SPEP Catalog Vol. 14

SIERRA PACIFIC ENGINEERING & PRODUCTS

HINGES | HARDWARE | ENGINEERING | DESIGN

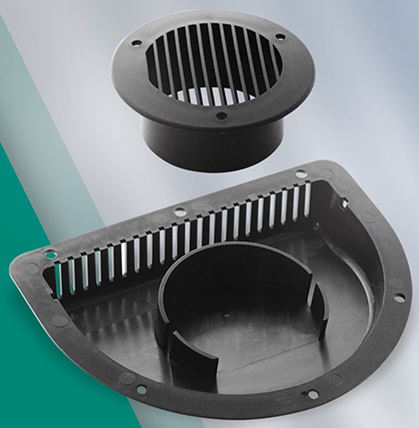
14

Employee Owners Care More, Do More

SIERRA PACIFIC

ENGINEERING AND PRODUCTS

Quality & Service Taken Personally®



250+
NEW PRODUCTS

FEATURING NEWLY EXPANDED
VISUAL DIRECTORY

INDUSTRIAL HARDWARE, ENGINEERING & DESIGN SERVICES

VOLUME
14

ESOP 100%
EMPLOYEE-OWNED
ISO 9001

Open Book

Minimum Order
$150.00 minimum order is required for first purchase. Minimum is $50.00 thereafter.

Prices
Prices quoted or acknowledged are based on Sierra Pacific Engineering and Product's (SPEP's) current cost of material and labor.

Delivery
Delivery is subject to delays caused by strike, fire, flood, accident, pandemic, or any other cause beyond the control of SPEP, including delays in delivery of material to SPEP by third parties. Any shipment date specified shall be the date of shipment from SPEP's plant. Shipment dates given by order desk are estimates, unless otherwise indicated.

Will Calls
Will call orders are accepted, but must be called in or emailed first. Email notification will be sent when shipment is ready. Pickups must be made on agreed upon date.

Tooling
Tooling and associated fixtures are held by SPEP for exclusive use of customer who paid for them. Tooling costs paid by Customers represent only a portion of our actual cost. Payment of tooling charges does not convey the right of Customer to remove tooling from our premises. SPEP shall maintain tooling at no charge to Customer, for as long as tooling remains active. Any tooling not used for period of two years shall be considered inactive. Any tooling changes requested by Customer after creation of tooling has begun, shall be at the additional expense of the Customer.

Toolmade Samples
For some items, SPEP will agree to (at time of order) provide a reasonable number of off tool samples, typically 1 to 3, which will be submitted to Customer for approval. In cases where such samples are made, production will not begin until Customer sends SPEP written approval of said samples.

Over/Under Runs
Unless otherwise specified, Customer agrees to accept over-run or under-run not exceeding 10% of quantities ordered.

Tolerances
In the absence of specific requirements, which have been specified and agreed upon by SPEP, commercial tolerances and standard practices in manufacturing and the stamping industry shall be applicable.

Changes
Changes requested by Customer after production has commenced will convert the order to a time and cost of materials basis unless SPEP and Customer have agreed in writing to a revision of price to reflect the cost resulting from such changes. No changes may be made without SPEP's prior written authorization.

Extra Charges
Extra charges will be incurred for work performed by SPEP if the same is not included in SPEP's quotation and is not shown on Customer's blueprints or specifications upon which SPEP's quotation was submitted.

Errors
SPEP reserves the right to modify items in the catalog at any time. Clerical errors are subject to correction at any time.

Designs
SPEP will not be responsible for product performance where the product is manufactured in accordance with Customer's design, prints or specifications.

Payments
SPEP standard payment term is Net 30, subject to credit approval, or up to Net 10 if paying by credit card. Any deviation from that must be mutually agreed upon in advance. SPEP reserves the right to suspend production at any time and to withhold deliveries of any or all goods ordered if any payment to be made by Customer has not been made promptly as agreed.

Blanket Orders
All blanket orders must be accepted within 12 months following receipt of the first shipment, unless otherwise agreed upon in advance.

Transportation
In the absence of specific shipping instructions, SPEP will use its own discretion in choice of method of transportation and carrier. SPEP assumes no responsibility for insuring shipments unless specified by Customer, in which event such insurance shall be based on Customer's valuation and at Customer's expense. All claims for damage and loss, whether apparent or concealed, shall be filed by Customer with the carrier. SPEP assumes no responsibility for any such damage or loss. SPEP assumes no responsibility for transportation delays. Shortages and/or damage must be noted at time of delivery.

Cancellation
Any order placed with and accepted by SPEP may be canceled only with the written consent of SPEP, upon payment of all expenses already incurred on the order by SPEP prior to the effective date of cancellation.

Patents
It is not the intention of SPEP to knowingly manufacture any product which infringes on any patent. Parts are made by SPEP strictly in accordance with specifications furnished by Customer or commercial standards of the stamping industry. Customer will indemnify SPEP and hold it harmless from any and all damages and expenses, including reasonable attorney's fees, involved in any claim for infringement of patents by reason of the use or sale of parts made by SPEP, whether used separately or as part of a larger unit or complete entity.

Attorney Fee Clause
If either party files any action or brings any proceeding against the other arising under these conditions of sale, then the prevailing party shall be entitled to recover as an element of costs of suit, reasonable attorney's fees to be fixed by the court.

Limited Warranty
SPEP warrants that its products purchased under these conditions of sale shall be in accordance with SPEP's specifications and free from defects in material and workmanship for a period of 120 days from the date of delivery to Customer. Products which are thought to be defective will be accepted only upon the prior approval of SPEP and the issuance of an R.M.A. number. SPEP reserves the right to inspect products prior to issuing an R.M.A. If products are found to be defective, products will be returned at SPEP's cost for replacement or refund. This warranty does not apply to products which have been subject to alteration, improper use, accident, negligence, abuse, misuse, improper installation, wear, or deterioration due to environmental conditions or failure to adhere to SPEP instructions. SPEP does not assume, nor shall it be responsible for, the cost of removal and/or re-installation of the products, the cost of returning any products for repair or replacement except as set forth above, or any other incidental costs which may arise as a result of any defect. **THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ANY EXPRESS OR IMPLIED WARRANTY OF ANY KIND AND IS IN LIEU OF ANY IMPLIED WARRANTY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. SPEP SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE DIRECTLY OR INDIRECTLY ARISING FROM THE PRODUCTS FOR ANY REASON INCLUDING DAMAGES RESULTING FROM DEFECTIVE DESIGN, MATERIALS OR WORKMANSHIP OR FROM FAULTY INSTRUCTIONS OR OTHER SUCH DAMAGES OR CLAIMS OR REALIZED FROM BREACH OF CONTRACT, IN TORT OR THROUGH PRODUCT LIABILITY OR OTHERWISE.**

Return Policy
If returns are necessitated due to errors of SPEP, the customer must obtain an R.M.A. from SPEP and upon issuance of an R.M.A., the products may be returned at SPEP's cost for a refund or credit. In cases of customer error, only current catalog items in perfect condition will be considered for credit within 30 days from the original purchase date. In such cases, Customer must obtain prior approval of SPEP, an R.M.A., prepay freight, and pay a twenty percent (20%) restocking charge subject to a minimum of twenty-five dollars ($25.00). Special order items are not returnable unless found to be defective. Please refer to the SPEP limited warranty above for terms and conditions relating to returns necessitated by defective products.

Additional Terms
No terms or stipulations, other than those herein provided, shall apply unless agreed to in writing by SPEP and Customer. Interest at 10% per annum will be charged on all past due accounts.

SPEP Intellectual Property
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ESOP 100% EMPLOYEE-OWNED ISO 9001

Quality and Service Taken Personally®

Texas Facility
Lancaster, TX

Corporate Headquarters
4041 Via Oro Avenue Long Beach, CA 90810

Illinois Facility
Bolingbrook, IL

Quality Policy

It is the policy of Sierra Pacific Engineering and Products to meet and exceed our customers' requirements in a consistent fashion by providing the highest quality products in the industry while making a reasonable profit. This policy is fully supported by a highly trained and skilled work force empowered to contribute actively to our continual improvement program and by a quality system in full compliance with the ISO 9001 quality standard. Furthermore, we pledge our commitment to maintaining safe and environmentally friendly working conditions as a responsible member of our community within which our business prospers and our employees reside.

Value

Hi-tech manufacturing processes facilitate extremely competitive pricing. We are rarely undersold.

Service

Sierra Pacific Engineering and Products is a 100% employee owned "ESOP" company. As owners, everyone is dedicated to the concept that our customers are our most valuable resource. We strive to serve our customers as we would want to be served.

Innovation

Our engineering team is constantly developing new products which lead our industry. Cost reduction and product improvement are perpetual goals. In addition to the items found in this catalog, we also supply "custom hardware" to many of our customers. Our CAD, FEA and FDM prototype machine are some of the tools we use to overcome many of the obstacles encountered when developing a new product from concept to production. We are interested in working with you on specially designed items and/or modifications of our catalog items.

General Guidelines

- **Performance and Application**

  Sierra Pacific Engineering and Products is a high quality and competitive supplier of hinges and industrial hardware. The products we supply have gone through rigorous quality checking and testing and should only be used as they were intended. Being that environment and application conditions may differ for each of our customers, it is up to the customer to determine if the product is correct for their application by using our recommendations as guidelines and conducting their own testing to insure that the product is correct for their intended use and application.

  The products we supply have been tested under normal general conditions, unless otherwise specified, and results should not be taken as safe to use for all varying extreme conditions. If there are certain custom specifications you need, give us a call and we will do all we can to accommodate your needs.

- **Continual Improvement**

  The products shown in this catalog are subject to change at any time without notice due to ongoing improvements in order to achieve the best possible quality. Furthermore, design, materials, finishes, specifications, and dimensions are part of these changes.

  Please confirm all necessary characteristics are correct prior to your purchase.

- **Catalog Dimensional Drawings**

  All dimensions in this catalog are for reference only and are shown to help the customer make a better informed decision. When you find what you are looking for, please contact us to verify your selection and make sure you are completely satisfied with your purchase.

Units of Measurement

Please note: measurement units are inches with metric conversion displayed inside **[BRACKETS]**

Credit Application and Agreement

See Our Other Info Flyers Here

Saver	money saver	NEMA 4	meets NEMA 4 enclosure requirement	IP40	meets IP40 enclosure requirement	PAT.	patented design
316SS	316SS material	NEMA 4x	meets NEMA 4X enclosure requirement	IP64	meets IP64 enclosure requirement	PATENT PENDING	patent pending
UL	UL rated			IP65 RATED	meets IP65 enclosure requirement		
UV	UV stabilizers	NEMA 12	meets NEMA 12 enclosure requirement	IP66	meets IP66 enclosure requirement	ADA	meets ADA requirements

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Latches

62-237

Latches

To Place Order: 800.433.5554 order@spep.com

NEMA

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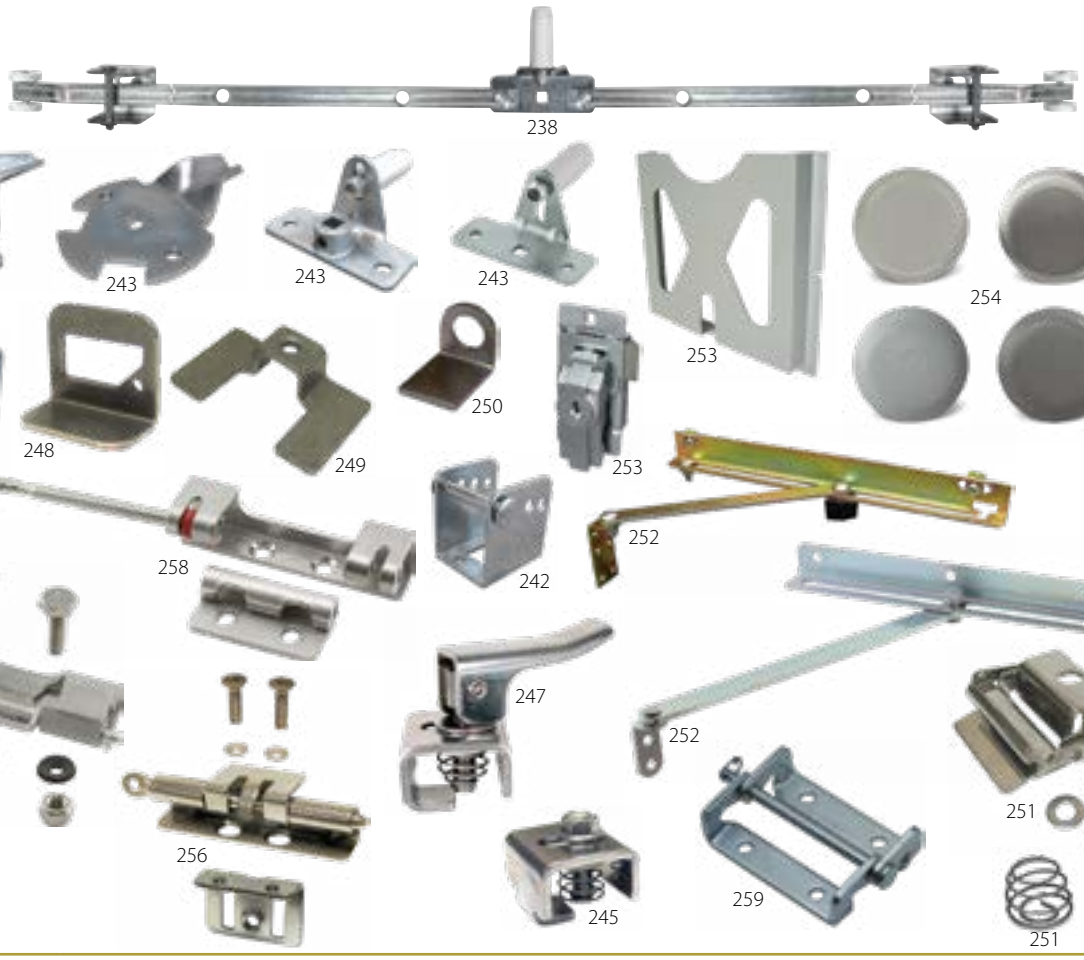
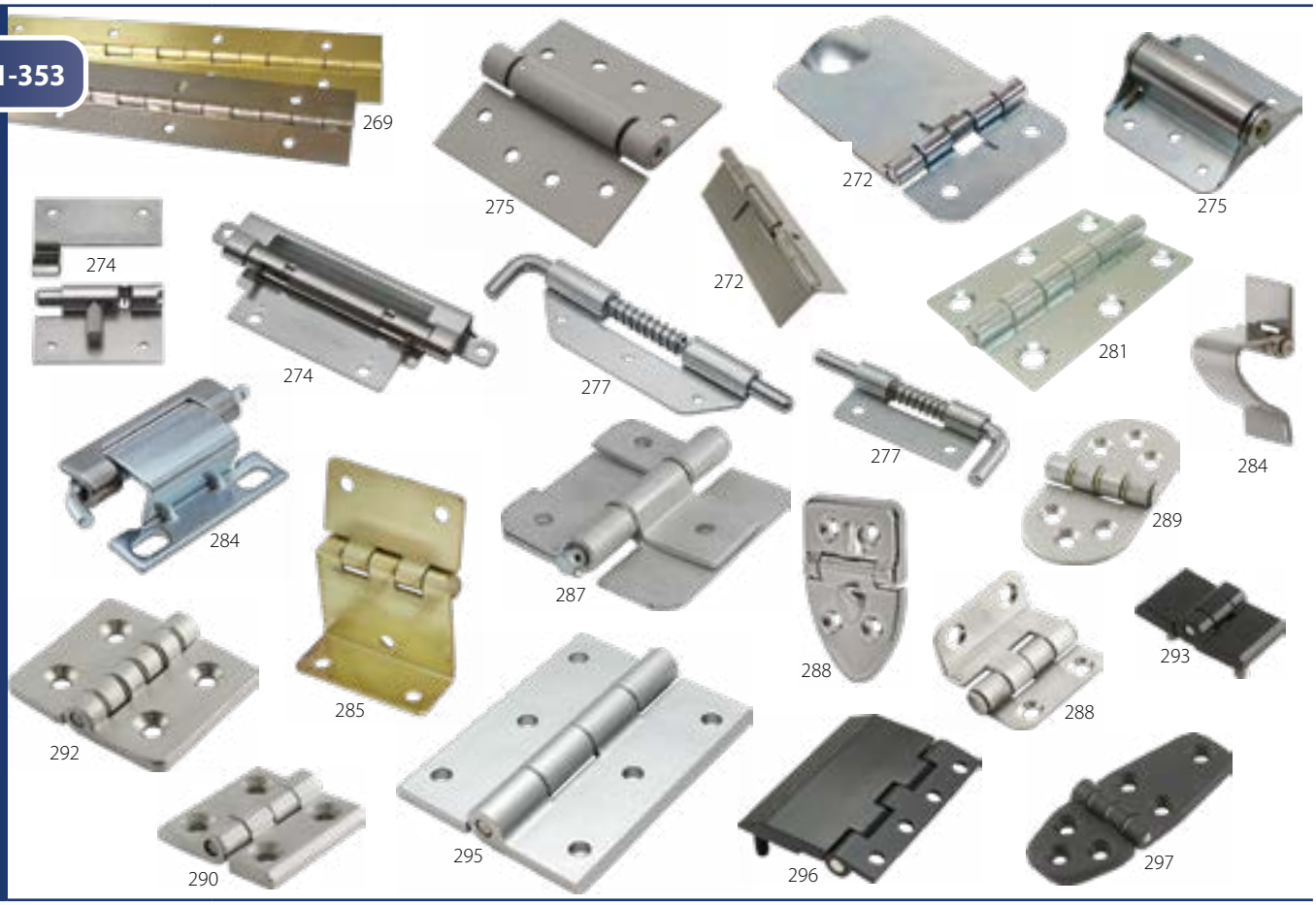


Hinges

261-353



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Hinges

To Place Order: 800.433.5554 order@spep.com

Hasps & Staples

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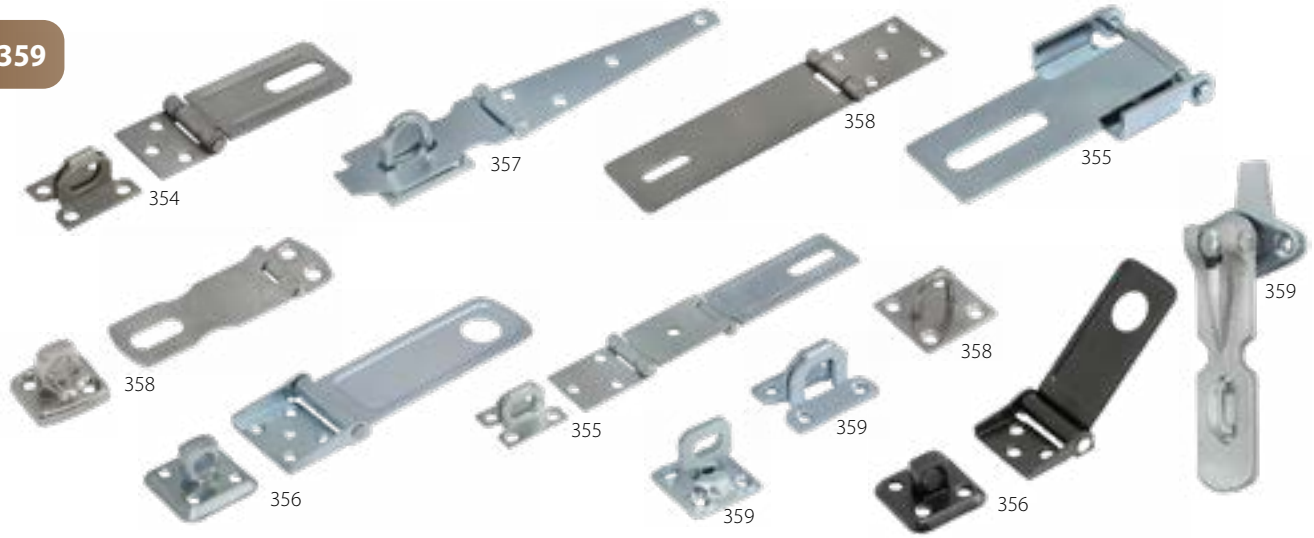

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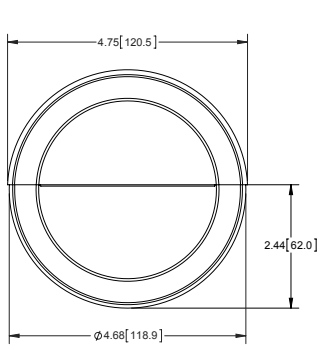
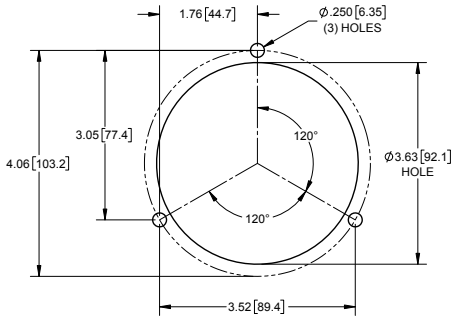
Flush Round Pocket Pull

Part Number	Material	Finish
J3006	304SS	brushed

- handle edge is hemmed for a more comfortable grip

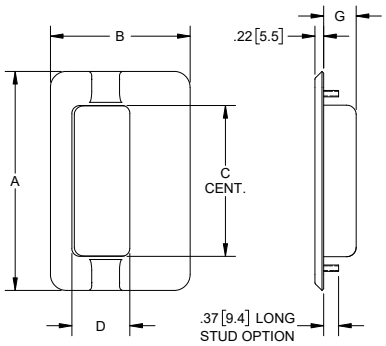


FRONT VIEW | RIGHT SIDE VIEW | REAR VIEW



MOUNTING DIMENSIONS

Flush Pocket Pulls



FRONT VIEW | RIGHT SIDE VIEW | REAR VIEW | MOUNTING DIMENSIONS

stud mounting

nut mounting

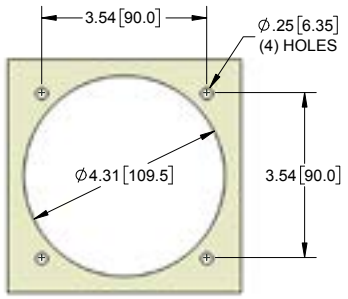
Part No.	Mounting	A	B	C	D	E	F	G	H	J
J3008-1	studs	5.43 [138.0]	3.46 [88.0]	3.74 [95.0]	1.44 [36.5]	4.331 [110.00]	2.559 [65.00]	.81 [20.5]	3.90 [99.0]	2.52 [64.0]
J3008-2	studs	4.37 [111.0]	2.54 [64.5]	2.76 [70.0]	1.10 [28.0]	3.465 [88.00]	1.496 [38.00]	.57 [14.5]	2.87 [73.0]	1.65 [42.0]
J3008-3	studs	3.70 [94.0]	2.36 [60.0]	2.36 [60.0]	1.10 [28.0]	2.992 [76.00]	1.260 [32.00]	.47 [12.0]	2.48 [63.0]	1.69 [43.0]
J3009-1	nuts	5.43 [138.0]	3.46 [88.0]	3.74 [95.0]	1.44 [36.5]	4.331 [110.00]	2.559 [65.00]	.81 [20.5]	3.90 [99.0]	2.52 [64.0]
J3009-2	nuts	4.37 [111.0]	2.54 [64.5]	2.76 [70.0]	1.10 [28.0]	3.465 [88.00]	1.496 [38.00]	.57 [14.5]	2.87 [73.0]	1.65 [42.0]
J3009-3	nuts	3.70 [94.0]	2.36 [60.0]	2.36 [60.0]	1.10 [28.0]	2.992 [76.00]	1.260 [32.00]	.47 [12.0]	2.48 [63.0]	1.69 [43.0]

- material: 304SS
- finish: brushed

Steel Pocket Pull

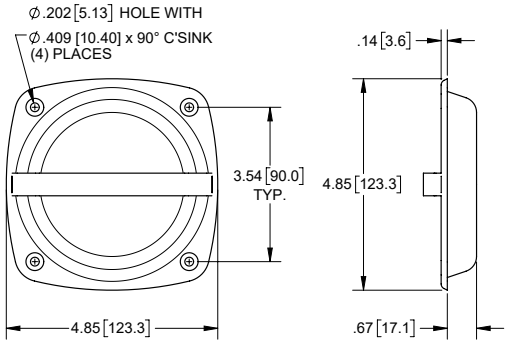
Part Number	Material	Finish
J3005BK	steel	black e-coated

- black PVC gasket available as part no. **J3005G** to protect mounting surface

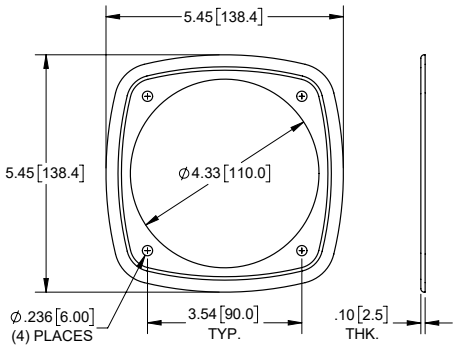


MOUNTING DIMENSIONS

pocket pull and gasket assembled



J3005BK
PULL

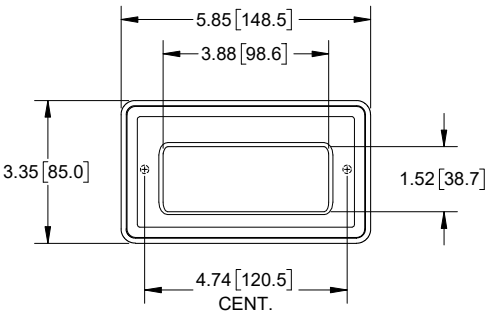


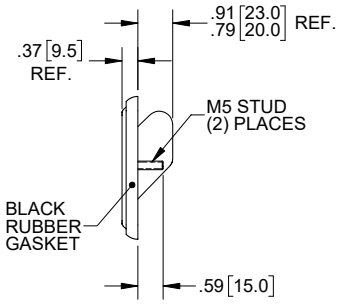
J3005G
GASKET

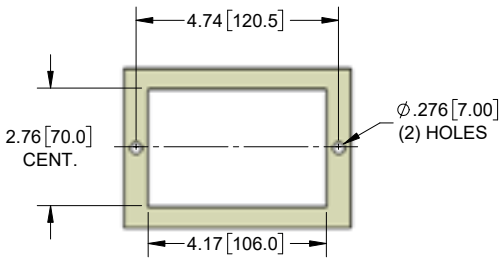
Flush Plastic Pocket Pull

Part Number	Mounting	Material	Finish
J3001P	304SS studs	glass reinforced plastic	black textured

- includes black rubber gasket





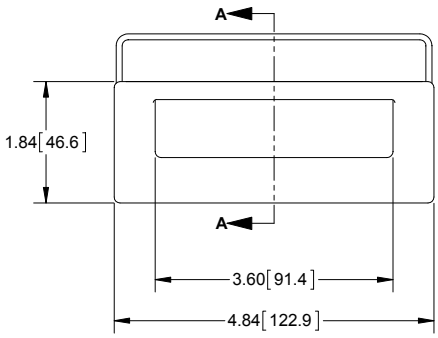


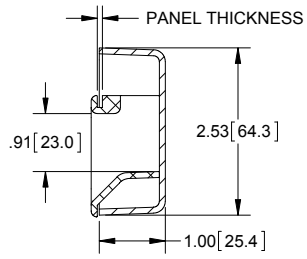
MOUNTING DIMENSIONS

Flush Pocket Pulls

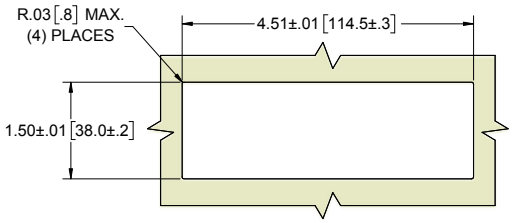
Part Number	Material	Finish	Min. Panel Thickness	Max. Panel Thickness
92-01	ABS	black textured	.04 [1.0]	.07 [1.8]
92-02			.07 [1.8]	.13 [3.3]
92-03			.13 [3.3]	.19 [4.8]
92-04			.19 [4.8]	.25 [6.3]

- for lifting or pulling
- includes (2) self-tapping screws



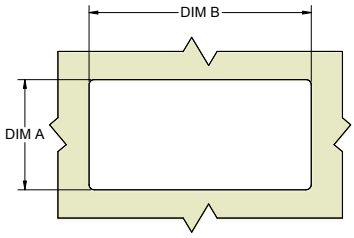


SECTION A-A



MOUNTING DIMENSIONS

Large Plastic Pocket Pull

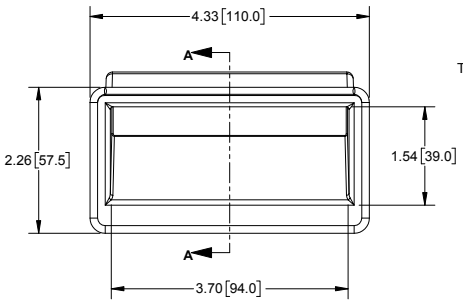


MOUNTING DIMENSIONS

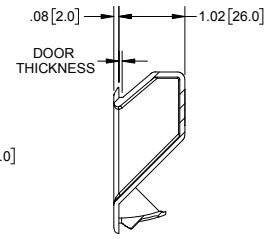
Part No.	Material	Finish
93-01	glass reinforced plastic	black textured

Door Thickness	Panel Cut-out	
	Dim A	Dim B
0.059 [1.50] - .079 [2.00]	1.960 + 0.007 [49.80 + 0.20]	3.937 - 0.019 [100.00 - 0.50]
0.079 [2.00] - 0.118 [3.00]	1.968 + 0.011 [50.00 + 0.30]	3.937 - 0.019 [100.00 - 0.50]

- for lifting or pulling
- snaps into place and fasteners are not required



FRONT VIEW



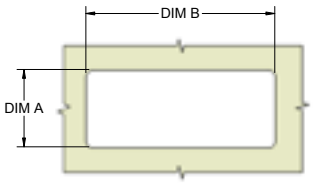
SECTION A-A

Small Plastic Pocket Pull

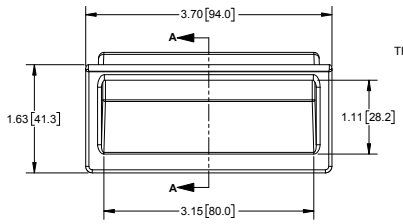
Part No.	Material	Finish
93-02	glass reinforced plastic	black textured

Door Thickness	Panel Cut-out	
	Dim A	Dim B
0.030 [0.75] - 0.039 [1.00]	1.377 + 0.007 [35.00 + 0.20]	3.346 + 0.011 [85.00 + 0.30]
0.039 [1.00] - 0.078 [2.00]	1.417 + 0.007 [36.00 + 0.20]	3.346 + 0.011 [85.00 + 0.30]

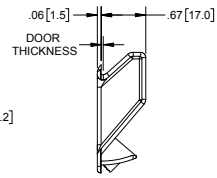
- for lifting or pulling
- snaps into place and fasteners are not required



MOUNTING DIMENSIONS



FRONT VIEW

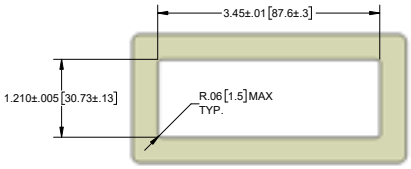


SECTION A-A

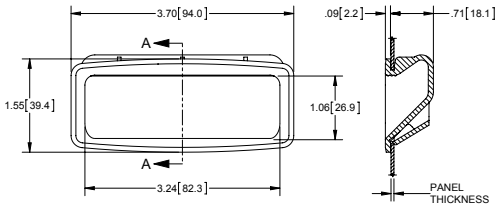
Flush Pocket Pulls

Part Number	Panel Thickness	Material	Finish
91-09BK02	.040 - .055 [1.02 - 1.40]	ABS	black, textured
91-10BK02	.055 - .070 [1.40 - 1.78]	ABS	
91-11BK	.070 - .085 [1.78 - 2.16]	ABS	
91-12BK	.085 - .100 [2.16 - 2.54]	ABS	

- for lifting or pulling
- snap-in installation
- UL 94-HB rated



PANEL CUT-OUT



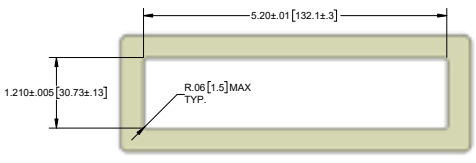
FRONT VIEW

SECTION A-A

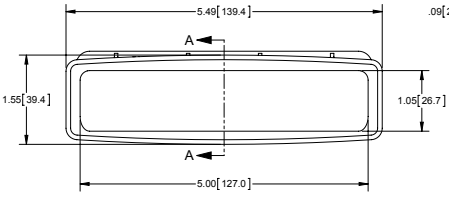
Flush Pocket Pulls

Part Number	Panel Thickness	Material	Finish
91-19BK02	.040 - .055 [1.02 - 1.40]	ABS	black, textured
91-20BK02	.055 - .070 [1.40 - 1.78]	ABS	
91-21BK	.070 - .085 [1.78 - 2.16]	ABS	
91-22BK	.085 - .100 [2.16 - 2.54]	ABS	

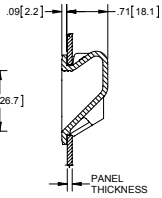
- for lifting or pulling
- snap-in installation
- UL 94-HB rated



PANEL CUT-OUT



FRONT VIEW

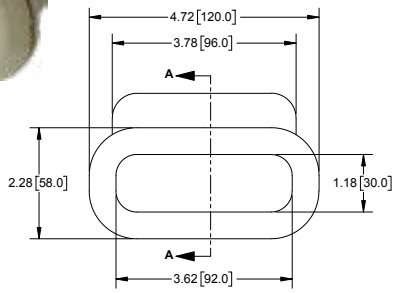


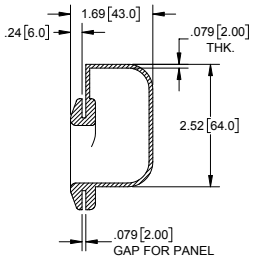
SECTION A-A

Flexible Flush Pulls

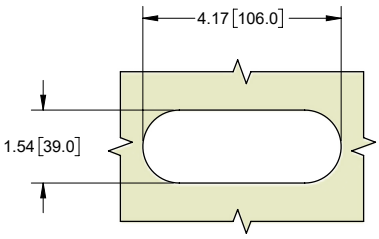
Part Number	Material	Finish
94-01	rubber	beige
94BK-01	rubber	black

- snaps into place and fasteners are not required





SECTION A-A

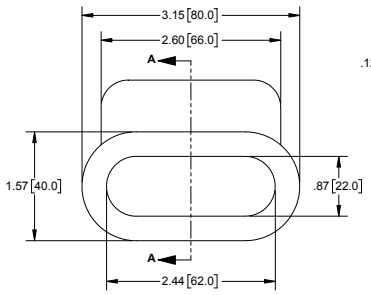


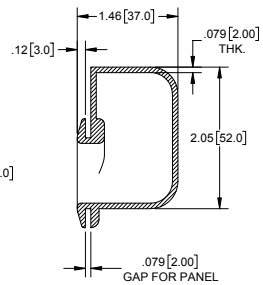
MOUNTING DIMENSIONS

Flexible Flush Pulls

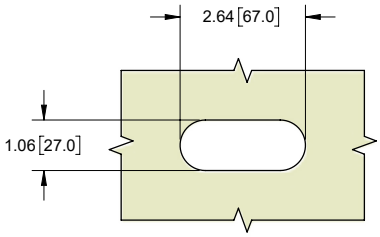
Part Number	Material	Finish
94-02	rubber	beige
94BK-02	rubber	black

- snaps into place and fasteners are not required





SECTION A-A

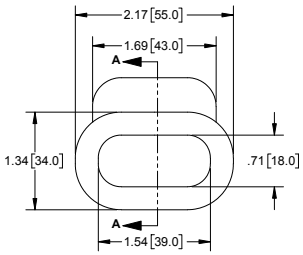


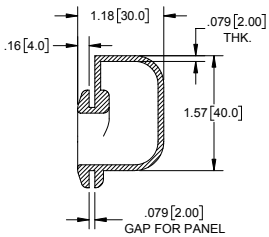
MOUNTING DIMENSIONS

Flexible Flush Pulls

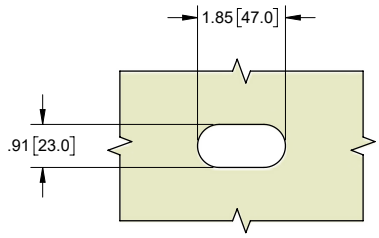
Part Number	Material	Finish
94-03	rubber	beige
94BK-03	rubber	black

- snaps into place and fasteners are not required





SECTION A-A



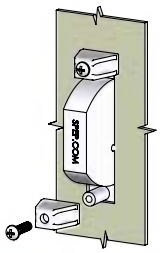
MOUNTING DIMENSIONS

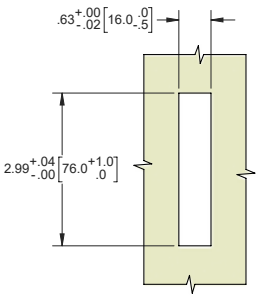
Concealed Pull Assembly

Part Number	Material	Finish
91-01	glass reinforced plastic	black

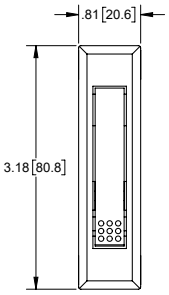
- flush mounting for up to .25 [6.35] door thickness

concealed view

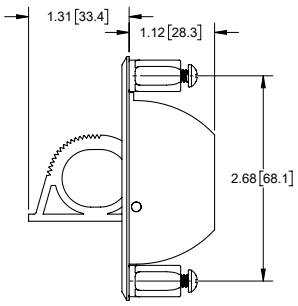

REAR INSTALLATION VIEW



MOUNTING DIMENSIONS



FRONT VIEW

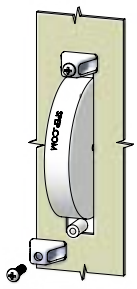


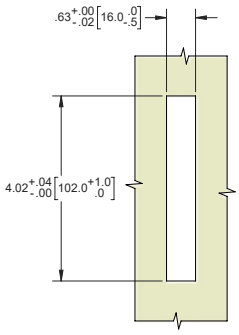
RIGHT SIDE VIEW

Concealed Pull Assembly

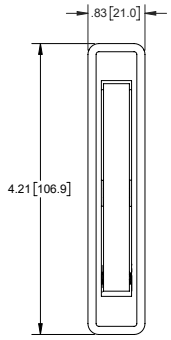
Part Number	Material		Finish
	Handle	Housing	
91-02	die cast zinc	plastic	black

concealed view

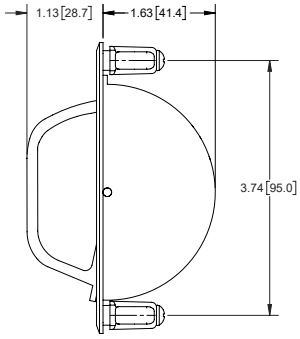

MOUNTING DIMENSIONS



MOUNTING DIMENSIONS



FRONT VIEW

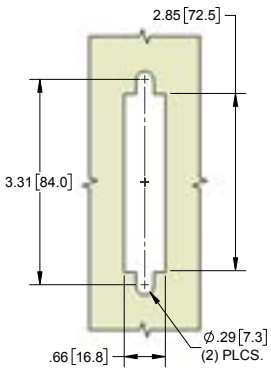


RIGHT SIDE VIEW

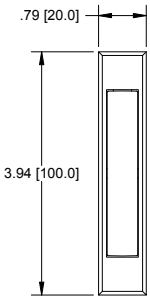
Concealed Pull Assembly

Part Number	Material	Finish
91-03	die cast zinc	grey powder coated
91-03BK	die cast zinc	black powder coated

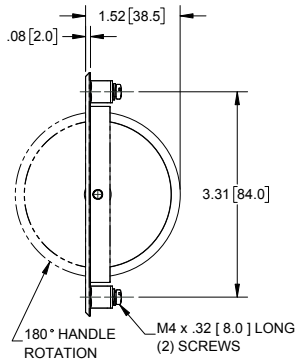
concealed view



MOUNTING DIMENSIONS

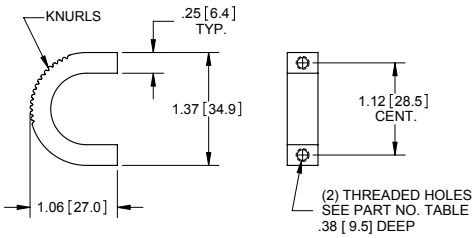


FRONT VIEW



RIGHT SIDE VIEW

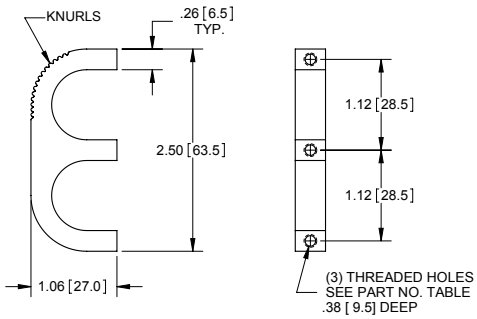
Small Aluminum Extruded Pulls



Part Number	Thread	Finish
9910	8-32	clear matte anodized
9910BK	8-32	black anodized
9911	M4 x .7	clear matte anodized
9911BK	M4 x .7	black anodized

- material: aluminum

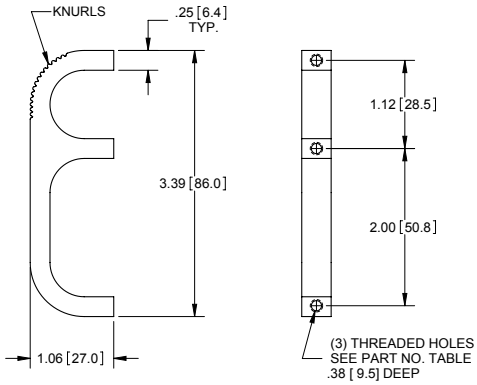
Medium Aluminum Extruded Pulls



Part Number	Thread	Finish
9912	8-32	clear matte anodized
9912BK	8-32	black anodized
9913	M4 x .7	clear matte anodized
9913BK	M4 x .7	black anodized

- material: aluminum

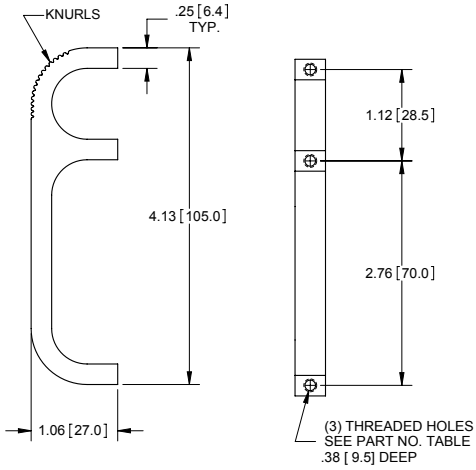
Large Aluminum Extruded Pulls



Part Number	Thread	Finish
9914	8-32	clear matte anodized
9914BK	8-32	black anodized
9915	M4 x .7	clear matte anodized
9915BK	M4 x .7	black anodized

- material: aluminum

Extra Large Aluminum Extruded Pulls

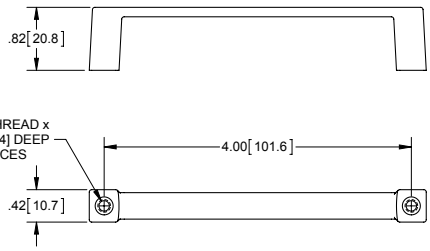


Part Number	Thread	Finish
9916	8-32	clear matte anodized
9916BK	8-32	black anodized
9917	M4 x .7	clear matte anodized
9917BK	M4 x .7	black anodized

- material: aluminum

Die Cast Zinc Pull

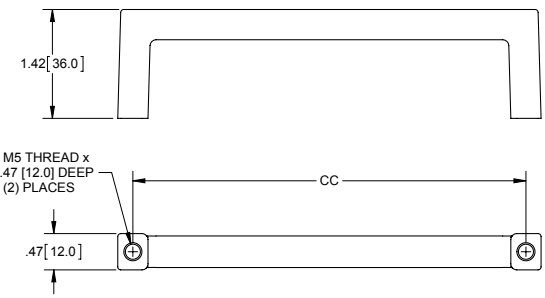
Part Number	Material	Finish
976	die cast zinc	polished chrome plated



Die Cast Zinc Pulls

Part Number	Finish	CC
997	satin chrome plated	3.15 [80.0]
997BK	black painted	3.15 [80.0]
997-01	satin chrome plated	5.12 [130.0]
997BK-01	black painted	5.12 [130.0]
997-02	satin chrome plated	7.09 [180.1]
997BK-02	black painted	7.09 [180.1]

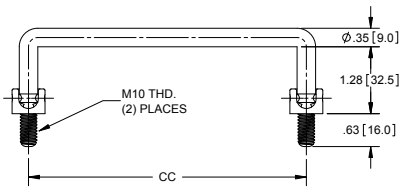
- material: die cast zinc

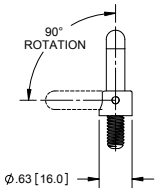


Steel Wire Handles

Part Number	CC
935-01	3.54 [90.0]
935-02	3.94 [100.0]
935-03	4.69 [119.0]
935-04	5.32 [135.0]
935-05	5.87 [149.0]
935-06	6.10 [155.0]
935-07	6.30 [160.0]

- material: steel
- finish: chrome plated
- includes:
  - (2) chrome plated washers
  - (2) chrome plated nuts

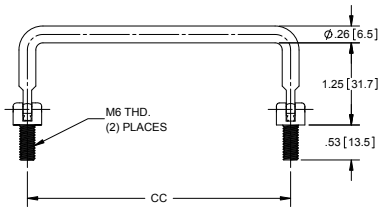


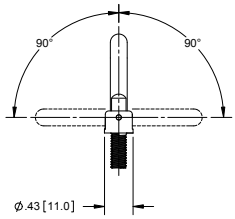


Steel Wire Handle

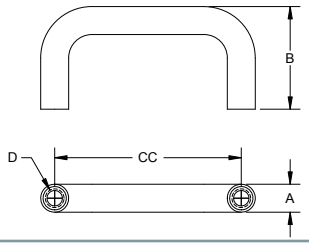
Part Number	CC
933	4.00 [101.6]

- material: steel
- finish: black powder coated
- includes:
  - (2) black powder coated nuts





Stainless Steel Wire Pulls



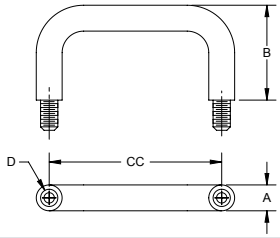
Part Number	CC	A	B	D
9035SS-01	.787 [20.00]	Ø.157 [4.00]	.86 [22.0]	M2.6 THD.
9035SS-02	1.574 [40.00]	Ø.236 [6.00]	.86 [22.0]	M4 THD.
9035SS-04	3.149 [80.00]	Ø.236 [6.00]	1.18[30.0]	M4 THD.

- material: 303SS
- finish: polished

Pull Bases

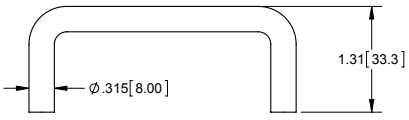
Part Number: 9035SS-01W
For Ø.157 [4.00] Pull

Part Number: 9035SS-02W
For Ø.236 [6.00] Pull



Part Number	CC	A	B	D
9036SS-01	.787 [20.00]	Ø.157 [4.00]	.86 [22.0]	M2.6 THD.
9036SS-02	1.574 [40.00]	Ø.236 [6.00]	.86 [22.0]	M4 THD.
9036SS-04	3.149 [80.00]	Ø.236 [6.00]	1.18 [30.0]	M4 THD.

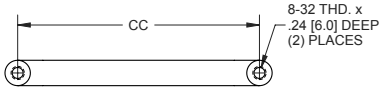
Brass Wire Pulls



Brass Wire Pulls

Part Number	CC	Material	Finish
951	3.00 [76.2]	solid brass	polished & lacquered
941 ‡	3.50 [88.9]	solid brass	
948	4.00 [101.6]	solid brass	

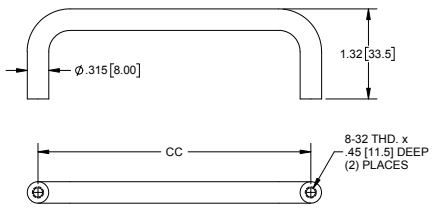
‡ non-stock



Chrome Plated Wire Pulls

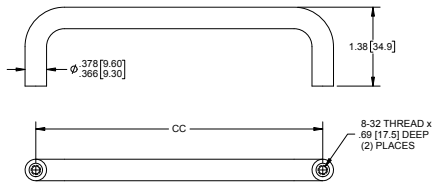
Part Number	CC	Material	Finish
952	3.00 [76.2]	solid brass	chrome plated
940	3.50 [88.9]	solid brass	
944	4.00 [101.6]	solid brass	

Satin Aluminum Wire Pulls



Part Number	CC	Material	Finish
953	3.00 [76.2]	aluminum	satin aluminum
942	3.50 [88.9]	aluminum	
946	4.00 [101.6]	aluminum	

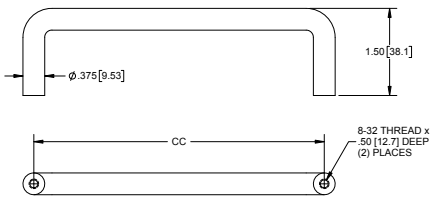
Satin White Aluminum Wire Pulls



Part Number	CC	Material	Finish
939	5.00 [127.0]	aluminum	satin white anodized
939-01 ‡	8.84 [224.5]	aluminum	

‡ non-stock

Tall Brass Wire Pull



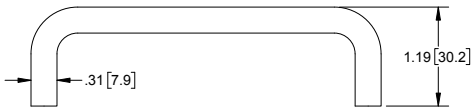
Part Number	CC	Material	Finish
954-01 ‡	5.00 [127.0]	solid brass	polished chrome plated

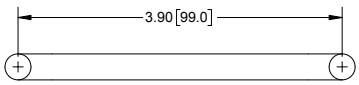
‡ non-stock

Stainless Steel Wire Pull

Part Number	CC	Material	Finish
945	3.90 [99.1]	304SS	mill

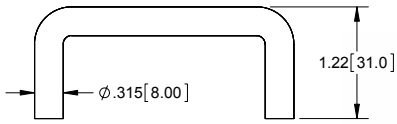
▸ this handle has **no** mounting holes

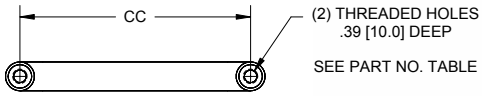




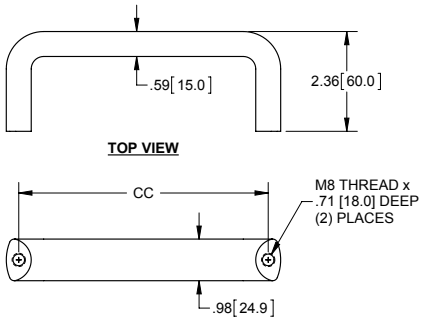
Wire Pulls

Part Number	CC	Material	Finish	Thread Size
903BK	1.18 [30.00]	aluminum	black anodized	8-32
904BK	2.52 [64.00]			
905BK	3.78 [96.00]			
906BK	5.04 [128.00]			
903BK-01	1.18 [30.00]	aluminum	black anodized	M4 X 0.7
904BK-01	2.52 [64.00]			
905BK-01	3.78 [96.00]			
906BK-01	5.04 [128.00]			
903	1.18 [30.00]	aluminum	clear anodized	8-32
904	2.52 [64.00]			
905	3.78 [96.00]			
906	5.04 [128.00]			
903-01	1.18 [30.00]	aluminum	clear anodized	M4 X 0.7
904-01	2.52 [64.00]			
905-01	3.78 [96.00]			
906-01	5.04 [128.00]			
903CH	1.18 [30.00]	steel	chrome plated	8-32
904CH	2.52 [64.00]			
905CH	3.78 [96.00]			
906CH	5.04 [128.00]			
903CH-01	1.18 [30.00]	steel	chrome plated	M4 X 0.7
904CH-01	2.52 [64.00]			
905CH-01	3.78 [96.00]			
906CH-01	5.04 [128.00]			
903ZN	1.18 [30.00]	steel	zinc plated	8-32
904ZN	2.52 [64.00]			
905ZN	3.78 [96.00]			
906ZN	5.04 [128.00]			
903ZN-01	1.18 [30.00]	steel	zinc plated	M4 X 0.7
904ZN-01	2.52 [64.00]			
905ZN-01	3.78 [96.00]			
906ZN-01	5.04 [128.00]			
903SS	1.18 [30.00]	304SS	passivated	8-32
904SS	2.52 [64.00]			
905SS	3.78 [96.00]			
906SS	5.04 [128.00]			
903SS-01	1.18 [30.00]	304SS	passivated	M4 X 0.7
904SS-01	2.52 [64.00]			
905SS-01	3.78 [96.00]			
906SS-01	5.04 [128.00]			





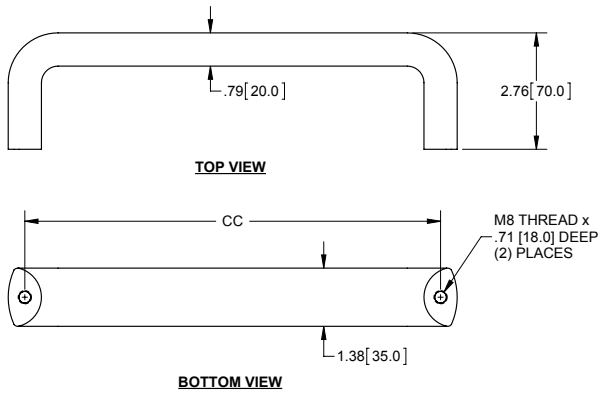
Small Aluminum Extruded Pulls



Part Number	CC
966BK	5.04 [128.0]
966BK-01	5.91 [150.0]
966BK-02	7.56 [192.0]

- material: aluminum
- finish: black powder coated

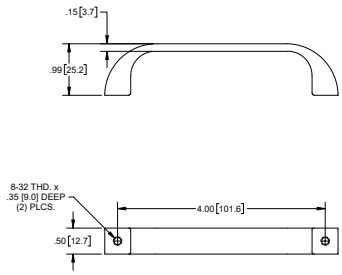
Large Aluminum Extruded Pulls



Part Number	CC
967BK	9.84 [250.0]
967BK-01	11.81 [300.0]
967BK-02	15.75 [400.0]
967BK-03	19.69 [500.0]
967BK-04	23.62 [600.0]

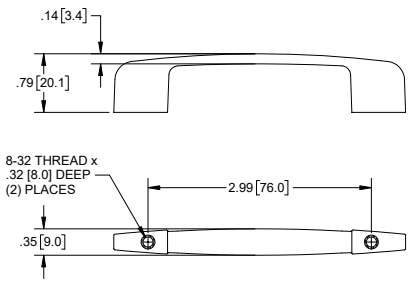
- material: aluminum
- finish: black powder coated

Aluminum Pulls



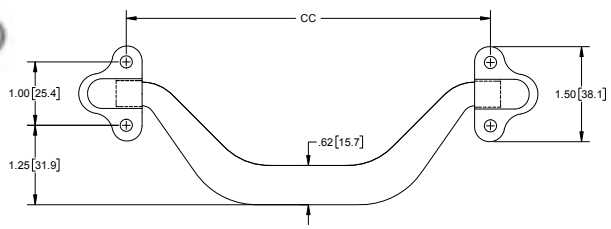
Part Number	Material	Finish
960	solid aluminum	brushed, lacquered
960BK	solid aluminum	matte black powder coated

Die Cast Zinc Pull



Part Number	Material	Finish
975	die cast zinc	polished chrome plated

Hollow Pull Handles

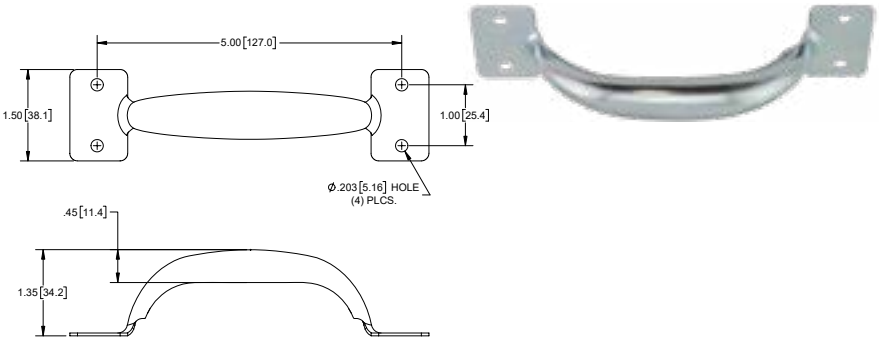


Part No.	Holes	Finish	CC
930	none	mill	6.00 [152.4]
932	Ø.192 [4.88] (4) holes	mill	6.00 [152.4]
934	none	nickel	6.00 [152.4]
936	Ø.192 [4.88] (4) holes	zinc plated	5.75 [146.05]

- .025 [.64] thick steel

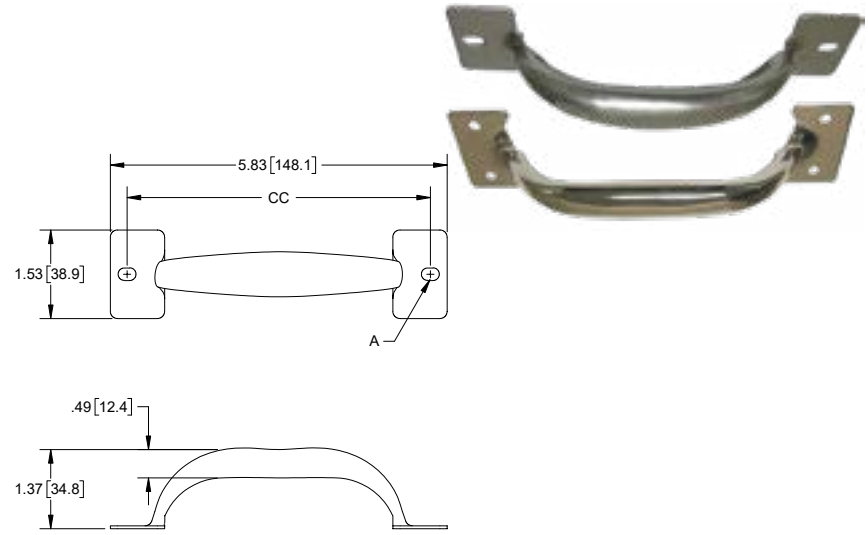
Formed Pull

Part Number	Material	Finish
920-04	steel	zinc plated



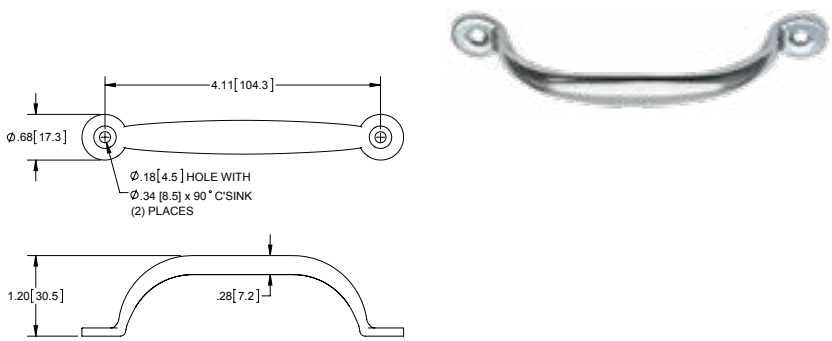
Formed Pulls

Part Number	A	Material	Finish	CC
920	none	steel	mill	5.25 [133.4]
920-01	Ø.260 [6.60] (2) holes	steel	mill	5.125 [130.2]
920-02	.312 [7.92] x .218 [5.54] (2) obrounds	steel	mill	5.25 [133.4]
921	none	304SS	electropolished	5.25 [133.4]
921-01	.312 [7.92] x .218 [5.54] (2) obrounds	304SS	electropolished	5.25 [133.4]
922	Ø.161 [4.09] (4) holes	steel	mill	5.25 [133.4]
924	Ø.161 [4.09] (4) holes	steel	nickel plated	5.25 [133.4]



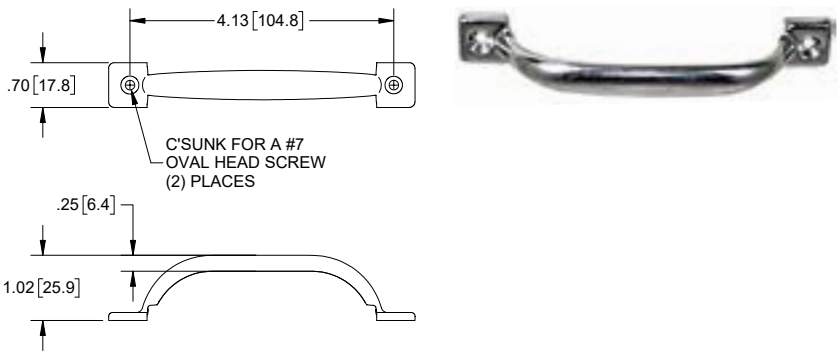
Formed Pull

Part Number	Material	Finish
911ZN	steel	zinc plated

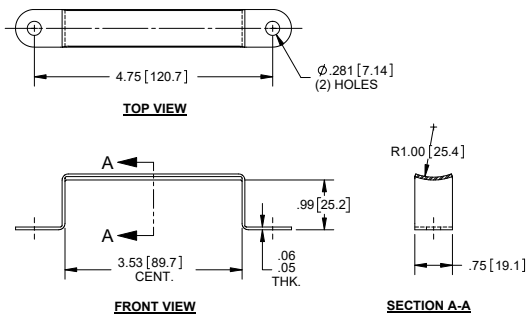


Formed Pulls

Part Number	Material	Finish
914	steel	zinc plated
915	steel	brass plated, lacquered

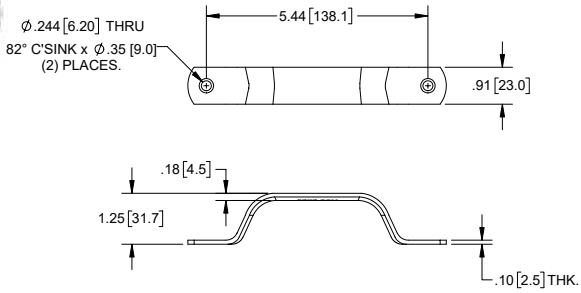


Formed Pulls



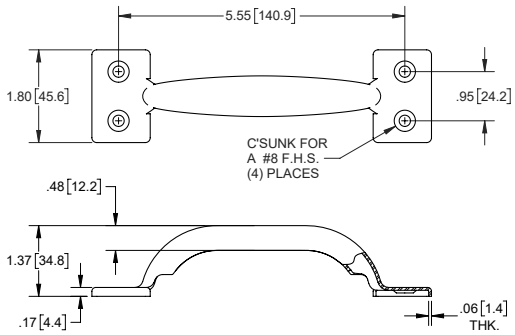
Part Number	Material	Finish
J3126	galvanized steel	mill
J3126SS	304SS	mill

Steel Formed Pull



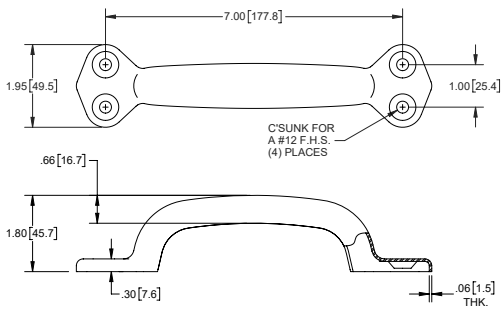
Part Number	Material	Finish
J3129	steel	zinc plated

Formed Pulls



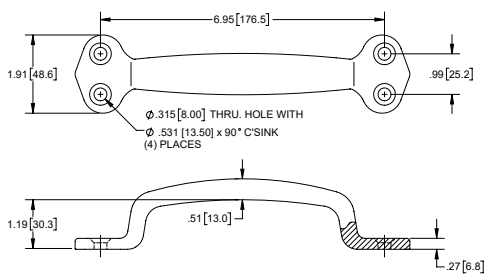
Part Number	Material	Finish	Hole Size
917	steel	zinc plated	Ø .2190 [5.563]
917SS	304SS	electropolished	Ø .2190 [5.563]
928BK	steel	black powder coated	Ø .252 [6.40]

Formed Pulls



Part Number	Material	Finish
983	steel	chrome plated
983SS	304SS	electropolished
983SS-01	304SS	electropolished then hand polished

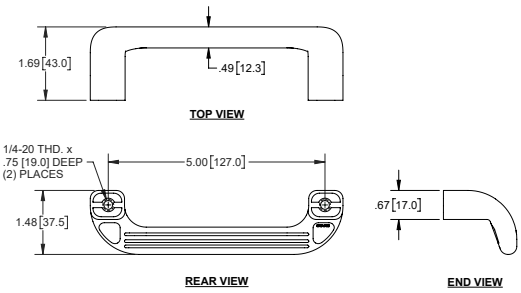
Die Cast Zinc Pull



Part Number	Material	Finish
983DC	die cast zinc	chrome plated

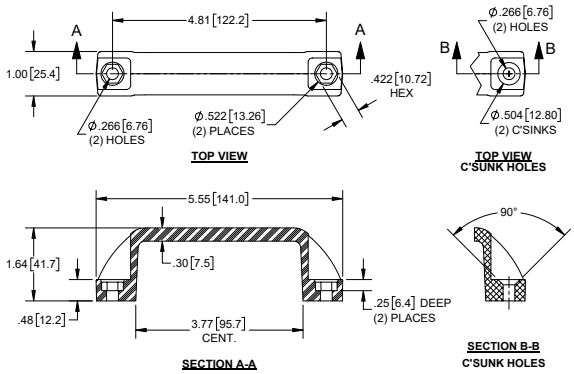
Die Cast Offset Pull

Part Number	Material	Finish
988CH	die cast zinc	chrome plated



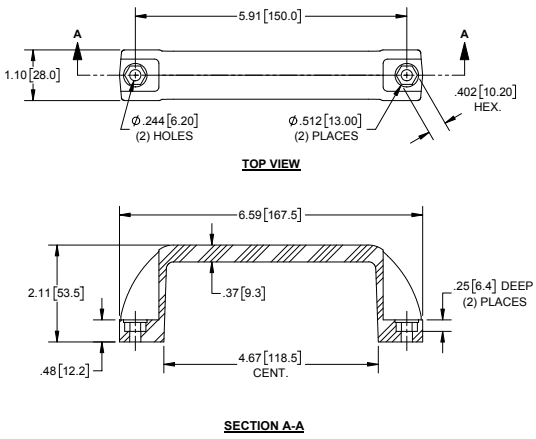
Plastic Pull

Part No.	Holes	Material	Finish
989BK	hex	reinforced nylon	black textured
989BK-02	c'sunk	reinforced nylon	black textured



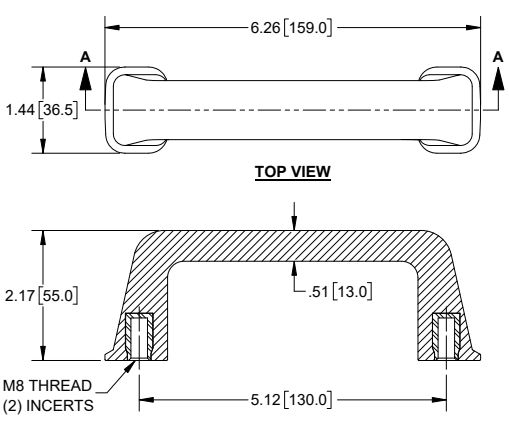
Plastic Pull

Part Number	Material	Finish
989BK10	reinforced nylon	black textured

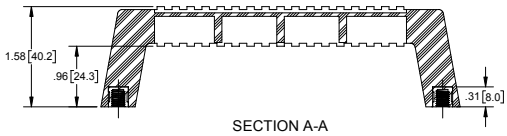


Plastic Pull

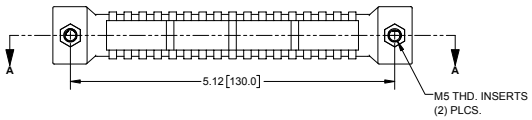
Part Number	Material	Finish
964P	plastic	black



Plastic Pull



SECTION A-A

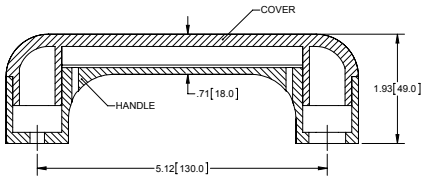


Part Number	Material	Finish
964P-01	plastic	black

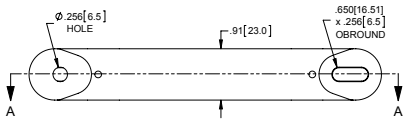
Plastic Pull with Cover

assembled

unassembled



SECTION A-A

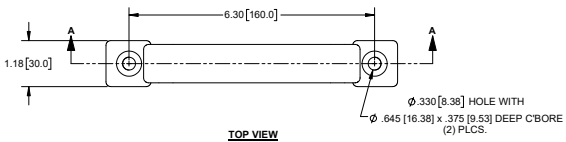


BOTTOM VIEW

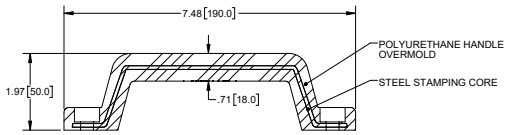
Part Number	Material	Finish
990BK	plastic	black

- handle cover hides screws for a clean look

Grab Handle with Steel Core UV



TOP VIEW

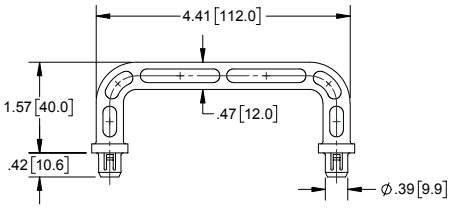


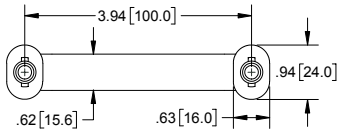
SECTION A-A

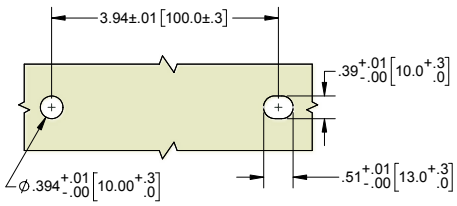
Part No.	Material	Finish
969	TPE	smooth

- includes screw caps
- core material: steel
- caps material: TPE
- UV resistant

Snap-in Plastic Pull







MOUNTING DIMENSIONS

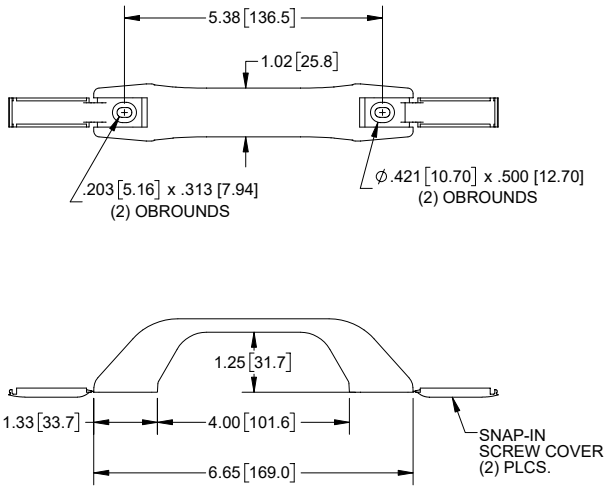
Part Number	Material	Finish
963P	plastic	black

- panel thickness: 1.2 - 1.6

Plastic Pull with Built-in Screw Covers

Part No.	Material	Finish
989BK50	reinforced plastic	black

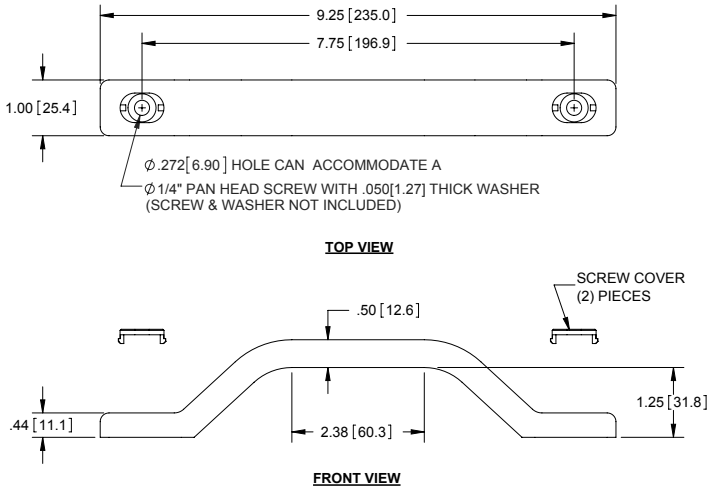
- meets FMVSS 302 / UL94HB flamability requirements



UV Plastic Grab Handles

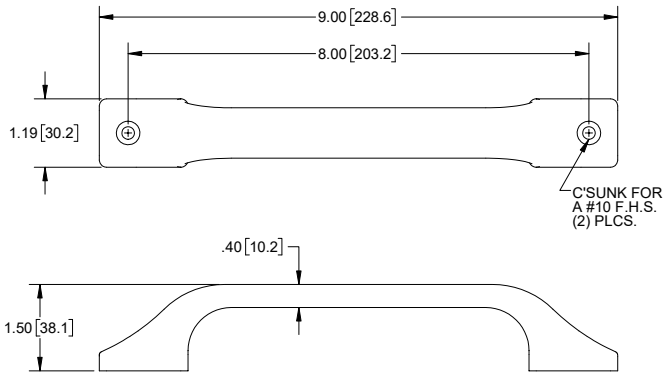
Part Number	Finish
982BK	smooth, black
982G	smooth, gray
982W	smooth, white

- includes 2 screw covers
- additional colors available; 1,000 piece minimum order

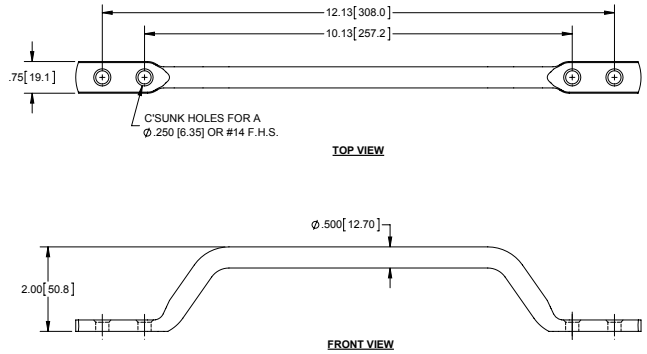


UV Impact Resistant Plastic Grab Handles

Part Number	Finish
985	smooth, white
985BK	smooth, black

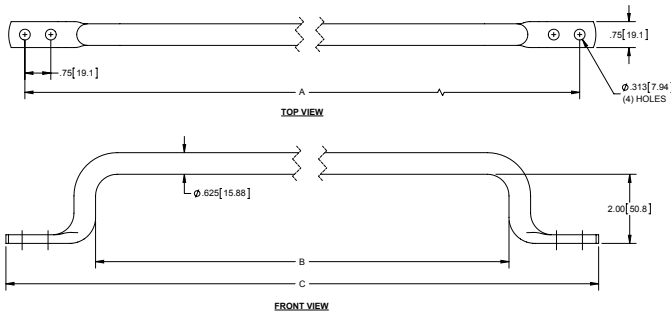


Assist Handles



Part Number	Material	Finish
987A	aluminum	mill
987CH	steel	chrome plated
987SS	304SS	lightly polished

Heavy Duty Assist Handles

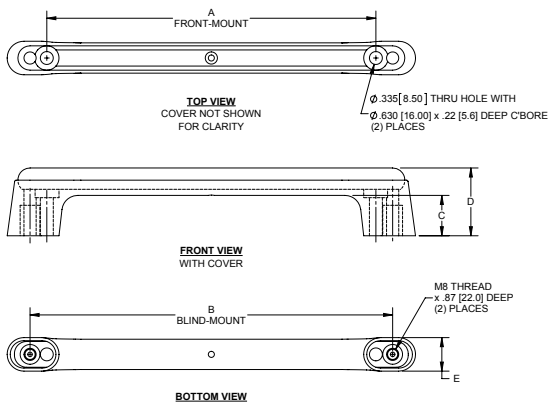


Part Number	Length A	Length B	Length C	Material	Finish
995A	16.25 [412.8]	12.00 [304.8]	17.18 [436.4]	aluminum	mill
996A	22.75 [577.9]	18.00 [457.2]	23.68 [601.5]	aluminum	mill
996CH	22.75 [577.9]	18.00 [457.2]	23.68 [601.5]	steel	chrome plated
997A	28.75 [730.3]	24.00 [609.6]	29.75 [755.7]	aluminum	mill
997CH	28.75 [730.3]	24.00 [609.6]	29.75 [755.7]	steel	chrome plated
998A	40.75 [1035.1	36.50 [927.1]	41.68 [1058.7]	aluminum	mill

Die Cast Zinc Handles with Plastic Covers

assembled

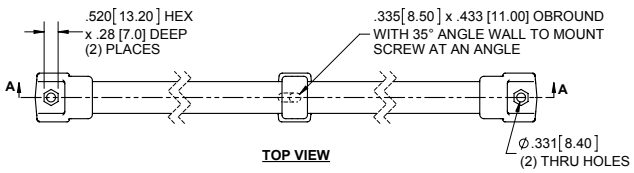
unassembled

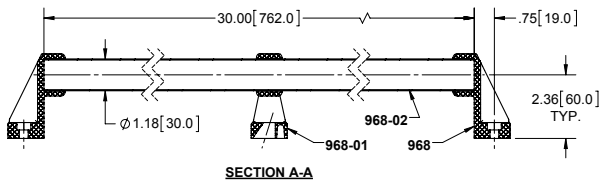


Part Number	A	B	C	D	E
991CH	10.47 [265.9]	11.34 [288.0]	1.04 [26.4]	1.75 [44.5]	.87 [22.1]
991CH-01	8.50 [215.9]	9.37 [238.0]	1.04 [26.4]	1.75 [44.5]	.87 [22.1]
991CH-02	6.54 [166.1]	7.40 [187.0]	1.04 [26.4]	1.75 [44.5]	.87 [22.1]
992CH	12.84 [326.1]	13.78 [350.0]	1.57 [39.9]	2.28 [57.9]	.87 [22.1]

- cover material: ABS
- cover finish: black
- base material: die cast zinc
- base finish: chrome plated (dull)

Variable Length Pulls





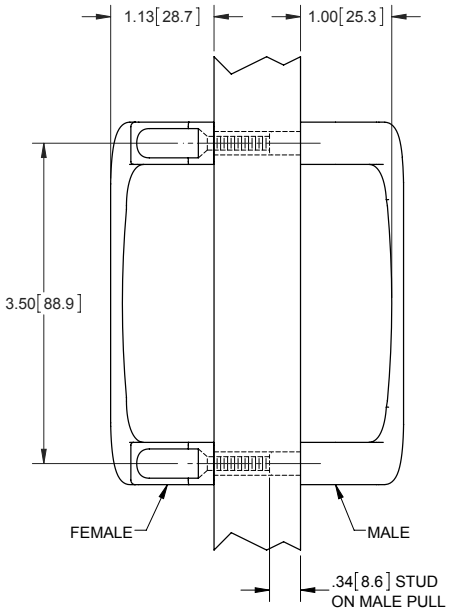
Part Number	Description	Material	Finish
968	end base	plastic, glass reinforced	black
968-01	center base	plastic, glass reinforced	black
968-02	tube 30.0 [762.0]	steel	black powder coat

- each component is sold separately
- tube can be cut to desired length

PAT. Shower Door Handles

Female Part Number	Male Part Number	Finish
2001900	2001902	mill
2001930	2001932	dull chrome
2001950	2001952	brass
2001960	2001962	chrome
2001990	2001992	brushed nickel

- 6-32 flat head screws not included
- material: die cast zinc

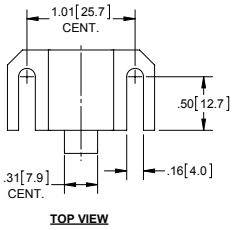


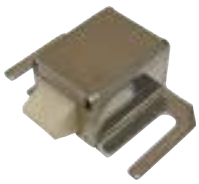
Catches

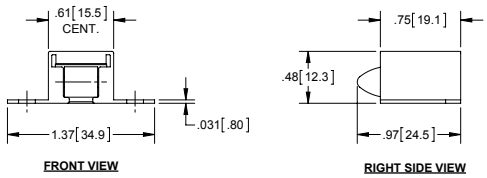
Nylon Striker Catch

Part Number	Body	Striker	Finish
200170	304SS	nylon	tumbled

- 6-32 flat head screws not included



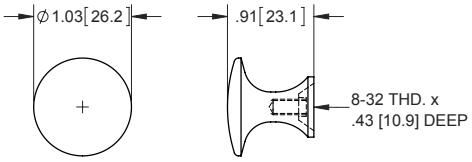




Die Cast Zinc Knobs

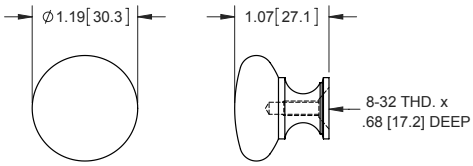
Flat Face

Part Number	Finish
39310BC---76	brushed chrome



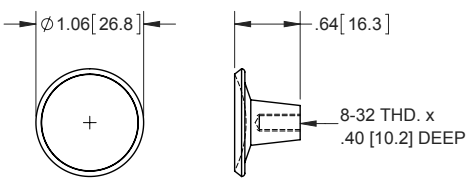
Round Face

Part Number	Finish
Y70102CH	chrome
Y70102GP	gold



Concave Face

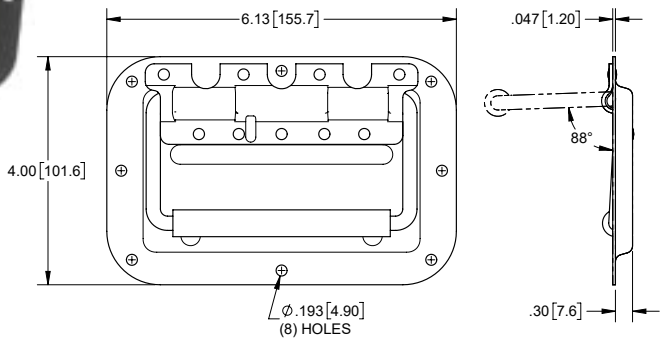
Part Number	Finish
950	chrome plated

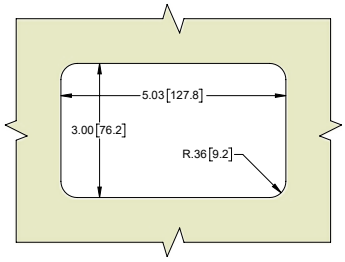


Medium Recessed Handles

Part Number	Material	Finish
26	steel	zinc plated
26-10BK	steel	black powder coated

- spring loaded bail
- black rubber grip



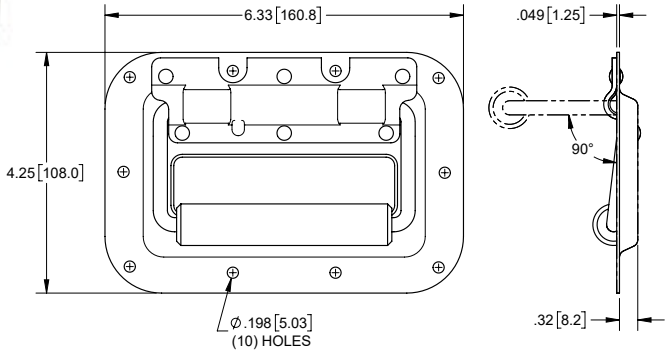


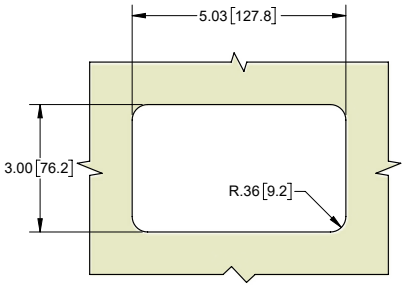
MOUNTING DIMENSIONS

Medium Recessed Handle

Part Number	Material	Finish
27	steel	zinc plated

- spring loaded bail
- black rubber grip



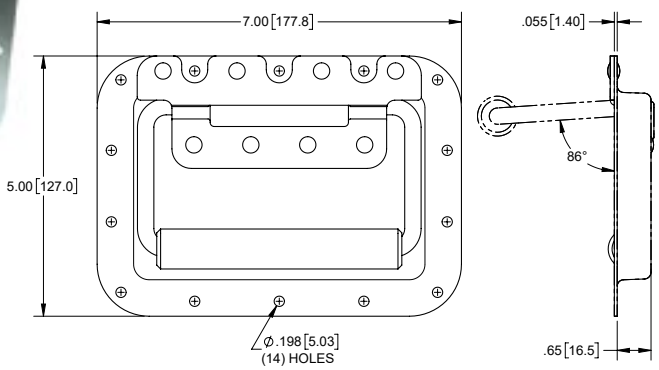


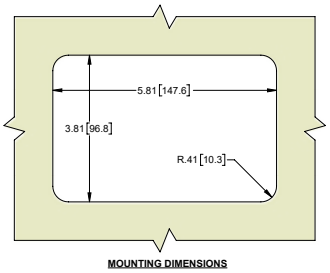
MOUNTING DIMENSIONS

Large Recessed Handles

Part Number	Material	Finish
28	steel	zinc plated
28-10BK	steel	black powder coated

- spring loaded bail
- black rubber grip



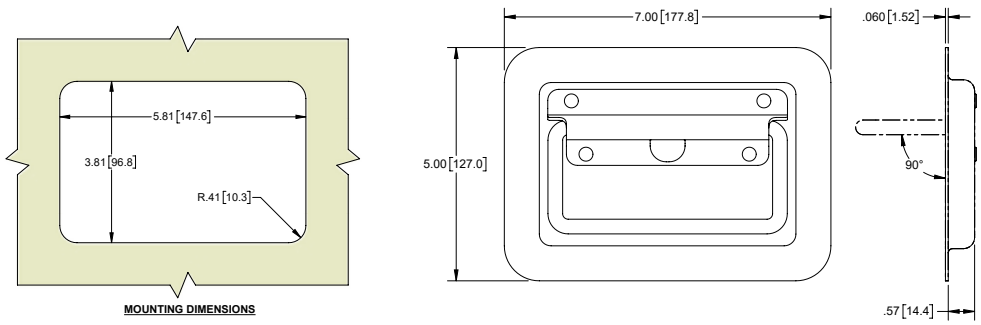


MOUNTING DIMENSIONS

Large Recessed Handle

Part Number	Material	Finish
28-50A	aluminum	mill

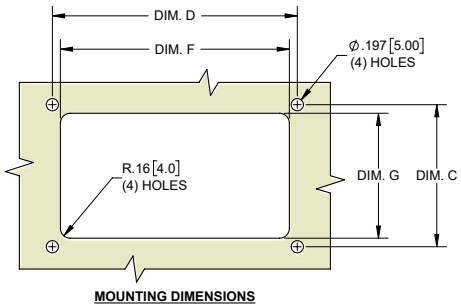
- spring loaded bail

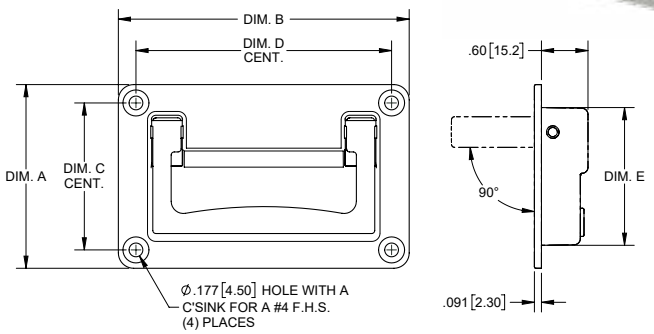


Recessed Handles

Part Number	Dim A	Dim B	Dim C	Dim D	Dim E	Mounting	
						Dim F	Dim G
32CH	2.74 [69.5]	4.37 [111.0]	2.283 [58.00]	3.937 [100.00]	2.05 [52.0]	3.68 [93.5]	2.05 [52.0]
32CH01	2.36 [60.0]	3.74 [95.0]	1.889 [48.00]	3.287 [83.50]	1.79 [45.5]	3.11 [79.0]	1.79 [45.5]

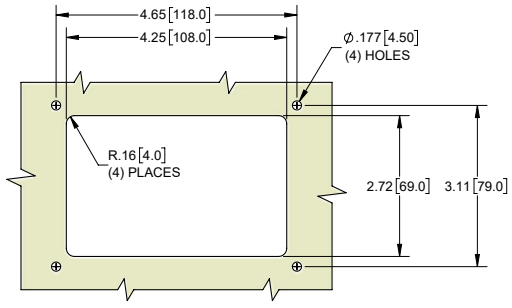
- material: die cast zinc
- finish: textured chrome plated
- handle snaps into flush or raised position with internal detent

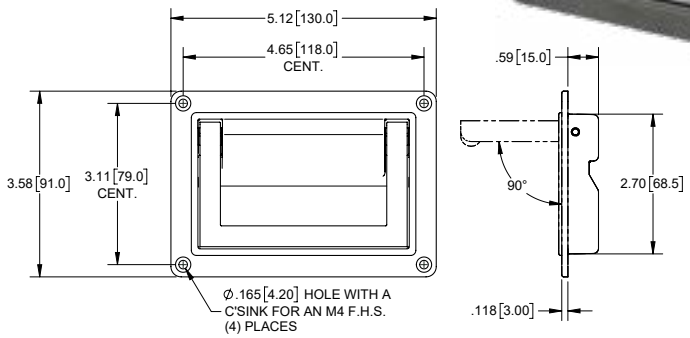




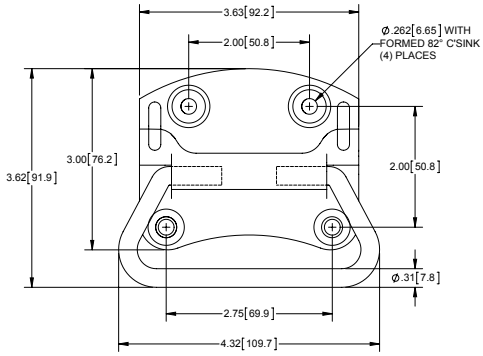
Recessed Handle

Part Number	Material	Finish	
		Pan	Handle
31BK	die cast zinc	black powder coated	grey painted





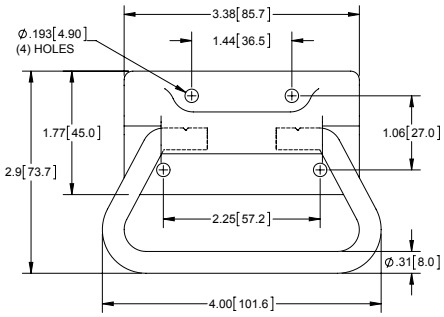
Chest Handles



Part Number	Material	Finish
20	.050 [1.27] steel plate	zinc plated
20BK	.050 [1.27] steel plate	black painted

Chest Handles

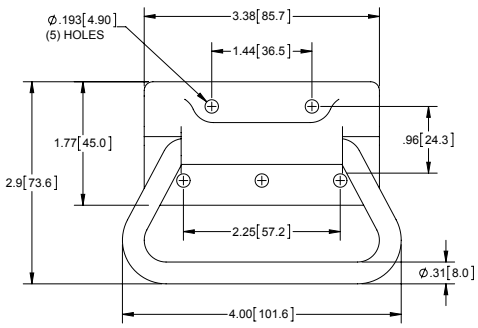
red PVC coating on part no. **2102** only



Part Number	Material	Finish
21*	.055 [1.40] steel plate	zinc plated
2102	.055 [1.40] steel plate	nickel plated

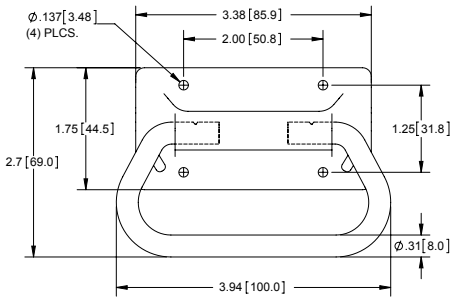
▸ *part no. **21** does not have red PVC grip

Chest Handle



Part Number	Material	Finish
2103CH	.055 [1.40] steel plate	chrome plated

Chest Handles

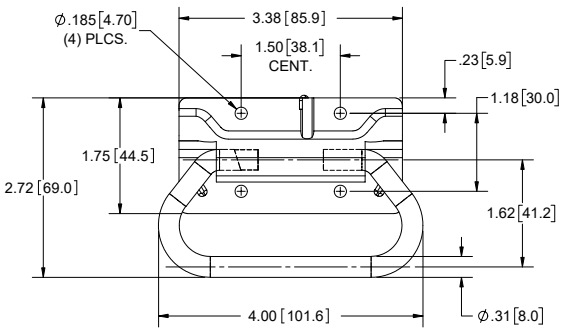


Part Number	Material	Finish	Holes
24SSH	.074 [1.88] 304SS plate	electropolished	4
23	.059 [1.50] steel plate	mill	none

Spring Loaded Chest Handle

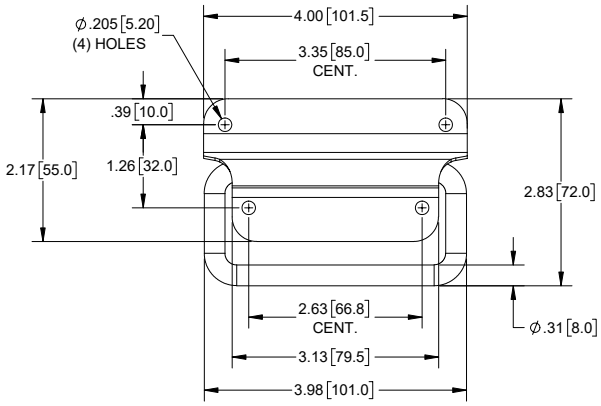
Part Number	Material	Finish
24NP01	.071 [1.8] steel plate	nickel plated

- spring loaded bail



Chest Handle

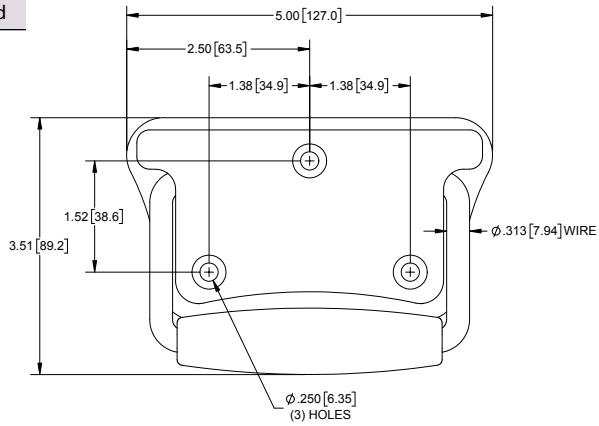
Part Number	Material	Finish
23-50	.047 [1.2] 304SS plate	polished



Spring Loaded Chest Handle

Part Number	Material	Finish
22	.060 [1.52] steel plate	zinc plated
22BB-02		tumbled then bright brass plated & lacquered

- handle is maintained flush by integrated spring



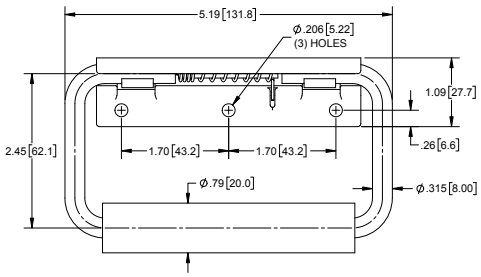
Spring Loaded Chest Handles

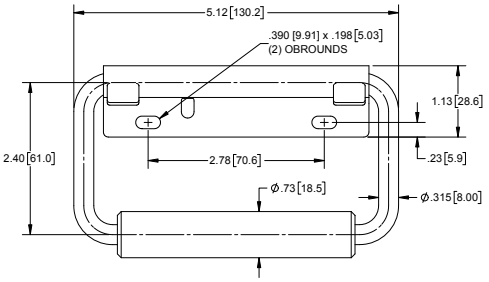
p/n **29SS01**

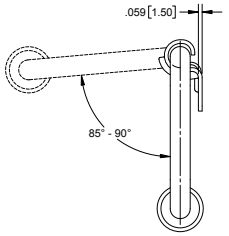
p/n **29**

Part Number	Material	Finish	Mounting
29	steel	yellow zinc plated	(2) slots
29-01	steel	yellow zinc plated	(3) holes
29-02	steel	zinc plated	(2) slots
29BK	steel	black e-paint	(2) slots
29SS01	304SS	tumbled	(3) holes

- spring loaded bail
- black rubber grip



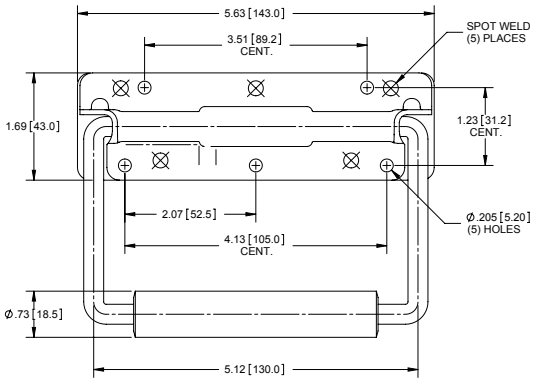


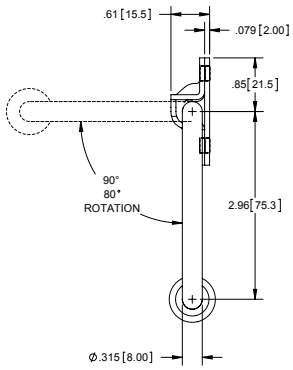


Spring Loaded Chest Handle

Part Number	Material	Finish
25ZN	steel	zinc plated

- spring loaded bail
- black rubber grip

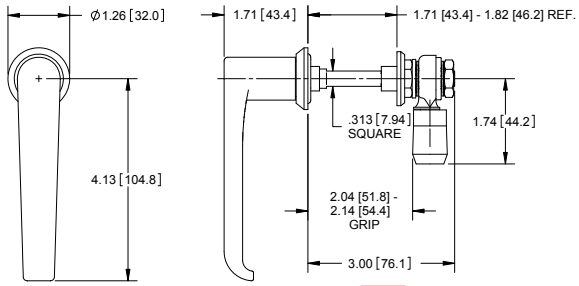




UV Plastic HVAC L-Handle Latch with Roller Cam

Part Number	Rotation 360°	Shaft Style	Shaft Length	Shaft Size	Locking	Finish
1157-01	bidirectional	M10x1.5 thread	3.00 [76.2]	.313 [7.94]	no	black, textured

- includes roller cam (may be purchased separately, see part no. **697** on pg. 60)
- made from glass reinforced plastic with UV inhibitors
- door panel grip range between 2.04 [51.8] to 2.14 [54.4]
- handle includes o-rings

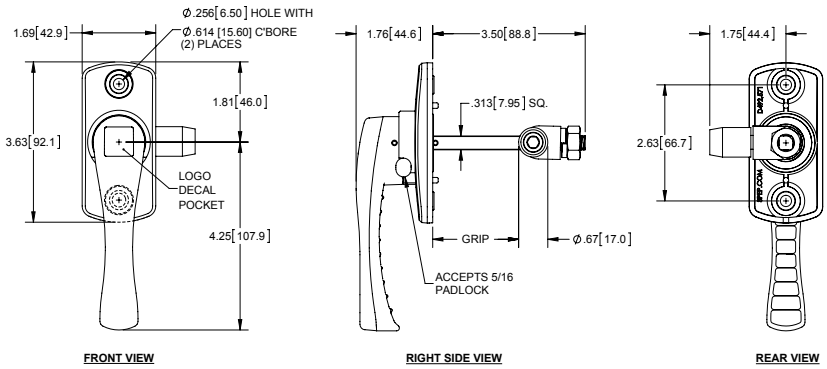


PAT. Plastic HVAC Padlocking L-Handles

Part Number	Mount	Rotation	Shaft Style	Shaft Length	Shaft Size	Locking	Finish
3940	front	90° CC	M10x1.5 thread	3.50 [88.9]	.313 [7.94]	no	black, textured
3941	front	90° CW	M10x1.5 thread	3.50 [88.9]	.313 [7.94]	no	black, textured

- 1.97 [50.0] grip range is preset; may be changed with minimum order quantity
- includes roller cam (may be purchased separately, see part no. **699** on pg. 61)
- made from glass reinforced plastic
- handle includes o-rings

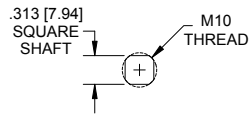
patented



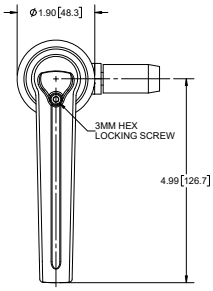
UV Plastic HVAC Bidirectional L-Handles

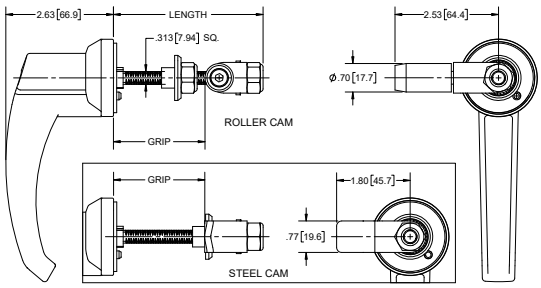
Part Number	Cam Type	Length	Shaft Style	Shaft Size	Grip	Finish
1153	plastic roller cam	3.66 [93.0]	M10x1.5 thread	.313 [7.94]	.35 [8.9] - 2.25 [57.2]	black
1153-01	steel offset cam	3.66 [93.0]		.313 [7.94]	.35 [8.9] - 2.25 [57.2]	black
1153-02	plastic roller cam	5.66 [143.8]		.313 [7.94]	.35 [8.9] - 4.25 [108.0]	black

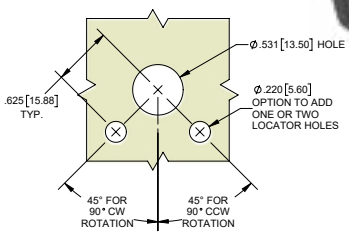
- made from glass reinforced plastic with UV inhibitors
- can be installed as either a right hand or left hand handle
- includes cam (roller cam may be purchased separately, see part no. **698** on pg. 60)



THREADED SQUARE SHAFT







MOUNTING DIMENSIONS

MODULAR, COMPOSITE L-HANDLES W/ CONFIGURABLE ASSEMBLIES

Build the right door latching system for your HVAC/Enclosure application.

See Our Other Info Flyers Here

1154 series NEW PRODUCT FAMILY

HANDLES

NON-LOCKING OUT-SWING **1154**

NON-LOCKING IN-SWING **1154-0XX**

PADLOCK OUT-SWING **1154LK**

KEY-LOCKING OUT-SWING **1154-333**

TOOL ACTIVATED OUT-SWING **1154-T01**

PADLOCK IN-SWING **1154LK-0XX**

KEY-LOCKING IN-SWING **1154-3330XX**

TOOL ACTIVATED IN-SWING **1154LK-T0X0XX**

IN-SWING ROLLER CAMS

SHORT STRAIGHT **C25S**

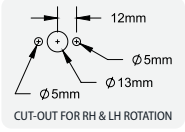
LONG STRAIGHT **C25L**

OFFSET STRAIGHT **C25-10, C25L-15**

ESCUTCHEONS & SHAFTS

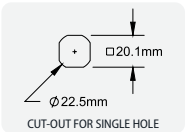
LENGTHS AVAILABLE FOR
25 / 50 / 75 / 100MM
DOOR THICKNESSES

LOCATING STUD INSTALLATION
1154E-XX



CUT-OUT FOR RH & LH ROTATION

SINGLE HOLE INSTALLATION
1154E-QXX



CUT-OUT FOR SINGLE HOLE

ESCUTCHEON CAP
1154C

CAMS

1. CAMS MATERIAL: ZINC PLATED STEEL
2. ADAPTERS MATERIAL: DIE CAST ZINC
3. ADAPTERS MAY BE REMOVED IN ORDER TO USE THE FLAT END RODS WITH HOLES

LONG ROLLER CAM **696**

SHORT ROLLER CAM **696-01**

CAM ROLLER **697-01**

CAM ROLLER **698**

CAM ROLLER **697**

ONE-POINT **50CX**

TWO-POINT **50C00**

THREE-POINT WITH NO ADAPTERS **12C4X**

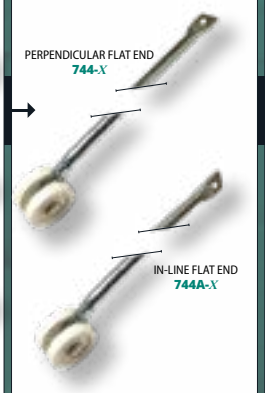
LINKAGE **C23**

THREE-POINT WITH ADAPTERS **12C4X**

CONNECTING RODS

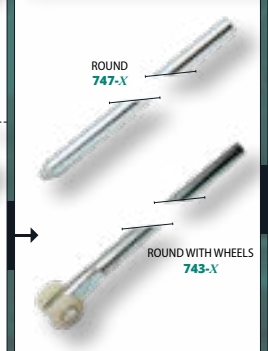
8.00MM DIAMETER

1. MATERIAL: ZINC PLATED STEEL
2. WHEEL MATERIAL: PLASTIC
3. CUSTOM LENGTHS AVAILABLE UPON REQUEST



PERPENDICULAR FLAT END **744-X**

IN-LINE FLAT END **744A-X**



ROUND **747-X**

ROUND WITH WHEELS **743-X**

CATCH & INSIDE HANDLES

SAFETY CATCH **C24**

IN-LINE HANDLE (90° ANGLE) **364-01, 364BK-01**

DIAGONAL HANDLE (45° ANGLE) **364-02, 364BK-02**

GUIDES

1. MATERIAL: PLASTIC WITH STEEL INSERT
2. INSERT HAS M6 THREAD AND ZINC PLATED FINISH

TALL **702-05**

SHORT **702-06**

HIGHLIGHTS / FEATURES

- Black glass reinforced nylon assemblies are UV stable and UL94HB flammability rated for optimal durability, thermal protection, and performance.
- Exterior handle configurations are available for Out-swing & In-swing applications; includes non-locking and tool secured or key-locking options.
- Handles are removable to prevent damage during unit transporting, and numerous interior multi-point connecting hardware solutions are available.
- Modular design allows for unassembled shipping and easy service or replacement in the field.
- Industry standard cut out for seamless integration into current designs.
- Mix and match components for use on doors with different thicknesses and latching orientations.
- Suitable for HVAC enclosure doors and other applications requiring gasket compression for a tight seal.

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888.444.6437 info@spep-marketing.com

NEW PRODUCT FAMILY UV

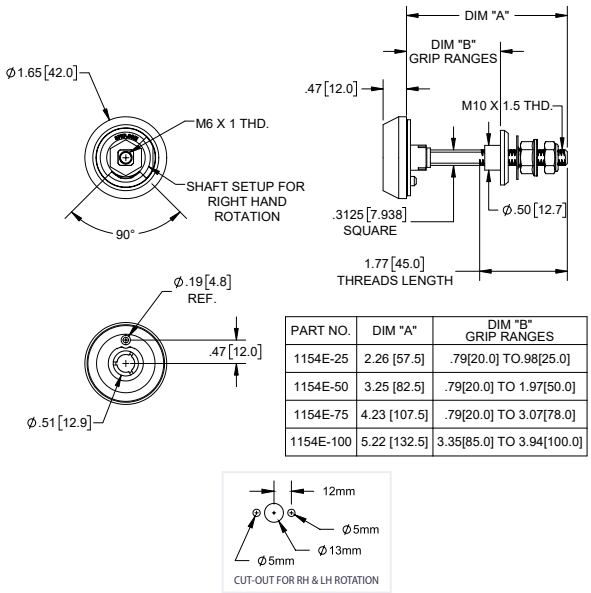
Plastic HVAC L-Handles

Escutcheons/Latch Housing(s)

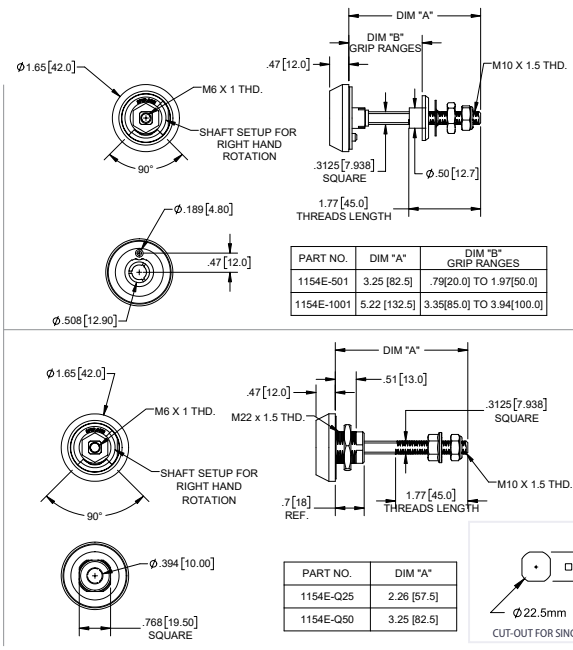
Part Number	Material/Finish	Description	Dim A Shaft Length	Dim B Grip Range
1154E-25	nylon/ textured black	adjustable cam escutcheon	2.26 [57.5]	0.79 [20.0] - 0.98 [25.0]
1154E-50		adjustable cam escutcheon	3.25 [82.5]	0.79 [20.0] - 1.97 [50.0]
1154E-501*		fixed cam escutcheon	3.25 [82.5]	0.79 [20.0] - 1.97 [50.0]
1154E-75		adjustable cam escutcheon	4.23 [107.5]	0.79 [20.0] - 3.07 [78.0]
1154E-100		adjustable cam escutcheon	5.22 [132.5]	3.35 [85.0] - 3.94 [100.0]
1154E-1001*		fixed cam escutcheon	5.22 [132.5]	3.35 [85.0] - 3.94 [100.0]
1154E-Q25 ‡		quarter turn mount adjustable escutcheon	2.26 [57.5]	
1154E-Q50 ‡		quarter turn mount adjustable escutcheon	3.25 [82.5]	

Plastic Cover p/n 1154C

- for use with 1154 series out-swing or in-swing l-handles
- for multi-point latching (without use of handle), plastic cover available as **P/N 1154C** (sold separately)
- assembly includes:
  (1) grommet
  (1) push on nut
  (1) M10 nylock nut
  (1) serrated-flange nut
- * assembly includes (1) M10 thin hex nut instead of serrated-flange nut
- ‡ assembly includes:
  (1) body nut
  (1) M10 nylock nut
  (1) serrated-flange nut



PART NO.	DIM "A"	DIM "B" GRIP RANGES
1154E-25	2.26 [57.5]	.79[20.0] TO.98[25.0]
1154E-50	3.25 [82.5]	.79[20.0] TO 1.97[50.0]
1154E-75	4.23 [107.5]	.79[20.0] TO 3.07[78.0]
1154E-100	5.22 [132.5]	3.35[85.0] TO 3.94[100.0]



PART NO.	DIM "A"	DIM "B" GRIP RANGES
1154E-501	3.25 [82.5]	.79[20.0] TO 1.97[50.0]
1154E-1001	5.22 [132.5]	3.35[85.0] TO 3.94[100.0]

PART NO.	DIM "A"
1154E-Q25	2.26 [57.5]
1154E-Q50	3.25 [82.5]

Plastic HVAC L-Handles Accessories

Inside Handles w/ Red Plastic Grip

Part No.	Description
364-01	In-line handle (90° angle)
364-02	diagonal handle (45° angle)

- material: steel handle with plastic grip
- finish: zinc plated handle with red textured grip
- for use on handles with a .313 [7.94] sq. shaft

8MM Rod Linkage

Part No.	Material / Finish	Description
C23	die cast zinc, steel / zinc plated	multi-point linkage

Safety Catch

Part No.	Material / Finish	Description
C24	steel / zinc plated	inside safety catch

Additional Components

Description	Page No.
cam rollers	60
cams	134
rods & rod guides	135

Plastic HVAC L-Handles

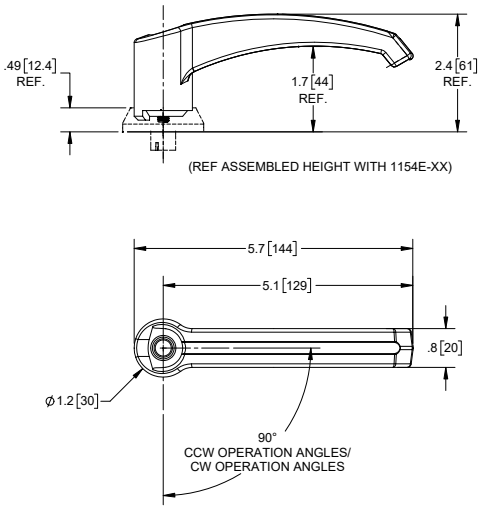
UV NEW PRODUCT FAMILY

p/n 1154 p/n 1154LK p/n 1154-333 p/n 1154-T01

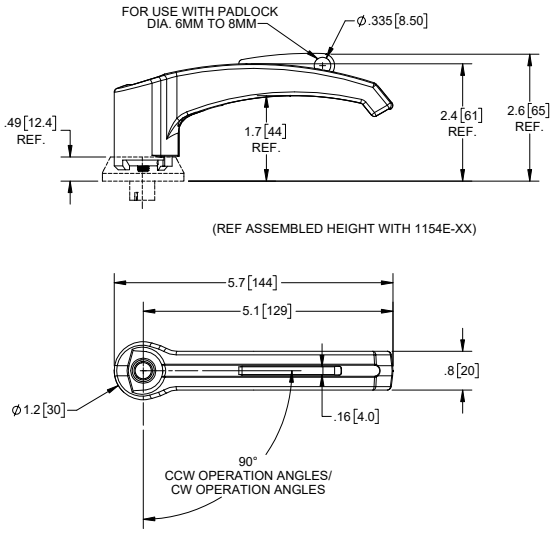
Out-Swing L-Handles

Part Number	Material/Finish	Locking / Code
1154	nylon/ textured black	non-locking
1154LK		padlocking
1154-333		key-locking / 333
1154-T01		tool-activated (8MM, 5/16" hex)

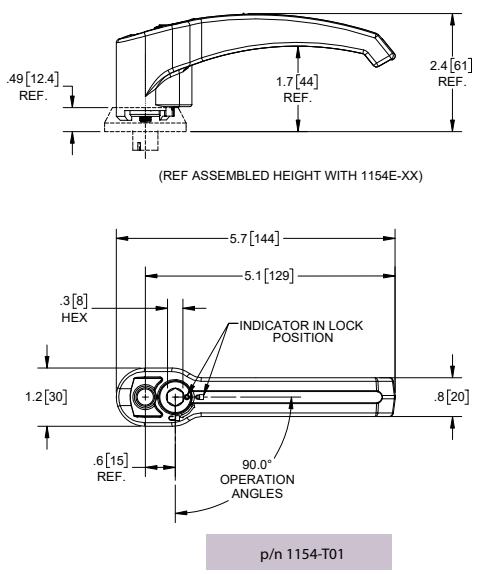
- M6 locking screw and screw cap included
- for use with **1154E** series escutcheon/latch housing(s)



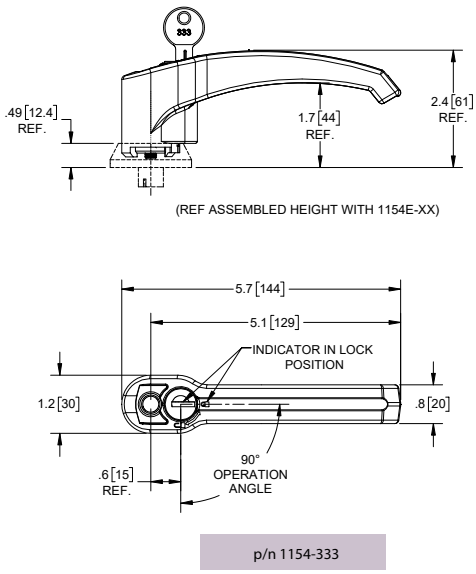
p/n 1154



p/n 1154LK



p/n 1154-T01



p/n 1154-333

NEW PRODUCT FAMILY UV

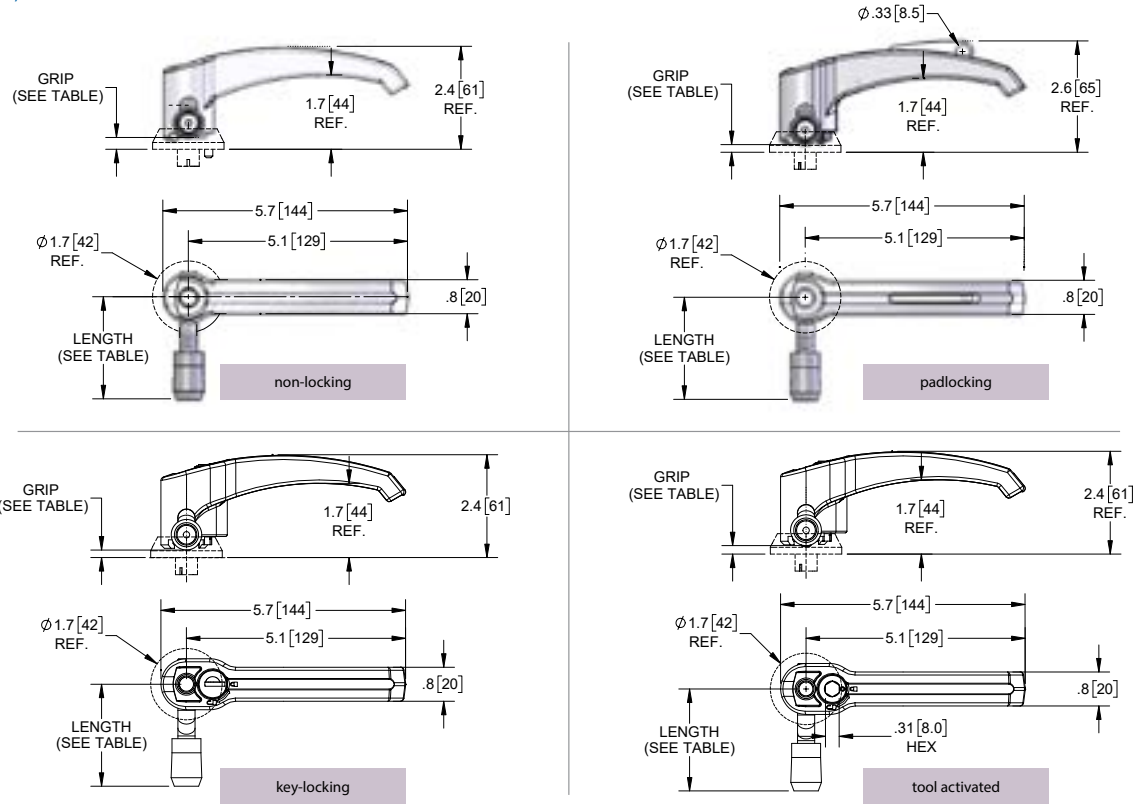
Plastic HVAC L-Handles

In-Swing L-Handle Latch Assemblies

Part Number	Material/Finish	Locking / Code	Cam Roller Style		Grip	Length
1154-033	nylon/ textured black	non-locking	offset	**C25L-10**	0.20 [5.0]	2.36 [60.0]
1154-053			offset	**C25L-10**	0.28 [7.0]	2.36 [60.0]
1154-011			straight	**C25S**	0.39 [10.0]	1.80 [45.7]
1154-052			straight	**C25L**	0.58 [16.0]	2.36 [60.0]
1154LK-033		padlocking	offset	**C25L-10**	0.20 [5.0]	2.36 [60.0]
1154LK-053			offset	**C25L-10**	0.28 [7.0]	2.36 [60.0]
1154LK-011			straight	**C25S**	0.39 [10.0]	1.80 [45.7]
1154LK-052			straight	**C25L**	0.58 [16.0]	2.36 [60.0]
1154-333033		key-locking / 333	offset	**C25L-10**	0.20 [5.0]	2.36 [60.0]
1154-333053			offset	**C25L-10**	0.28 [7.0]	2.36 [60.0]
1154-333011			straight	**C25S**	0.39 [10.0]	1.80 [45.7]
1154-333052			straight	**C25L**	0.58 [16.0]	2.36 [60.0]
1154-T01033		tool-activated (8MM, 5/16" hex)	offset	**C25L-10**	0.20 [5.0]	2.36 [60.0]
1154-T01053			offset	**C25L-10**	0.28 [7.0]	2.36 [60.0]
1154-T01011			straight	**C25S**	0.39 [10.0]	1.80 [45.7]
1154-T01052			straight	**C25L**	0.58 [16.0]	2.36 [60.0]

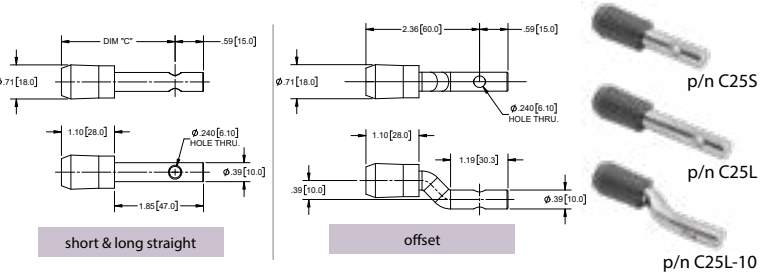
p/n 1154-0*XX* | p/n 1154LK-0*XX* | p/n 1154-3330*XX* | p/n 1154-T0*X*0*XX*

- M6 locking screw, screw cap and roller cam included
- roller cams also available separately as p/n: **C25L**, **C25L-10** & **C25S**
- for use with **1154E** series escutcheon/latch housing(s)
- additional grip ranges (2.5mm - 23mm) available, please contact SPEP sales rep for more info.



Cam Rollers

Part Number	Cam Roller Material/Finish	Pin Material/Finish	Description	Dim C
C25S	plastic/ textured black	steel/ zinc plated	short straight	1.80 [45.7]
C25L			long straight	2.36 [60.0]
C25L-10			offset	2.36 [60.0]



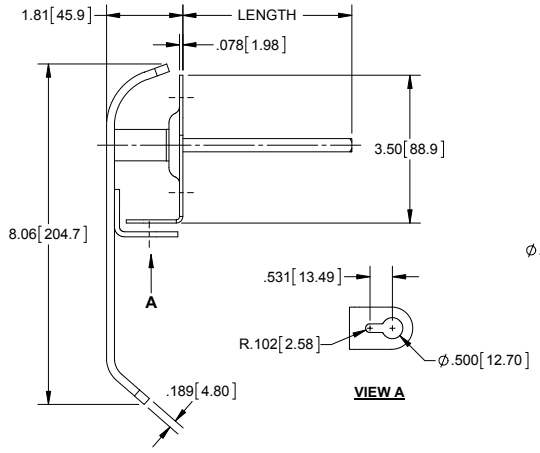
Stamped Padlocking L-Handles

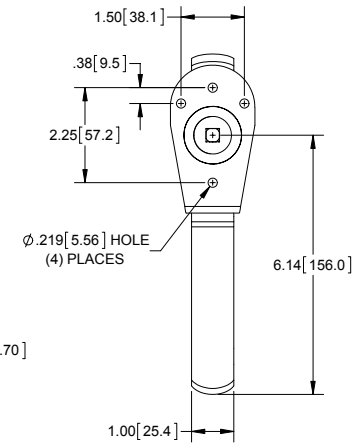
front mount style
holes on escutcheon

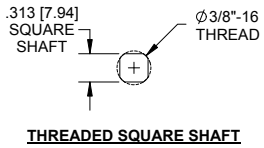
blind mount style
1/4-20 threaded studs on
escutcheon

Part Number	Material	Finish	Shaft Length	Shaft Style	Shaft Size	Mounting
300B	steel	brushed & zinc plated	4.00 [101.6]	non threaded	.313 [7.94]	front
NEW **300B-10**	steel	brushed & zinc plated	5.50 [139.7]	non threaded	.313 [7.94]	front
300CH	steel	chrome plated	4.00 [101.6]	non threaded	.313 [7.94]	front
305P	304SS	polished	4.00 [101.6]	non threaded	.313 [7.94]	front
305B	304SS	brushed	4.00 [101.6]	non threaded	.313 [7.94]	front
305BTHD	304SS	brushed	4.00 [101.6]	3/8 - 16 thread	.313 [7.94]	front
305BTHD01	304SS	brushed	1.50 [38.1]	3/8 - 16 thread	.313 [7.94]	blind
505B	304SS	brushed	4.00 [101.6]	non threaded	.500 [12.70]	front

- 360° bidirectional rotation design
- keyhole allows you to use a standard padlock or dual lock bracket, enabling the use of 2 padlocks with different key codes. See part no. **X125-01** below
- gasket available separately, part no. **300G-01**



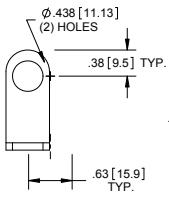


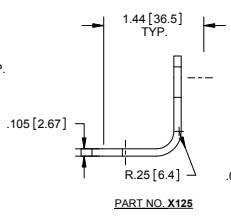


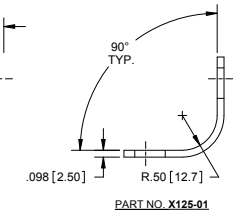
Dual Lock Brackets

Part Number	Description	Material	finish
X125-01	for cast handles	304SS	deburred

- fits handles with special keyhole cut-out







Padlocking L-Handles

Front-mount

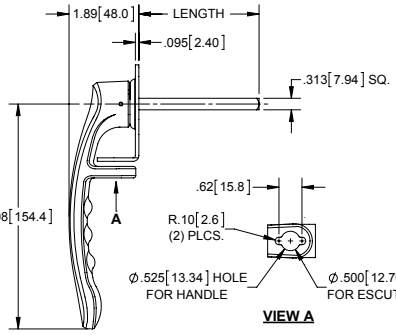
PAT.

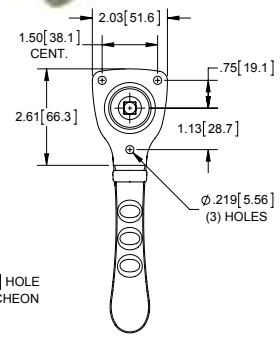
Part Number	Material	Finish	Shaft Length	Shaft Style	Shaft Size
309-SS-P	304SS	polished	3.25 [82.6]	non threaded	.313 [7.94]
309-SS-PS	304SS	passivated	3.25 [82.6]		.313 [7.94]
309-S-ZN	cast steel	zinc plated	3.25 [82.6]		.313 [7.94]
309-S-G01	cast steel	ANSI 61 gray powder coated	3.25 [82.6]		.313 [7.94]
309-S-CH	cast steel	chrome plated	3.25 [82.6]		.313 [7.94]
309TH-SS-P	304SS	polished	3.25 [82.6]	3/8" - 16 thread	.313 [7.94]
309TH-SS-P1	316SS	polished	4.00 [101.6]		.313 [7.94]
309TH-S-ZN	cast steel	zinc plated	3.25 [82.6]		.313 [7.94]
309TH-S-ZN01	cast steel	zinc plated	1.14 [37.3]		.313 [7.94]

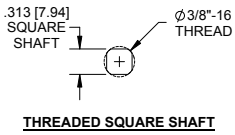
- 360° bidirectional rotation design
- all parts include o-ring
- keyhole allows you to use a standard padlock or dual lock bracket, enabling the use of 2 padlocks with different key codes. See part no. **X125-01** on pg. 40

patented

front mount style, holes on escutcheon







THREADED SQUARE SHAFT

Blind-mount

NEMA 4 NEMA 4x NEMA 12 PAT.

Part Number	Material	Finish	Shaft Length	Shaft Style	Shaft Size
309BO-SS-P*	304SS	passivated	3.25 [82.6]	non threaded	.313 [7.94]
309THBO-SS-P*	304SS	polished	3.25 [82.6]	3/8" - 16 thread	.313 [7.94]
309THBO-SS-P1*	304SS	polished	1.50 [38.1]		.313 [7.94]
309THBO-SS-P4*	304SS	polished	2.50 [63.5]	non threaded	.313 [7.94]
309THB-S-ZN	cast steel	zinc plated	3.25 [82.6]	3/8" - 16 thread	.313 [7.94]
309THB-S-ZN1	cast steel	zinc plated	2.25 [57.2]		.313 [7.94]

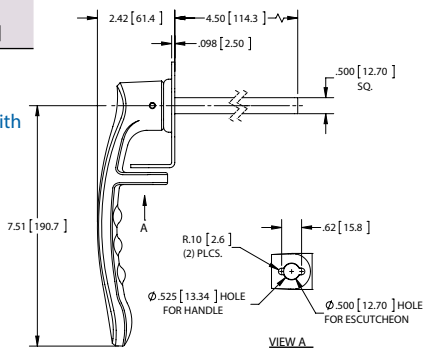
- 360° bidirectional rotation design
- all parts include o-ring
- intended for NEMA 4, 4X, 12 and IP66 enclosure requirements when used with **309G-02** face gasket (sold separately)
  * stainless steel parts include gasket
- keyhole allows you to use a standard padlock or dual lock bracket, enabling the use of 2 padlocks with different key codes. See part no. **X125-01** on pg. 40

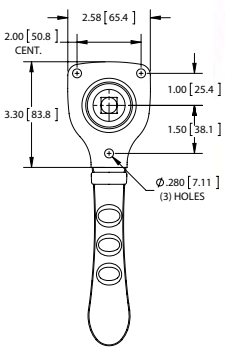
blind-mount handles have ¼-20 x .50" long threaded studs, except for P/N 309THBO-SS-P1 which has .375" long studs.

PAT. Padlocking L-Handles

Part Number	Material	Finish	Shaft Length	Shaft Size
310-SS-P	304SS	hand polished & passivated	4.50 [114.3]	.500 [12.7]
310-SS-PS	304SS	passivated	4.50 [114.3]	.500 [12.7]
310-S-ZN	cast steel	zinc plated	4.50 [114.3]	.500 [12.7]
310-S-CH	cast steel	chrome plated	4.50 [114.3]	.500 [12.7]

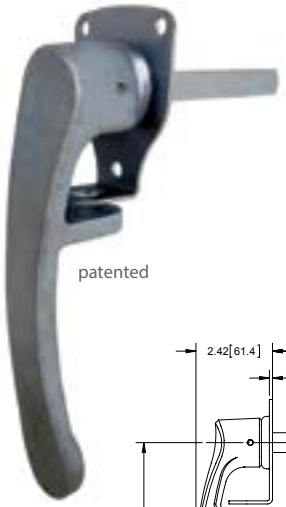
- 360° bidirectional rotation design
- all parts include internal o-ring
- intended for NEMA 12 enclosure requirements when used with **310G** face gasket (sold separately)
- keyhole allows you to use a standard padlock or dual lock bracket, enabling the use of 2 padlocks with different key codes. See part no. **X125-01** on pg. 40
- non-threaded shaft
- ideal for use with three point latches on pages 220 & 222



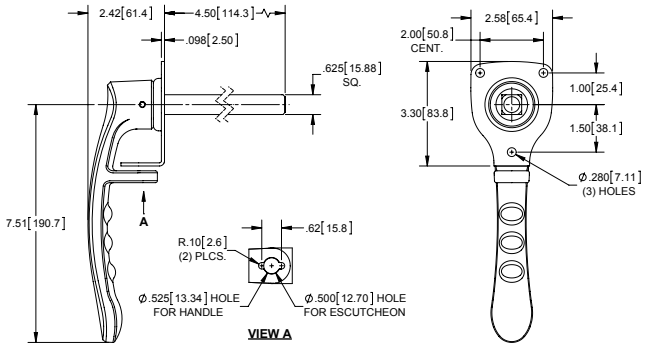


patented

Padlocking L-Handles PAT.



patented

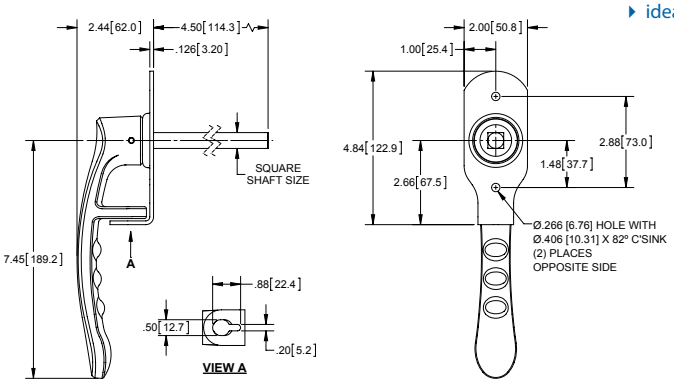


Part Number	Material	Finish	Shaft Length	Shaft Size	Mounting
311-SS-P	304SS	hand polished & passivated	4.50 [114.3]	.625 [15.88]	front
311-SS-P02*	304SS	hand polished & passivated	2.50 [63.5]	.625 [15.88]	blind
311-SS-PS	304SS	passivated	4.50 [114.3]	.625 [15.88]	front
311-S-ZN	cast steel	zinc plated	4.50 [114.3]	.625 [15.88]	front
311-S-CH	cast steel	chrome plated	4.50 [114.3]	.625 [15.88]	front

- keyhole allows you to use a standard padlock or dual lock bracket, enabling the use of 2 padlocks with different key codes. See part no. **X125-01** on pg. 40
- gasket available separately, part no. **310G**
- all parts include o-ring
- * part no. **311-SS-P02** has (3) 1/4-20 threaded weld studs instead of through holes on escutcheon and comes with black poron gasket (part no. **310G**)
- 360° bi-directional rotation
- ideal for use with three point latches on pages 221 & 222

Padlocking L-Handles PAT.

patented



Part Number	Material	Finish	Shaft Length	Shaft Size
321-S-ZN	cast steel	zinc plated	4.50 [114.3]	.500 [12.70]
322-S-ZN	cast steel	zinc plated	4.50 [114.3]	.625 [15.88]

- includes o-ring for a smooth handle rotation
- keyhole allows you to use a standard padlock or dual lock bracket, enabling the use of 2 padlocks with different key codes. See part no. **X125-01** on pg. 40
- gasket available separately, part no. **321G**
- 360° bi-directional rotation
- ideal for use with three point latches on pages 220 - 222

PAT. Heavy Duty Bellcore Defeater Handles

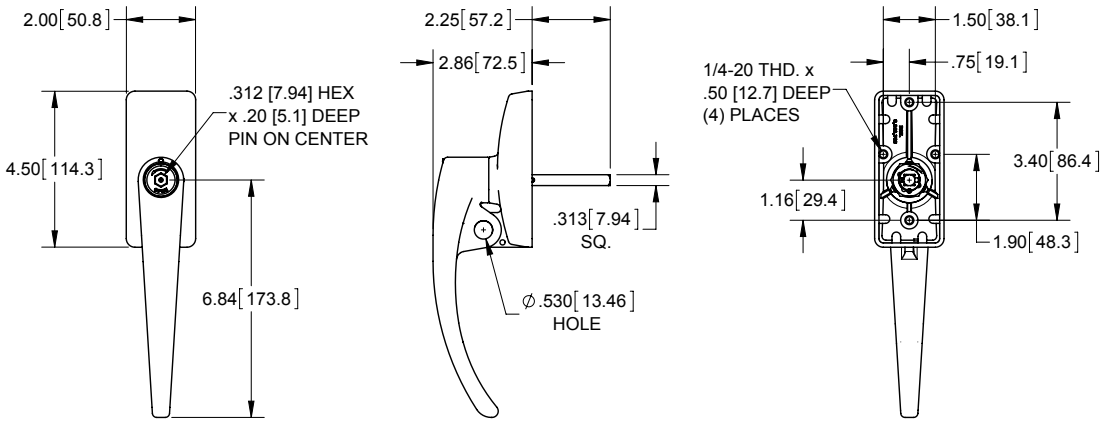
Part Number	90° Rotation	Shaft Size	Material	Finish
3921	right hand (CC)	.313 [7.94]	304SS	passivated
3922	left hand (CW)	.313 [7.94]	304SS	passivated

- self-locking handle for automatic security
- weather-resistant gasket
- padlock hasp for added protection
- tool operated defeater

Meets Bellcore GR-487 Core Spec.

patented

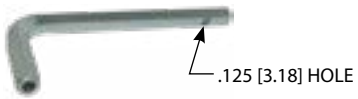
right hand shown
part no. 3921



Bellcore Hex Tool Key

Part Number	Size	Material	Finish
392-K	8mm Bellcore hex	steel	zinc plated

- sold separately

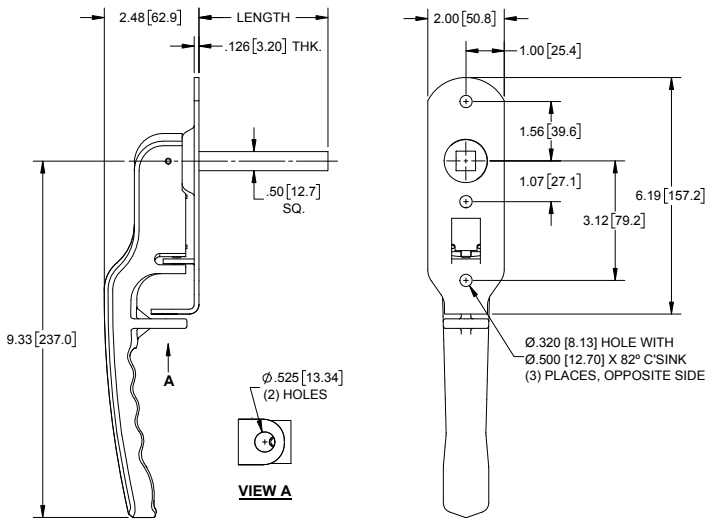


316SS PAT. Heavy Duty 316SS L-Handles

Part Number	Key Code	Material	Finish	Length	Shaft Size
308SS-1250	1250	316SS	passivated	3.38 [85.7]	.50 [12.7]
308SS01-1250	1250	316SS	passivated	4.38 [111.1]	.50 [12.7]

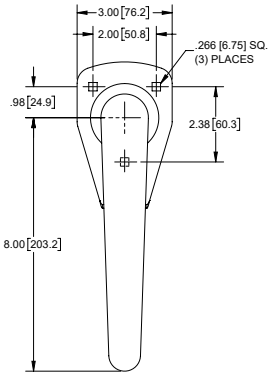
- includes (3) mounting screws and (2) ringed keys
- 360° bi-directional rotation
- padlockable & key lockable

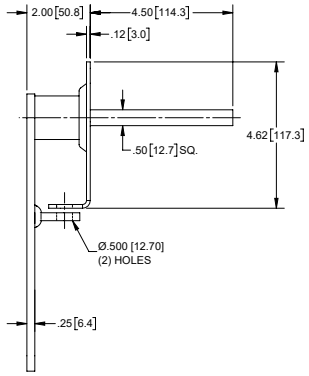
patented



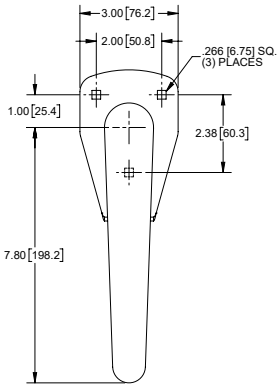
Heavy Duty Padlocking L-Handles

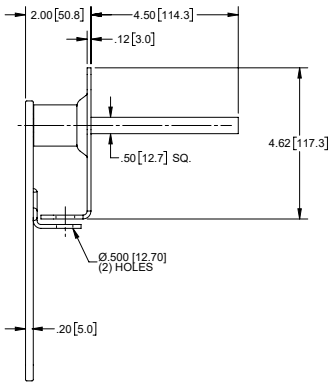
p/n 306





p/n 306SS

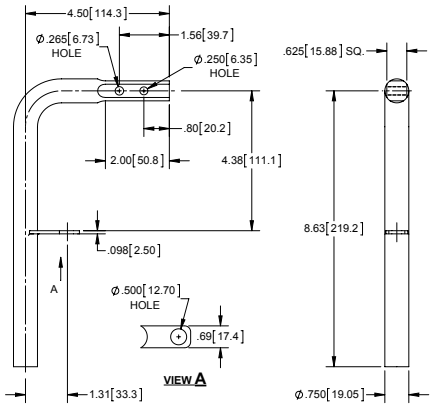




Part No.	Material	Finish	Square Shaft Size
306	steel	zinc plated	.500 [12.70]
NEW **306SS**	304SS	electropolished	.500 [12.70]

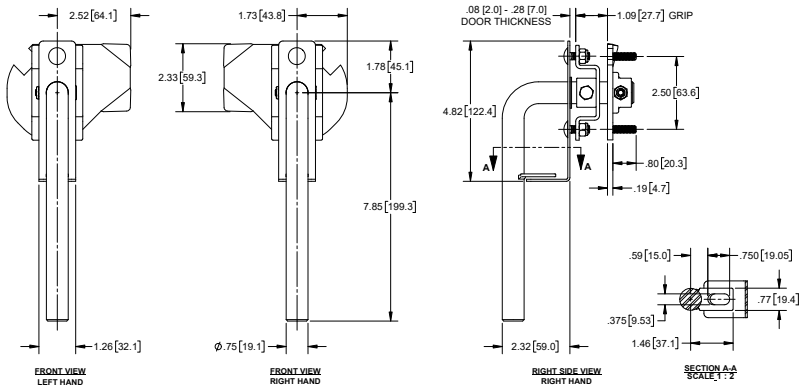
- 360° bi-directional rotation

Traffic Enclosure Handle



Part No.	Material	Finish
302-SS-00	304SS	passivated

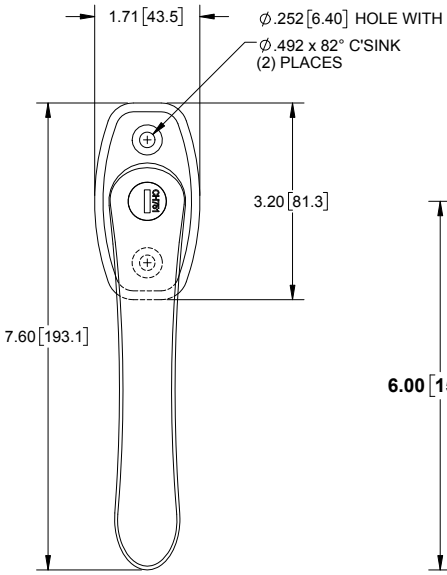
Traffic Enclosure Handles with Escutcheon *316SS*

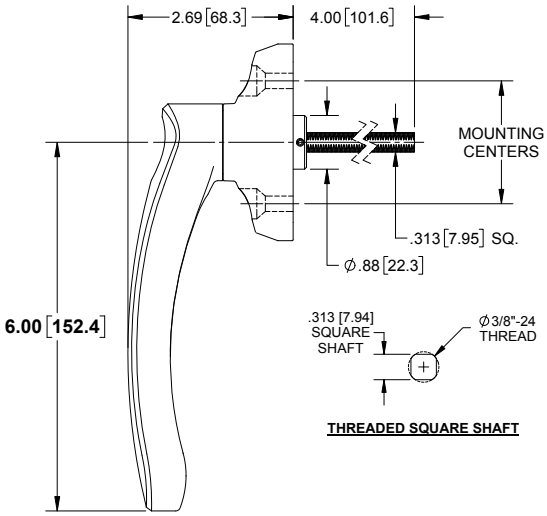


Part No.	Material	Finish	Handing
324SS	316SS	electropolished	right hand
324SS-LH	316SS	electropolished	left hand

- only handle and escutcheon are 316SS
- handles rotate 360° bi-directionally

Large L-Handles





THREADED SQUARE SHAFT

patented

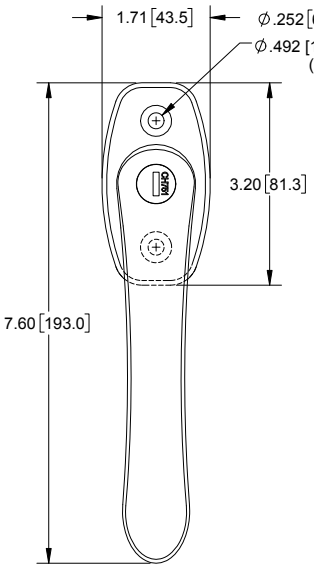
front-mount locking shown

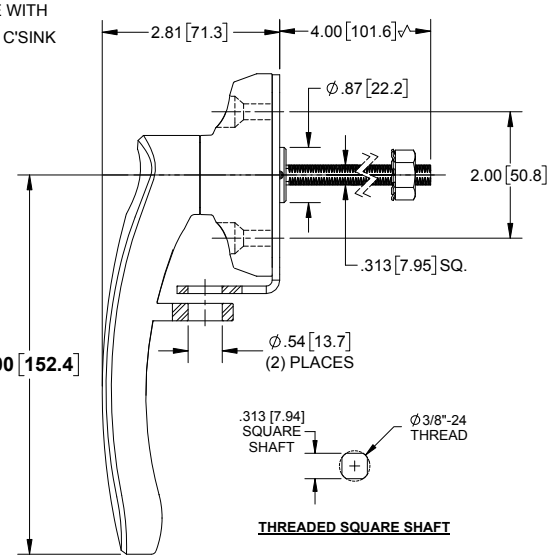
Part Number	90° Rotation	Locking	Keyed (2 Keys/Lock)	Shaft Length	Shaft Style	Finish	Mount	Mounting Centers
3362 *	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	1.813 [46.04]
336201 *	90° CC	yes	CH751					
3363 *	90° CW	no	non-locking					
336301 *	90° CC	no	non-locking					
3462 *	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	1.813 [46.04]
346201 *	90° CC	yes	CH751					
3463 *	90° CW	no	non-locking					
346301 *	90° CC	no	non-locking					
3360	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	2.000 [50.80]
336001BK	90° CC	yes	CH751			matte black powder coat		
3360BK	90° CW	yes	CH751			matte black powder coat		
336003	360°	no	non-locking	4.00 [101.6]	3/8" - 24 thread	chrome	front	2.000 [50.80]
336004	360°	yes	CH751					
336001	90° CC	yes	CH751					
3361	90° CW	no	non-locking					
336101	90° CC	no	non-locking					
3460	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	2.000 [50.80]
346001	90° CC	yes	CH751					
3461	90° CW	no	non-locking					
346101	90° CC	no	non-locking					
3364 *	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	2.250 [57.15]
336401 *	90° CC	yes	CH751					
3365 *	90° CW	no	non-locking					
336501 *	90° CC	no	non-locking					
3464 *	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	2.250 [57.15]
346401 *	90° CC	yes	CH751					
3465 *	90° CW	no	non-locking					
346501 *	90° CC	no	non-locking					

- material: die cast zinc
- achieve NEMA 12 and IP64 enclosure access requirements when combined with escutcheon gasket sold separately, part no. **336G**
- meets ADA requirements
- includes dust shutter
- locking handles include (2) ringed keys
- front-mount handles do not include mounting screws (1/4" or #14 recommended)
- blind-mount handles include (2) 1/4 - 20 x .63 [16.0] long mounting screws
- all handles include 3/8"-24 keps nut
- * non-stock part
- see accessories starting on pg. 58

Large 5/16" Sq. Shaft L-Handles with Padlocking Option

NEMA 12 IP64 PAT. ADA



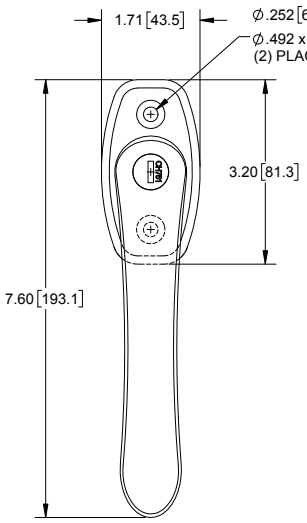


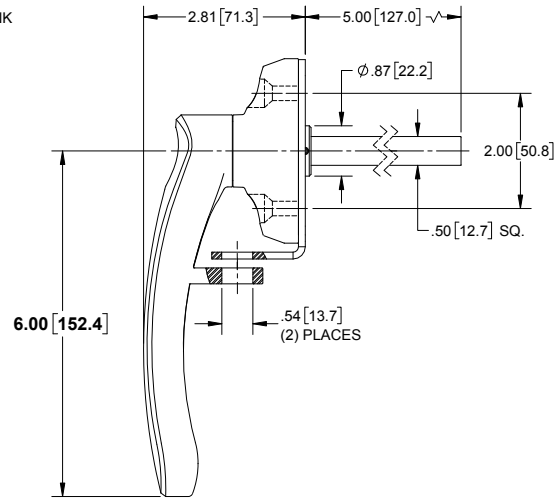
Part Number	Rotation	Locking	Keyed (2 Keys/Lock)	Shaft Length	Shaft Style	Finish	Mount	Mounting Centers
336001LK	90° CC	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	2.000 [50.80]
3360LK	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	2.000 [50.80]
336004LK	360°	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	2.000 [50.80]

- includes dust shutter
- handles include (2) ringed keys
- does not include mounting screws (1/4" or #14 recommended)
- material: die cast zinc
- meets ADA requirements
- achieve NEMA 12 and IP64 enclosure access requirements when combined with (2) escutcheon gaskets sold separately (part no. **336G**) and sealing screws
- see accessories starting on pg. 58

Large 1/2" Sq. Shaft L-Handles with Padlocking Option

PAT. ADA

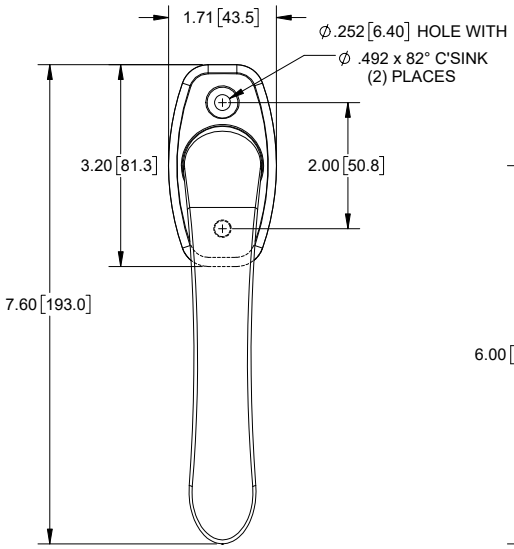


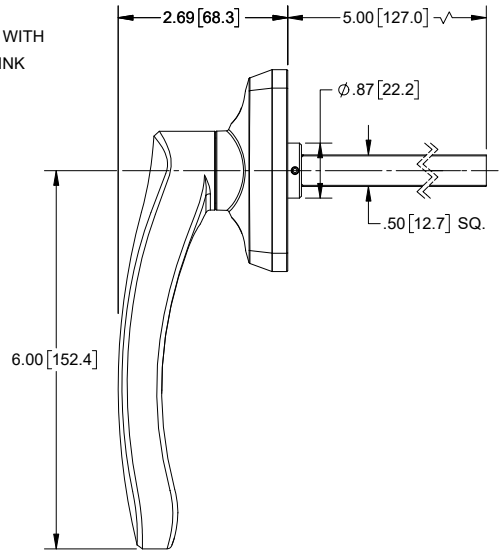


Part Number	Rotation	Locking	Keyed (2 Keys/Lock)	Shaft Length	Shaft Style	Finish	Mount	Mounting Centers
3370LK	90° CW	yes	CH751	5.00 [12.7]	non-threaded	chrome	front	2.000 [50.80]
337004LK	360°	yes	CH751	5.00 [12.7]	non-threaded	chrome	front	2.000 [50.80]
3370LKBK	90° CW	yes	CH751	5.00 [12.7]	non-threaded	matte black powder coat, lightly textured	front	2.000 [50.80]
337001LK	90° CC	yes	CH751	5.00 [12.7]	non-threaded	chrome	front	2.000 [50.80]
337001LKBK	90° CC	yes	CH751	5.00 [12.7]	non-threaded	matte black powder coat, lightly textured	front	2.000 [50.80]

- includes dust shutter
- handles include (2) ringed keys
- does not include mounting screws (1/4" or #14 recommended)
- see accessories starting on pg. 58
- material: die cast zinc
- meets ADA requirements
- achieve NEMA 12 and IP64 enclosure access requirements when combined with (2) escutcheon gaskets sold separately (part no. **336G**) and sealing screws

NEMA 12 IP64 PAT. ADA Large 1/2" Sq. Shaft L-Handle





Part Number	Rotation	Locking	Shaft Length	Shaft Style	Finish	Mount	Mounting Centers
337005	360°	no	5.00 [12.7]	non-threaded	chrome	front	2.000 [50.80]

- material: die cast zinc
- does not include mounting screws (1/4" or #14 recommended)
- ideal for use with three point center cases on page 227
- meets ADA requirements
- achieve NEMA 12 and IP64 enclosure access requirements when combined with (2) escutcheon gaskets sold separately (part no. **336G**)
- see accessories starting on pg. 58

Compatible Accessories for Square Shafted Handles

Cams

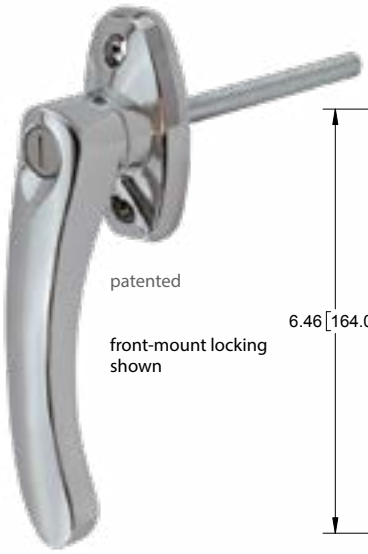
Tubular and Channel Rod Kits

Cab Latches

Center Cases

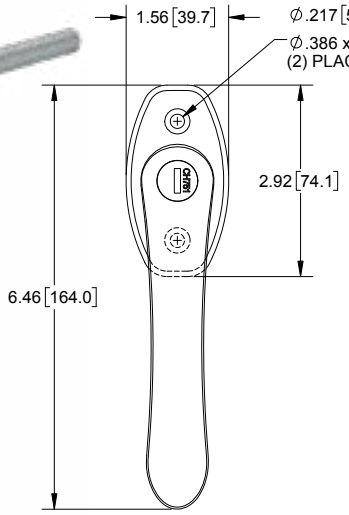
Medium L-Handles

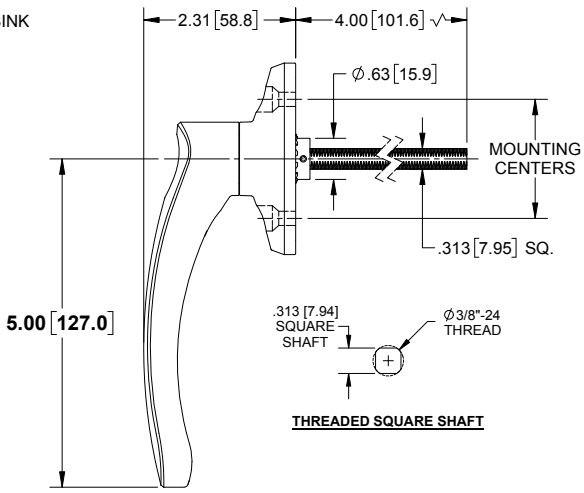
NEMA 12 IP64 PAT. ADA



patented

front-mount locking shown

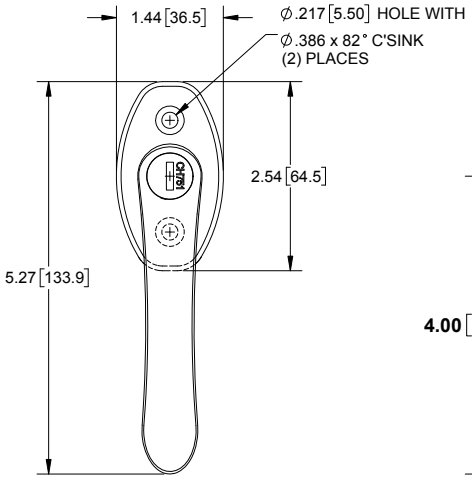


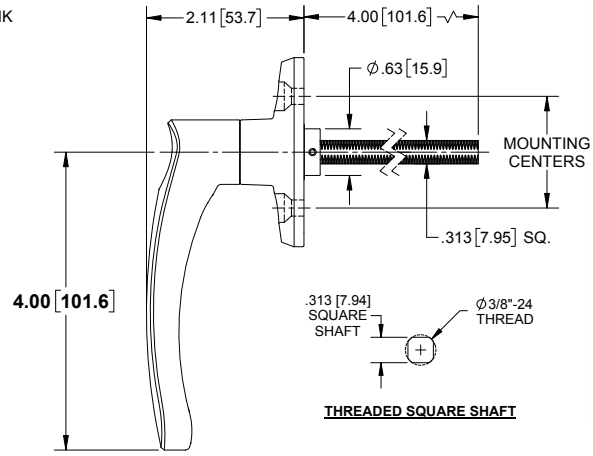


Part Number	Rotation	Locking	Keyed (2 Keys/Lock)	Shaft Length	Shaft Style	Finish	Mount	Mounting Centers
3352	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	1.750 [44.45]
335201	90° CC							
3353 *	90° CW	no	non-locking					
335301 *	90° CC							
3452 *	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	1.750 [44.45]
345201 *	90° CC							
3455 *	90° CW	no	non-locking					
345501 *	90° CC							
3350	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	1.813 [46.04]
335001	90° CC							
3351	90° CW	no	non-locking					
335101	90° CC							
3450	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	1.813 [46.04]
345001	90° CC							
3453	90° CW	no	non-locking					
345301	90° CC							
3354	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	2.000 [50.80]
335401	90° CC							
3355 *	90° CW	no	non-locking					
335501 *	90° CC							
3454 *	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	2.000 [50.80]
345401 *	90° CC							
3451 *	90° CW	no	non-locking					
345103 *	90° CC							

- material: die cast zinc
- achieve NEMA 12 and IP64 enclosure access requirements when combined with escutcheon gasket sold separately, part no. **335G**
- meets ADA requirements
- includes dust shutter
- locking handles include (2) ringed keys
- front-mount handles do not include mounting screws (#10 recommended)
- blind-mount handles include (2) 10-32 x .41 [10.4] long mounting screws
- all handles include 3/8"-24 keps nut
- * non-stock part
- see accessories starting on pg. 58

Small L-Handles





patented

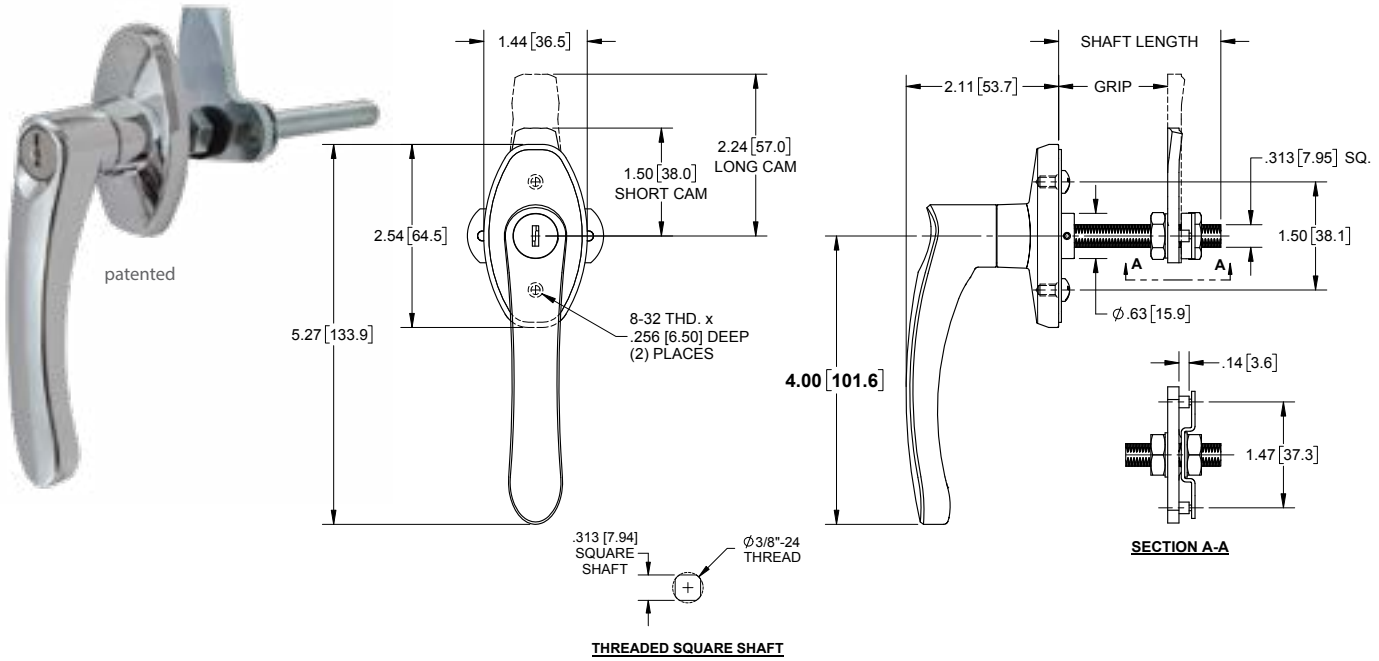
front-mount locking shown

Part Number	Rotation	Locking	Keyed (2 Keys/Lock)	Shaft Length	Shaft Style	Finish	Mount	Mounting Centers
3151	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	1.500 [38.10]
3152	90° CC							
3154	90° CW	no	non-locking					
3155	90° CC							
3251	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	1.500 [38.10
3252	90° CC							
3254	90° CW	no	non-locking					
3255	90° CC							
3153	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	1.750 [44.45]
315301	90° CC							
3157 *	90° CW	no	non-locking					
315701 *	90° CC							
315304	360°	yes	CH751		non-threaded			
315403	360°	no	non-locking					
3253 *	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	1.750 [44.45]
325301 *	90° CC							
3257 *	90° CW	no	non-locking					
325701 *	90° CC							
3156	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	front	1.813 [46.04]
315601	90° CC							
3159	90° CW	no	non-locking					
315901	90° CC							
3256	90° CW	yes	CH751	4.00 [101.6]	3/8" - 24 thread	chrome	blind	1.813 [46.04]
325601	90° CC							
3259 *	90° CW	no	non-locking					
325901 *	90° CC							

- material: die cast zinc
- achieve NEMA 12 and IP64 enclosure access requirements when combined with escutcheon gasket sold separately, part no. **315G**
- meets ADA requirements
- includes dust shutter
- locking handles include (2) ringed keys
- front-mount handles do not include mounting screws (#10 recommended)
- blind-mount handles include (2) 8-32 x .25 [6.4] long mounting screws
- all handles include 3/8"-24 keps nut
- * non-stock part
- see accessories starting on pg. 58

Small Chrome L-Handles with 3-Point Cam

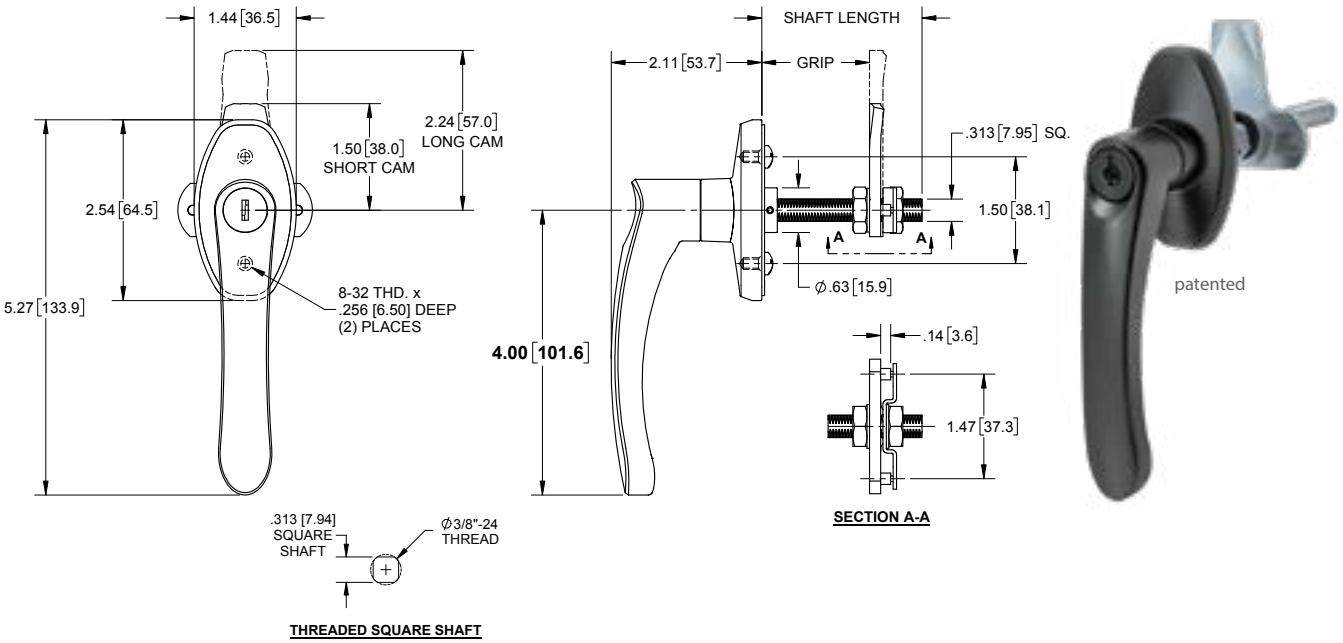
PAT. NEMA 12 IP64 ADA



Part Number	Cam Type	Shaft Length	Grip	Rotation	Key Code
35CH-01	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]		
35CH-01L	long				
35CH-02	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]	90° CW	non-locking
35CH-02L	long				
35CH-03	short	2.25 [57.2]	.63 [16.0] - 1.75 [44.5]		
35CH-03L	long				
36CH-01	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]		
36CH-01L	long				
36CH-02	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]	90° CW	CH751
36CH-02L	long				
36CH-03	short	2.25 [57.2]	.63 [16.0] - 1.75 [44.5]		
36CH-03L	long				
35CH-04	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]		
35CH-04L	long				
35CH-05	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]	90° CC	non-locking
35CH-05L	long				
35CH-06	short	2.25 [57.2]	.63 [16.0] - 1.75 [44.5]		
35CH-06L	long				
36CH-04	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]		
36CH-04L	long				
36CH-05	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]	90° CC	CH751
36CH-05L	long				
36CH-06	short	2.25 [57.2]	.63 [16.0] - 1.75 [44.5]		
36CH-06L	long				

- material: die cast zinc
- meets ADA requirements
- locking handles include (2) ringed keys
- handles are blind-mount and include (2) 8-32 x .25 [6.4] long mounting screws
- all handles include: cam, cam cover, poron gasket, (2) jam nuts, (2) mounting screws, and (2) lock washers
- may be used with part number **723** rods, pg. 63
- see accessories starting on pg. 58

PAT. NEMA 12 IP64 ADA Small Black L-Handles with 3-Point Cam



Part Number	Cam Type	Shaft Length	Grip	Rotation	Key Code
35BK-01	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]		
35BK-01L	long				
35BK-02	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]	90° CW	non-locking
35BK-02L	long				
35BK-03	short	2.25 [57.2]	.63 [16.0] - 1.75 [44.5]		
35BK-03L	long				
36BK-01	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]		
36BK-01L	long				
36BK-02	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]	90° CW	CH751
36BK-02L	long				
36BK-03	short	2.25 [57.2]	.63 [16.0] - 1.75 [44.5]		
36BK-03L	long				
35BK-04	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]		
35BK-04L	long				
35BK-05	short	1.74 [44.5]	.63 [16.0] - 1.25 [31.8]	90° CC	non-locking
35BK-05L	long				
35BK-06	short	2.25 [57.2]	.63 [16.0] - 1.75 [44.5]		
35BK-06L	long				
36BK-04	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]		
36BK-04L	long				
36BK-05	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]	90° CC	CH751
36BK-05L	long				
36BK-06	short	2.25 [57.2]	.63 [16.0] - 1.75 [44.5]		
36BK-06L	long				

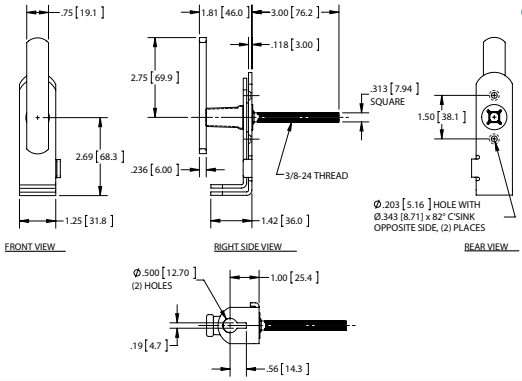
- material: die cast zinc
- meets ADA requirements
- locking handles include (2) ringed keys
- handles are blind-mount and include (2) 8-32 x .25 [6.4] long mounting screws
- all handles include: cam, cam cover, poron gasket, (2) jam nuts, (2) mounting screws, and (2) lock washers
- may be used with part number **723** rod, pg. 63
- see accessories starting on pg. 58

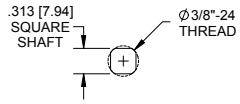
Stamped Padlocking T-Handles

CCW rotation shown

Part No.	Rotation	Material	Finish	Shaft Length	Shaft Style	Shaft Size	Mounting
301ZN	CW	steel	zinc plated	3.00 [76.2]	3/8" - 24 thread	.313 [7.94]	front
301ZN50	CCW						
301SS	CW	304SS	electropolished	3.00 [76.2]	3/8" - 24 thread	.313 [7.94]	front
301SS50	CCW						

- threaded shaft has a 3/8-24 thread
- gasket available separately, part no. **301G**
- keyhole allows you to use a standard padlock or dual lock bracket, enabling the use of 2 padlocks with different key codes. See part no. **X125-01** on pg. 40

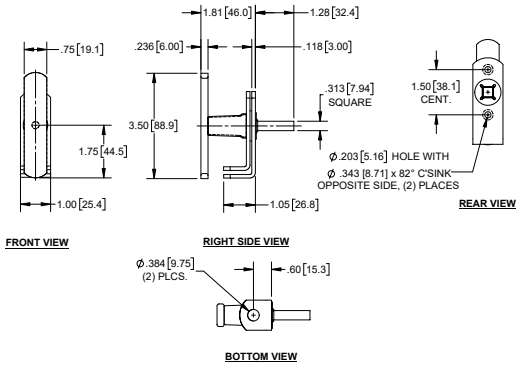




THREADED SQUARE SHAFT

Stamped Padlocking T-Handle

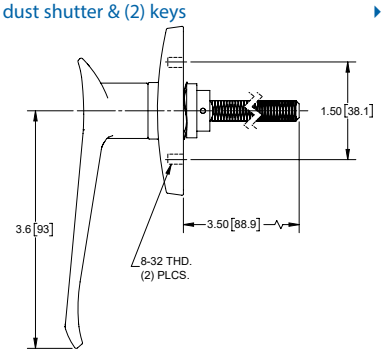
Part Number	Rotation	Material	Finish	Shaft Length	Shaft Style	Shaft Size	Mounting
301ZN502	360°	steel	zinc plated	1.28 [32.4]	non-threaded	.3125 [7.938] SQ.	front

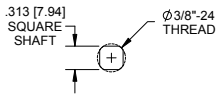


Blind Mount L-Handles

Part Number	Mount	Rotation	Shaft Style	Shaft Length	Locking	Finish	Key Code
3101	blind	90° CW	3/8" - 24 thread	3.50 [88.9]	yes	chrome	CAT60
3102		90° CC					
3103		90° CW				brushed	
3104		90° CC					
3121	blind	90° CW	3/8" - 24 thread	3.50 [88.9]	no	chrome	non-locking
3122		90° CC					
3123		90° CW				brushed	
3124		90° CC					

- material: die cast zinc
- .313 [7.94] sq. shaft
- dust shutter & (2) keys
- each handle includes: (2) mounting screws, (1) nut, (1) lock washer
- gasket available separately, part no. **312G**



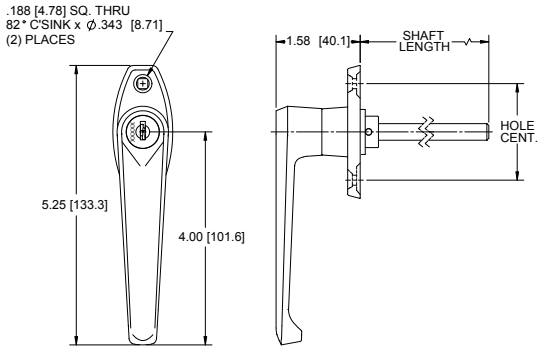


THREADED SQUARE SHAFT

Front and Blind Mount L-Handles

Part Number	Mount	Hole Cent.	90° Rotation	Shaft Style	Shaft Length	Locking	Finish	Key Code
3301	front	1.813 [46.04]	CW	non-threaded	4.00 [101.6]	yes	chrome	CH751
3302	front	1.813 [46.04]	CC		4.00 [101.6]	yes	chrome	CH751
330206	blind	1.500 [38.10]	CC		4.00 [101.6]	yes	dull chrome	CH751
330101	front	1.813 [46.04]	360°		2.00 [50.8]	yes	chrome	keyed different
330102	front	1.813 [46.04]	CW		5.50 [139.7]	yes	chrome	keyed different
330107	blind	1.500 [38.10]	CW		4.00 [101.6]	yes	dull chrome	CH751

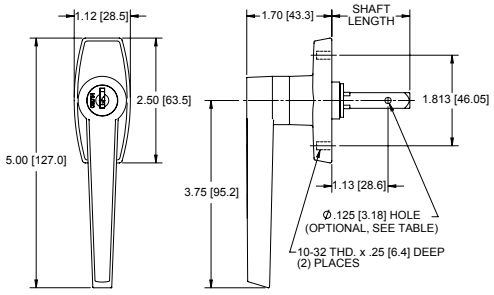
- material: die cast zinc
- .313 [7.94] sq. shaft
- (2) keys
- mounting screws not supplied
- gasket available separately, part no. **330G** NEW



Blind Mount L-Handles

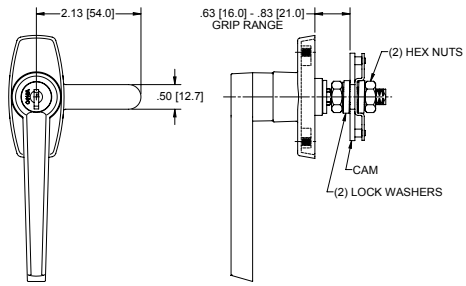
Part Number	Mount	Rotation	Shaft Style	Shaft Length	Shaft Hole	Locking	Finish	Key Code
3201	blind	90° CW	3/8" -24 thread	4.00 [101.6]	no	yes	chrome	CH751
320103	blind	90° CW	non-threaded	1.56 [39.6]	yes	yes	chrome	CH751
320106	blind	90° CW	3/8" -24 thread	2.50 [63.5]	no	yes	chrome	CH751
320107	blind	90° CW	3/8"-16 thread	1.44 [36.6]	no	yes	chrome	C415A
3202	blind	90° CC		4.00 [101.6]	no	yes	chrome	CH751
320201	blind	90° CC	non-threaded	1.56 [39.6]	yes	yes	chrome	CH751
320204	blind	90° CC	3/8" -16 thread	1.44 [36.6]	no	yes	chrome	C415A
3221	blind	90° CW	non-threaded	4.00 [101.6]	no	no	chrome	non-locking
322101	blind	90° CW		1.56 [39.6]	yes	no	chrome	non-locking
3222	blind	90° CC		4.00 [101.6]	no	no	chrome	non-locking
322202	blind	90° CC	3/8" -24 thread	1.56 [39.6]	no	no	chrome	non-locking

- material: die cast zinc
- achieve NEMA 12 enclosure access requirements when combined with escutcheon gasket sold separately (part no. **320G-01**)
- stock items available for immediate shipment
- .313 [7.94] sq. shafts
- 3/8"-24 threaded shafts include a keps nut
- mounting screws not supplied
- handles include o-ring
- (2) keys



Part Number	Description
320209	same as part no. **320204** except with cam and mounting hardware

- (2) mounting screws supplied
- use with part no. **723** rods, pg. 63



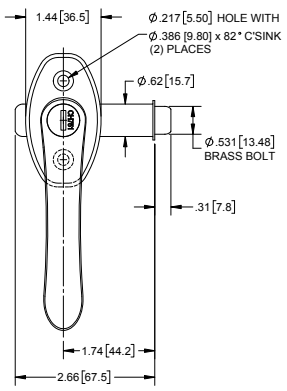
part no. **320209**

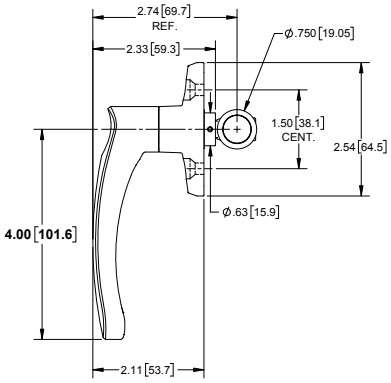
Small L-Handles with Slam Bolt Latch

PAT. NEMA 12 IP64 ADA

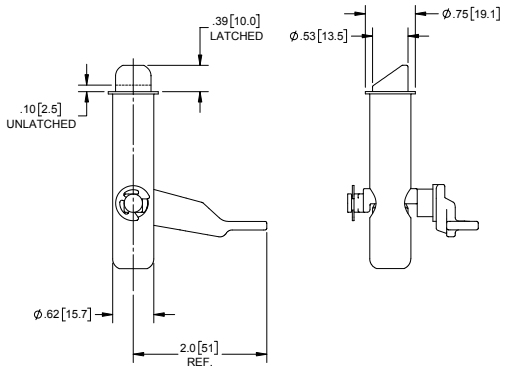
Part Number	Mount	90° Rotation	Locking	Finish	Key Code
315105	front	CW	yes	chrome	CH751
315405	front	CW	no	chrome	non-locking
325205	blind	CC	yes	chrome	CH751

- material: die cast zinc
- includes dust shutter
- includes (2) ringed keys
- mounting screws not supplied (#10 recommended)
- components may be purchased separately
- achieve NEMA 12 and IP64 enclosure access requirements when combined with escutcheon gasket sold separately, part no. **315G**
- meets ADA requirements
- T-Handle design available, see part no. **350105** below





Small Handle with Spring Loaded Bolt Latch



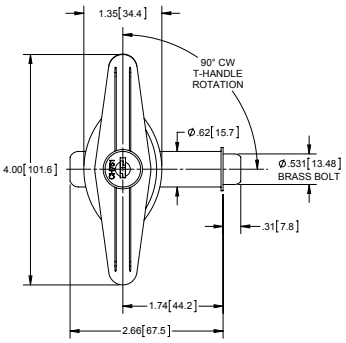
Part Number	Material	Finish
3550	die cast zinc	zinc plated

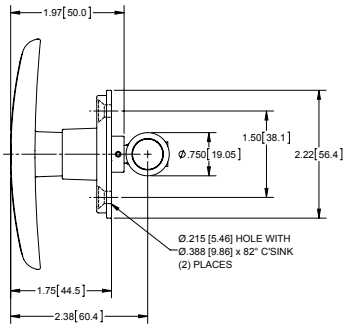
- bolt latch has steel, yellow zinc plated housing and brass bolt with mill finish
- commonly used on trash chute doors

Front Mount T-Handle with Slam Bolt Latch

Part Number	Mount	90° Rotation	Key Code	Description
350105	front	CW	CH751	key removable in both positions
350110	front	CW	CH751	key removable in locked position **only**

- material: die cast zinc
- finish: chrome
- L-Handle design available, see part no. **315105** & **315405** above
- mounting screws not supplied
- (2) ringed keys
- components may be purchased separately

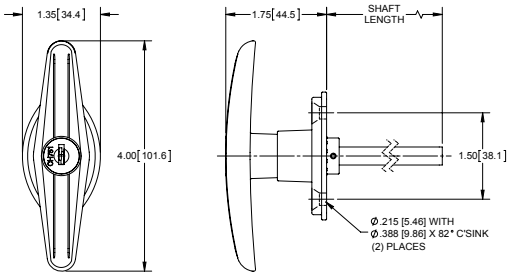


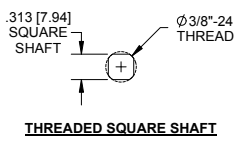


Front Mount T-Handles

Part No.	Mount	90° Rotation	Shaft Style	Shaft Length	Locking	Finish	Key Code
3501	front	CW	non-threaded	4.00 [101.6]	yes	chrome	CH751
3502	front	CC	non-threaded	4.00 [101.6]	yes	chrome	CH751
350104	front	CW	3/8"-24 thread	2.50 [63.5]	yes	black painted	CH751

- .313 [7.94] sq. shaft
- (2) keys
- material: die cast zinc
- mounting screws not supplied

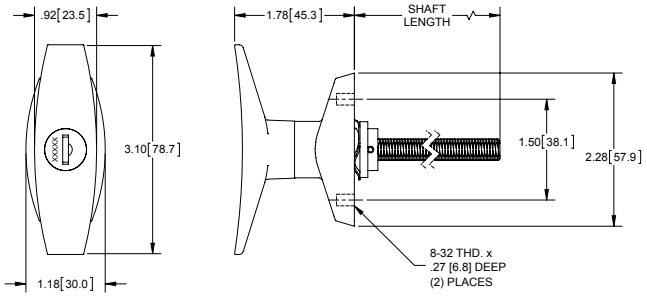


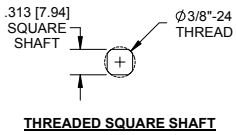


Blind Mount T-Handles

Part Number	Mount	90° Rotation	Shaft Style	Shaft Length	Locking	Finish	Key Code
3701	blind	CW	3/8" -24 thread	3.50 [88.9]	yes	chrome	CAT60
3702	blind	CC		3.50 [88.9]	yes	chrome	CAT60
3703	blind	CW		3.50 [88.9]	yes	brushed	CAT60
3704	blind	CC		3.50 [88.9]	yes	brushed	CAT60
3721	blind	CW		3.50 [88.9]	no	chrome	non-locking
3722	blind	CC		3.50 [88.9]	no	chrome	non-locking
3723	blind	CW		3.50 [88.9]	no	brushed	non-locking
3724	blind	CC		3.50 [88.9]	no	brushed	non-locking

- material: die cast zinc
- .313 [7.94] sq. shaft
- includes dust shutter
- each handle includes: (2) mounting screws, (1) nut, (1) lock washer, (2) keys
- gasket available separately, part no. **370G**
- CAT 15 key also available, but not typically stocked

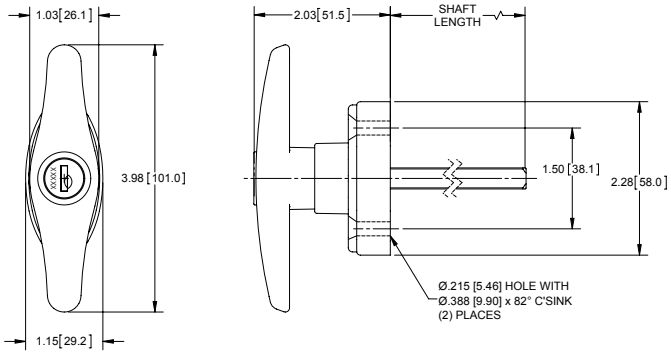




Front Mount T-Handles with Tall Escutcheon

Part Number	Mount	90° Rotation	Shaft Style	Shaft Length	Locking	Finish	Key Code
3801-01	front	CW	non-threaded	5.25 [133.4]	yes	chrome	CH751 - CH824
3801-02	front	CW		3.38 [85.9]	yes	chrome	CH777 - CH824
3802	front	CC		4.00 [101.6]	yes	black e-coat	CH751

- material: die cast zinc
- .313 [7.94] sq. shafts
- includes dust shutter
- (2) keys
- mounting screws not supplied

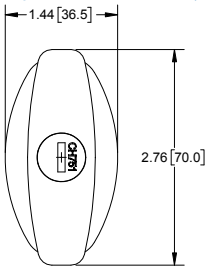


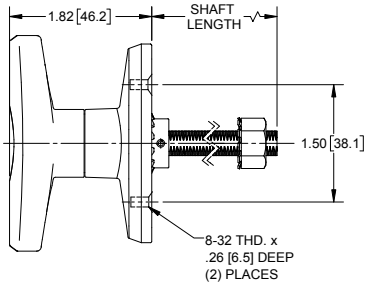
Blind Mount T-handles

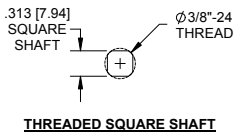
NEMA 12 IP64

Part No.	Mount	90° Rotation	Shaft Style	Shaft Length	Key Code	Finish
360601	blind	CW	3/8" -24 thread	4.00 [101.6]	CH751	chrome
360610		CC			CH751	
360602		CW			non-locking	
360611		CC			non-locking	
360601BK		CW			CH751	matte black powder coated
360610BK		CC			CH751	
360602BK		CW			non-locking	
360611BK		CC			non-locking	

- achieve NEMA 12 and IP64 enclosure access requirements when combined with escutcheon gasket sold separately, part no. **315G**
- material: die cast zinc
- .313 [7.94] sq. shaft
- includes dust shutter
- includes:
  (2) mounting screws
  (2) ringed keys
  (1) nut



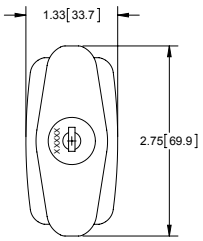


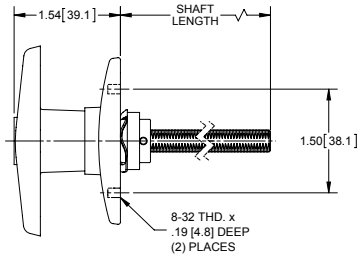


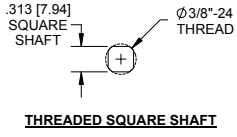
Blind Mount T-Handles

Part No.	Mount	90° Rotation	Shaft Style	Shaft Length	Key Code	Finish
3601	blind	CW	3/8" -24 thread	4.00 [101.6]	CH751	chrome
3602		CC			CH751	
360206		CC		2.50 [63.5]	CH751	brushed chrome
360207		CC			non-locking	
360203BK		CC		2.00 [50.8]	AH112	matte black
360204BK		CC			non-locking	

- material: die cast zinc
- .313 [7.94] sq. shaft
- gasket available separately as part no. **344G-01**
- includes:
  (2) mounting screws
  (2) keys



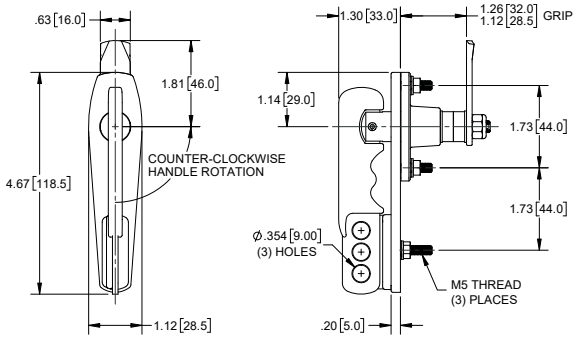


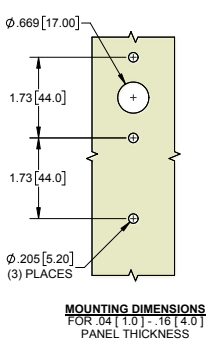


Padlocking Handle

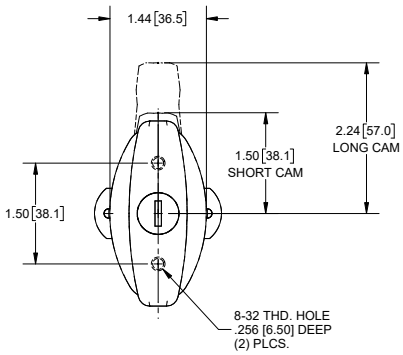
Part Number	Escutcheon		Handle	
	Material	Finish	Material	Finish
65BK-01	die cast zinc	matte black	steel with plastic over-mold	matte black powder coated

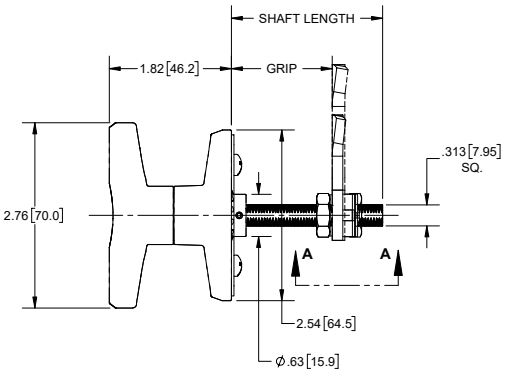
- includes cam & fasteners

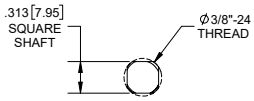


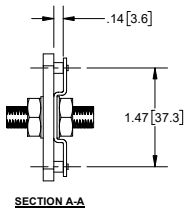


NEMA 12 IP64 Blind Mount T -Handles with 3-Point Cam





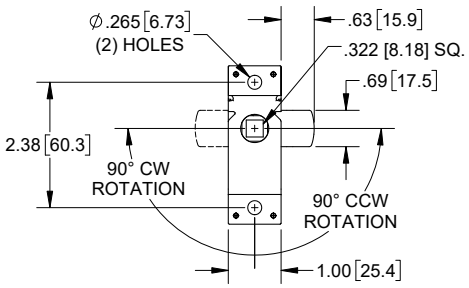


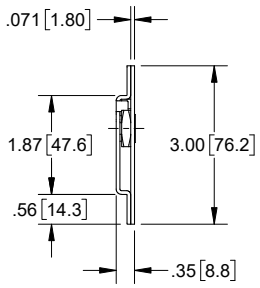


Part Number		Cam Type	Shaft Length	Grip	Rotation	Finish
Non-Locking	Locking Key Code CH751					
37BK-01	**38BK-01**	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]	90° CW	matte black powder coated
37BK-01L	**38BK-01L**	long				
37BK-02	**38BK-02**	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]		
37BK-02L	**38BK-02L**	long				
37BK-03	**38BK-03**	short	2.25 [57.2]	.63 [16.0] -1.75 [44.5]		
37BK-03L	**38BK-03L**	long				
37BK-04	**38BK-04**	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]	90° CC	matte black powder coated
37BK-04L	**38BK-04L**	long				
37BK-05	**38BK-05**	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]		
37BK-05L	**38BK-05L**	long				
37BK-06	**38BK-06**	short	2.25 [57.2]	.63 [16.0] -1.75 [44.5]		
37BK-06L	**38BK-06L**	long				
37CH-01	**38CH-01**	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]	90° CW	chrome plated
37CH-01L	**38CH-01L**	long				
37CH-02	**38CH-02**	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]		
37CH-02L	**38CH-02L**	long				
37CH-03	**38CH-03**	short	2.25 [57.2]	.63 [16.0] -1.75 [44.5]		
37CH-03L	**38CH-03L**	long				
37CH-04	**38CH-04**	short	1.25 [31.8]	.63 [16.0] - .75 [19.1]	90° CC	chrome plated
37CH-04L	**38CH-04L**	long				
37CH-05	**38CH-05**	short	1.75 [44.5]	.63 [16.0] - 1.25 [31.8]		
37CH-05L	**38CH-05L**	long				
37CH-06	**38CH-06**	short	2.25 [57.2]	.63 [16.0] -1.75 [44.5]		
37CH-06L	**38CH-06L**	long				

- material: die cast zinc
- locking handles include (2) ringed keys, key code CH751
- handles are blind-mount and include (2) 8-32 x .25 [6.4] long mounting screws, cam, nuts, washers, & gasket
- may be used with part number **723** rod, pg. 63

Bidirectional Compartment Latches for 5/16 Shaft

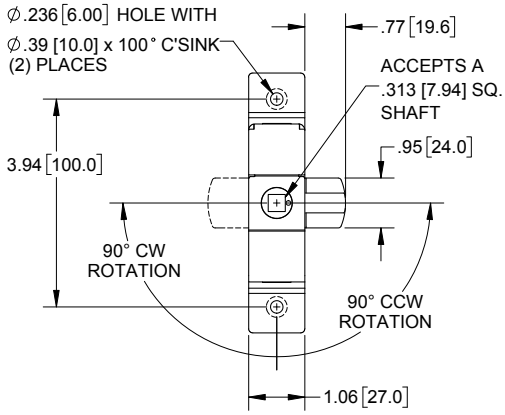


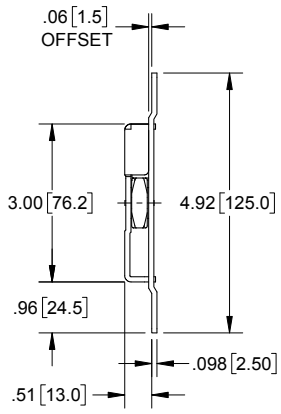


Part Number	Material	Finish
715	steel	zinc plated
715SS	304SS	passivated

- cam rotates 180°
- cam detents every 90°
- can be used as left hand or right hand

Center Case Latch for 5/16 Shaft

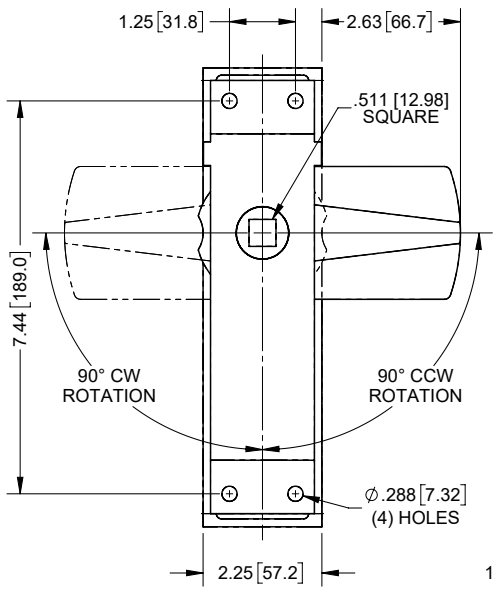


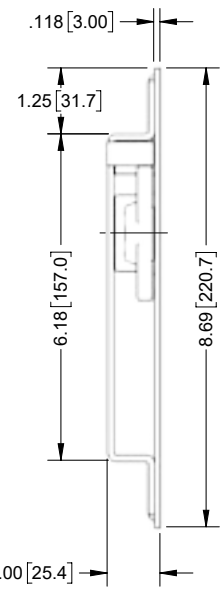


Part Number	Material	Finish
753	steel	zinc plated

- cam rotates 180°
- cam detents every 90°
- can be used as left hand or right hand

Bi-directional Center Case Latch for 1/2 [13] Sq. Shaft





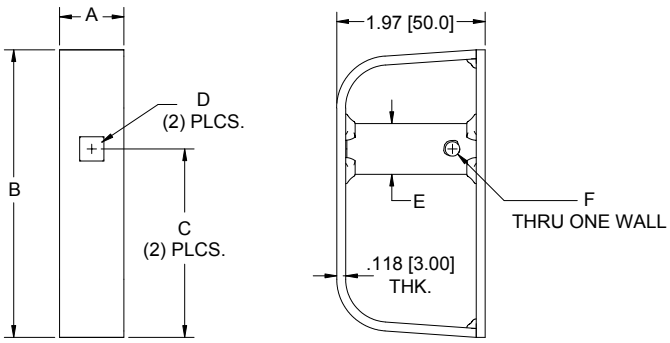
Part Number	Material	Finish
730-51	steel	zinc plated

- cam rotates 180°
- cam detents every 90°
- can be used as left hand or right hand
- no override

Inside Handles for Storage Shed

Part Number	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F
365-01	.85 [21.7]	3.81 [96.9]	2.50 [63.5]	.322 [8.18] sq	Ø.67 [17.1]	M6x1 THD.
365-02	1.18 [30.0]	5.00 [127.0]	3.37 [85.70]	.511 [13.0] sq	Ø1.05 [26.67]	1/4-20 THD.

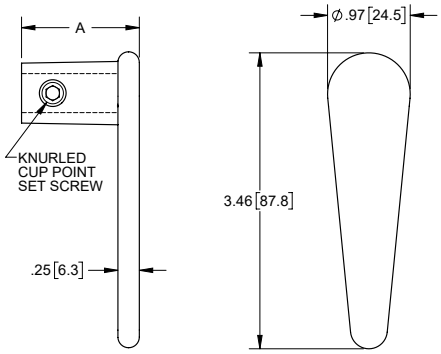
- material: steel finish: zinc plated
- **365-01** handle attaches to .313 [7.94] sq. shaft by tightening included set screw
- **365-02** handle attaches to .500 [12.70] shaft by tightening included set screw



Inside L-Handles

Part Number	Material	Finish	Dim A
354	die cast zinc	hand polished chrome plated	1.38 [35.0]
354-01	die cast zinc	hand polished chrome plated	.88 [22.4]

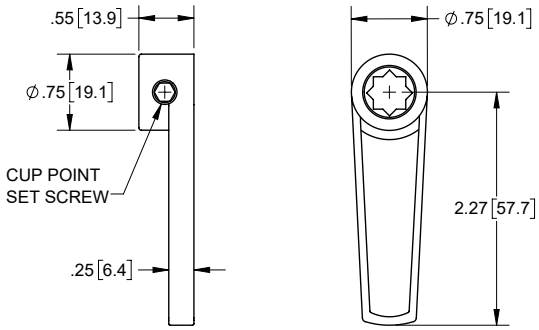
- handle attaches to .313 [7.94] sq. shaft by tightening included set screw



Light Duty Inside L-Handles

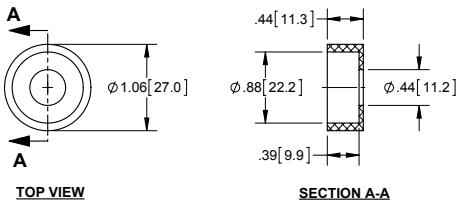
Part Number	Material	Finish
352	die cast zinc	mill
352CH	die cast zinc	chrome plated

- handle attaches to .313 [7.94] sq. shaft by tightening included set screw



Cam Spacer

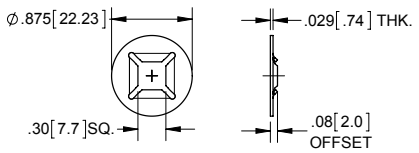
Part No.	Material	Finish
319	nylon	black



Push-on Nut

Part No.	Material	Finish
359	steel	Phosphate

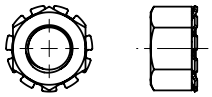
- for use on .313 [7.94] sq. shafts



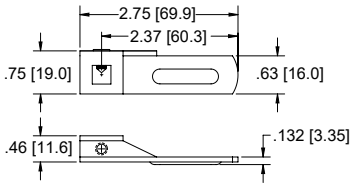
3/8" - 24 Keps Nut

Part No.	Material	Finish
361	steel	zinc plated

- for use on threaded .313 [7.94] sq. shafts



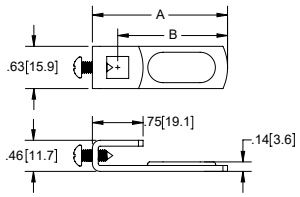
Single Point Cam



Part Number	Material	Finish
C3	steel	yellow zinc plated

▸ for .313 [7.94] sq. shaft

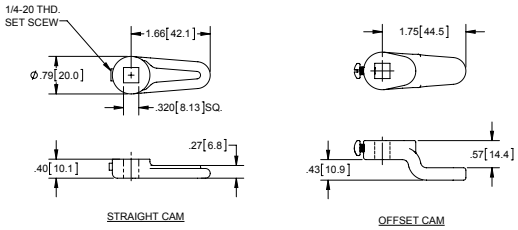
Single Point Cams



Part Number	Material	Finish	A	B
C14	steel	zinc plated	2.00 [50.8]	1.63 [41.4]
C16	steel	zinc plated	3.00 [76.2]	2.63 [66.8]

▸ for .313 [7.94] sq. shaft

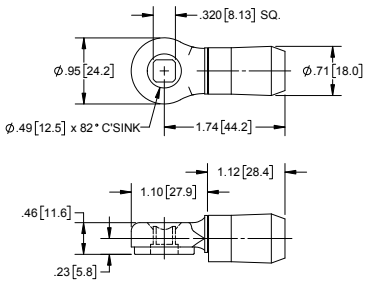
Single Point Cams



Part Number	Style	Material	Finish
C15	straight	die cast zinc	mill
C15-01	offset	die cast zinc	zinc plated

▸ for .313 [7.94] sq. shaft

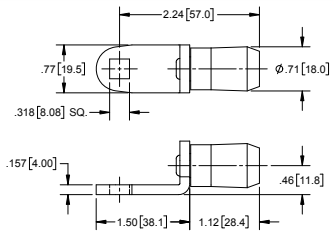
Roller Cam



Part Number	Material	Finish
697	die cast zinc/plastic	zinc/black

▸ for .313 [7.94] sq. shaft

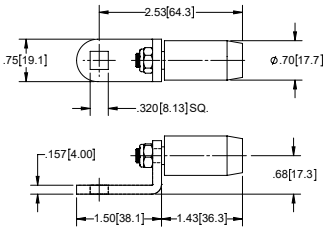
Roller Cam



Part Number	Material	Finish
697-01	304SS/plastic	passivated/black

▸ for .313 [7.94] sq. shaft

Roller Cam

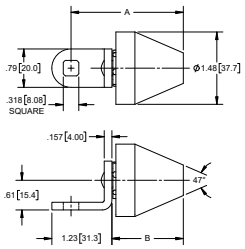


Part Number	Material	Finish
698	steel/plastic	zinc/black

▸ for .313 [7.94] sq. shaft

Roller Cams

short roller (**p/n 696-01**) shown



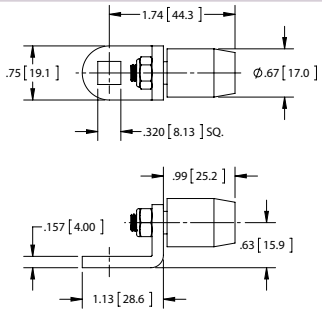
Part No.	Material	Finish	Description	A	B
696	steel/ plastic	zinc/ black	long roller	1.38 [35.1]	1.46 [37.2]
696-01	steel/ plastic	zinc/ black	short roller	.87 [22.0]	.96 [24.4]

▸ for .313 [7.94] sq. shaft

Roller Cams

Part Number	Material	Finish	Roller Mounting
699	steel/plastic	zinc/natural	nut
699-50	steel/plastic	zinc/natural	riveted

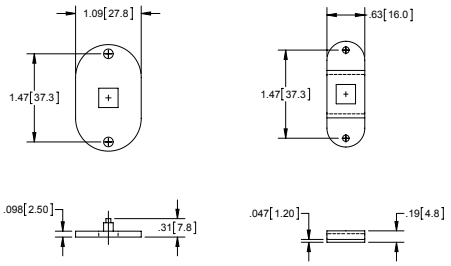
- for .313 [7.94] sq. shaft



Two Point Cam and Cover Kit

Part Number	Material	Finish
C4-01	steel	zinc plated

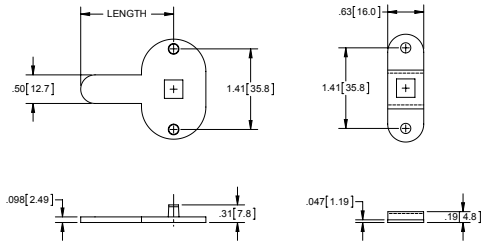
- for .313 [7.94] sq. shaft
- use with part no. **723** rods, pg. 63
- cam and cover kits are shipped separately in bulk



Three Point Cam and Cover Kit

Part Number	Length	Material	Finish
C8-01	2.50 [63.5]	steel	zinc plated
C8-02	2.13 [54.1]	steel	zinc plated

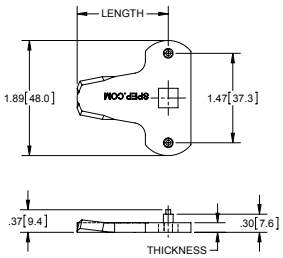
- for .313 [7.94] sq. shaft
- use with part no. **723** rods, pg. 63
- cam and cover kits are shipped separately in bulk



Three Point Cams

Part Number	Length	Thickness	Material	Finish
C21	1.50 [38.1]	.157 [4.00]	steel	zinc plated
C22	2.25 [57.2]	.189 [4.80]	steel	zinc plated

- for .313 [7.94] sq. shaft
- use with part no. **723** rods, pg. 63
- cam cover available, part no. **C5**

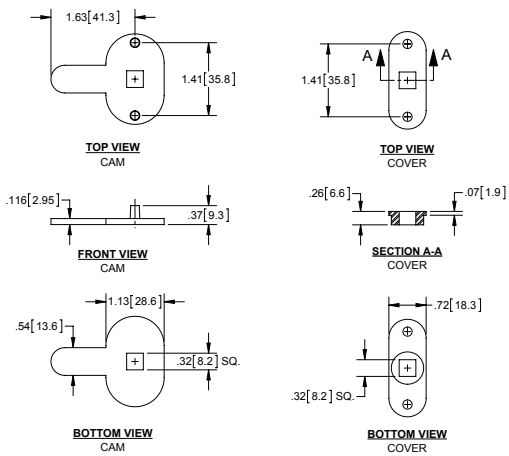


Three Point Cam Kit

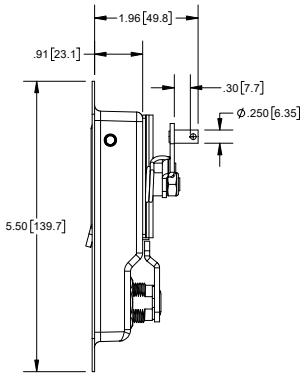
Part Number	Material	Finish
C11-01	die cast zinc	zinc plated

- for .313 [7.94] sq. shaft
- use with part no. **723** rods, pg. 63

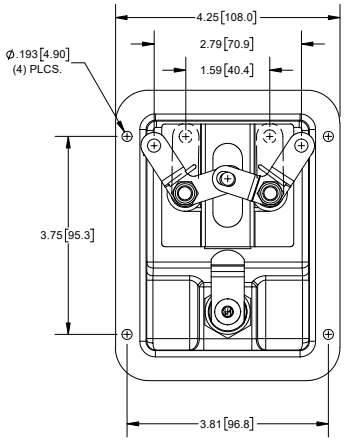
refer to pg. 47 for more Compatible Accessories for Square Shafted Handles



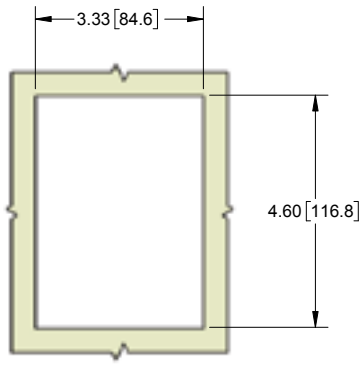
Two-Point Standard Paddle Handles, Flush Mounted



RIGHT SIDE VIEW



BACK VIEW



MOUNTING DIMENSIONS

Part Number	Mounting Holes	Material	Finish	Lock Included
471	no	steel	electro-galvanized	no
471-DB ‡	no	steel	electro-galvanized	yes
473	yes	304SS	polished	no
473-DB ‡	yes	304SS	polished	yes

- slide bar latches may be used with two-point standard paddle handle. See pg. 99 for details
- for use with rod or cable system (see page 63 for rods and accessories
- lock sold separately (see available codes below)
- ‡ includes double-bitted lock and keys. See table below for key codes

NEW PRODUCT FAMILY

Available Key Codes

Part Number	Key Code
PMCH545	CH545
PMSP1	SP1

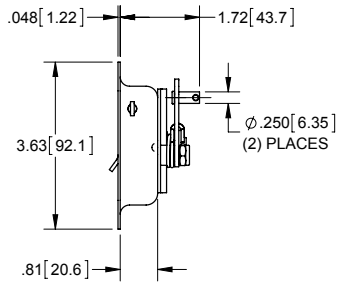
Part Number	Key Code	Part Number	Key Code
PMDB-01	01	**PMDB-06**	06
PMDB-02	02	**PMDB-07**	07
PMDB-03	03	**PMDB-08**	08
PMDB-04	04	**PMDB-09**	09
PMDB-05	05	**PMDB-10**	10

- double bitted
- double bitted

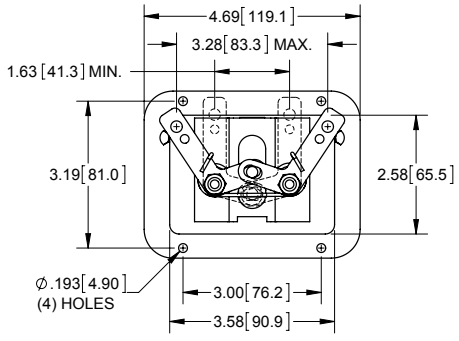
Two-Point Flush Paddle Handle

Part Number	Material	Finish
402	steel	semi-gloss black powder coated

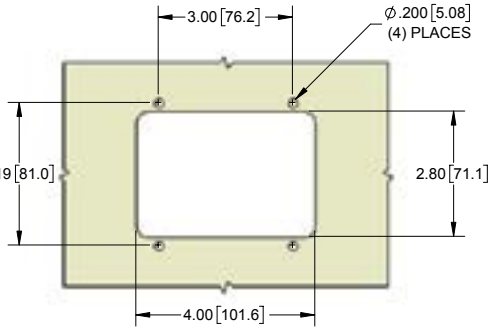
- for use with rod or cable system (see page 63 for rods and accessories)



SIDE VIEW



REAR VIEW



MOUNTING DIMENSIONS

Accessories (Sold Separately)

Standard Paddle Handle Gasket

Part No.	Material	Finish
450G	neoprene	black

Inside Release Ring

Part No.	Material	Finish
4ZN	steel	zinc plated
4SS	316SS	passivated

- for junior paddle handles only

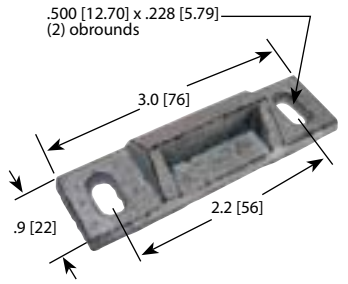
Inside Release Knob

Part No.	Material	Finish
4PL	plastic	zinc plated

- for junior and standard paddle handles

Striker

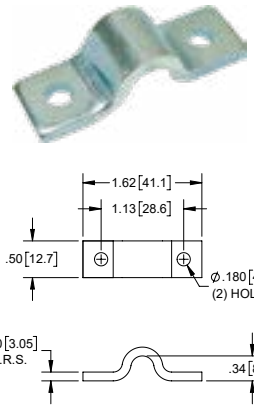
Part No.	Material	Finish
40ZN	sand cast steel	zinc plated



- for junior and standard paddle handles

Guide for a Ø5/16 [8.0] Connecting Rod

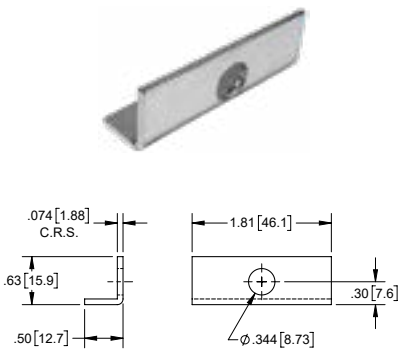
Part No.	Material	Finish
724	steel	zinc plated



- use with rods at the bottom of this page

Guide for a Ø5/16 [8.0] Connecting Rod

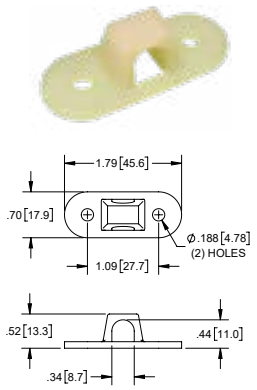
Part No.	Material	Finish
725	steel	zinc plated



- use with rods at the bottom of this page

Guide for a Ø5/16 [8.0] Connecting Rod

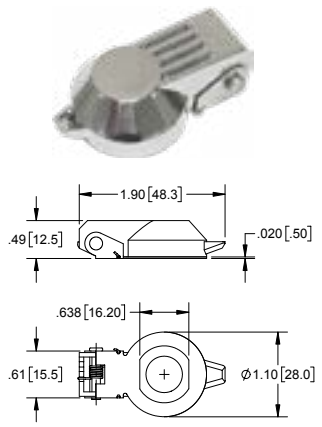
Part No.	Material	Finish
726	nylon	white



- use with rods at the bottom of this page

Cam Lock Dust Cover

Part No.	Material	Finish
K220	die cast zinc	chrome



- use with rods at the bottom of this page

Cotter Pin

Part No.	Description
XF12-01	3/32 dia. x 1/2 long

- steel, zinc plated
- used to connect rods with folding T-handles

Clevis Pin

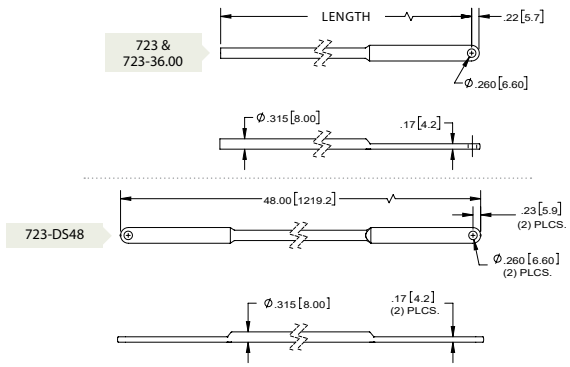
Part No.	Description
XF13-01	1/4 dia. x 1/2 long

- steel, zinc plated
- used to connect rods with folding T-handles

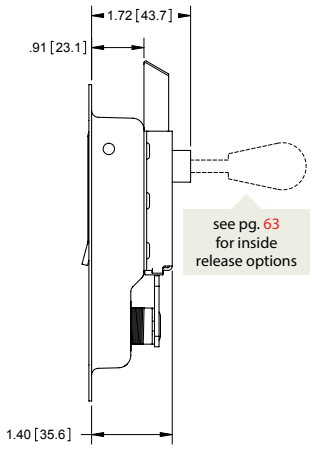
Ø5/16 [8.0] Connecting Rods

Part No.	Material	Finish	Length	Description
723	steel	zinc plated	48.00 [1219.2]	1 flat end
NEW **723-36.00**	steel	zinc plated	36.00 [914.4]	1 flat end
NEW **723-DS48**	steel	zinc plated	48.00 [1219.2]	2 flat ends

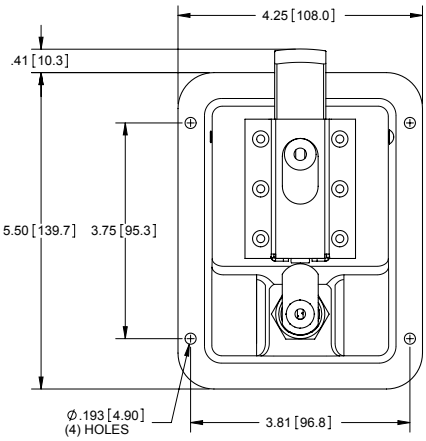
- custom lengths can be made to your specification



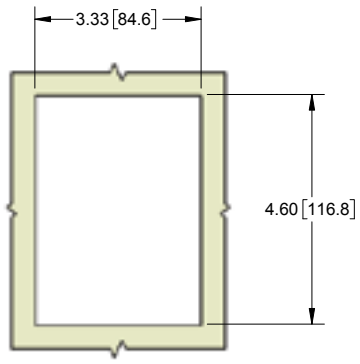
Standard Paddle Handles with Inside Release



RIGHT SIDE VIEW



BACK SIDE VIEW



MOUNTING DIMENSIONS

Part Number	Locking or Non-locking	Mounting Holes	Material	Finish	Lock Included
460	non-locking	no	steel	electro-galvanized	no
460H	non-locking	yes	steel	electro-galvanized	no
461	locking	no	steel	electro-galvanized	no
461-DB ‡	locking (double-bitted)	no	steel	electro-galvanized	yes
461NR*	locking	no	steel	electro-galvanized	no
461NR-DB* ‡	locking (double-bitted)	no	steel	electro-galvanized	yes
461H	locking	yes	steel	electro-galvanized	no
461H-DB ‡	locking (double-bitted)	yes	steel	electro-galvanized	yes
461HNR*	locking	yes	steel	electro-galvanized	no
461HNR*-DB ‡	locking (double-bitted)	yes	steel	electro-galvanized	yes
462	non-locking	yes	304SS	hand polished	no
463	locking	yes	304SS	hand polished	no
463-DB ‡	locking (double-bitted)	yes	304SS	hand polished	yes
463NR*	locking	yes	304SS	hand polished	no
463NR*-DB ‡	locking (double-bitted)	yes	304SS	hand polished	yes

- (*) these handles have threaded holes for inside release option shown on pg. 63 (sold separately)
- flush mounted
- bolts are made of die cast zinc
- cam locks are sold separately (see standard paddle handle tables below)
- ‡ includes double-bitted lock and keys. See table below for key codes
- pan thickness: 18 gauge

NEW PRODUCT FAMILY

Lock Sold Separately for Standard Paddle Handles

Part Number	Key Code
PNDB-01	01
PNDB-02	02
PNDB-03	03
PNDB-04	04
PNDB-05	05

- double bitted

Part Number	Key Code
PNDB-06	06
PNDB-07	07
PNDB-08	08
PNDB-09	09
PNDB-10	10

- double bitted

Part Number	Key Code
PNBH034	BH034
PNCH501	CH501
PNCH502	CH502
PNCH503	CH503
PNCH504	CH504
PNCH507	CH507

Part Number	Key Code
PNCH509	CH509
PNCH510	CH510
PNCH545	CH545
PNLL72	LL72
PNSP1	SP1

Junior Paddle Handles with Inside Release

Part Number Standard Bolt	Part Number Flat Bolt	Locking or Non-locking	Mounting Holes	Material	Finish
404	**404A**	non-locking	no	steel	pre-coat
404H	**404AH**	non-locking	yes	steel	pre-coat
404H02	---	non-locking	yes	steel	matte black
405	**405A**	locking	no	steel	pre-coat
405-DB ‡	**405A-DB ‡**	locking (double bitted)	no	steel	pre-coat
405H	**405AH**	locking	yes	steel	pre-coat
405H-DB ‡	**405AH-DB ‡**	locking (double bitted)	yes	steel	pre-coat
40502 ▲	---	locking (CH545)	no	steel	pre-coat
40502-DB ‡	---	locking (double bitted)	no	steel	pre-coat
40502ZN ▲	---	locking (CH545)	no	steel	zinc plated
40502ZN-DB ‡	---	locking (double bitted)	no	steel	zinc plated
40502SS ▲	---	locking	no	304SS	brushed
407	**407A**	locking	yes	304SS	hand polished
407-DB ‡	**407A-DB ‡**	locking (double bitted)	yes	304SS	hand polished
NEW **407CH545**	---	locking (CH545)	yes	304SS	hand polished
408	**408A**	non-locking	yes	304SS	hand polished
40801 ▲	---	non-locking	no	304SS	brushed

- SP1 key code supplied unless otherwise specified (see additional key codes tables below)
- ▲ latch retaining clip included
- handles can be used with an optional inside release to allow handle to be opened from interior of enclosure, see pg. 63
- electro-galvanized surface allows better paint adhesion than a zinc plated surface
- all bolts are made of die cast zinc
- neoprene gasket available (part no. **400G**)
- suggested cut-out hole: 2.75 [69.9] x 3.88 [98.6]
- ‡ includes double-bitted lock and keys. See table below for key codes
- pan thickness: 18 gauge

▲ part no.
40502
40502ZN
40502SS
40801

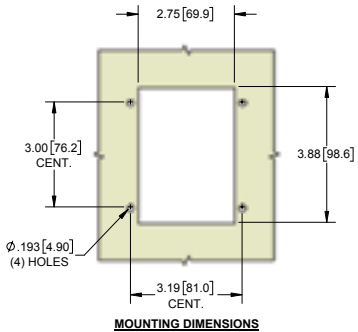
Junior Paddle Handle Additional Key Codes Available Upon Request

Part Number	Key Code	Part Number	Key Code
PLSCH509	CH509	**PLSCH501**	CH501
PLSCH510	CH510	**PLSCH502**	CH502
PLSCH545	CH545	**PLSCH503**	CH503
PLSCH751	CH751	**PLSCH504**	CH504
PLSSP1	SP1	**PLSCH507**	CH507

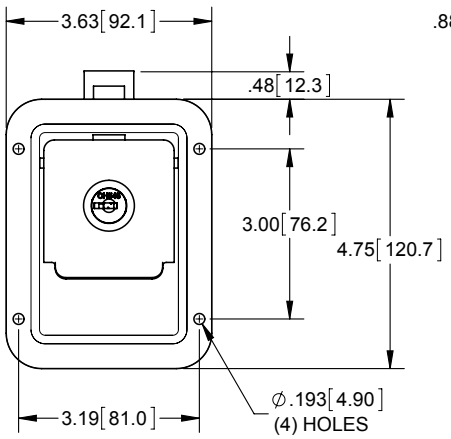
NEW PRODUCT FAMILY

Part Number	Key Code	Part Number	Key Code
PLSDB-01	01	**PLSDB-06**	06
PLSDB-02	02	**PLSDB-07**	07
PLSDB-03	03	**PLSDB-08**	08
PLSDB-04	04	**PLSDB-09**	09
PLSDB-05	05	**PLSDB-10**	10

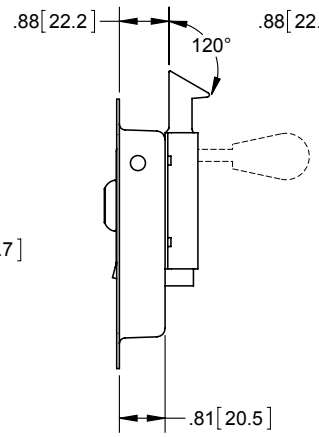
- double bitted
- double bitted



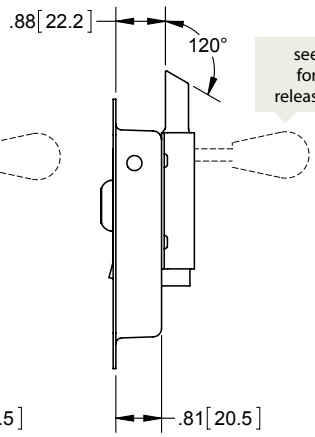
MOUNTING DIMENSIONS



FRONT VIEW



RIGHT SIDE VIEW
STANDARD BOLT



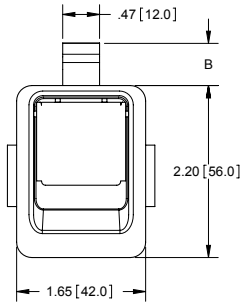
RIGHT SIDE VIEW
FLAT BOLT

see pg. 63 for inside release options

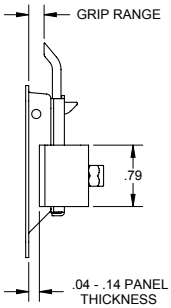
304SS Small Paddle Handles with Brushed Finish

Part No.	Grip Range (min. - max.)	Dim B	Cut-out Dim C (min. - max.)
454SS01	.05 [1.2] - .08 [2.0]	.45 [11.5]	.41 [10.4] - .50 [12.7]
454SS02	.08 [2.0] - .11 [2.8]	.48 [12.0]	.44 [11.2] - .53 [13.5]
454SS03	.11 [2.8] - .14 [3.6]	.48 [12.0]	.47 [11.9] - .56 [14.2]
454SS	.14 [3.6] - .16 [4.1]	.54 [13.8]	.35 [9.0] - .39 [10.0]

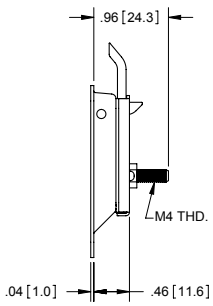
- includes mounting bracket and nylon lock nut
- low profile design



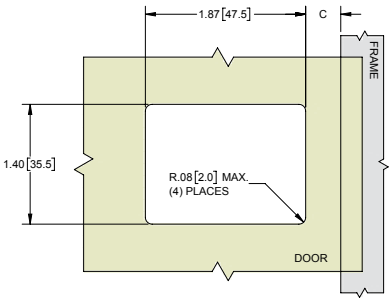
FRONT VIEW
WITH MOUNTING BRACKET



RIGHT SIDE VIEW
WITH MOUNTING BRACKET



RIGHT SIDE VIEW
WITHOUT MOUNTING BRACKET

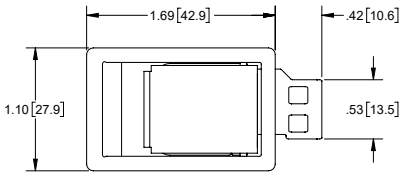


MOUNTING DIMENSIONS

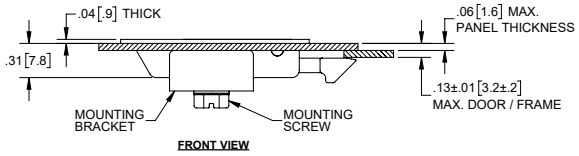
304SS Small Paddle Handle with Plastic Bolt NEW

Part No.	Material	Finish	Grip Range (min. - max.)
452SS	304SS	brushed, passivated	.125 [3.20] - .132 [3.35]

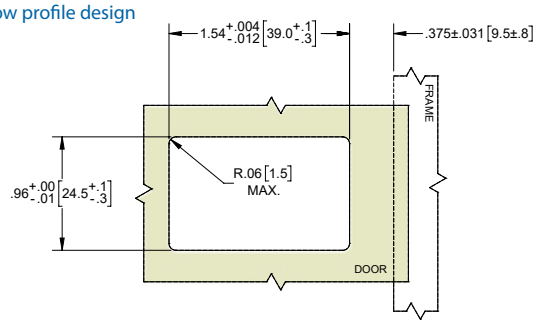
- includes mounting bracket and hex screw
- low profile design



TOP VIEW



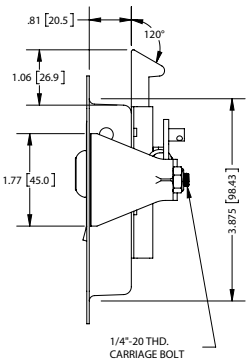
FRONT VIEW



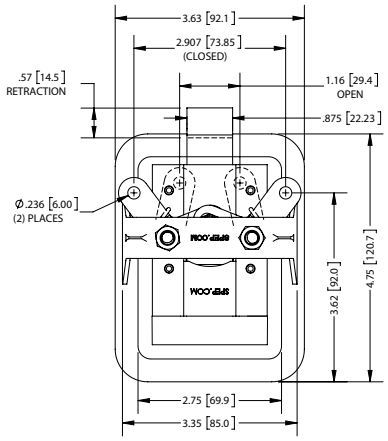
MOUNTING DIMENSIONS

Junior 3-Point Paddle Handle NEW

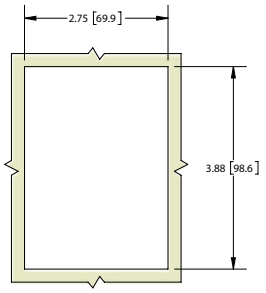
Part No.	Material	Finish	Pan Thickness	Key Code
40502BK01	steel	black powder coated	18 gauge	CH545



SIDE VIEW



REAR VIEW

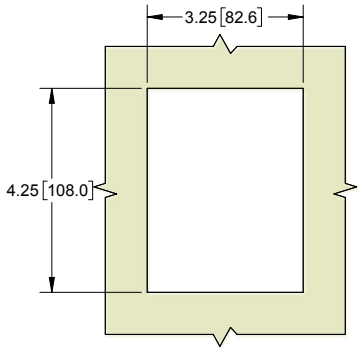


MOUNTING DIMENSIONS

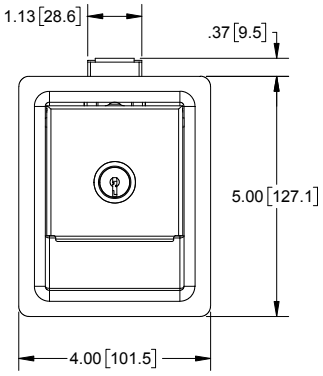
Large Paddle Handles

Part Number	Material	Finish	Pan Thickness	Key Code
466BK	steel	black powder coated	15 gauge	non-locking
466BK-LK	steel	black powder coated	15 gauge	K160

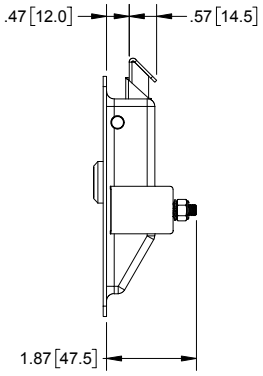
- stamped bolt construction



MOUNTING DIMENSIONS



FRONT VIEW

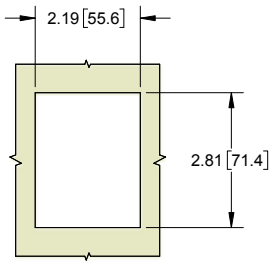


RIGHT SIDE VIEW

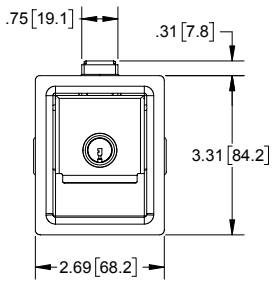
Medium Paddle Handles

Part Number	Material	Finish	Pan Thickness	Key Code
465BK	steel	black powder coated	18 gauge	non-locking
465BK-LK	steel	black powder coated	18 gauge	K330

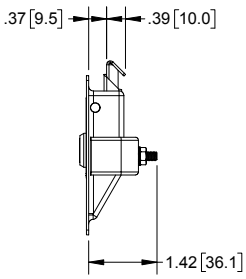
- stamped bolt construction



MOUNTING DIMENSIONS



FRONT VIEW

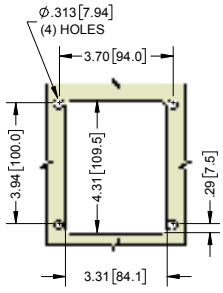


RIGHT SIDE VIEW

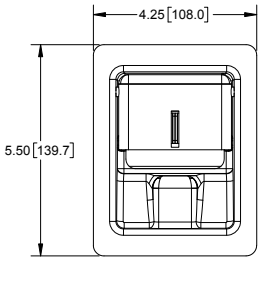
Paddle Handle with Padlock Tab

Part Number	Material	Finish	Pan Thickness	Key Locking
467BK-01	steel	zinc plated then black powder coated	18 gauge	no

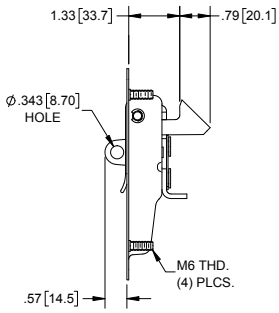
- accepts up to 5/16" padlock



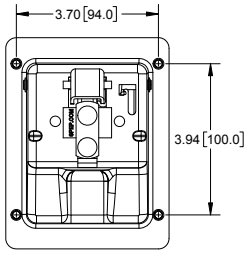
MOUNTING DIMENSIONS



FRONT VIEW



RIGHT SIDE VIEW

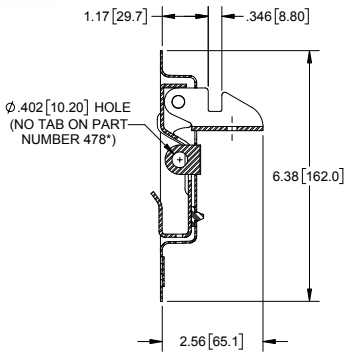


REAR VIEW

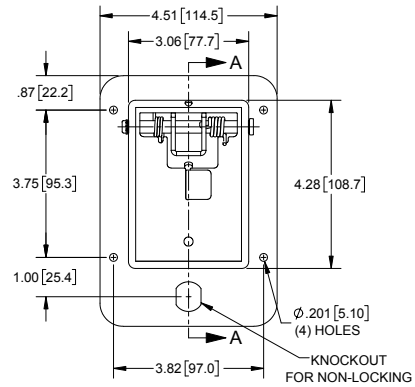
Paddle Handles with Padlock Tab

Part No.	Material	Finish	Cam Lock / Key Code	Pan Thickness	Mounting Holes
474	steel	black powder coated	none	18 gauge	yes
474-CH751	steel	black powder coated	CH751	18 gauge	yes

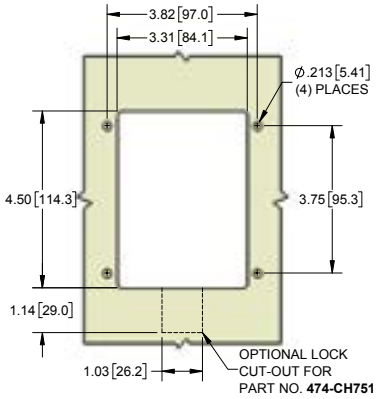
- pivoting catch allows for door and frame flexing on off-road and agricultural vehicles
- spring loaded components prevent vibration
- reverse paddle design allows for use on top hinged doors
- non-locking latch has a knockout covering hole
- accepts up to 3/8" padlock



SECTION A-A



BACK SIDE VIEW

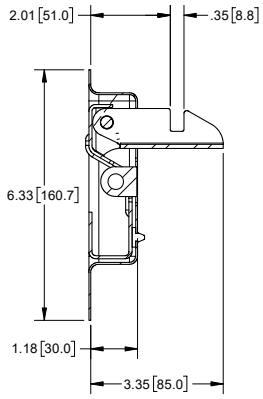


MOUNTING DIMENSIONS

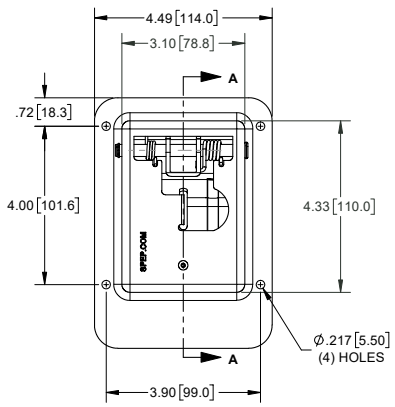
Padlockable Paddle Handle

Part No.	Material	Finish	Cam Lock / Key Code	Pan Thickness	Mounting Holes
474-04	steel	black powder coated	none	18 gauge	yes

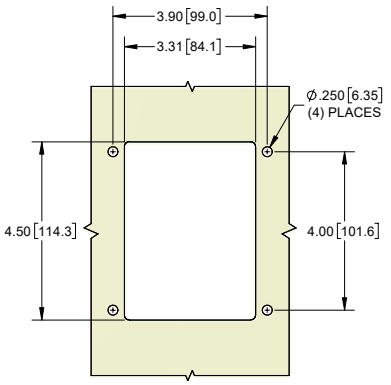
- pivoting catch allows for door and frame flexing on off-road and agricultural vehicles
- spring loaded components prevent vibration
- reverse paddle design allows for use on top hinged doors
- accepts up to 3/8" padlock



SECTION A-A



REAR VIEW

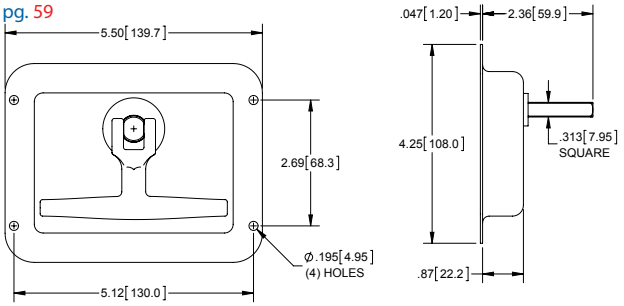


MOUNTING DIMENSIONS

Single Point T-Handles

Part No.	Material	Finish	Holes	Pan Thickness
491	steel	zinc plated	yes	18 gauge
491SS	304SS, pan only	polished	yes	18 gauge

- 360° handle rotation
- die cast zinc handle
- see accessories starting on pg. 58
- use cams on pg. 60 & 61
- use push-on nut on pg. 59

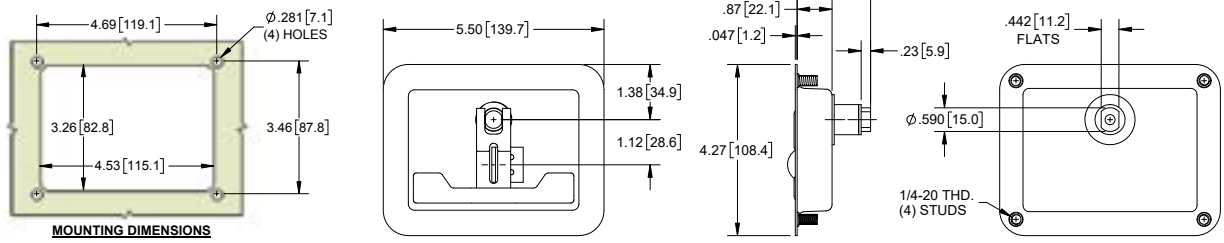


MOUNTING DIMENSIONS

Single Point Folding T-Handle

Part Number	Material	Finish
495-01	304SS pan	deburred

- die cast zinc handle
- 18 gauge pan
- includes mounting hardware
- accepts up to 3/8" padlock

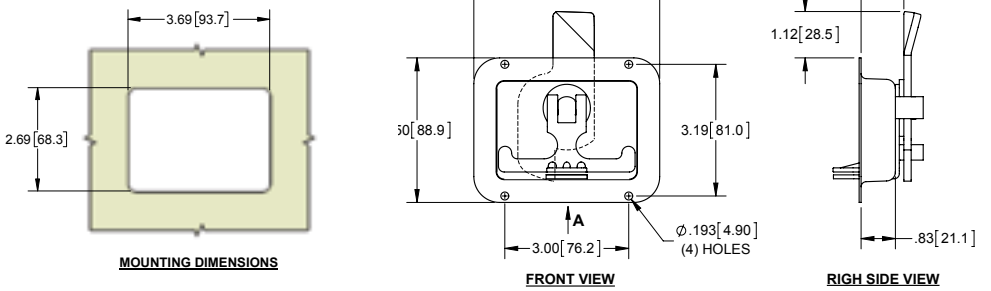


MOUNTING DIMENSIONS | FRONT VIEW | RIGHT SIDE VIEW | REAR VIEW

Single Point Padlocking T-Handles

Part Number	Material / Finish	Mounting Holes
481P	steel / zinc	no
481PSS	304SS pan only / polished	yes

- 18 gauge pan thickness
- die cast zinc handle
- accepts up to 5/16" padlock

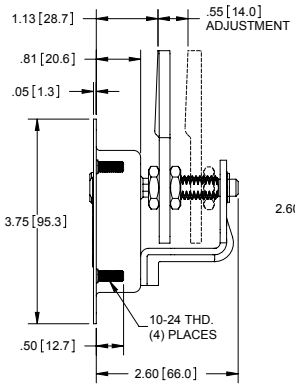


MOUNTING DIMENSIONS | VIEW A-A | FRONT VIEW | RIGH SIDE VIEW

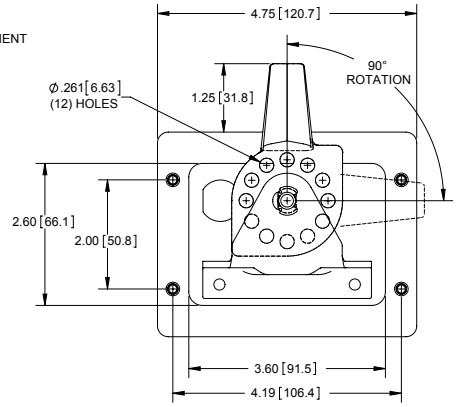
Single Point Folding T-Handles

Part Number	Key Code	Pan Thickness	Finish
486RH-01	non-locking	18 gauge	matte black powder coated
486LH-01	non-locking		
486RH-751	CH751		zinc plated
486LH-751	CH751		

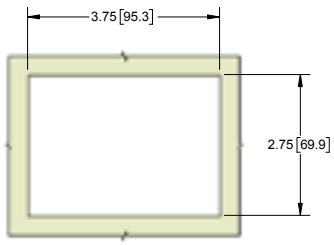
- material: steel
- locking part numbers include cam lock with (2) ringed keys
- cam has multiple holes for optional multi-point installation
- features adjustable cam
- see page 63 for rods



RIGHT SIDE VIEW
RIGHT HAND SHOWN



REAR VIEW
RIGHT HAND SHOWN



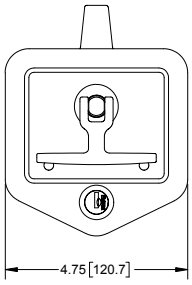
MOUNTING DIMENSIONS

Single Point Locking T-Handle with Offset Cam

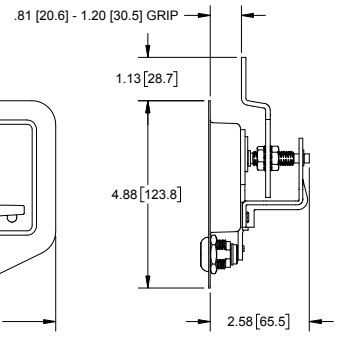
replacement cam locks available. see table below.

Part Number	Key Code	Equivalent Key Code	Pan Material/ Finish	Holes	Pan Thickness	Handle Material
484-502-01	EM502	CH502	430SS pan only / polished	no	18 gauge	die cast zinc

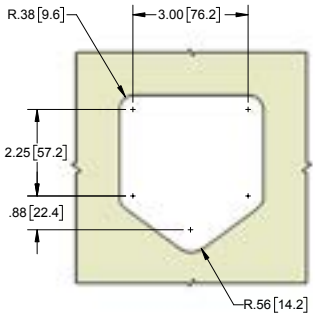
- features adjustable cam



FRONT VIEW



RIGHT SIDE VIEW



MOUNTING DIMENSIONS

Replacement Cam Locks

NEW PRODUCT FAMILY

Part Number	Key Code	Equivalent	Part Number	Key Code	Part Number	Key Code
LCEM501	EM501	CH501	**LCDB-01**	01	**LCDB-06**	06
LCEM502	EM502	CH502	**LCDB-02**	02	**LCDB-07**	07
LCEM545	EM545	CH545	**LCDB-03**	03	**LCDB-08**	08
LCEM751	EM751	CH751	**LCDB-04**	04	**LCDB-09**	09
			LCDB-05	05	**LCDB-10**	10
			▸ double bitted		▸ double bitted	

Folding T-Handle Gasket

Part Number	Description
480G	folding T-handle gasket

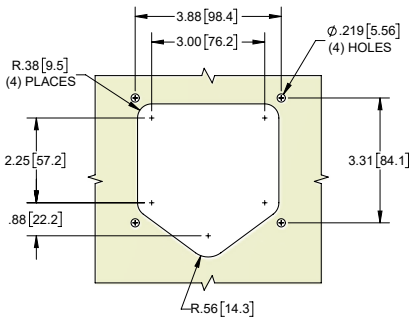
- for use with part no. **484-502-01** and T-handles on page 71

Three-Point Locking T-Handles

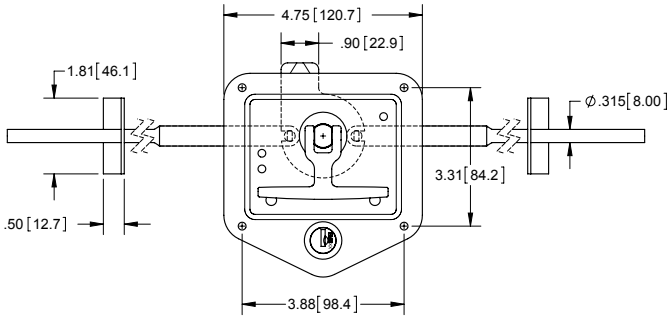
Part Number	Key Code	Equivalent Key Code	Material/ Finish	Holes	Pan Thickness	Handle Material
475-501	EM501	CH501	steel / zinc plated	no	18 gauge	die cast zinc
475-502	EM502	CH502		no		
475-545	EM545	CH545		no		
475-DB ‡	double bitted (10 codes available)			no		
476-501-01	EM501	CH501	steel / chrome plated	yes	18 gauge	die cast zinc
477-501	EM501	CH501	304SS pan only / polished	yes	18 gauge	die cast zinc
477-502	EM502	CH502		yes		
477-545	EM545	CH545		yes		
477-DB ‡	double bitted (10 codes available)			yes		

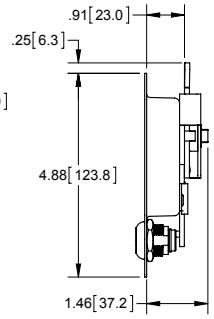
- includes (2) Ø.315 [8.00] x 48 [1,219] long rods, zinc plated and rod guides
- ‡ includes double-bitted lock and keys (**10** key codes available)
- gasket part no. **480G**, see page 70

replacement cam locks available. see table at the bottom of the pg. 70



MOUNTING DIMENSIONS





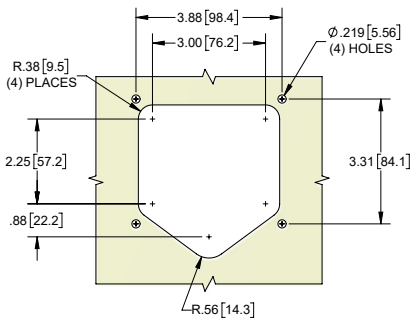
Single-Point Locking T-Handles

Part Number	Key Code	Equivalent Key Code	Material/ Finish	Mounting	Pan Thickness	Handle Material
480-501	EM501	CH501	steel / zinc plated	none	18 gauge	die cast zinc
480-502	EM502	CH502		none		
480-545	EM545	CH545		none		
480-751	EM751	CH751		none		
480-DB ‡	double bitted (10 codes available)			none		
484-751	EM751	CH751	430SS pan only / polished	holes	18 gauge	die cast zinc
484-501	EM501	CH501		holes		
484-502	EM502	CH502		holes		
484-545	EM545	CH545		holes		
484-DB ‡	double bitted (10 codes available)			holes		
494-501-01	EM501	CH501		threaded studs		
494-545-01	CH545	---		threaded studs		

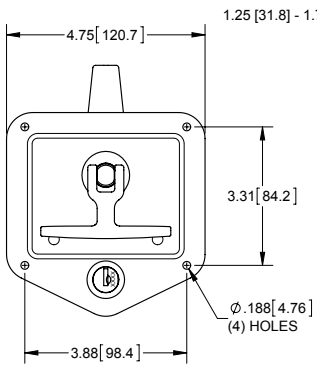
parts no. **494-501-01** and **494-545-01** have *threaded studs* and a gasket as shown.

- cam has multiple holes for optional multi-point installation
- features adjustable cam
- ‡ includes double-bitted lock and keys (**10** key codes available)
- gasket part no. **480G**, see page 70
- see page 63 for rods

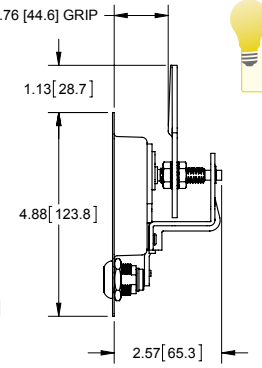
replacement cam locks available. see table at the bottom of the pg. 70



MOUNTING DIMENSIONS



FRONT VIEW



RIGHT SIDE VIEW

FOLDING T-HANDLES

497 SERIES

PAT.

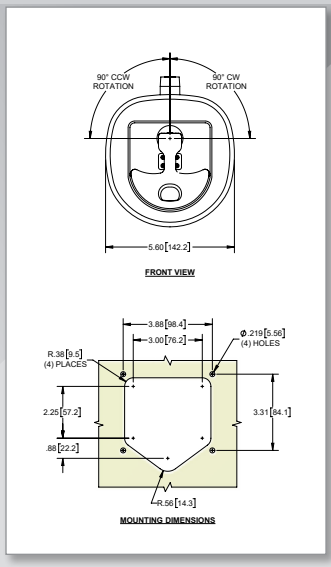
MULTI-POINT PADLOCKING WITH ADJUSTABLE NYLON ROLLER CAM

HIGHLIGHTS/FEATURES

- Fixed or 4mm compression T-handle versions available
- 90° clockwise/counter-clockwise or bi-directional, 180° handle rotations available
- 304SS pan in black powder coat or polished finish
- Die cast handle in black powder coat or chrome plated finish
- Adjustable grip with 3-point latching
- Blind mounted studs
- Gasket included

single and double-bitted key codes available

APPLICATION



499 SERIES

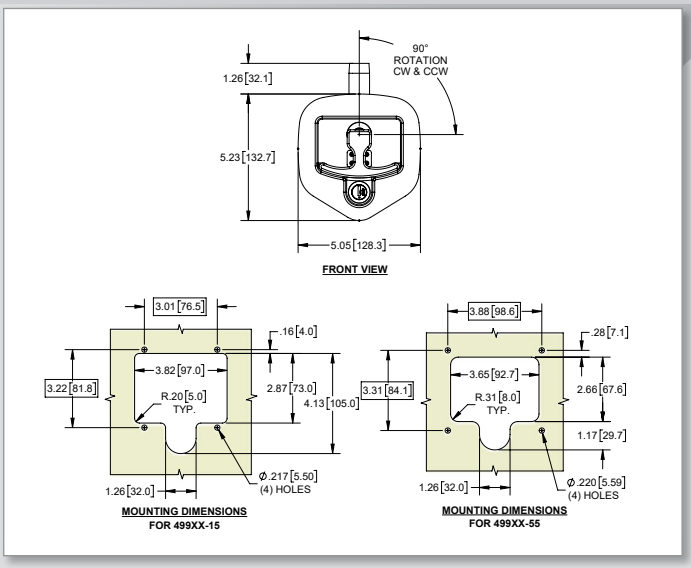
PAT.

PADLOCKING, COMPRESSION BI-DIRECTIONAL

HIGHLIGHTS/FEATURES

- 4mm compression T-handle
- Bi-directional, 180° handle rotation
- Steel pan in black powder coat finish & 304SS in electropolished finish
- Die cast handle in black powder coat or chrome plated finish.
- Adjustable or non-adjustable grips available
- Front or blind mounting options
- 2 different mounting patterns available

single and double-bitted key codes available



Global Headquarters
4041 Via Oro Ave.
Long Beach, CA 90810

Distribution Centers:
Los Angeles
Dallas • Chicago

CONTACT A SPEP SALES REP FOR MORE INFO

888.444.6437 info@spep-marketing.com

PAT. Single-Point Folding T-Handles with Nylon Roller Cam

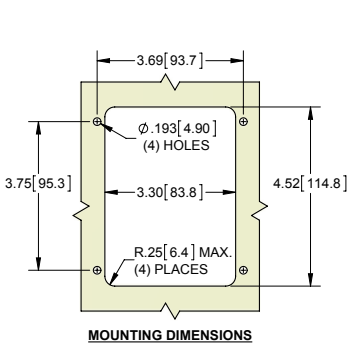
Part Number	Material	Finish	Locking	Holes/Studs
479-KD	304SS	polished face	yes	holes
489-KD	304SS	polished face	yes	studs

- keyed differently (25 key codes available)

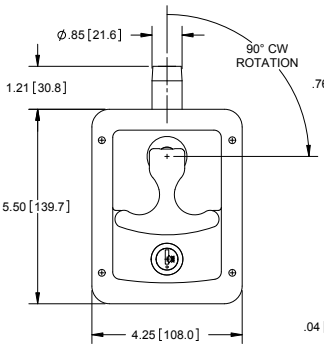
Gaskets

Part Number	Material	Finish	Thickness
479-G	neoprene	smooth, black	.063 [1.60]
NEW **479-G01**	neoprene	smooth, black	.188 [4.76]

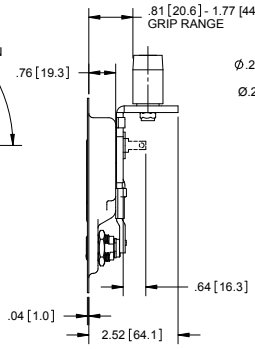
patented



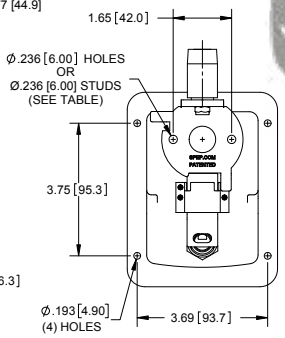
MOUNTING DIMENSIONS



FRONT VIEW



RIGHT SIDE VIEW



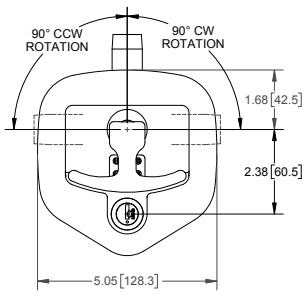
REAR VIEW

PAT. Multi-Point Padlocking Flush Folding T-Handles

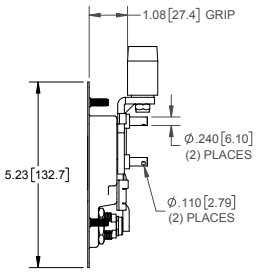
Part Number	Key Code	Rotation	Material / Finish	Cam Type	Grip	Mounting
496SS-L	CH501	90° CW	304SS pan / polished	fixed roller cam	1.08 [27.4]	threaded studs
496SS-R	CH501	90° CCW	304SS pan / polished	fixed roller cam	1.08 [27.4]	threaded studs
497SS-L	CH501	90° CW	304SS pan / polished	adjustable roller cam	1.13 [28.7] - 1.96 [49.78]	threaded studs
497SS-R	CH501	90° CCW	304SS pan / polished	adjustable roller cam	1.13 [28.7] - 1.96 [49.78]	threaded studs

- recessed lock
- .040 [1.02] pan thickness
- die cast zinc handle
- accepts up to 7/16" padlock
- gasket available separately as part no. **496G-01**
- see pg. 63 (part no. **723**) for rods and accessories

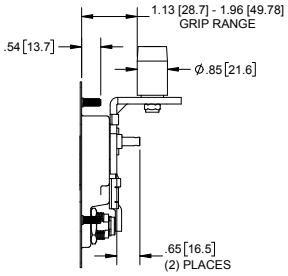
patented



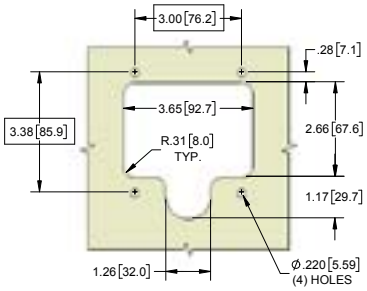
FRONT VIEW



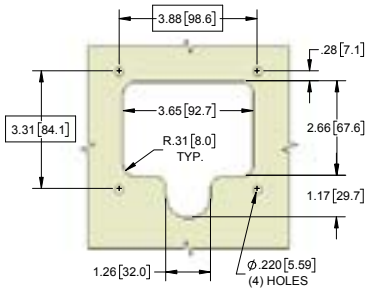
RIGHT SIDE VIEW
FIXED CAM
(496SS-L & 496SS-R)



RIGHT SIDE VIEW
ADJUSTABLE CAM
(497SS-L & 497SS-R)



MOUNTING DIMENSIONS
FOR FIXED CAM
(496SS-L & 496SS-R)



MOUNTING DIMENSIONS
FOR ADJUSTABLE CAM
(497SS-L & 497SS-R)

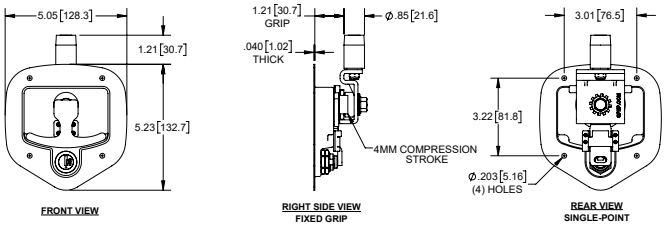
part no. **496G-01**

Hole Mounted, Padlocking, Compression Bi-Directional Folding T-Handles

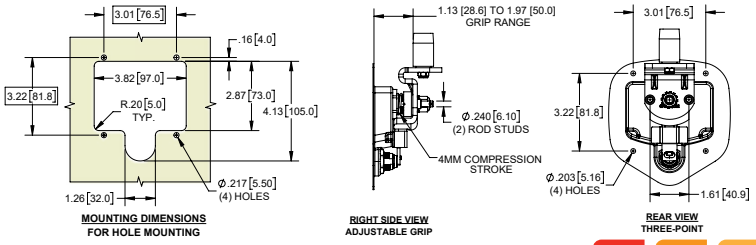
PAT. NEMA 4 NEMA 12 IP65 RATED NEW PRODUCT FAMILY

Part Number	Key Code	Rotation	Pan Material / Finish	Handle Material / Finish	Cam Type	Grip
499BK-01	CH751	bi-directional	steel / black powder coated	die cast zinc / black powder coated	4mm compression stroke	1.21 [30.75]
499CH-01			steel / black powder coated	die cast zinc / chrome plated		
499SS-01			304SS / electropolished	die cast zinc / chrome plated		
499BK-10			steel / black powder coated	die cast zinc / black powder coated	4mm compresssion stroke with studs for 3pt latching	1.13 [28.6] to 1.97 [50.0]
499CH-10			steel / black powder coated	die cast zinc / chrome plated		
499SS-10			304SS / electropolished	die cast zinc / chrome plated		

- gasket available separately as part no. **496G-01**
- recessed lock
- accepts up to 7/16" padlock
- see pg. 63 (part no. **723**) for rods and accessories
- see pg. 70 for spare locks (**LCEM-series** & **LCDB-series**)



part no. **496G-01**

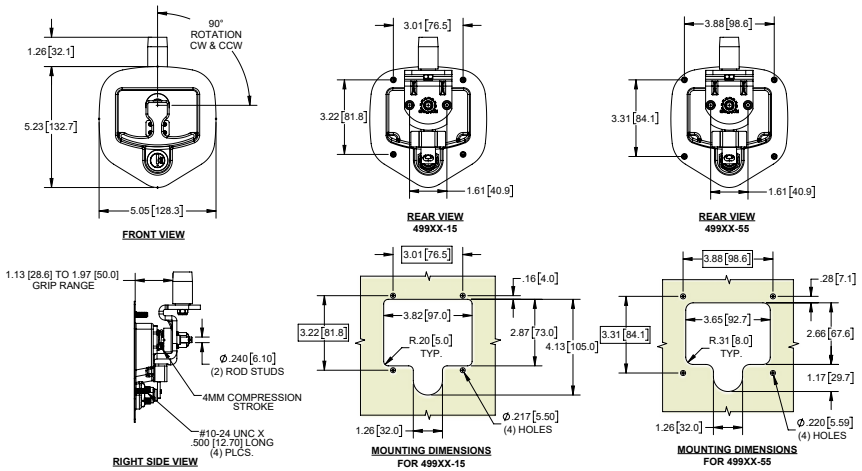


Blind-Mounted, Padlocking, Compression Bi-Directional Folding T-Handles

PAT. NEMA 4 NEMA 12 IP65 RATED NEW PRODUCT FAMILY

Part Number	Key Code	Rotation	Pan Material / Finish	Handle Material / Finish	Cam Type	Grip
499BK-15	CH751	bi-directional	steel / black powder coated	die cast zinc / black powder coated	4mm compresssion stroke with studs for 3pt latching	1.13 [28.6] to 1.97 [50.0]
499CH-15			steel / black powder coated	die cast zinc / chrome plated		
499SS-15			304SS / electropolished	die cast zinc / chrome plated		
499BK-55	CH501		steel / black powder coated	die cast zinc / black powder coated		
499CH-55			steel / black powder coated	die cast zinc / chrome plated		
499SS-55			304SS / electropolished	die cast zinc / chrome plated		

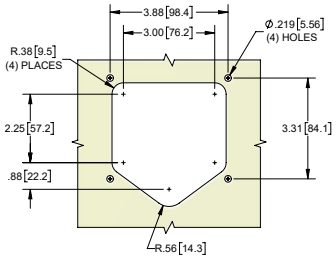
- poron gasket available separately as part no. **496G-01**
- rubber gasket available separately as part no. **499G**
- recessed lock
- accepts up to 7/16" padlock
- see pg. 63 (part no. **723**) for rods and accessories
- see pg. 70 for spare locks (**LCEM-series** & **LCDB-series**)



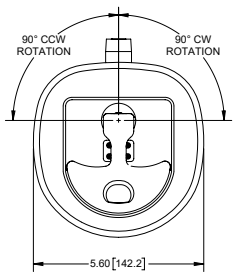
Multi-Point Padlocking Folding T-Handles with Adjustable Nylon Roller Cam

Part Number	Key Code	Rotation	Pan Material / Finish	Handle Material / Finish	Cam Type	Grip	Mounting
497CH-50L	CH501	90° CW	304SS / black powder coated	die cast zinc / chrome plated	fixed no compression stroke with studs for 3pt latching	1.0 [26.0] to 1.9 [49.0]	threaded studs
497CH-50R		90° CCW					
497SS-50L		90° CW	304SS / polished				
497SS-50R		90° CCW					

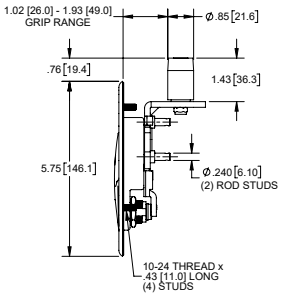
- lock concealed behind t-handle
- accepts up to 7/16" padlock
- see pg. 63 (part no. **723**) for rods and accessories
- gasket included
- see pg. 70 for spare locks (**LCEM-series** & **LCDB-series**)



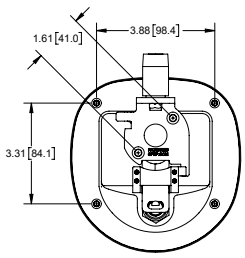
MOUNTING DIMENSIONS



FRONT VIEW



RIGHT SIDE VIEW

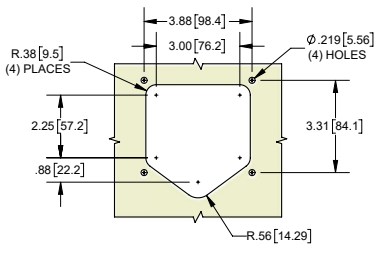


BACK VIEW

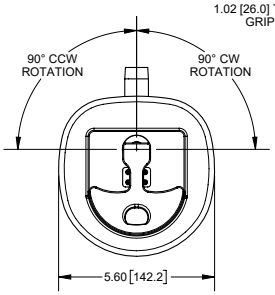
Multi-Point Padlocking Folding Compression T-Handle with Adjustable Nylon Roller Cam

Part Number	Key Code	Rotation	Pan Material / Finish	Handle Material / Finish	Cam Type	Grip	Mounting
497BK-55	CH501	bi-directional	304SS / black powder coated	die cast zinc / black powder coated	4mm compression stroke with studs for 3pt latching	1.0 [26.0] to 1.9 [49.0]	threaded studs
497CH-55				die cast zinc / chrome plated			
497SS-55			304SS / polished	die cast zinc / chrome plated			

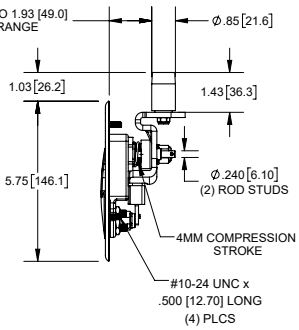
- lock concealed behind t-handle
- accepts up to 7/16" padlock
- see pg. 63 (part no. **723**) for rods and accessories
- gasket included
- see pg. 70 for spare locks (**LCEM-series** & **LCDB-series**)



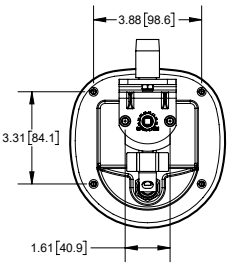
MOUNTING DIMENSIONS



FRONT VIEW



SIDE VIEW

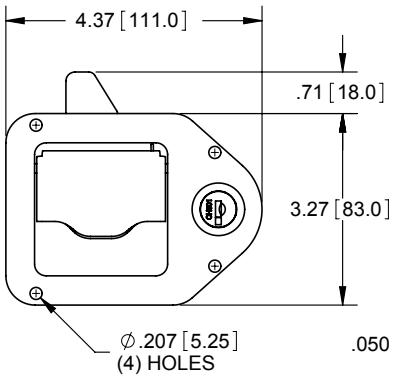


BACK VIEW

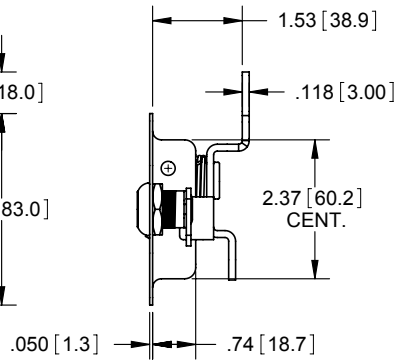
Cam Latching Stainless Steel Paddle Handles

Part Number	Material	Finish	Key Code	Mounting Holes
457	430SS	polished	non-locking	yes
457-DB ‡	430SS	polished	double bitted	yes
457-501	430SS	polished	CH501	yes
457-545	430SS	polished	CH545	yes

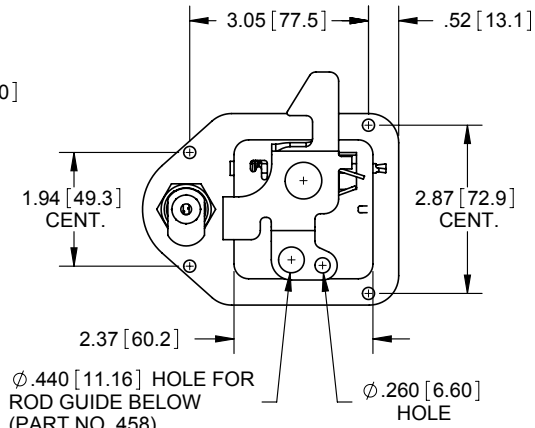
- additional key codes available with minimum order quantities
- locking latches include (2) ringed keys
- gasket for both locking & non-locking handles available as part no. **457G**
- ‡ includes double-bitted lock and keys part no. **PLSDB-KD**. See table on pg. 65 for key codes



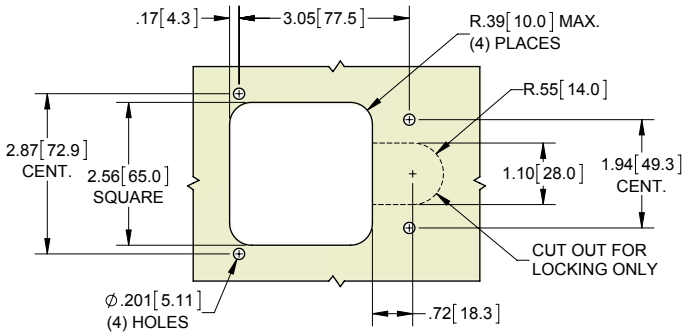
FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW

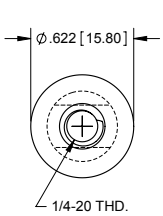


MOUNTING DIMENSIONS

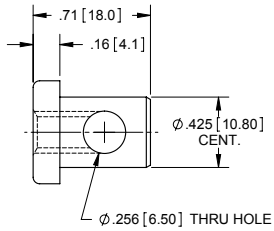
Rod Guide with Set Screw

Part Number	Material	Finish
458	die cast zinc	yellow zinc

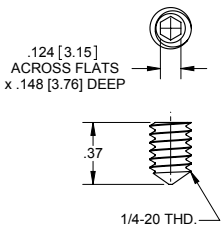
- includes steel set screw
- used on part no. **457**, **457-501**, **457-545** & **457-DB**



FRONT VIEW



RIGHT SIDE VIEW

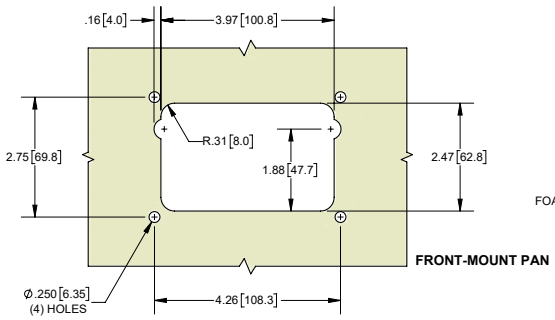


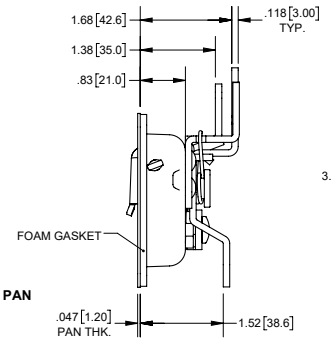
SET SCREW

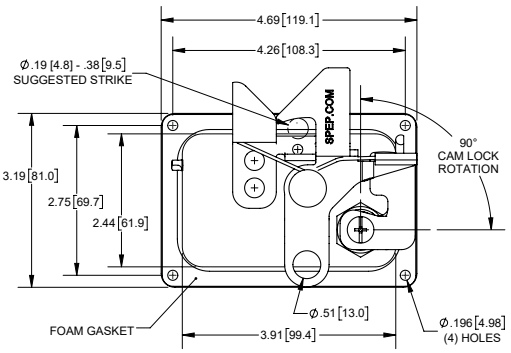
Locking Paddle Handles

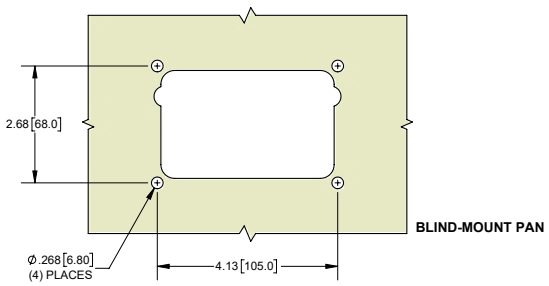
Part Number	Pan Material/Finish	Handle Material/Finish	Key Code	Mounting
459-T001	steel / black matte powder coated	steel / polished chrome plated	T001	holes
459BK-T001	steel / black matte powder coated	steel / black matte powder coated	T001	holes
NEW **459BK-T545**	steel / black matte powder coated	steel / black matte powder coated	T545	threaded studs
459CH-T001	steel / polished chrome plated	steel / polished chrome plated	T001	holes

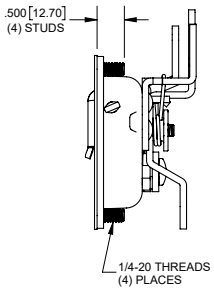
- includes 2 ringed keys
- includes foam gasket
- slam override function for automatic locking feature

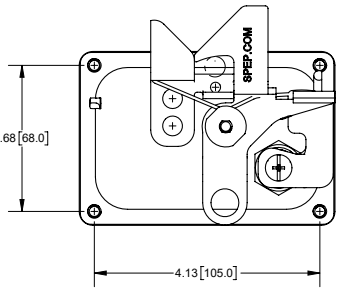








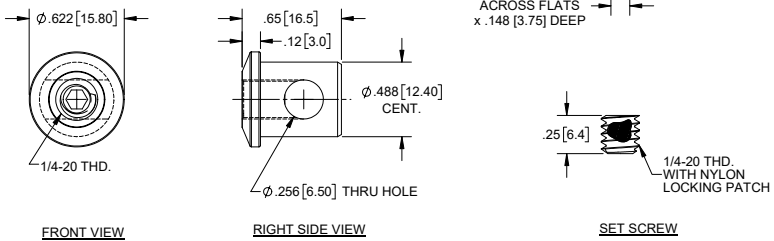




NEW Rod Guide with Set Screw

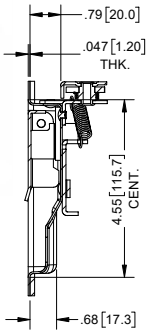
Part Number	Material	Finish
458-01	die cast zinc	blue zinc plated

- includes steel set screw
- used on part no. **459-T001**, **459BK-T001**, **459CH-T001** and **459BK-T545**

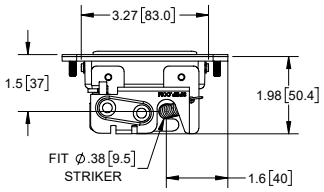


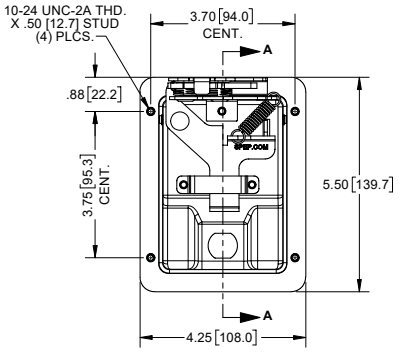
Rotary Paddle Handle Latches

NEW PRODUCT FAMILY

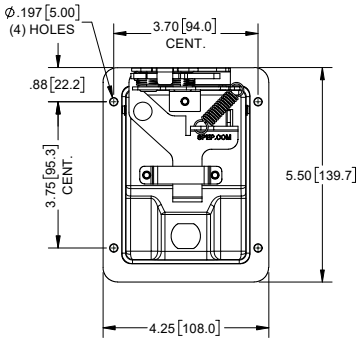


SECTION A-A





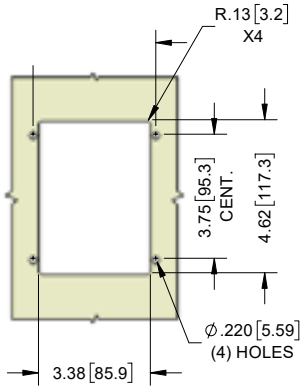
469R
(STUD MOUNT)



463R
(HOLE MOUNT)

Part Number	Pan Material	Finish	Mounting
463R	304SS	polished	(4) holes Ø 0.20 [5.0]
469R	304SS	polished	threaded studs

- locks sold separately, see below



MOUNTING DIMENSIONS

Sealed Replacement Locks

Part No.	Key Code	Material	Finish
K04JSS01	CH545	die cast zinc	stainless steel face and plug
K04JSS02	CH501		
K04JSSDB	J201 (double bitted)		

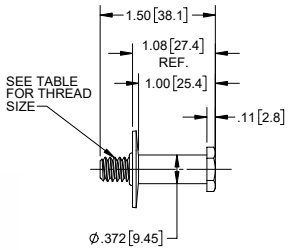
- includes: body nut, gasket, o-ring, stop washer, cam
- (2) brass, ringed keys

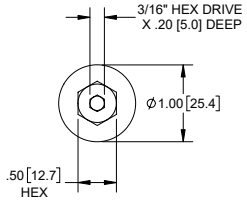
3/8" Striker Bolts

Part No.	Material	Finish	Thread Size
463S	steel	zinc plated with clear chromate	5/16-18
463S-01			M8x1.25

- **468P-S** U-shape striker available

part no. **468P-S**





ROTARY PADDLE HANDLES

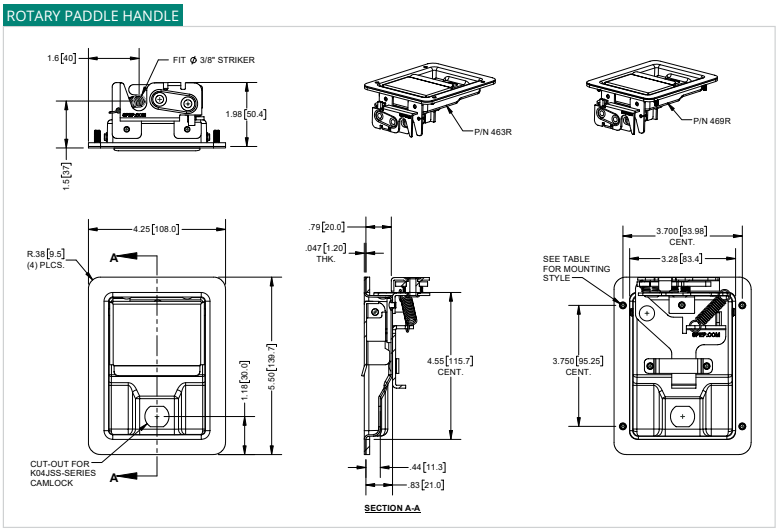
SPEP 46XR-series rotary paddle handles offer excellent security, reliability, and aesthetic for a wide variety of industrial access applications.

HIGHLIGHTS / FEATURES

- Smooth, secured, anti-vibration rotary action with dual-stage construction, plus solid film lube enhancements.
- Weather resistant capability with stainless steel material and ingress limitation design.
- Flush and ergonomic paddle style complements the look of any enclosure or compartment. Custom logo on paddle handle available.
- Hole-mount and stud-mount versions available.
- Intended to be used with Ø3/8" strikers (463S-series) and waterproof cam locks (K04JSS-series)

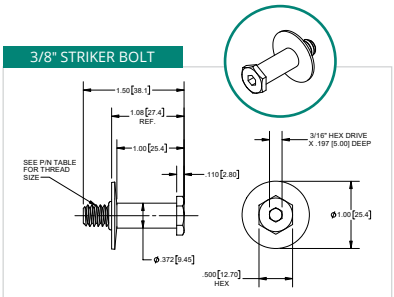
TECHNICAL DETAILS

ROTARY PADDLE HANDLE



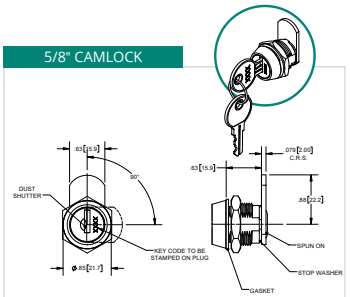
Part No.	Description	Mounting Style
463R	Hole Mounting	(4) x Ø .197 [5.00] THRU. HOLE
469R	Stud Mounting	(4) x 10-24 THD. x .50 [12.7] LONG STUDS

3/8" STRIKER BOLT



Part No.	Thread Size
463S	5/16-18
463S-01	M8x1.25

5/8" CAMLOCK



Part No.	Key Code	Bit Type
K04JSS01	CH545	single
K04JSS02	CH501	single
K04JSSDB	J201	double

Global Headquarters
4041 Via Oro Ave.
Long Beach, CA 90810

Distribution Centers:
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Dallas • Chicago

CONTACT A SPEP SALES REP FOR MORE INFO

888.444.6437 info@spep-marketing.com

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See Our Other Info Flyers Here

ROTARY LATCHES

SPEP L6-rotary latches provide excellent security, convenient push-to-close action, and versatile remote actuation capability. Their compact and robust design are suitable for a wide variety of vehicle compartments, equipment access doors, hoods, lids, and toolboxes.

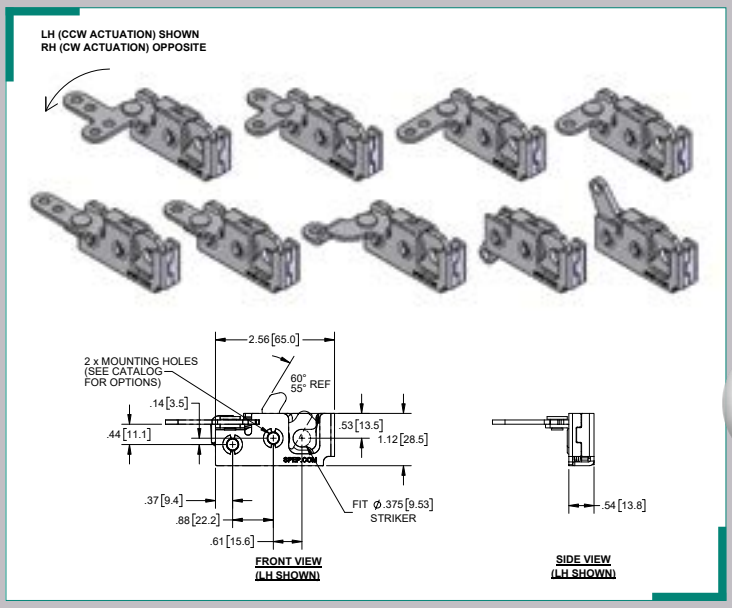
APPLICATIONS

HIGHLIGHTS / FEATURES

- Hardened rotary components ensure secured latching (1000 lbs+ ultimate strength) with superior vibration resistance.
- Durable construction for optimal service life (40,000+ standard operation cycles).
- Convenient slam action and various actuation styles, compatible with a wide range of remote triggering systems.
- Generous striker engagement range accommodates minor misalignment and installation tolerances for large doors.
- Compact profile allows concealed operation, easy fit in confined space, and minimal protrusion for best aesthetic.
- Imperial ¼-20, Metric M6, and Through Hole mounting options available. Steel and Stainless Steel options available.

** Customizing options available. Please contact a SPEP Sales Rep for more information.*

TECHNICAL DETAILS



PART NUMBER NAMING CONVENTION

L6 L M-S I

L6 Family	**[L]** Lever Type	**[M]** Material	**[S]** Stage & Orientation of Actuation	**[I]** Installation / Mounting Hole Type
Rotary latches, for use with ⅜" diameter striker (mini size)	**00** Top **01** Bottom **02** 4-point L-Shape **03** 2-point L-Shape **04** 2-point In-Line **05** 1-point In-Line **06** Long Perpendicular **07** Short Perpendicular **08** Offset Perpendicular **...** **99**	**Blank** Steel **SS** 304SS **SST** 316SS	**1** Single stage, RH **2** Single stage, LH **3** Dual stage, RH **4** Dual stage, LH	**0** thru hole **1** ¼-20 thread **2** M6 thread

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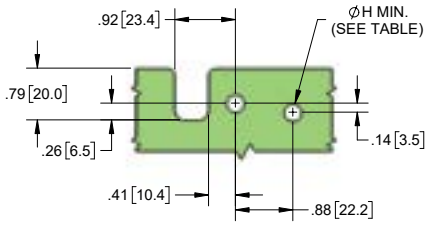
L6-Series Rotary Latch Information

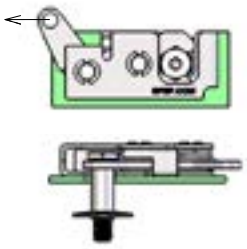
Reccommended Panel Cut-out



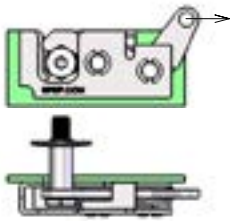
Mounting Option	Ø H (Min. Hole Size Panel)
0.28 [7.2] THRU.	Ø 0.30 [7.6]
¼-20 THD.	Ø 0.27 [6.8]
M6 THD.	Ø 0.24 [6.4]

Top Actuation

Left Hand

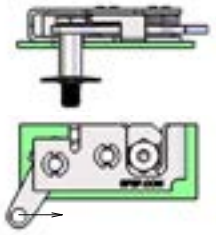


Right Hand

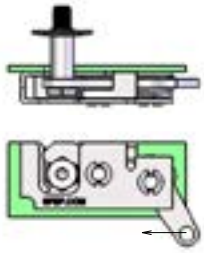


Bottom Actuation

Left Hand

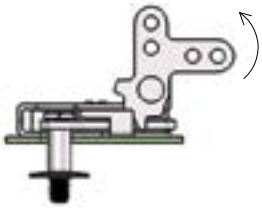


Right Hand

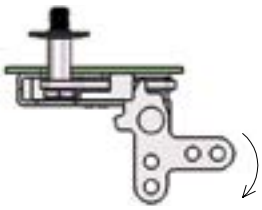


Side Actuation

Left Hand (CCW)

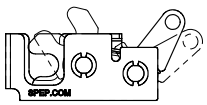


Right Hand (CW)

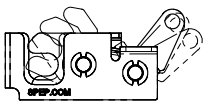


Actuation Stages

Single Stage (1-click)



Dual Stage (2-click)



Part Number Naming Convention

L6 [L] [M]-[S] [I]

[L] Lever Type

00	Top
01	Bottom
02	4-Point L-Shape
03	2-Point L-Shape
04	2-Point In-Line
05	1-Point In-Line
06	Long Perpendicular
07	Short Perpendicular
08	Offset Perpendicular

[M] Material

Blank	Steel
SS	304SS
SST	316SS

[S] Actuation Stage & Orientation

1	Single stage, RH
2	Single stage, LH
3	Dual stage, RH
4	Dual stage, LH

[I] Installation / Mounting Hole Type

0	thru hole
1	1/4-20 thread
2	M6 thread

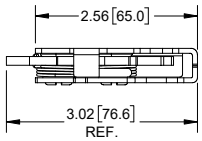
Rotary Latches

NEW PRODUCT FAMILY

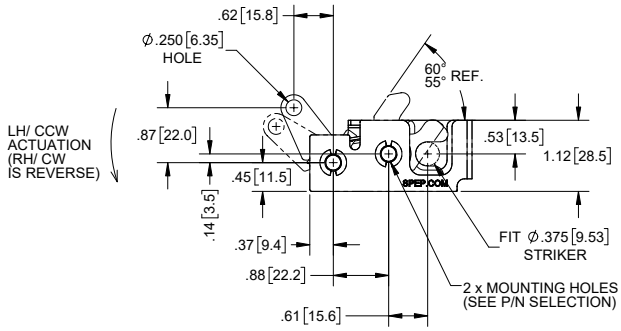
Top Lever

Part Number	Orientation	Actuation Stage
L600-11	right hand	single
L600-21	left hand	single
L600-31	right hand	dual
L600-41	left hand	dual

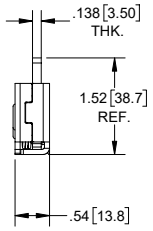
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW
(LH SHOWN)



FRONT VIEW
(LH SHOWN)

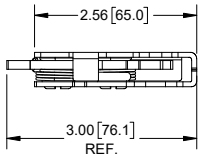


SIDE VIEW
(LH SHOWN)

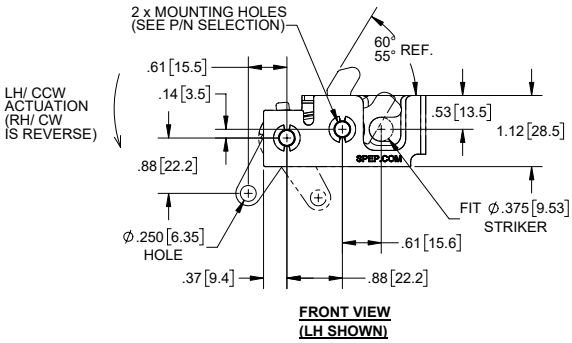
Bottom Lever

Part Number	Orientation	Actuation Stage
L601-11	right hand	single
L601-21	left hand	single
L601-31	right hand	dual
L601-41	left hand	dual

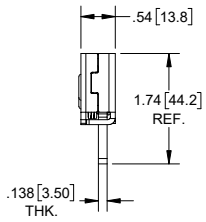
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW
(LH SHOWN)



FRONT VIEW
(LH SHOWN)

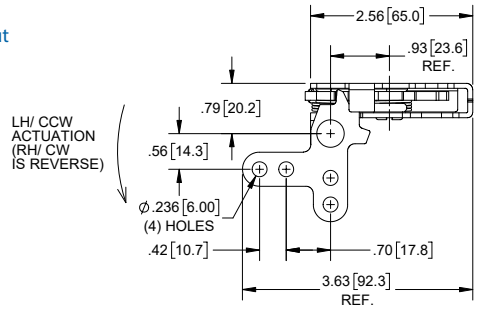


SIDE VIEW
(LH SHOWN)

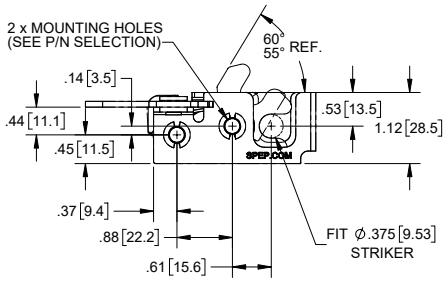
4-Point L-Shape Lever

Part Number	Orientation	Actuation Stage
L602-11	right hand	single
L602-21	left hand	single
L602-31	right hand	dual
L602-41	left hand	dual

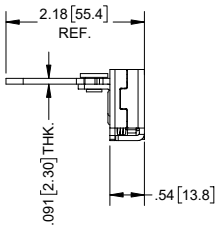
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW (LH SHOWN)



FRONT VIEW (LH SHOWN)

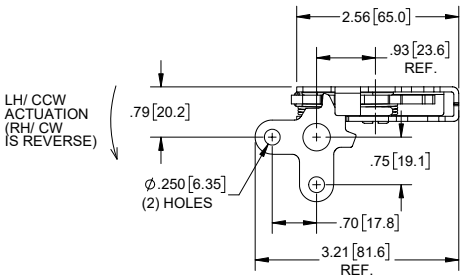


SIDE VIEW (LH SHOWN)

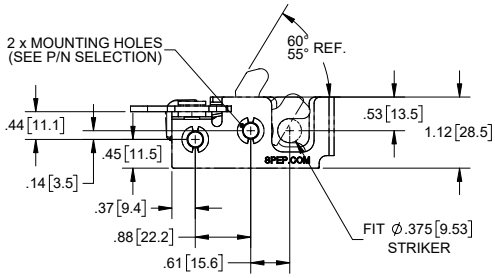
2-Point L-Shape Lever

Part Number	Orientation	Actuation Stage
L603-11	right hand	single
L603-21	left hand	single
L603-31	right hand	dual
L603-41	left hand	dual

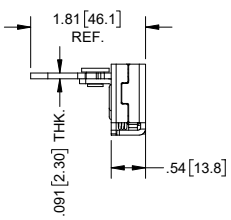
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW (LH SHOWN)



FRONT VIEW (LH SHOWN)



SIDE VIEW (LH SHOWN)

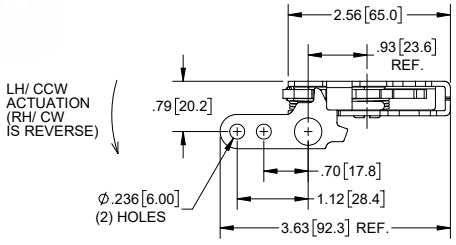
Rotary Latches

NEW PRODUCT FAMILY

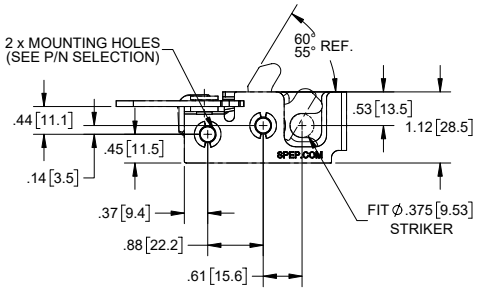
2-Point In-Line Lever

Part Number	Orientation	Actuation Stage
L604-11	right hand	single
L604-21	left hand	single
L604-31	right hand	dual
L604-41	left hand	dual

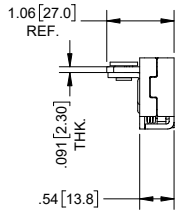
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW (LH SHOWN)



FRONT VIEW (LH SHOWN)

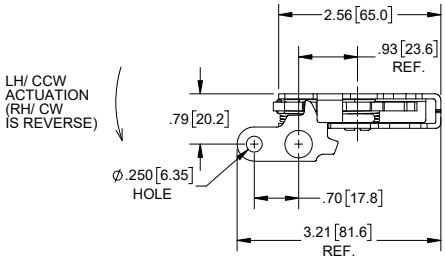


SIDE VIEW (LH SHOWN)

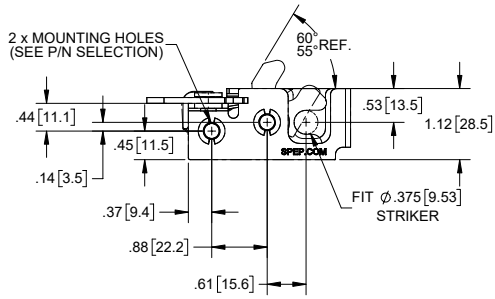
1-Point In-Line Lever

Part Number	Orientation	Actuation Stage
L605-11	right hand	single
L605-21	left hand	single
L605-31	right hand	dual
L605-41	left hand	dual

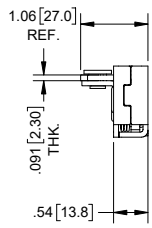
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW (LH SHOWN)



FRONT VIEW (LH SHOWN)

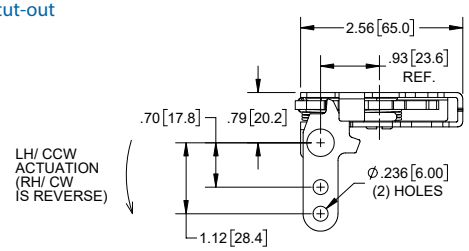


SIDE VIEW (LH SHOWN)

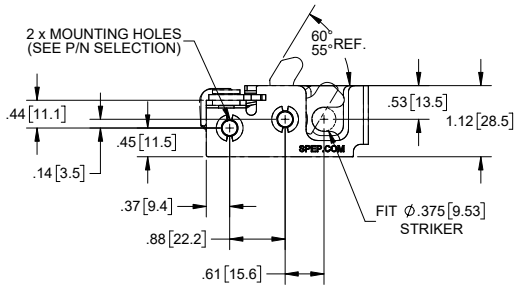
Long Perpendicular Lever

Part Number	Orientation	Actuation Stage
L606-11	right hand	single
L606-21	left hand	single
L606-31	right hand	dual
L606-41	left hand	dual

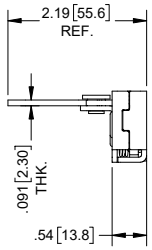
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW (LH SHOWN)



FRONT VIEW (LH SHOWN)

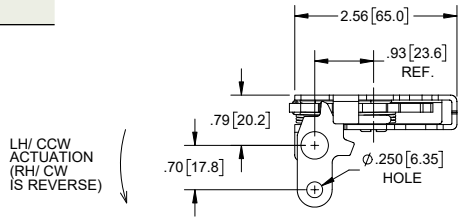


SIDE VIEW (LH SHOWN)

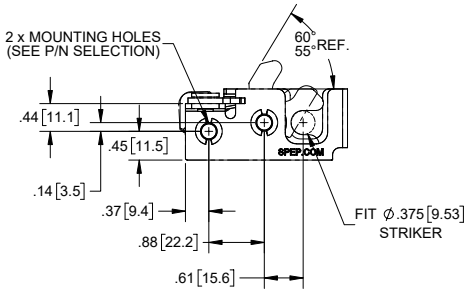
Short Perpendicular Lever

Part Number	Orientation	Actuation Stage
L607-11	right hand	single
L607-21	left hand	single
L607-31	right hand	dual
L607-41	left hand	dual

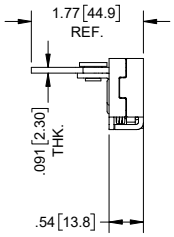
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW (LH SHOWN)



FRONT VIEW (LH SHOWN)



SIDE VIEW (LH SHOWN)

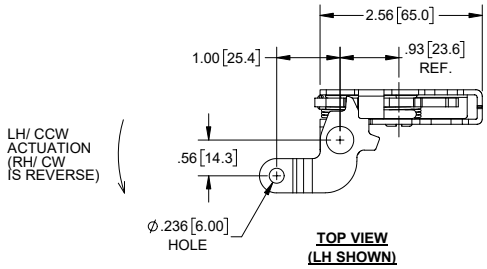
Rotary Latches

NEW PRODUCT FAMILY

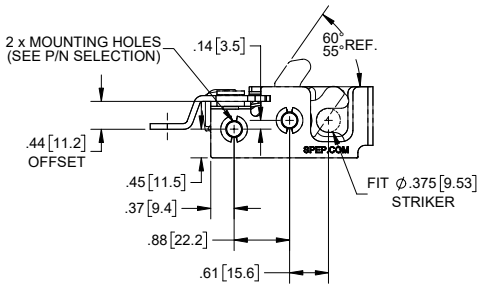
Offset Perpendicular Lever

Part Number	Orientation	Actuation Stage
L608-11	right hand	single
L608-21	left hand	single
L608-31	right hand	dual
L608-41	left hand	dual

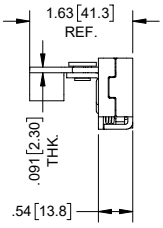
- **463S / 463S-01** striker available on pg. 78
- refer to pg. 81 for reccomended panel cut-out



TOP VIEW (LH SHOWN)



FRONT VIEW (LH SHOWN)



SIDE VIEW (LH SHOWN)

Rod Clips

plastic clips
right hand part no. **L6PC-R**
left hand part no. **L6PC-L**

metal clips
right hand part no. **L6SC-R**
left hand part no. **L6SC-L**

3/8" Striker Bolts

part no. **463S**
5/16-18 THD.

part no. **463S-01**
M8x1.25 THD.

316SS

Flush Slam Latches

Stainless Steel Locking Latches

Part Number	Panel Thickness Range A	Material	Finish
6-10SSTLK	.079 [2.00] - .276 [7.00]	316SS	hand polished
6-11SSTLK	.276 [7.00] - .472 [12.00]	316SS	hand polished
6-12SSTLK	.472 [12.00] - .669 [17.00]	316SS	hand polished
6-13SSTLK	.669 [17.00] - .866 [22.00]	316SS	hand polished

- includes:
  - (2) ringed keys
  - (2) mounting screws
  - (1) mounting bracket
  - (1) keeper

Stainless Steel Non-Locking Latches

Part Number	Panel Thickness Range A	Material	Finish
6-10SST	.079 [2.00] - .276 [7.00]	316SS	hand polished
6-11SST	.276 [7.00] - .472 [12.00]	316SS	hand polished
6-12SST	.472 [12.00] - .669 [17.00]	316SS	hand polished
6-13SST	.669 [17.00] - .866 [22.00]	316SS	hand polished

- includes:
  - (2) mounting screws
  - (1) mounting bracket
  - (1) keeper

Die Cast Zinc Locking Latches

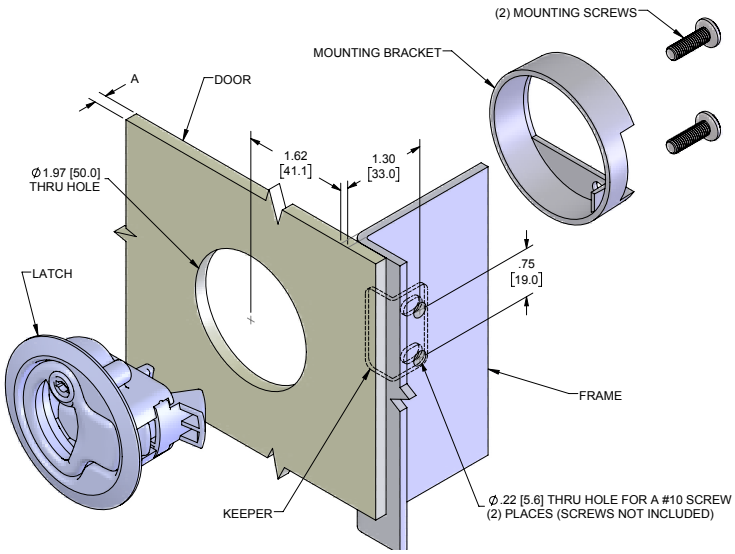
Part Number	Panel Thickness Range A	Material	Finish
6-10CHLK	.079 [2.00] - .276 [7.00]	die cast zinc	chrome plated
6-11CHLK	.276 [7.00] - .472 [12.00]	die cast zinc	chrome plated
6-12CHLK	.472 [12.00] - .669 [17.00]	die cast zinc	chrome plated
6-13CHLK	.669 [17.00] - .866 [22.00]	die cast zinc	chrome plated

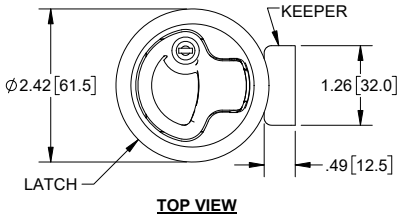
- includes:
  - (2) ringed keys
  - (2) mounting screws
  - (1) mounting bracket
  - (1) keeper

Die Cast Zinc Non-Locking Latches

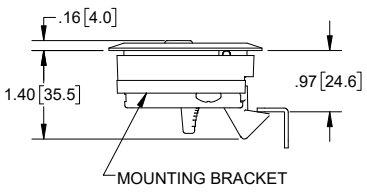
Part Number	Panel Thickness Range A	Material	Finish
6-10CH	.079 [2.00] - .276 [7.00]	die cast zinc	chrome plated
6-11CH	.276 [7.00] - .472 [12.00]	die cast zinc	chrome plated
6-12CH	.472 [12.00] - .669 [17.00]	die cast zinc	chrome plated
6-13CH	.669 [17.00] - .866 [22.00]	die cast zinc	chrome plated

- includes:
  - (2) mounting screws
  - (1) mounting bracket
  - (1) keeper

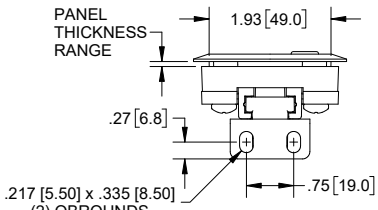




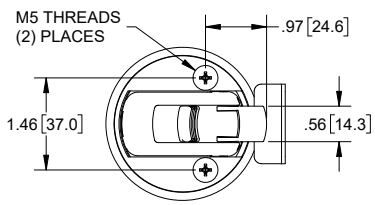
TOP VIEW



FRONT VIEW



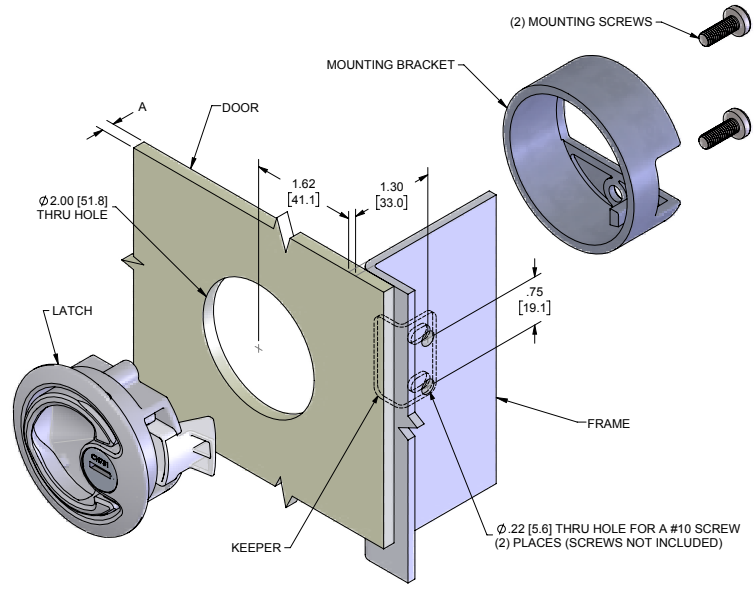
RIGHT SIDE VIEW

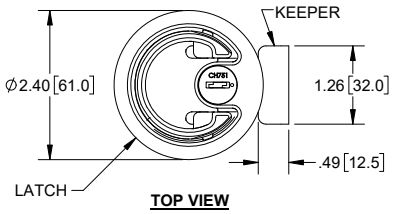


BOTTOM VIEW

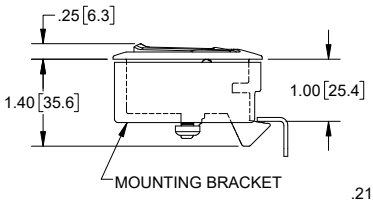
To Place Order: 800.433.5554 order@spep.com

Plastic Flush Slam Latches UV

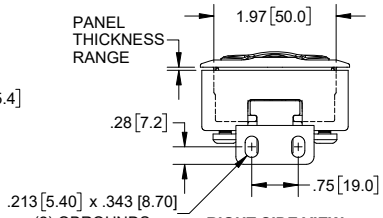




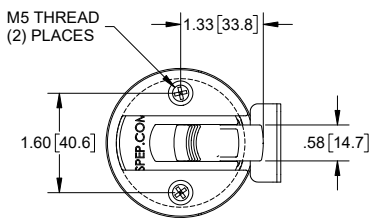
TOP VIEW



FRONT VIEW



RIGHT SIDE VIEW



BOTTOM VIEW

Black Locking Latches

Part Number	Panel Thickness Range A	Finish
6-10BKCH751	.075 [1.91] - .275 [7.00]	black
6-11BKCH751	.275 [7.00] - .475 [12.07]	black
6-12BKCH751	.475 [12.07] - .675 [17.15]	black
6-13BKCH751	.675 [17.15] - .875 [22.23]	black

- material: thermoplastic with UV stabilizers
- includes:
  - (2) ringed keys
  - (2) mounting screws
  - (1) keeper
  - (1) mounting bracket
  - stainless steel lock face & dust shutter
- key code CH751

Black Non-Locking Latches

Part Number	Panel Thickness Range A	Finish
6-10BK	.075 [1.91] - .275 [7.00]	black
6-11BK	.275 [7.00] - .475 [12.07]	black
6-12BK	.475 [7.00] - .675 [17.15]	black
6-13BK	.675 [17.15] - .875 [22.23]	black

- material: thermoplastic with UV stabilizers
- includes:
  - (2) mounting screws
  - (1) keeper
  - (1) mounting bracket

White Locking Latches

Part Number	Panel Thickness Range A	Finish
6-10WTCH751	.075 [1.91] - .275 [7.00]	white
6-11WTCH751	.275 [7.00] - .475 [12.07]	white
6-12WTCH751	.475 [12.07] - .675 [17.15]	white
6-13WTCH751	.675 [17.15] - .875 [22.23]	white

- material: thermoplastic with UV stabilizers
- includes:
  - (2) ringed keys
  - (2) mounting screws
  - (1) keeper
  - (1) mounting bracket
  - stainless steel lock face & dust shutter
- key code CH751

White Non-Locking Latches

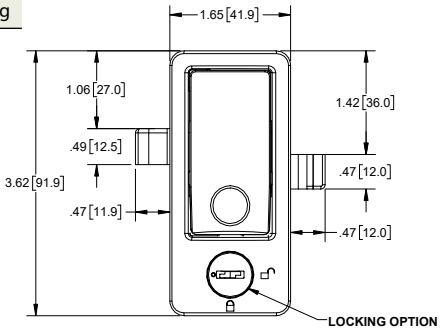
Part Number	Panel Thickness Range A	Finish
6-10WT	.075 [1.91] - .275 [7.00]	white
6-11WT	.275 [7.00] - .475 [12.07]	white
6-12WT	.475 [7.00] - .675 [17.15]	white
6-13WT	.675 [17.15] - .875 [22.23]	white

- material: thermoplastic with UV stabilizers
- includes:
  - (2) mounting screws
  - (1) keeper
  - (1) mounting bracket

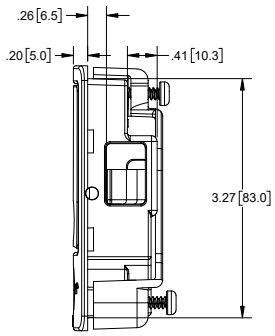
UV Double Pawl Slam Latches

Part No.	Material	Finish	Key Code
1126LKP	plastic	textured black	CH751
1126P	plastic	textured black	non-locking

- locking latch includes:
  - (2) ringed, brass, nickel plated keys
  - mounting bracket & screws
- key locking latch will slam closed while in locked position
- may be used in either left hand or right hand orientation

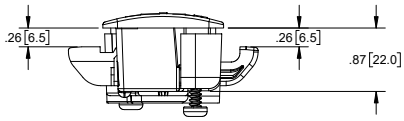


FRONT VIEW



RIGHT SIDE VIEW

non-locking

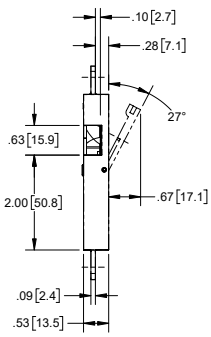


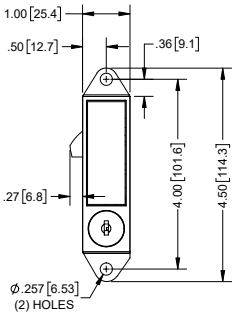
BOTTOM VIEW

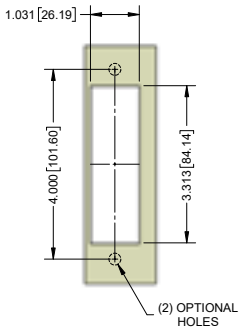
Push to Close Latch

Part Number	Material	Finish
1140	die cast zinc	textured chrome

- includes (1) brass key





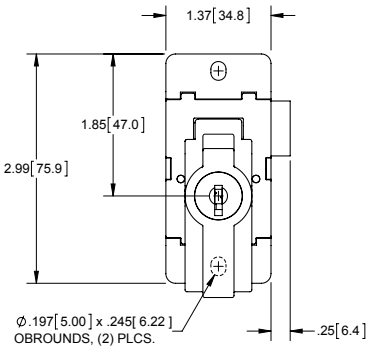


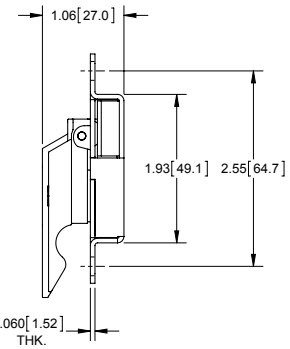
MOUNTING DIMENSIONS

Panel Board Latch

Part Number	Key Code (2 Keys)	Left or Right	Finish
GE1LH	CAT 60	left	zinc plated
GE1RH	CAT 60	right	zinc plated
GE1LH1	SP 60	left	zinc plated
GE1RH1	SP 60	right	zinc plated

- lever and bolt are die cast zinc
- case is formed steel
- maximum intended panel thickness is .120 [3.05]
- key removable in locked or unlocked position



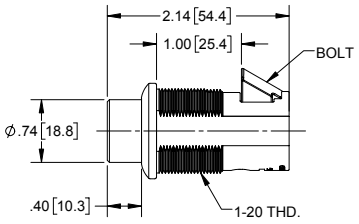


LEFT HAND SHOWN

Push Button Latches

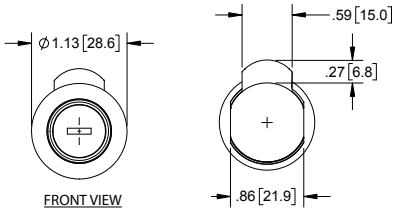
UV PAT. NEMA 12 IP65 RATED

Locking



RIGHT SIDE VIEW

Non-Locking
(in-line tab shown)

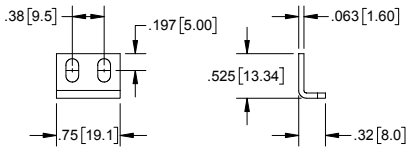


FRONT VIEW

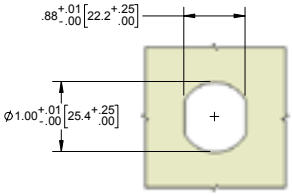
REAR VIEW

LATCH

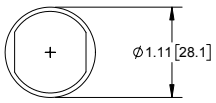
Locking
Black Face
(perpendicular tab shown)



STRIKE



MOUNTING DIMENSIONS



Locking and Non-Locking Latches

Part Number	Description	Lock Face Finish
2-11BK	non-locking	black
2-13BK	locking	polished
2-13BK50*	locking	polished
2-14BK	locking	black

- * **2-13BK50** is same as **2-13BK** except for different key codes (CH742-CH762)

Locking and Non-Locking Latches with Pull Tab In-line with Bolt

Part Number	Description	Lock Face Finish
2-11BK01	non-locking	black
2-13BK01	locking	polished
2-14BK01	locking	black

Locking and Non-Locking Latches with Pull Tab Perpendicular to Bolt

Part Number	Description	Lock Face Finish
2-11BK02	non-locking	black
2-13BK02	locking	polished
2-14BK02	locking	black

Push Button Latches Features

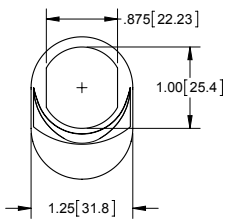
- material: nylon with UV stabilizers
- finish: black textured
- patented design
- parts have internal o-rings
- face gasket available separately (part no. **2-1G**), to meet NEMA type 4, 12 and IP65 enclosure requirements
- all latches include:
  - body nut
  - lock washer
  - strike in 304SS with passivated finish
  - (2) ringed keys
- key code CH751 (for locking only)

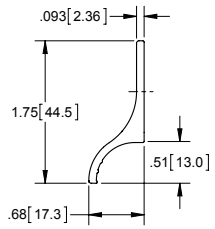
Gasket for Push Button Latches

Part No.	Description
2-1G	smooth black rubber gasket for Push Button Latches

Pull Tab

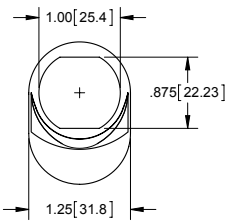
UV

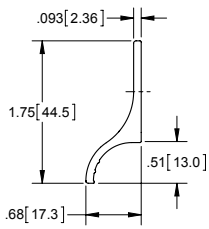




In-line with Bolt

Part Number	Material	Finish
KH39BK	nylon with UV stabilizers	black textured





Perpendicular to Bolt

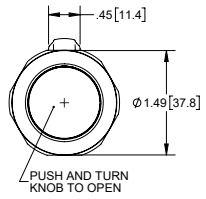
Part Number	Material	Finish
KH39BK-01	nylon with UV stabilizers	black textured

NEW PRODUCT FAMILY UV

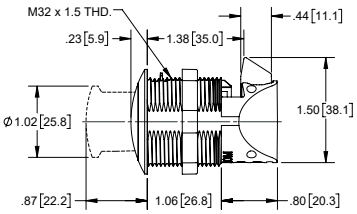
Plastic Push and Turn Latches

Part No.	Material	Finish
2-20BK	thermoplastic	black fine texture
2-20CH	thermoplastic	smooth chrome plated

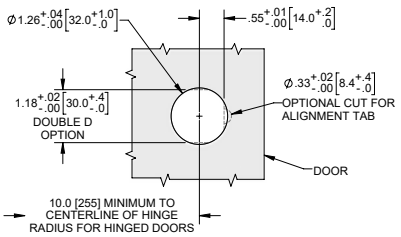
- includes 304SS passivated keeper and internal tooth lock washer
- grip: 1.38 [35.0]
- slam latch functionality when pushed to close



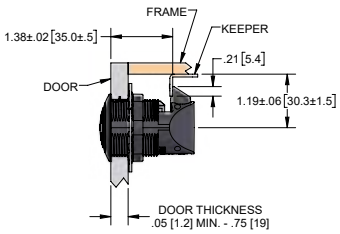
FRONT VIEW



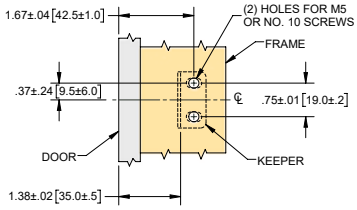
RIGHT SIDE VIEW



FRONT VIEW DOOR CUT-OUT DETAILS



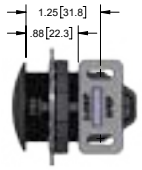
SIDE VIEW CUT-OUT DETAILS



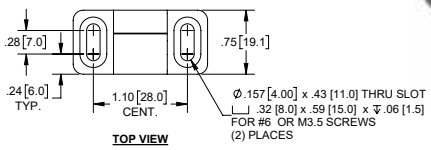
TOP VIEW KEEPER MOUNTING DETAILS

Keeper

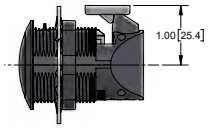
Part No.	Material	Finish
2-20KP	thermoplastic	black fine texture



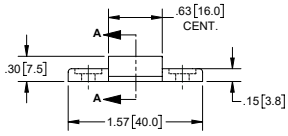
TOP VIEW KEEPER MOUNTING



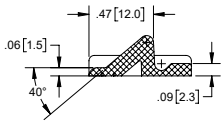
TOP VIEW



SIDE VIEW KEEPER MOUNTING



FRONT VIEW

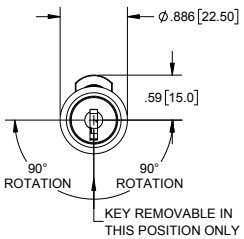


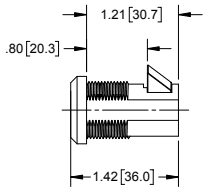
SECTION A-A

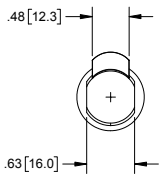
Key Locking Bolt Latch

Part Number	Material	Finish
2-15CH	die cast zinc	chrome plated

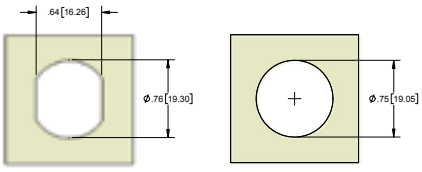
- all latches include:
  - body nut
  - strike in steel, zinc plated
  - (2) ringed keys, code CH751



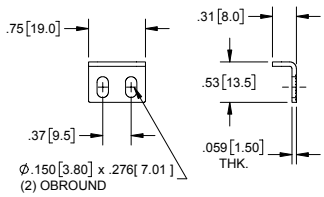




LATCH



MOUNTING DIMENSIONS

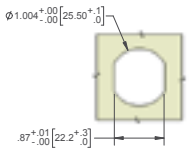


STRIKE

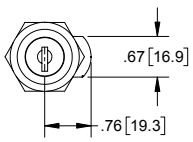
Key Locking Bolt Latch

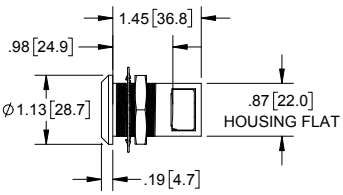
Part Number	Material	Finish
2-16CH	die cast zinc	chrome plated

- for panel thickness between .04 [1.0] - .31 [8.0]
- plastic bolt
- (2) ringed keys, code CH751



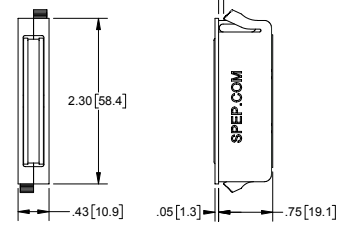
MOUNTING DIMENSIONS

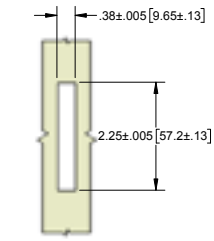




Snap-In Magnetic Catches

Large

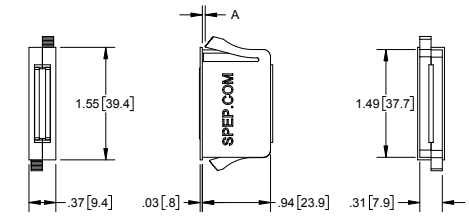


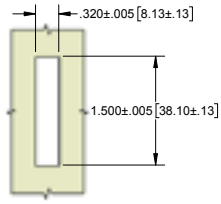


Part Number	A	Panel Thickness (min. -max.)
D392BK	.01 [.3]	.02 [.5] - .08 [2.0]
D392BK-01	.07 [1.8]	.08 [2.0] - .14 [3.5]
D392BK-02	.13 [3.3]	.14 [3.5] - .20 [5.0]

- black polypropylene housing
- steel, zinc plated end plates
- approximate holding force: 14.0 lb [62.3N]
- uses strike part no. **D392S-01** & **D392S-02** see below for more details

Small

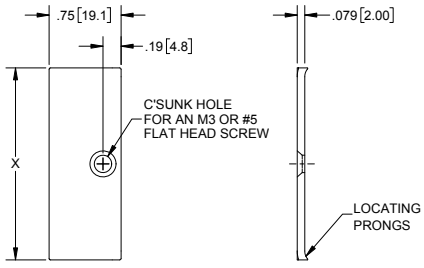


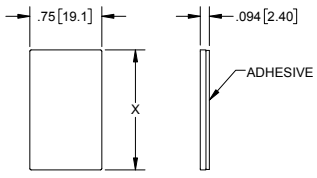


Part Number	A	Panel Thickness (min. -max.)
D395BK	.04 [1.0]	.02 [.5] - .08 [2.0]
D395BK-01	.10 [2.5]	.08 [2.0] - .14 [3.5]
D395BK-02	.16 [4.0]	.14 [3.5] - .20 [5.0]

- black polypropylene housing
- steel, zinc plated end plates
- approximate holding force: 8.0 lb [35.6N]
- uses strike part no. **D395S-01** & **D395S-02** see below for more details

Strikes

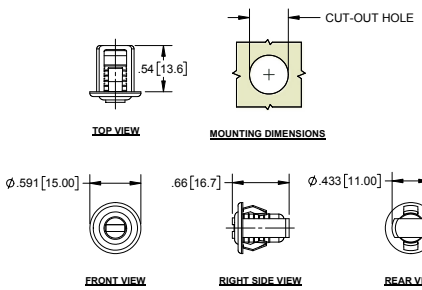




Part Number	Description	Dim X
D392S-01	self-adhering	2.00 [50.8]
D392S-02	screw-mounting	2.00 [50.8]
D395S-01	self-adhering	1.25 [31.8]
D395S-02	screw-mounting	1.25 [31.8]

- material: steel
- finish: zinc plated

Snap-in Magnetic Catch



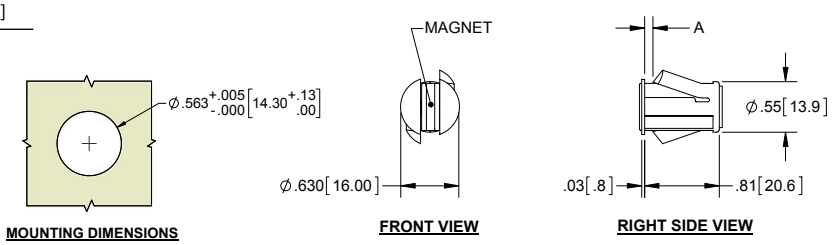
Part Number	Holding Force lbf [N]	Panel Material	Panel Thickness	Cut-out Hole
D411	approx. 1.5 [6.9]	steel	.031 [.79] - .055 [1.40]	Ø.449 [11.40] - Ø.453 [11.50]
		steel	.055 [1.40] - .118 [3.00]	Ø.469 [11.91] - Ø.472 [12.00]
		resin	.055 [1.40]	Ø.445 [11.30] - Ø.453 [11.50]

- color: white
- plastic housing and cover
- steel zinc plated yoke plates

Small Snap-In Magnetic Catches

Part Number	A	Panel Thickness (min. -max.)
D393BK	.030 [.80]	.020 [.50] - .080 [2.00]
D393BK-01	.090 [2.30]	.080 [2.00] - .140 [3.50]
D393BK-02	.150 [3.80]	.140 [3.50] - .200 [5.00]

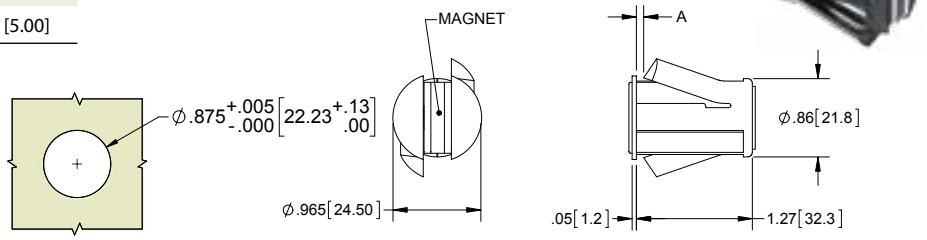
- black polypropylene housing
- steel, zinc plated end plates
- cut-out: Ø.563 +.005/-.000 [14.30 ±.13/.00]
- approximate holding force: 5.5 lbs. [24.5N]



Large Snap-In Magnetic Catches

Part Number	A	Panel Thickness (min. -max.)
D394BK	.020 [.50]	.020 [.50] - .080 [2.00]
D394BK-01	.080 [2.00]	.080 [2.00] - .140 [3.50]
D394BK-02	.140 [3.50]	.140 [3.50] - .200 [5.00]

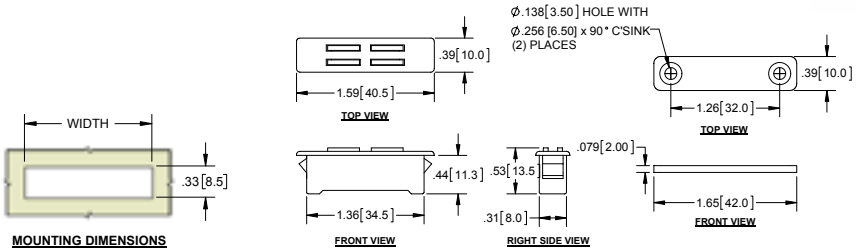
- black polypropylene housing
- steel, zinc plated end plates
- cut-out: Ø.875 +.005/-.000 [22.23 ±.13/.00]
- approximate holding force: 11.0 lbs. [48.9N]



Snap-in Magnetic Catch

Part Number	Color	Holding Force lbf [N]	Panel Thickness	Cut-out Width
D401	white	approx. 7.7 [34.3]	.031 [.79]	1.366 [34.70]
			.039 [.99]	1.378 [35.00]
			.047 [1.19]	1.390 [35.31]

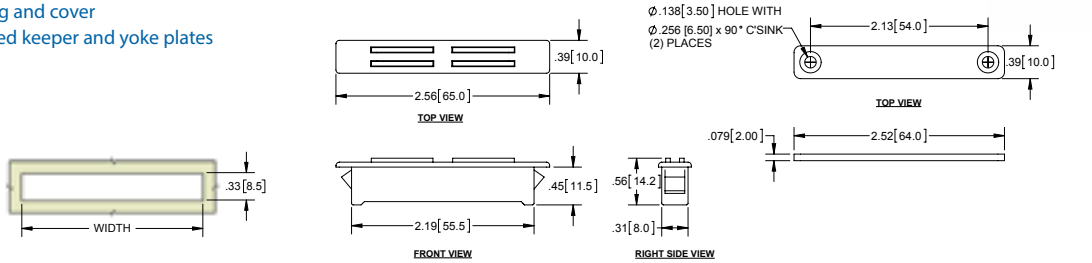
- plastic housing and cover
- steel zinc plated keeper and yoke plates



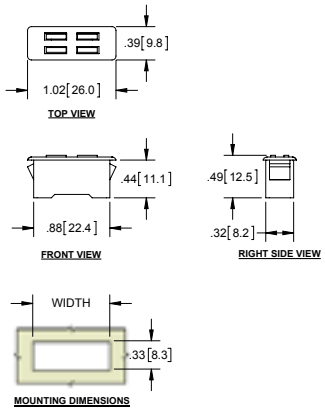
Snap-in Magnetic Catch

Part Number	Color	Holding Force lbf [N]	Panel Thickness	Cut-out Width
D402	white	approx. 14.3 [63.8]	.031 [.79]	2.205 [56.00]
			.039 [.99]	2.217 [56.31]
			.047 [1.19]	2.228 [56.59]

- plastic housing and cover
- steel zinc plated keeper and yoke plates



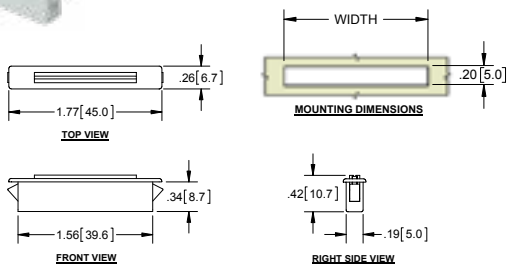
Snap-in Magnetic Catches



Part Number	Color	Holding Force lbf [N]	Panel Thickness	Cut-out Width
D407G	gray	approx. 4.9 [21.6]	.0197 ±.002 [.500 ±.05]	.89 ±.006 [22.6 ±.15]
D407W	white	approx. 2.9 [12.8]	.0315 ±.002 [.800 ±.05]	.93 ±.006 [23.6 ±.15]
D408G	gray	approx. 4.9 [21.6]	.0394 ±.002 [1.000 ±.05]	.89 ±.004 [22.6 ±.10]
			.0472 ±.002 [1.200 ±.05]	.93 ±.004 [23.6 ±.10]
D408W	white	approx. 2.9 [12.8]	.055 ±.002 [1.400 ±.05]	.94 ±.004 [23.9 ±.10]

- plastic housing and cover
- steel zinc plated yoke plates

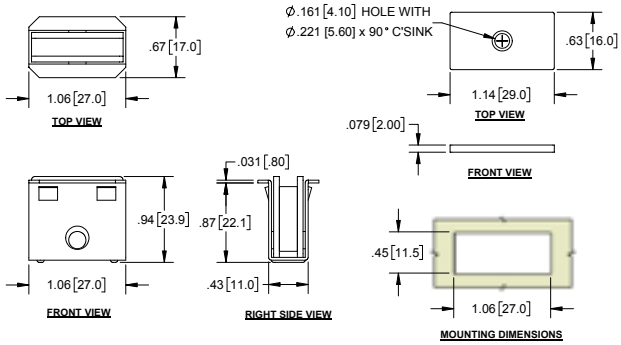
Snap-in Magnetic Catch



Part Number	Color	Holding Force lbf [N]	Panel Thickness	Cut-out Width
D403	white	approx. 6.2 [27.5]	.031 [.79]	1.571 [39.90]
		approx. 6.2 [27.5]	.039 [.99]	1.594 [40.50]

- plastic housing and cover
- steel zinc plated yoke plates

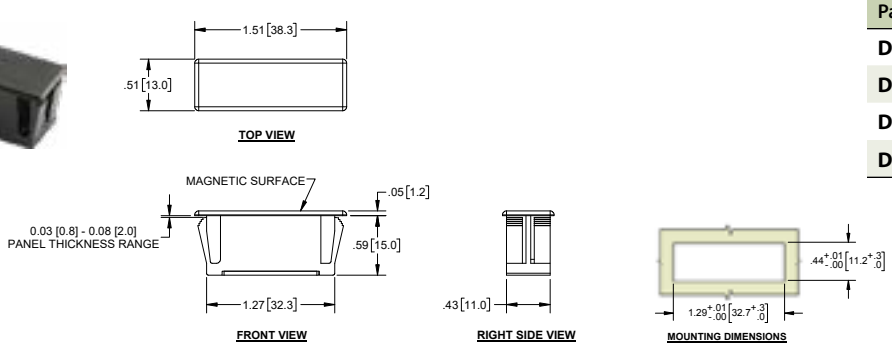
Snap-in Magnetic Catch



Part Number	Holding Force lbf [N]
D416	approx. 6.6 [29.4]

- aluminum, mill finish housing
- steel, zinc plated keeper and yoke plates
- snaps into a 1mm thick panel

Sealed Snap-in Magnetic Catches

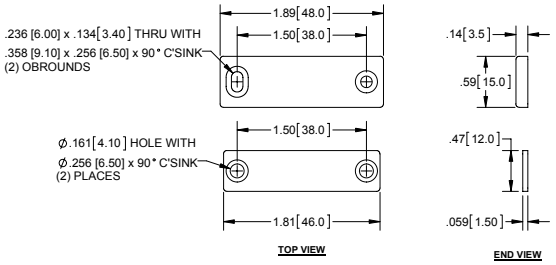


Part Number	Finish	Holding Force
D436BK	black	approx. 6.7 [30]
D436W	white	approx. 6.7 [30]
D436BK-01	black	approx. 4.0 [18]
D436W-01	white	approx. 4.0 [18]

Dust Proof Magnetic Catches

Part Number	Color	Holding Force lbf [N]
D405BK	black	approx. .9 [4.0]
D405W	white	approx. .9 [4.0]

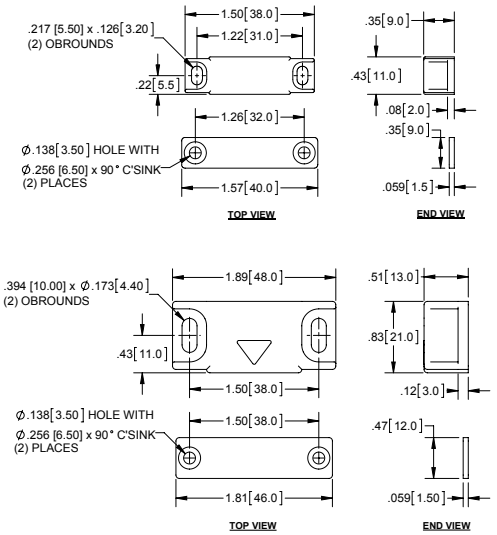
- plastic housing and cover
- 430SS nickel plated magnet and keeper



Dust Proof Magnetic Catches

Part Number	Size	Color	Holding Force lbf [N]
D400BK-01	small	black	approx. 2.9 [13.0]
D400W-01	small	white	approx. 2.9 [13.0]
D400BK	large	black	approx. 5.2 [23.0]
D400W	large	white	approx. 5.2 [23.0]

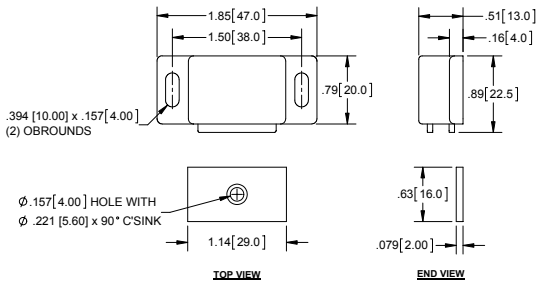
- plastic housing and cover
- 430SS nickel plated magnet and keeper



Magnetic Catches

Part Number	Color	Holding Force lbf [N]
D409BR	brown	approx. 6.6 [29.4]
D409W	white	approx. 6.6 [29.4]

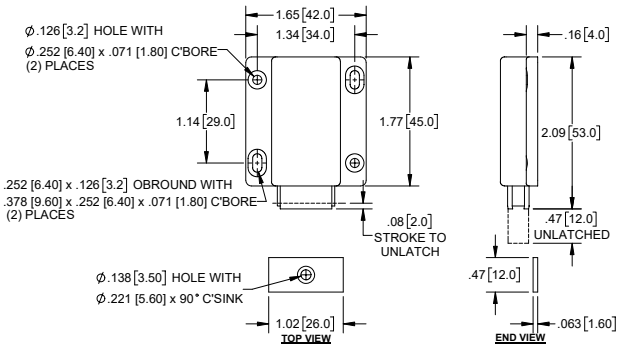
- plastic housing and cover
- steel zinc plated keeper and yoke plates



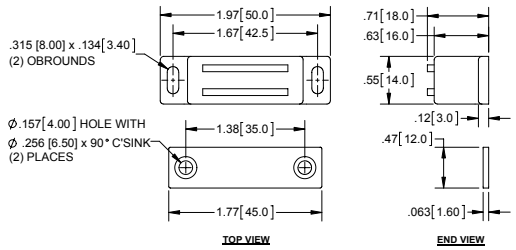
Push-off Magnetic Catch

Part Number	Color	Holding Force lbf [N]
D410BR	brown	approx. 3.8 [17.0]

- plastic housing and cover
- steel bronze plated keeper and yoke plates



Magnetic Catch



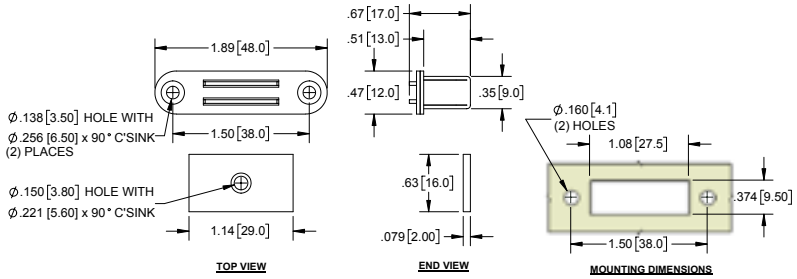
Part Number	Color	Holding Force lbf [N]
D406	white	approx. 4.4 [19.6]

- plastic housing and cover
- steel zinc plated keeper and yoke plates

Magnetic Catch

Part Number	Holding Force lbf [N]
D404	approx. 7.7 [34.3]

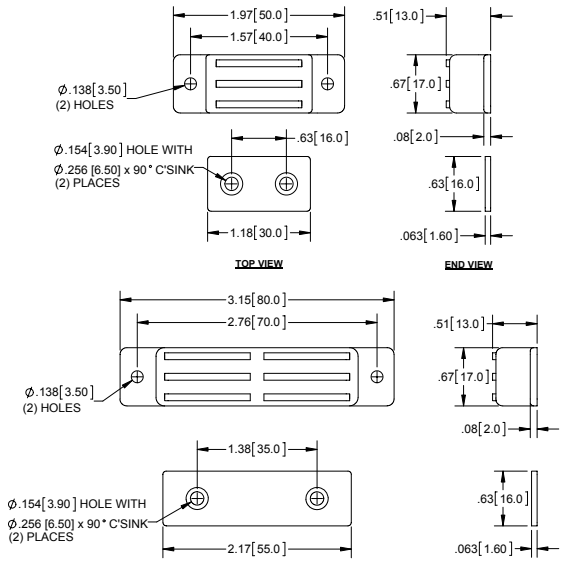
- aluminum, mill finish housing and cover
- chrome keeper
- steel, zinc plated yoke plates



Magnetic Catches

part no. **D415-01**

part no. **D415**



Part Number	Holding Force lbf [N]
D415-01	approx. 17.6 [78.5]
D415	approx. 24.3 [108.1]

- brass, nickel plated housing
- aluminum, mill finish cover
- steel, nickel plated keeper and yoke plates

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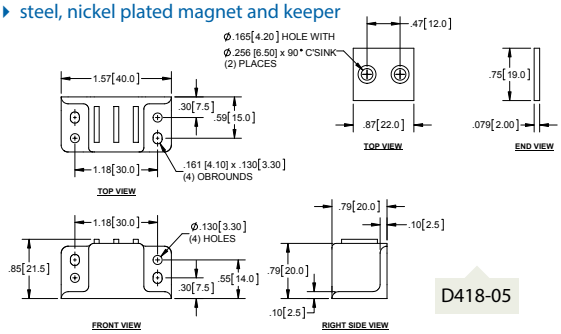
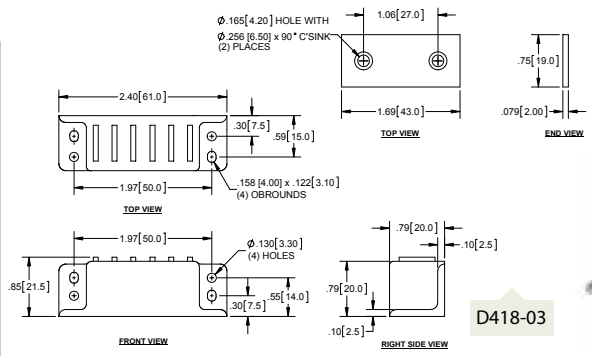
Magnetic Catches

Part No.	Material	Finish	Holding Force lbf [N]
D418-05	die cast zinc	satin nickel plated	approx. 12.1 [53.9]
D418-03			approx. 28.7 [127.5]

- steel, nickel plated magnet and keeper



D418-05

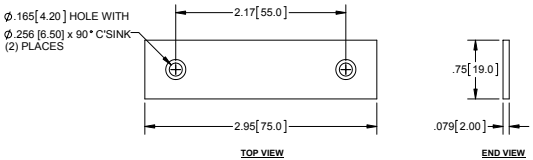


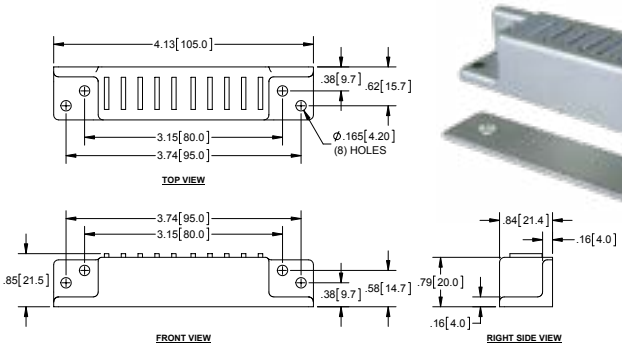
D418-03

Magnetic Catch

Part No.	Material	Finish	Holding Force lbf [N]
D418-01	die cast zinc	satin nickel plated	approx. 33.1 [147.2]

- steel, nickel plated magnet and keeper

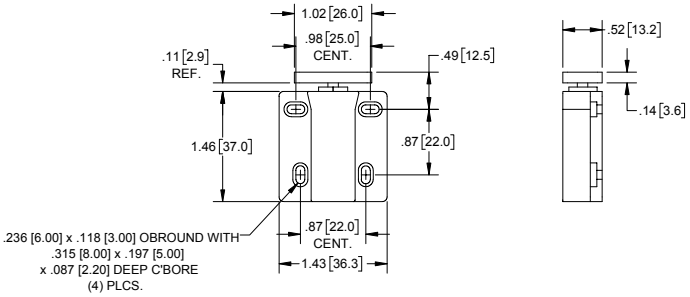




Toggle Latch

Part No.	Material	Finish
D434	plastic	black

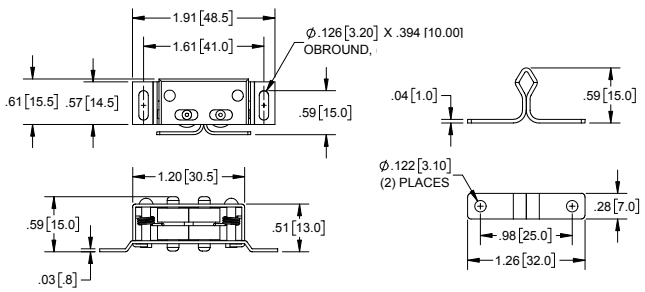
- push to close and push to open



Roller Catch

Part No.	Material	Finish
D440	steel	zinc plated

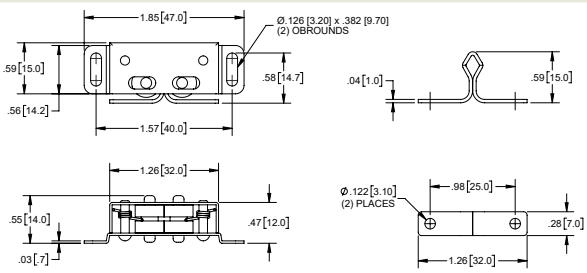
- white polyethylene rollers



Roller Catch

Part No.	Material	Finish
D440SS-01	304SS	mill

- white polyethylene rollers



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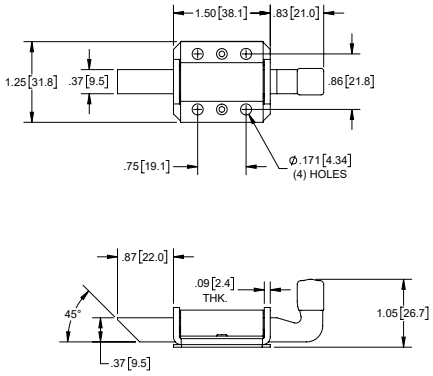
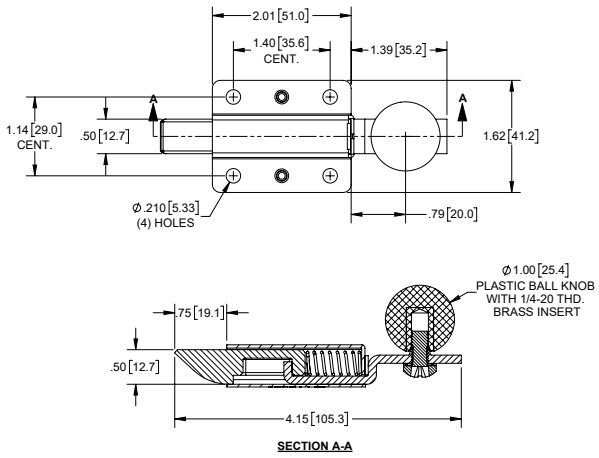
Steel Slam Latch



Part Number	Material	Finish
1191ZN	steel	zinc plated

- vinyl end cap

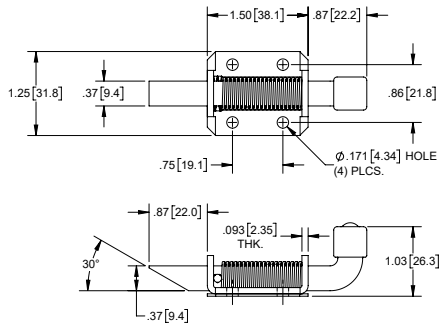
Steel Slam Latch with Plastic Knob



Part Number	Material	Finish
119101ZN	steel	zinc plated

- plastic ball knob

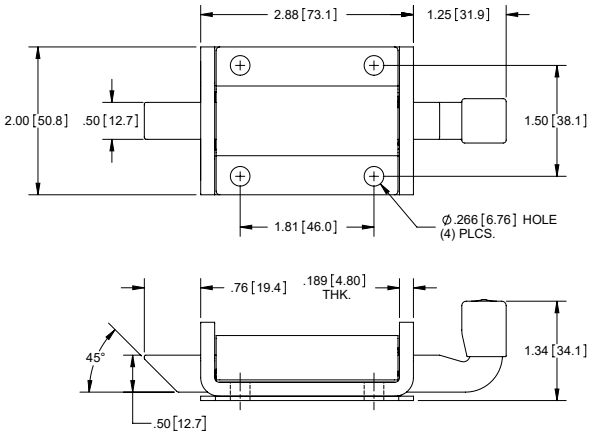
Slam Latches



Part Number	Material	Finish
171HN01	304SS	electropolished
171ZN01	steel	zinc plated

- vinyl end cap

Slam Latch



Part Number	Material	Finish
1195ZN	steel	zinc plated

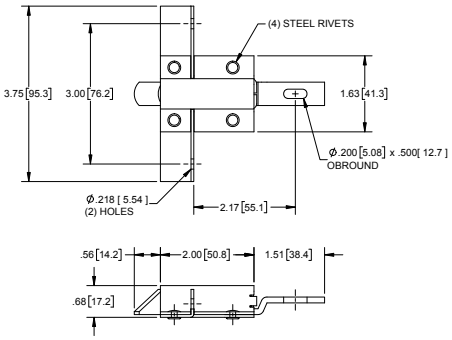
- vinyl end cap

Slam Latch

Part Number	Material	Finish
1196	steel	zinc plated

- nylon striker

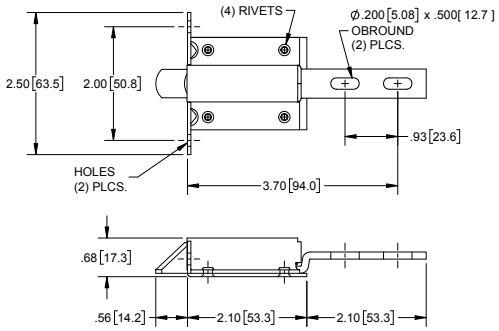
we can supply custom rods & cables



Slam Latches

Part Number	Holes	Material	Finish
1197	Ø.193	steel	electro black painted
1198	Ø.209	steel	electro black painted

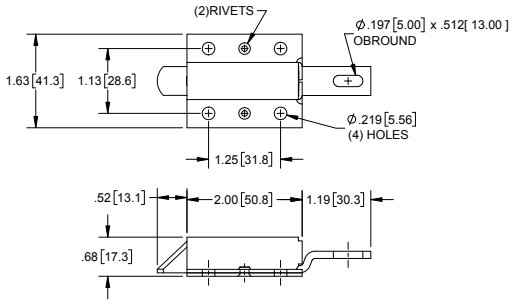
- nylon striker



Slam Latch

Part Number	Material	Finish
1192	steel	electro black painted

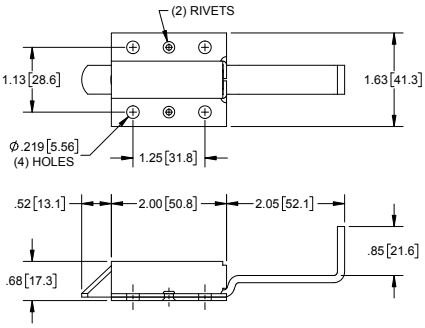
- nylon striker



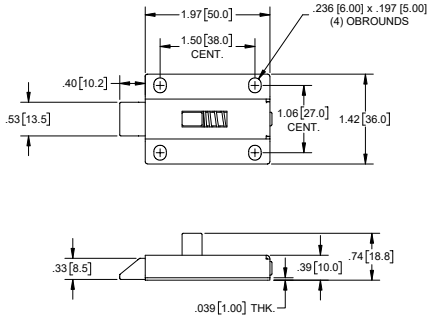
Finger Pull Latch

Part Number	Material	Finish
1190	steel	blue zinc plated

- nylon striker



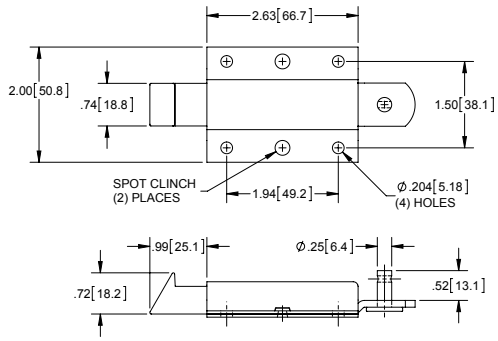
Slam Latch



Part Number	Material	Finish
119102ZN	steel	zinc plated

- die cast steel bolt

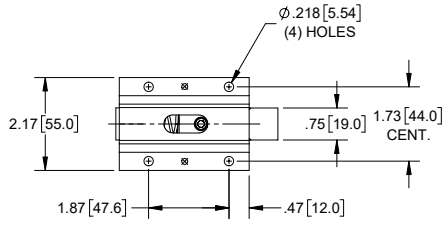
Slam Latches



Part Number	Material	Finish
1194	steel	zinc plated
1194-01	steel	zinc plated

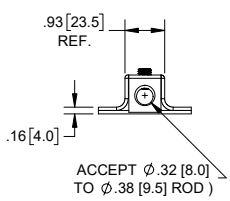
- die cast zinc strike
- part no. **1194-01** has 1/2 the spring tension as the **1194**.

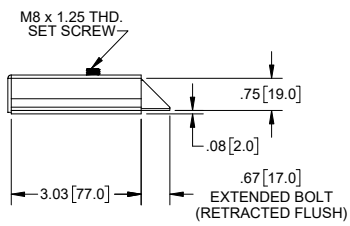
Slam Latch NEW

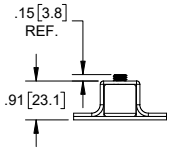


Part Number	Material	Finish
1194-10	steel	zinc plated

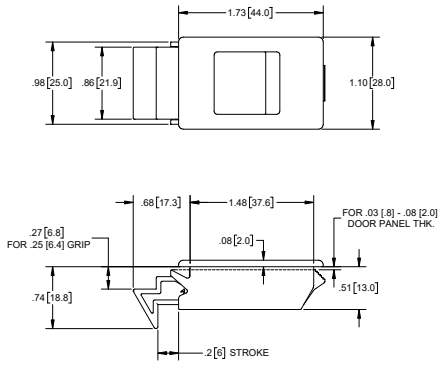
- die cast zinc strike
- fits rod of up to Ø 3/8"; see pages 63 and 135 for 8mm rods & 228 for 9mm rods





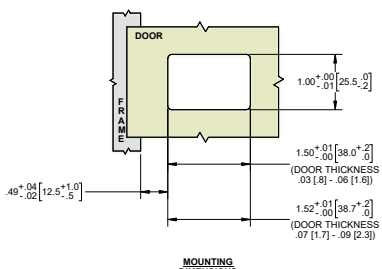


Spring Loaded Plastic Slide Latch



Part Number	Material	Finish
1134P	plastic	black textured

- spring material: 304SS
- part installs by pushing through cut-out and snapping into place
- applicable material thickness: .03[.8] - .09[2.3]

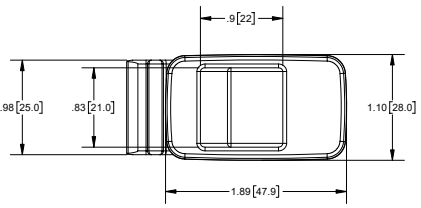


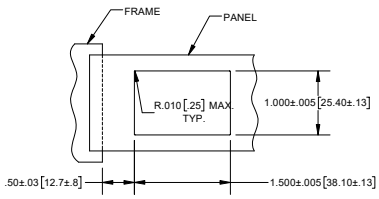
MOUNTING DIMENSIONS

NEW UV Small Plastic Push-to-Close Slide Latch

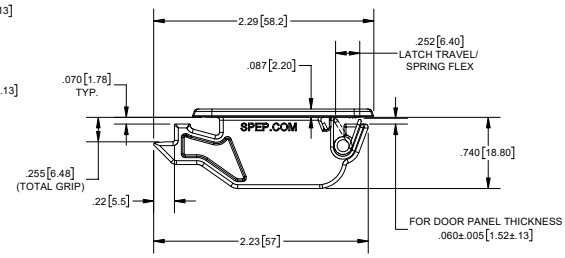
Part Number	Material	Finish
1134P-40	plastic	black, lightly textured

- spring: passivated, stainless steel
- part installs by pushing through cut-out and snapping into place
- applicable material thickness: .060±.005 [1.52±.13]





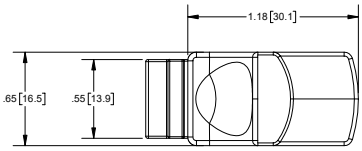
PANEL PREPARATION

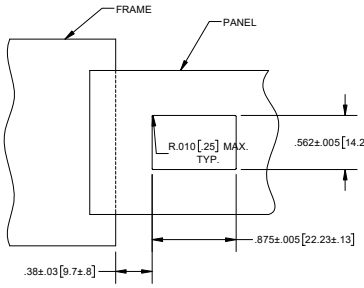


NEW UV Small Plastic Push-to-Close Slide Latch

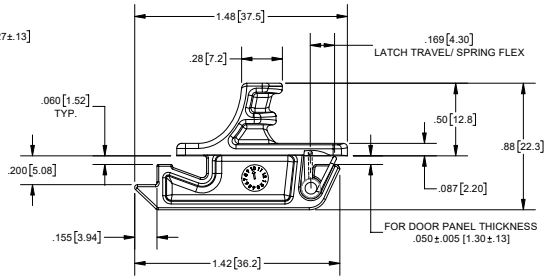
Part Number	Material	Finish
1134P-60	plastic	black, lightly textured

- spring: passivated, stainless steel
- part installs by pushing through cut-out and snapping into place
- applicable material thickness: .050 ±.005 [1.30± .13]





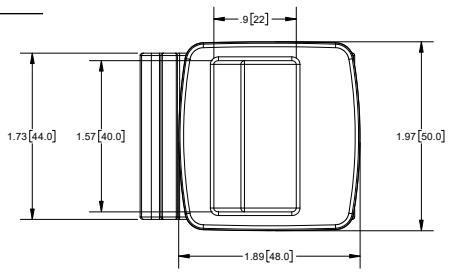
PANEL PREPARATION

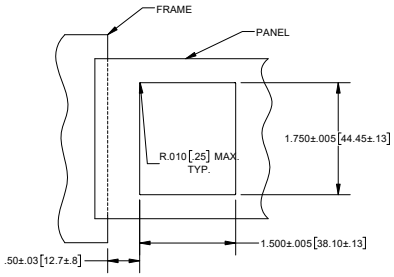


NEW UV Large Plastic Push-to-Close Slide Latch

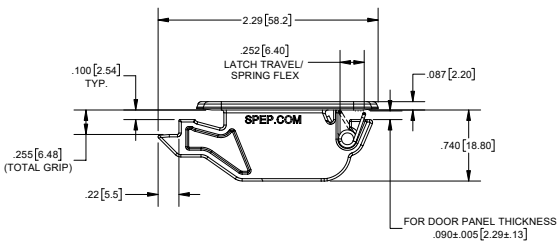
Part Number	Material	Finish
1134P-80	plastic	black, lightly textured

- spring: passivated, stainless steel
- part installs by pushing through cut-out and snapping into place
- applicable material thickness: .090±.005 [2.29±.13]





PANEL PREPARATION

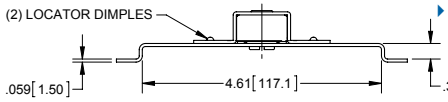


Slam Latch

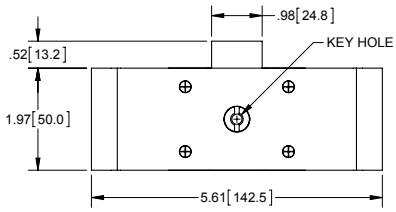
1193

J3026

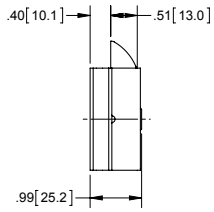
J3027



TOP VIEW



FRONT VIEW



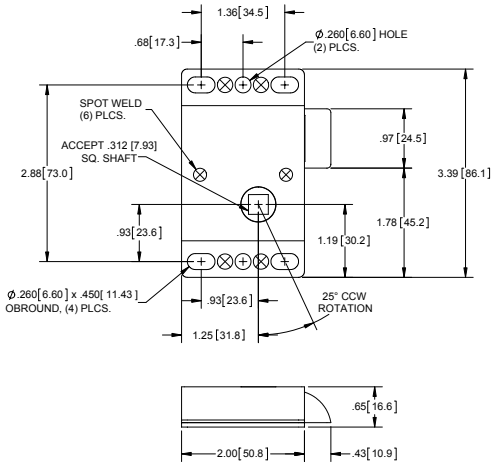
RIGHT SIDE VIEW

Part Number	Material	Finish
1193	steel housing powder metal bolt	mill

- key sold separately (part no. **J3026**)
- turn ring sold separately (part no. **J3027**)

Cab Latches

right hand shown

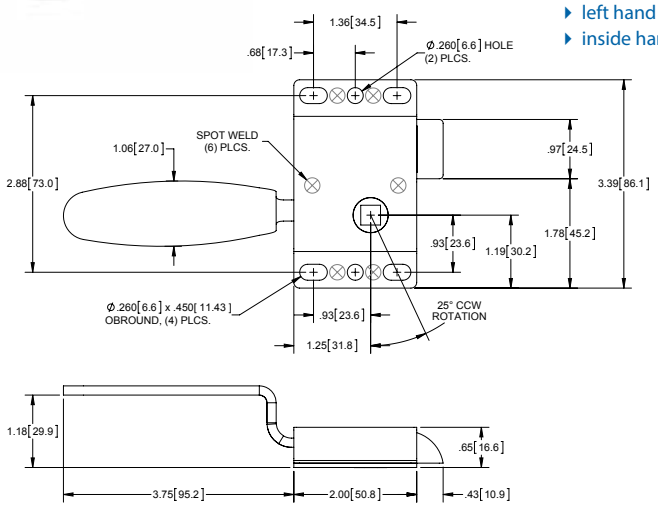


Part Number	Description	Material	Finish
315RSS	right hand	304SS	mill
315LSS	left hand	304SS	mill

- cast stainless steel bolt
- accepts .313" sq. shafts
- right hand latch requires handle with clockwise rotation
- left hand latch requires handle with counter clockwise rotation

Cab Latches

left hand shown



Part Number	Description	Material	Finish
315RSS-01	right hand	304SS	mill
315LSS-01	left hand	304SS	mill
315RZN-01	right hand	steel	zinc plated
315LZN-01	left hand	steel	zinc plated

- cast stainless steel bolt
- accepts .313" sq. shafts
- right hand latch requires handle with clockwise rotation
- left hand latch requires handle with counter clockwise rotation
- inside handle will not override outside handle when locked

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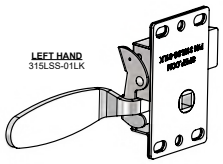
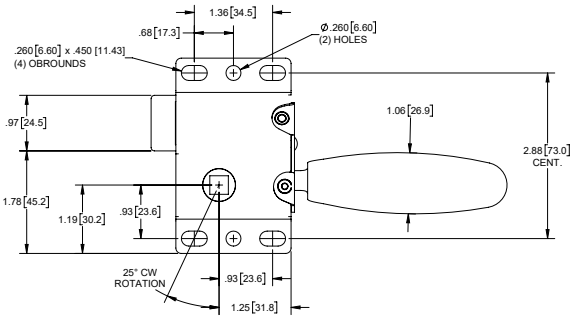
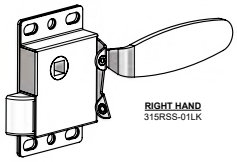
NEW PRODUCT FAMILY Cab Latches with Locking Tab

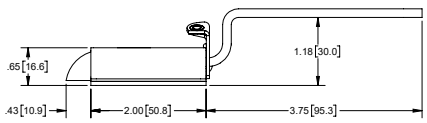
Part Number	Description	Material	Finish
315RSS-01LK	right hand	304SS	mill
315LSS-01LK	left hand	304SS	mill

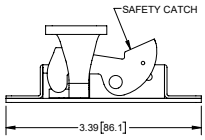
- cast stainless steel bolt
- accepts .313" sq. shafts
- right hand latch requires handle with clockwise rotation
- left hand latch requires handle with counter clockwise rotation
- inside handle will not override outside handle when locked





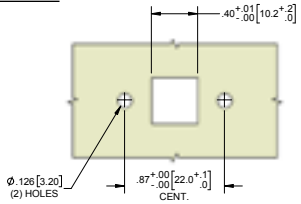




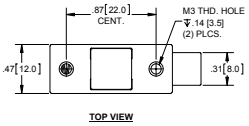


Push Button Slam Latch

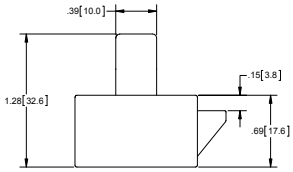
Part Number	Material	Finish
1127	die cast zinc	nickel plated



MOUNTING DIMENSIONS



TOP VIEW

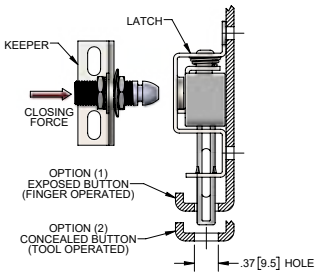


FRONT VIEW

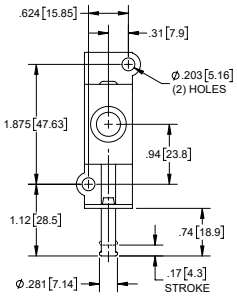
NEW Push-to-Close Latch

Part Number	Material	Finish
D438P	steel	zinc plated

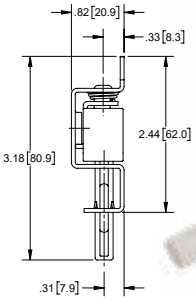
- button: white plastic
- maximum working tensile load: 170 lbs
- avg. ultimate tensile load: 310 lbs
- opening force: 5 lbs
- closing force: 14 lbs

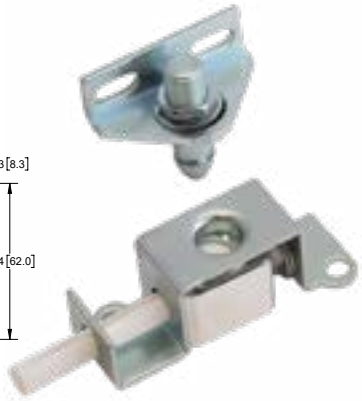


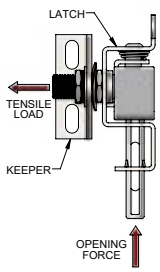
UNLATCHED



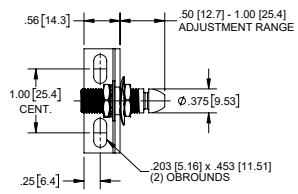
LATCH



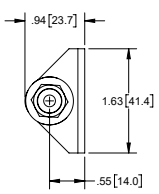




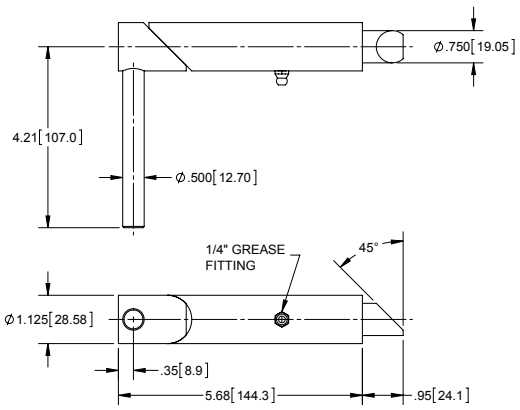
LATCHED



KEEPER

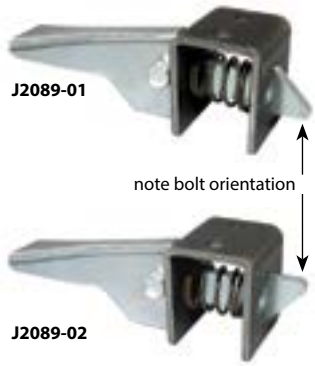


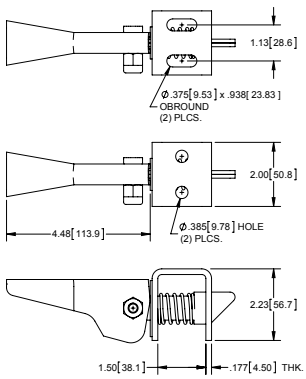
Weld-on Slam Action Latches



Part Number	Description	Material	Finish
1186-G	left hand	steel	mill
1186-D	right hand	steel	mill
1186-D01	right hand	aluminum	mill

Tipper Latches





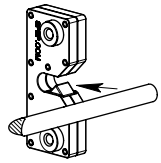
Part Number	Material	Finish	Holes
J2089	steel	mill	round
J2089-01	steel	mill	round
J2089-02	steel	mill	round
J2089-03	steel	zinc plated	obround

- lever and bolt zinc plated
- part no. **J2089** is shipped unassembled

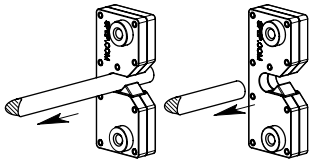
Slam Action Strikes

Part No.	Material	Finish	Studs
L800	die cast zinc	yellow zinc	yes
L801	die cast zinc	yellow zinc	no

- fits rod of up to Ø 3/8"; see pages 63 and 135 for 8mm rods & 228 for 9mm rods



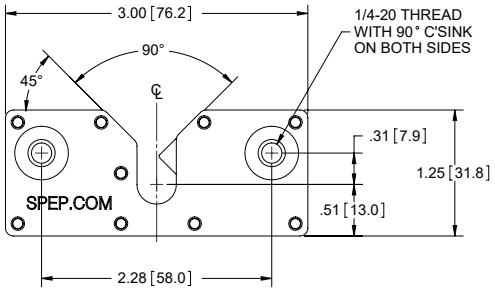
ROD IS SLAMED INTO LATCH TO ENGAGE



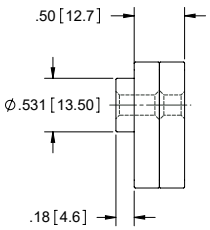
ROD SLIDES OUT OF LATCH WHEN HANDLE IS TURNED TO DISENGAGE

with studs

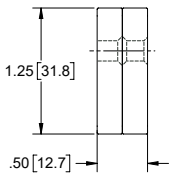
without studs



FRONT VIEW



RIGHT SIDE VIEW WITH STUDS

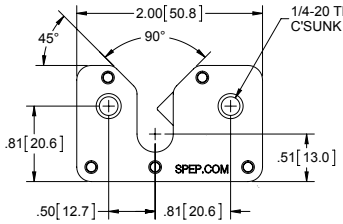


RIGHT SIDE VIEW WITHOUT STUDS

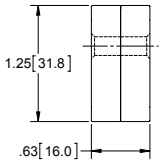
Slam Action Strike

Part No.	Material	Finish
L803	die cast zinc	yellow zinc

- ffits rod of up to Ø 3/8"; see pages 63 and 135 for 8mm rods & 228 for 9mm rods



FRONT VIEW

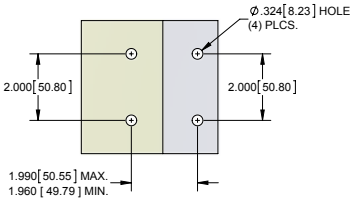


RIGHT SIDE VIEW

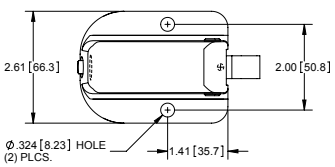
Small Explosion Venting Latch

Part Number	Material	Finish
174	cast iron housing	zinc plated

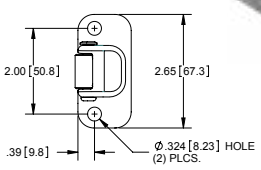
- slotted screw on back for latch tension adjustment
- adjustable release force: 10 - 45 lbs.



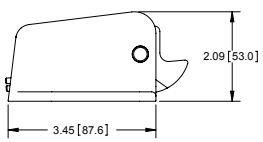
MOUNTING DIMENSIONS



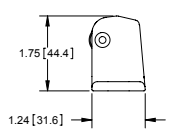
TOP VIEW



TOP VIEW



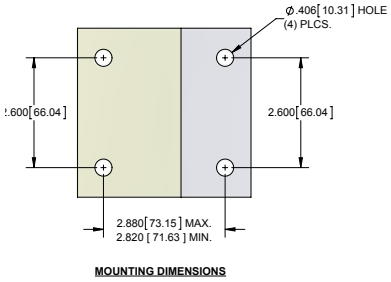
FRONT VIEW



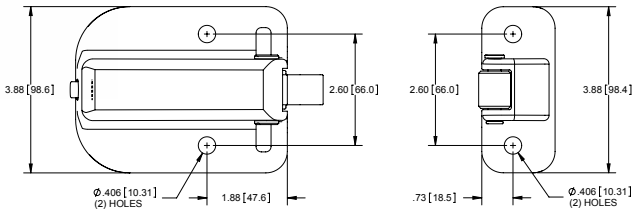
FRONT VIEW

See our industrial pulls on pages 23 & 24.

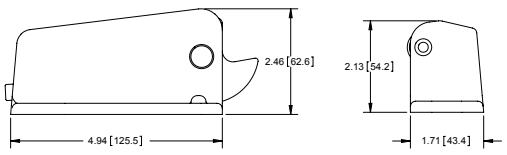
Large Explosion Venting Latch



MOUNTING DIMENSIONS



TOP VIEW TOP VIEW



FRONT VIEW FRONT VIEW

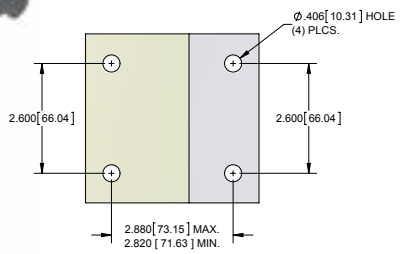
Part Number	Material	Finish
176	cast iron housing	zinc plated

- hex screw on back for latch tension adjustment
- adjustable release force: 43 - 180 lbs.

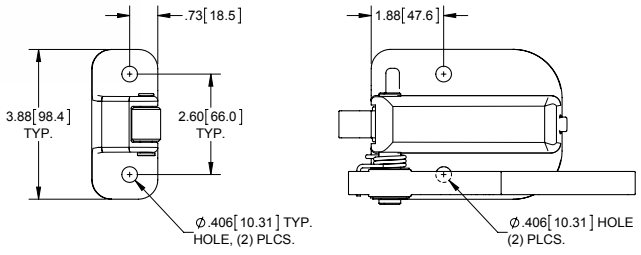
See our industrial pulls on pages 23 & 24.

Large Explosion Venting Latch with Handle

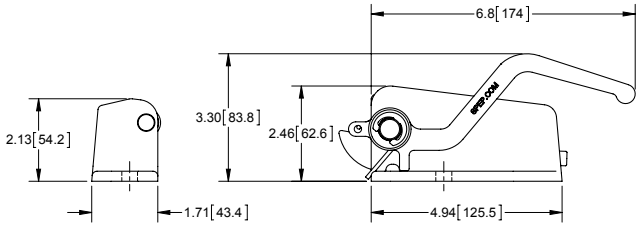
left hand shown



MOUNTING DIMENSIONS



TOP VIEW



FRONT VIEW

Part No.	Handle	Material	Finish
176-01	left hand	cast iron housing	zinc plated
176-02	right hand	cast iron housing	zinc plated

- hex screw on back for latch tension adjustment
- adjustable release force: 43 - 180 lbs.
- shims available

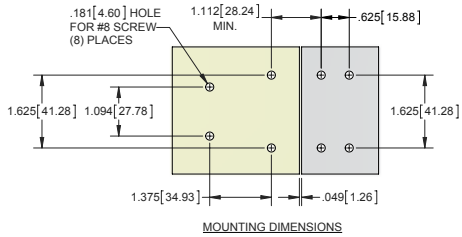
Download 3D MODELS @ www.spep.com

Small Stainless Steel Slam Latches

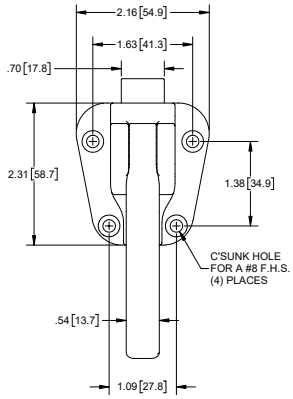
Small Slam Latches

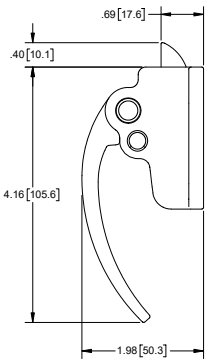
Part Number	Material	Finish
123SS	cast 304SS	brushed
123SSP	cast 304SS	hand polished

▸ all components are 304SS



MOUNTING DIMENSIONS

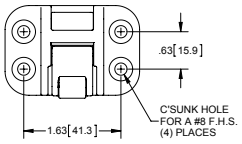




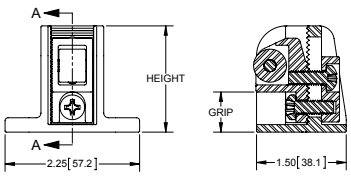
Small Keepers

Part Number	Description	Grip	Height	Material	Finish
123SS-K1	short keeper	flush to .50 [12.7]	1.78 [45.1]	cast 304SS	brushed
123SSP-K1	short keeper	flush to .50 [12.7]	1.78 [45.1]		hand polished
123SS-K2	tall keeper	.56 [14.3] to 1.25 [31.8]	2.32 [58.9]		brushed
123SSP-K2	tall keeper	.56 [14.3] to 1.25 [31.8]	2.32 [58.9]		hand polished

▸ all components are 304SS



TOP VIEW



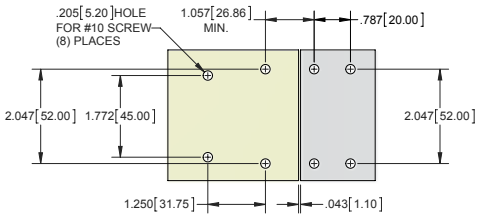
FRONT VIEW SECTION A-A

Large Stainless Steel Slam Latch

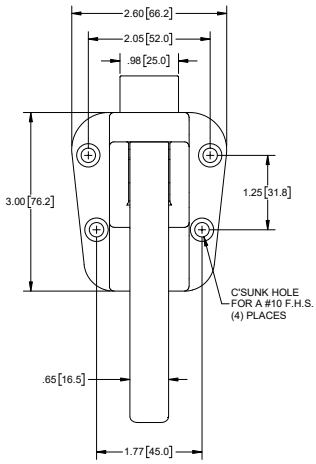
Large Slam Latch

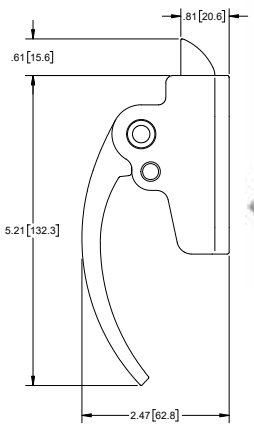
Part Number	Material	Finish
122SS	cast 304SS	brushed
122SSP	cast 304SS	hand polished

▸ all components are 304SS



MOUNTING DIMENSIONS

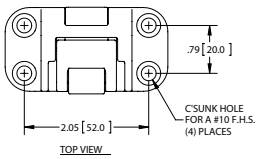




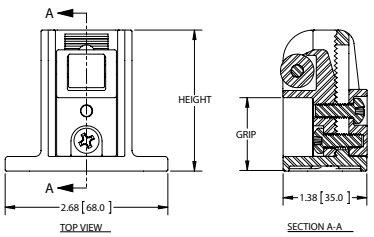
Large Keepers

Part Number	Description	Grip	Height	Material	Finish
122SS-K1	short keeper	flush to .38 [9.6]	1.78 [45.1]	cast 304SS	brushed
122SSP-K1	short keeper	flush to .38 [9.6]	1.78 [45.1]		hand polished
122SS-K2	tall keeper	.50 [12.7] to 1.25 [31.8]	2.32 [58.9]		brushed
122SSP-K2	tall keeper	.50 [12.7] to 1.25 [31.8]	2.32 [58.9]		hand polished

▸ all components are 304SS



TOP VIEW

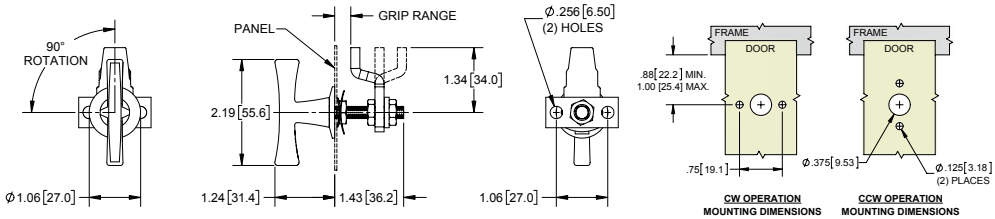


TOP VIEW SECTION A-A

Small Three-Point Adjustable T-Latches with Steel Cam

Part Number	Grip Range	Cam Style	Material	Finish
16-1505	.50 [12.7] - 1.00 [25.4]	straight	die cast zinc	zinc plated
16-1506	0.00 [0.0] - .50 [12.7]	offset in		
	1.00 [25.4] - 1.50 [38.0]	offset out		

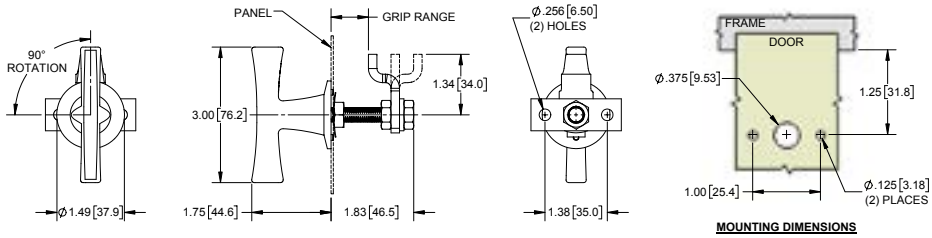
▸ includes cam and cam jam nuts



Medium Three-Point Adjustable T-Latches with Steel Cam

Part Number	Grip Range	Cam Style	Material	Finish
16-2005	.56 [14.3] - 1.28 [32.5]	straight	die cast zinc	zinc plated
16-2006	.06 [1.6] -.78 [19.8]	offset in		
	1.06 [27.0] - 1.78 [45.2]	offset out		

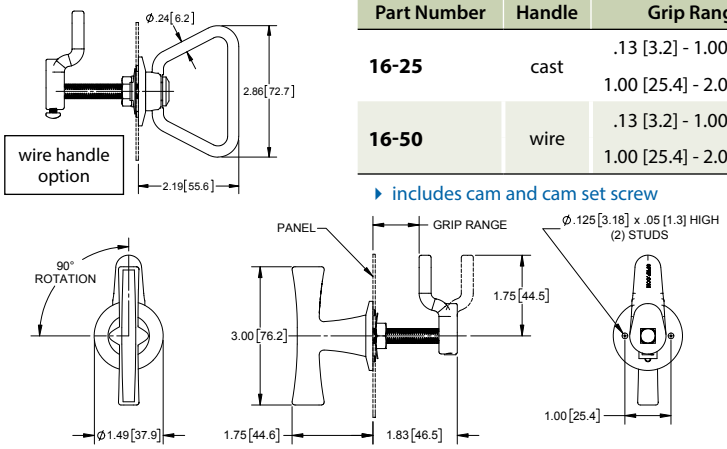
▸ includes cam and cam jam nuts



Medium Single-Point Adjustable T-Latches with Die Cast Zinc Cam

Part Number	Handle	Grip Range	Cam Style	Material	Finish
16-25	cast	.13 [3.2] - 1.00 [25.4]	offset in	die cast zinc	zinc plated
		1.00 [25.4] - 2.00 [50.8]	offset out		
16-50	wire	.13 [3.2] - 1.00 [25.4]	offset in	die cast zinc	zinc plated
		1.00 [25.4] - 2.00 [50.8]	offset out		

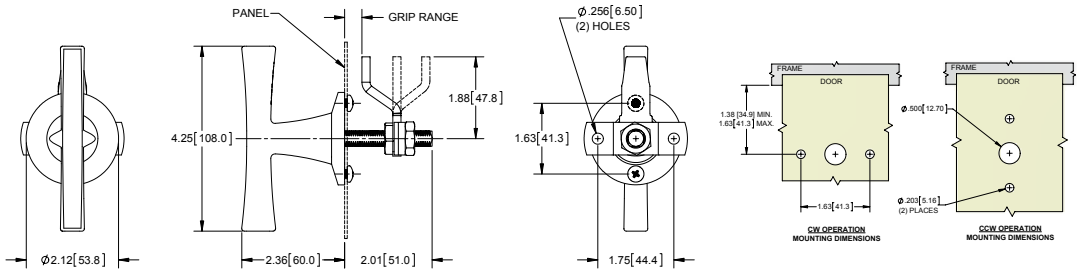
▸ includes cam and cam set screw



Large Three-Point Adjustable T-Latches with Steel Cam

Part Number	Grip Range	Cam Style	Material	Finish
16-3005	.25 [6.4] - 1.50 [38.0]	straight	die cast zinc	zinc plated
16-3006	0.00 [0.0] - .75 [19.0]	offset in		
	1.00 [25.4] - 2.25 [57.0]	offset out		

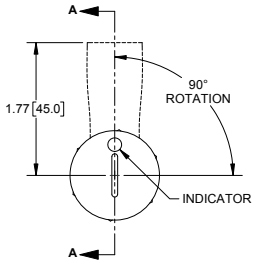
▸ includes: cam, cam jam nuts, and mounting screws



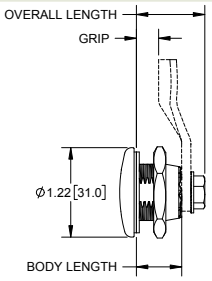
Download 3D MODELS @ www.spep.com

Low Profile Quarter-turn Latches

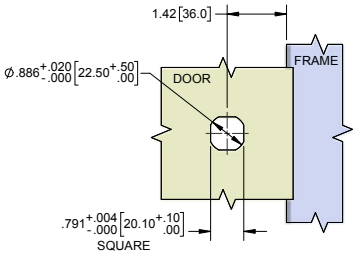
NEMA 4 NEMA 12 IP65 RATED



FRONT VIEW



RIGHT SIDE VIEW



MOUNTING DIMENSIONS
.24 [6.0] MAX. THICKNESS

part no. **41-70BK**

part no. **41-73TC**

Part Number	Material	Finish	Plug Style	Description	Body Length	Overall Length	Keys
41-60BK	die cast zinc	matte black powder coated		slotted	.63 [16.0]	.93 [23.7]	no key
41-60TC		textured chrome					
41-61BK		matte black powder coated		8MM square			**4-19K01**
41-61TC		textured chrome					
41-62BK		matte black powder coated		7MM triangle			**30K**
41-62TC		textured chrome					
41-63BK		matte black powder coated		wing handle			no key
41-63TC		textured chrome					
41-67TC		textured chrome		recessed 8MM square			no key
41-70BK		matte black powder coated		slotted	.94 [24.0]	1.25 [31.7]	no key
41-70TC		textured chrome					
41-71BK		matte black powder coated		8MM square			**4-19K01**
41-71TC		textured chrome					
41-72BK		matte black powder coated		7MM triangle			**30K**
41-72TC		textured chrome					
41-73BK		matte black powder coated		wing handle			no key
41-73TC		textured chrome					

- includes: body nut, cam retaining screw, detent washer, face gasket, and internal O-ring
- use only with cams below, sold separately
- keys sold separately
- intended for NEMA type 4 & 12 enclosures

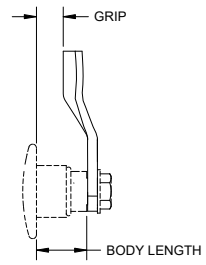
One Point Cams

Part Number	Grip		Offset In
	Short Body Length	Long Body Length	
12C100	---	.24 [6.0]	.71 [18.0] in
12C101	---	.31 [8.0]	.63 [16.0] in
12C102	.08 [2.0]	.39 [10.0]	.55 [14.0] in
12C103	.16 [4.0]	.14 [12.0]	.47 [12.0] in
12C104	.24 [6.0]	.55 [14.0]	.39 [10.0] in
12C105	.31 [8.0]	.63 [16.0]	.31 [8.0] in
12C106	.39 [10.0]	.71 [18.0]	.24 [6.0] in
12C107	.47 [12.0]	.79 [20.0]	.16 [4.0] in
12C108	.55 [14.0]	.87 [22.0]	.08 [2.0] in
12C109	.63 [16.0]	.94 [24.0]	.00 [0.0]

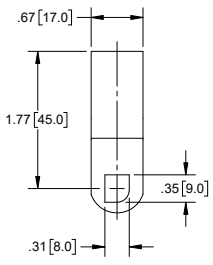
- steel, zinc plated
- these cams only work with locks on this page

Part Number	Grip		Offset Out
	Short Body Length	Long Body Length	
12C110	.71 [18.0]	1.02 [26.0]	.08 [2.0] out
12C111	.79 [20.0]	1.10 [28.0]	.16 [4.0] out
12C112	.87 [22.0]	1.18 [30.0]	.24 [6.0] out
12C113	.94 [24.0]	1.25 [32.0]	.31 [[8.0] out
12C114	1.02 [26.0]	1.34 [34.0]	.39 [10.0] out
12C115	1.10 [28.0]	1.42 [36.0]	.47 [12.0] out
12C116	1.18 [30.0]	1.50 [38.0]	.55 [14.0] out
12C117	1.25 [32.0]	1.57 [40.0]	.63 [16] out
12C118	1.34 [34.0]	1.65 [42.0]	.71 [18.0] out
12C119	1.42 [36.0]	1.73 [44.0]	.79 [20.0] out

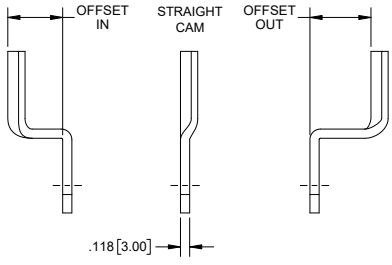
- steel, zinc plated
- these cams only work with locks on this page



GRIP & BODY LENGTH



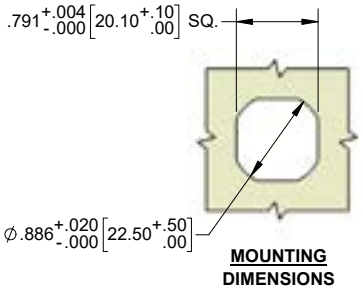
FRONT VIEW



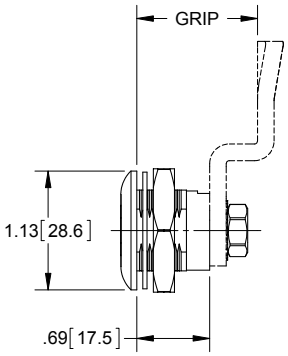
SIDE RIGHT VIEW

Quarter-turn Latches

NEMA 4 NEMA 4x NEMA 12 IP66 UL



MOUNTING DIMENSIONS



Features

- cam rotates 90°
- cam locators designed into inserts
- intended for NEMA type 4, 4X, 12 and IP66 enclosure requirements
- assembly includes:
  - body nut
  - cam retaining screw
  - disc washer
  - UL rated seals (o-ring & face gasket)
- cams sold separately. See pg. 128 for cams & grip dimension

316SS PAT.

Slotted Plug Quarter-turn Latches

patented

Part Number	Material		Finish	
	Housing	Slotted Plug	Housing	Slotted Plug
41-00	die cast zinc	die cast zinc	chrome plated	chrome plated
41-00BK	die cast zinc	die cast zinc	matte black painted	matte black painted
41-00SS	304SS	304SS	machine polished	machine polished
41BK-00	die cast zinc	die cast zinc	matte black painted	chrome plated
41-00P	thermoplastic	thermoplastic*	black textured	black textured
41P-00SS	thermoplastic	304SS	black textured	machine polished
41-00SST	316SS	316SS	passivated	passivated

- * thermoplastic plug is glass reinforced
- parts with thermoplastic materials have UV stabilizers

8mm Recessed Hex Plug Quarter-turn Latches

Part Number	Material		Finish	
	Housing	Hex Plug	Housing	Hex Plug
41-02	die cast zinc	die cast zinc	chrome plated	chrome plated
41-02BK	die cast zinc	die cast zinc	matte black painted	matte black painted

- hex tool key sold separately as part no. **392-K** pg. 43

UV

10mm Recessed Hex Plug Quarter-turn Latches

Part Number	Material		Finish	
	Housing	Hex Plug	Housing	Hex Plug
41-03	die cast zinc	die cast zinc	chrome plated	chrome plated
41-03BK	die cast zinc	die cast zinc	matte black painted	matte black painted
41BK-03	die cast zinc	die cast zinc	matte black painted	chrome plated
41P-03	thermoplastic	die cast zinc	black textured	chrome plated

- parts with thermoplastic materials have UV stabilizers
- no SPEP key needed; use Allen Wrench

UV

Hex Plug Quarter-turn Latches

Part Number	Material		Finish	
	Housing	Bellcore Hex Plug	Housing	Bellcore Hex Plug
41-04	die cast zinc	die cast zinc	chrome plated	chrome plated
41-04BK	die cast zinc	die cast zinc	matte black painted	matte black painted
41-04SS	304SS	304SS	machine polished	machine polished
41P-04SS	thermoplastic	304SS	black textured	machine polished

- activated with a 7/16" socket
- parts with thermoplastic materials have UV stabilizers

8mm Square Plug Quarter-turn Latches UV

Part Number	Material		Finish	
	Housing	Square Plug	Housing	Square Plug
41-07	die cast zinc	die cast zinc	chrome plated	chrome plated
41-07BK	die cast zinc	die cast zinc	matte black painted	matte black painted
41BK-07	die cast zinc	die cast zinc	matte black painted	chrome plated
41P-07	thermoplastic	die cast zinc	black textured	chrome plated

- thermoplastic plug is glass reinforced
- parts with thermoplastic materials have UV stabilizers
- see previous page for mounting dimensions

Key-Locking Quarter-turn Latches

Part Number	Material	Finish	Key Code
41-10	die cast zinc	chrome	CH751
41-1013	die cast zinc	chrome	333
41-10BK	die cast zinc	black	CH751
41-1013BK	die cast zinc	black	333

- 180° rotation available
- 304SS scalp with dust shutter
- see previous page for mounting dimensions
- cam installs with a nut instead of screw onto a threaded stud for these locks

Quarter-turn Thumb Latches

Part Number	Material		Finish	
	Housing	Thumb-turn Plug	Housing	Thumb-turn Plug
41-05	die cast zinc	die cast zinc	chrome plated	chrome plated
41-05BK	die cast zinc	die cast zinc	matte black painted	matte black painted

- see previous page for mounting dimensions

Quarter-turn Thumb Latches UV

Part Number	Material		Finish	
	Housing	Thumb-turn Plug	Housing	Thumb-turn Plug
41-08BK	die cast zinc	plastic	matte black painted	black
41-08BK50*	die cast zinc	plastic/die cast zinc	black textured	black textured
41-08SS	304SS	plastic	machine polished	black
41-08P	die cast zinc	plastic	chrome plated	black
41P-08	thermoplastic	plastic	black textured	black

- thermoplastic plug is glass reinforced
- parts with thermoplastic materials have UV stabilizers
- * p/n **41-08BK50** has 18MM housing length
- see previous page for mounting dimensions

Padlocking Quarter-turn Thumb Latch 316SS

Part Number	Material		Finish	
	Housing	Thumb-turn Plug	Housing	Thumb-turn Plug
41-09BK	die cast zinc	die cast zinc	matte black painted	black
41-09SST*	316SS	316SS	brushed	brushed

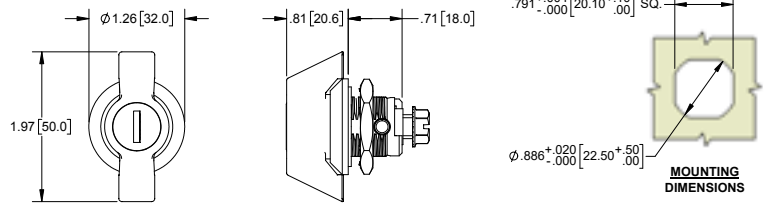
- accepts padlock with shackle of up to 3/8" diameter
- * p/n **41-09SST** has 18MM long housing length
- see previous page for mounting dimensions

Quarter-turn Thumb Latches

316SS NEMA 4 NEMA 4x NEMA 12 IP65 RATED

Part Number	Housing		Thumb-turn Plug		Key Code
	Material	Finish	Material	Finish	
41-30	die cast zinc	bright chrome	die cast zinc	bright chrome	non-locking
41-30BK	die cast zinc	textured black powder coated	die cast zinc	textured black powder coated	non-locking
41-30LK	die cast zinc	bright chrome	die cast zinc	bright chrome	333
41-30BKLK	die cast zinc	textured black powder coated	die cast zinc	textured black powder coated	333
41-30BKLK751					CH751
41-30SST	316SS	brushed	316SS	brushed	non-locking

- assembly includes: body nut, cam retaining screw, internal O-ring, face gasket, and (2) ringed keys for locking latch
- cams sold separately. See pg. 128 for cams & grip dimension

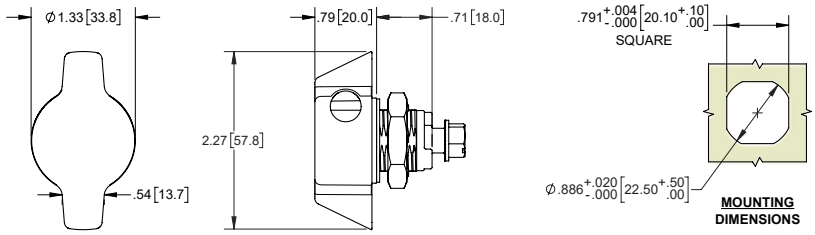


Padlocking Quarter-turn Wing Knob Latches

NEMA 4 NEMA 12 IP65 RATED

Part Number	Housing		Wing Knob	
	Material	Finish	Material	Finish
41-35	die cast zinc	mill	die cast zinc	chrome plated
41-35BK	die cast zinc	mill	die cast zinc	textured black powder coated

- assembly includes: body nut, cam retaining screw, internal O-ring, & face gasket
- cams sold separately. See pg. 128 for cams & grip dimension

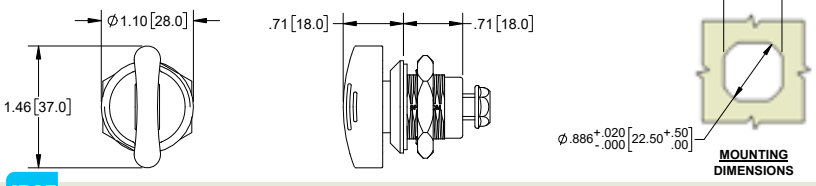


Quarter-turn Thumb Latches

NEMA 4 NEMA 12 IP65 RATED

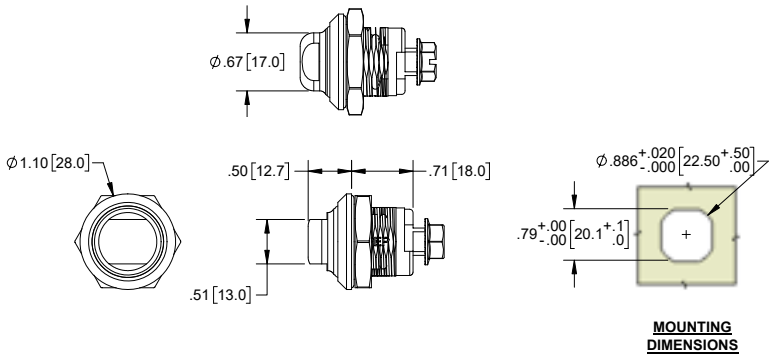
Part Number	Housing		Thumb-turn Plug	
	Material	Finish	Material	Finish
41-19BK	die cast zinc	black powder coat	die cast zinc	black powder coat
41-19CH	die cast zinc	chrome plated	die cast zinc	chrome plated

- assembly includes: body nut, cam retaining screw, internal compression spring, internal O-ring and face gasket
- cams sold separately. See pg. 128 for cams & grip dimension



Knob Quarter-turn Latch

316SS NEMA 4x IP65 RATED



Part Number	Material	Finish
41-40SST	316SS	mill

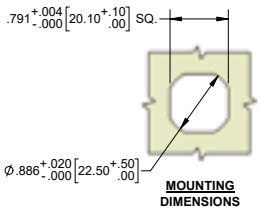
- assembly includes: body nut, face seal, disc spring, small o-ring and large orange o-ring
- cams sold separately. See pg. 128 for cams & grip dimension

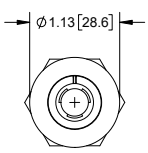
Tubular Quarter-turn Latch

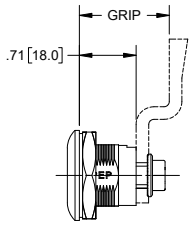
NEMA 4 | NEMA 12 | IP65 RATED

Part Number	Description	Material	Finish	Key Part No.
41-18BK	tubular	die cast zinc	matte black powder coated	**3-13K**

- assembly includes: body nut, cam retaining screw, and seals: (1) internal o-ring and a face gasket
- cams sold separately.
  See pg. 128 for cams & grip dimension
- tubular plug for higher security
- intended for NEMA type 4 & 12 enclosures





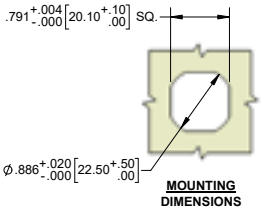


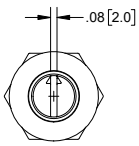
Coin-proof Slotted Quarter-turn Latch

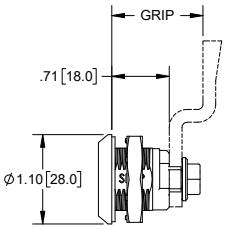
NEMA 4 | NEMA 12 | IP65 RATED

Part Number	Description	Material	Finish	Key Part No.
41-01BK	coin-proof slot	die cast zinc	textured black	no key

- coin-proof slotted plug for higher security assembly includes: body nut, cam retaining screw, and seals: (1) internal o-ring and a face gasket
- cams sold separately.
  See pg. 128 for cams & grip dimension
- intended for NEMA type 4 & 12 enclosures





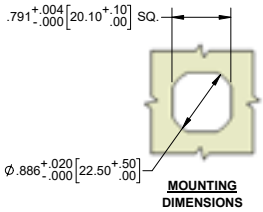


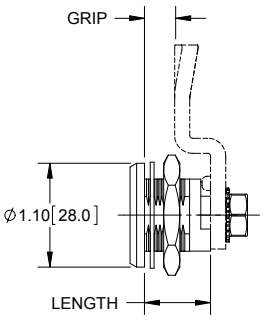
Quarter-turn Latches

316SS | NEMA 4 | NEMA 4x | NEMA 12 | UV | IP65 RATED

Features

- intended for NEMA type 4, 4X & 12 enclosures
- assembly includes:
  - body nut
  - cam retaining screw
  - disc washer
  - face gasket
  - internal o-ring
- cams sold separately. See pg. 128 for cams & grip dimension
- * keys sold separately. See table for key part numbers
- latches below may use the Plastic Cover (part no. **KH55BK-10**) on pg. 118





Quarter-turn Latches with Slotted Plugs

Part Number	Length	Material		Finish		Key Part No.
		Housing	Plug	Housing	Plug	
12	.709 [18.00]	die cast zinc	die cast zinc	chrome plated	chrome plated	no key
12BK	.709 [18.00]	die cast zinc	die cast zinc	black e-coat	black e-coat	no key
12PBK	.709 [18.00]	plastic	die cast zinc	black	chrome	no key
12SS	.709 [18.00]	304SS	304SS	machine polished	machine polished	no key
12SST	.709 [18.00]	316SS	316SS	machine polished	machine polished	no key
12SST-50*	.709 [18.00]	316SS	316SS	machine polished	machine polished	no key

- * part no. **12SST-50** has compression spring instead of disc washer

Quarter-turn Latches with Square Plugs

Part Number	Length	Material	Finish	Square Plug Size	Face With Arrow	Key Part No.
14	.689 [17.50]	die cast zinc	chrome plated	7mm	no	**4-16K**
14-50*	.709 [18.00]	die cast zinc	chrome plated	7mm	no	**4-16K**
14BK-50*	.709 [18.00]	die cast zinc	black, smooth	7mm	no	**4-16K**
14-01	.709 [18.00]	die cast zinc	chrome plated	8mm	yes	**4-19K01**
14BK-01	.709 [18.00]	die cast zinc	black	8mm	yes	**4-19K**

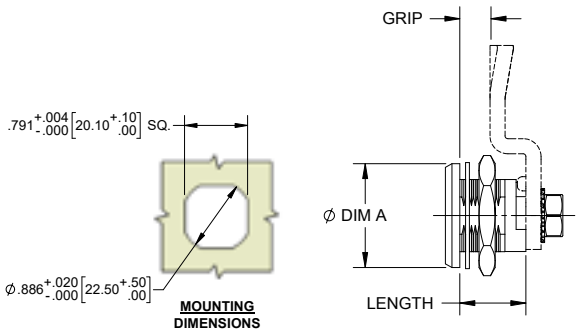
- * part numbers **14-50** & **14BK-50** have compression spring instead of disc washer

7mm
no arrow

8mm
with arrow

Quarter-turn Latches

NEMA 4 NEMA 12 UV IP65 RATED



Features

- intended for NEMA type 4 & 12 enclosures
- cams sold separately. See pg. 128 for cams & grip dimension
- * keys sold separately. See table for key part numbers
- assembly includes:
  - body nut
  - cam retaining screw
  - disc washer
  - face gasket
  - internal o-ring
- latches on this page, with the exception of part no. **19**, may use the Plastic Cover (part no. **KH55BK-10**) on pg. 118

Double Bit Quarter-turn Latch

Part Number	Length	Ø Dim A	Material	Finish	Plug Size	* Key Part No.
18	.709 [18.00]	1.10 [28.00]	die cast zinc	chrome plated	3mm	**4-14K**
18BK	.709 [18.00]	1.10 [28.00]	die cast zinc	black, textured	3mm	**4-14K**
18-01	.709 [18.00]	1.10 [28.00]	die cast zinc	chrome plated	5mm	**4-14K**
18BK-01	.709 [18.00]	1.10 [28.00]	die cast zinc	black, textured	5mm	**4-14K**

Double Bit Quarter-turn Latches with Compression Spring

Part Number	Length	Ø Dim A	Material	Finish	Plug Size	* Key Part No.
18-50	.709 [18.00]	1.10 [28.00]	die cast zinc	chrome plated	5mm	**4-14K**
18BK-50	.709 [18.00]	1.10 [28.00]	die cast zinc	black, smooth	5mm	**4-14K**

- uses compression spring instead of disc washer

Triangular Quarter-turn Latches

Part No.	Length	Ø Dim A	Material	Finish	Plug Size	* Key Part No.
30	.709 [18.00]	1.26 [32.00]	die cast zinc	chrome plated	7mm	**4-15K**
30BK	.709 [18.00]	1.26 [32.00]	die cast zinc	textured black	7mm	**4-15K**
30-01	.709 [18.00]	1.26 [32.00]	die cast zinc	chrome plated	8mm	**4-15K01**
30BK-01	.709 [18.00]	1.26 [32.00]	die cast zinc	textured black	8mm	**4-15K01**

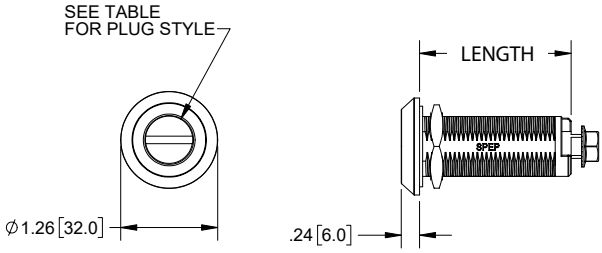
Quarter-turn Thumb Latch

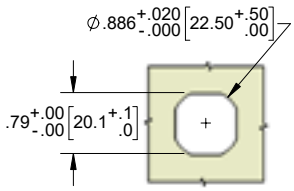
Part Number	Length	Ø Dim A	Material	Finish	* Key Part No.
19	.689 [17.50]	1.10 [28.00]	ABS plastic	black	no key

Quarter Turn Latches with Long Housing

Part No.	Length	Plug Style	Material	Finish	Key Part No.
12-30CH	1.18 [30.0]	slotted	die cast zinc	chrome plated	no key
12-30BK				black, textured	
12-10CH	1.97 [50.0]			chrome plated	
12-10BK				black, textured	
14-30	1.18 [30.0]	7MM square	die cast zinc	chrome plated	4-16K
14-30BK				black, textured	
14-10	1.97 [50.0]			chrome plated	
14-10BK				black, textured	
14-305	1.18 [30.0]	8MM square	die cast zinc	chrome plated	4-19K
14-305BK				black, textured	
14-105	1.97 [50.0]			chrome plated	
14-105BK				black, textured	
18-30	1.18 [30.0]	3MM double bit	die cast zinc	chrome plated	4-14K
18-30BK				black, textured	
18-10	1.97 [50.0]			chrome plated	
18-10BK				black, textured	
30-30	1.18 [30.0]	7MM triangle	die cast zinc	chrome plated	4-15K
30-30BK				black, textured	
30-10	1.97 [50.0]			chrome plated	
30-10BK				black, textured	
30-305	1.18 [30.0]	8MM triangle	die cast zinc	chrome plated	4-15K01
30-305BK				black, textured	
30-105	1.97 [50.0]			chrome plated	
30-105BK				black, textured	

cams sold separately. See pg. 128 for cams & grip dimension



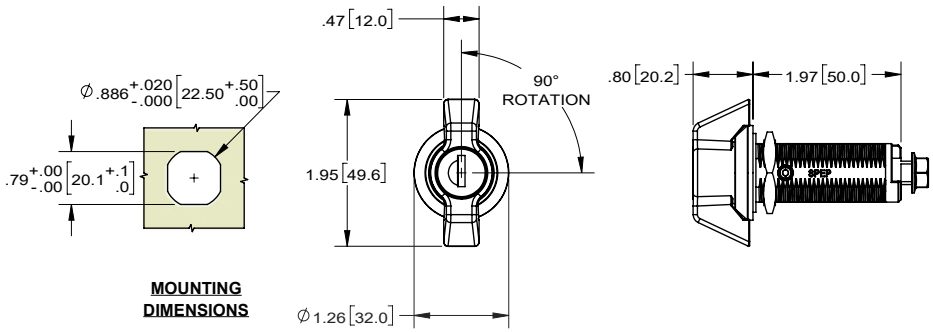


MOUNTING DIMENSIONS

Wing Knob Quarter-turn Latches with Long Housing

Part Number	Material	Finish	Key Code
13-10	die cast zinc	chrome plated	non-locking
13-10BK	die cast zinc	black, textured	non-locking
16-10	die cast zinc	chrome plated	333
16-10BK	die cast zinc	black, textured	333

cams sold separately. See pg. 128 for cams & grip dimension



MOUNTING DIMENSIONS

Die Cast Push-to-Close Quarter Turn Latches

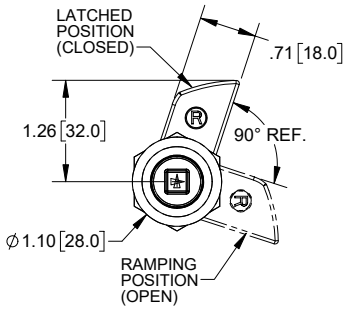
IP40

NEW PRODUCT FAMILY

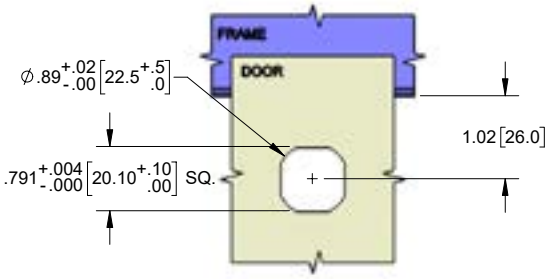
Plug Style		Key/Tool	Left Hand		Right Hand	
			Chrome Plated	Black, Textured	Chrome Plated	Black, Textured
Slotted		screwdriver	42-00L	42-00BKL	42-00R	42-00BKR
Coin-proof		screwdriver	42-01L	42-01BKL	42-01R	42-01BKR
10MM Recessed Hex		10mm Allen	42-03L	42-03BKL	42-03R	42-03BKR
3MM Double Bit		4-14K	42-143L	42-143BKL	42-143R	42-143BKR
5MM Double Bit		4-14K	42-145L	42-145BKL	42-145R	42-145BKR
7MM Triangle		4-15K	42-157L	42-157BKL	42-157R	42-157BKR
8MM Triangle		4-15K01	42-158L	42-158BKL	42-158R	42-158BKR
7MM Square		4-16K	42-16L	42-16BKL	42-16R	42-16BKR
8MM Square		4-19K	42-19L	42-19BKL	42-19R	42-19BKR
10MM Hex (Bellcore 216)		10mm socket	42-21L	42-21BKL	42-21R	42-21BKR
Bellcore Electronics		392-K	42-22L	42-22BKL	42-22R	42-22BKR

- convenient push-to-close latch with spring return cam
- internal O-ring **not** included to ensure smooth spring action return
- die cast zinc with black, textured finish or chrome plated

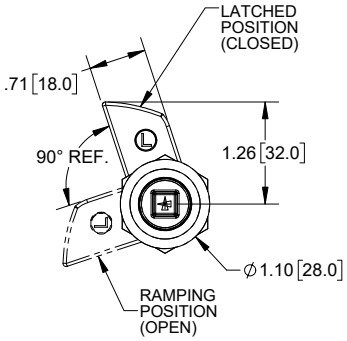
- includes:
  - pre-assembled fixed cam
  - body nut
  - face seal
  - M6 mounting screw



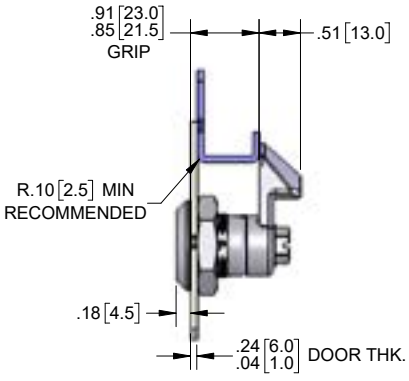
FRONT VIEW (RH)



MOUNTING DIMENSIONS



FRONT VIEW (LH)



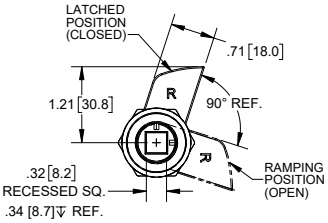
SIDE VIEW

NEW PRODUCT FAMILY

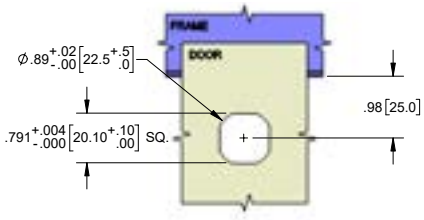
IP40 304SS Push-to-Close Quarter Turn Latches

Plug Style		Left Hand	Right Hand
8 MM Recessed Square		42-07SSL	42-07SSR

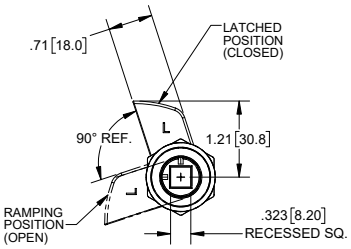
- 304SS with mill finish
- convenient push-to-close latch with spring return cam
- internal O-ring **not** included to ensure smooth spring action return
- includes:
  - pre-assembled fixed cam
  - body nut
  - face seal
  - M6 mounting screw



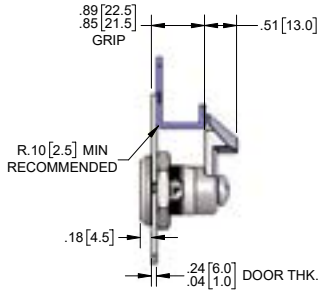
FRONT VIEW (RH)



MOUNTING DIMENSIONS



FRONT VIEW (LH)



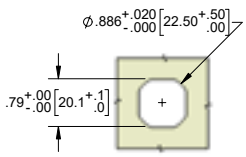
SIDE VIEW

NEW

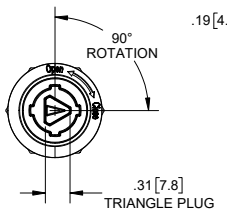
Quarter Turn Latch with 8mm Triangle Plug

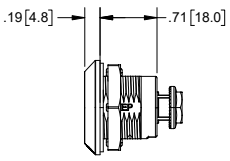
Part Number	Material	Finish	Plug
41-50	die cast zinc	chrome plated	8mm triangle with arrow

- key p/n **4-15K01**
- see pg 128 for cams and grip dims.



MOUNTING DIMENSIONS



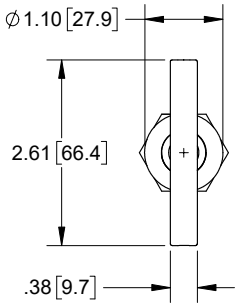


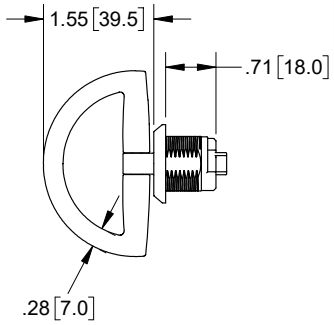
NEMA 4 NEMA 12 IP65 RATED

Quarter Turn Latch with D-ring

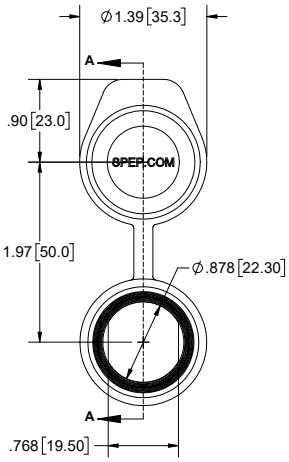
Part Number	Material		Finish	
	Housing	D-ring and Plug	Housing	D-ring and Plug
33BK-50	die cast zinc	die cast zinc	black, smooth	black, smooth

- assembly includes:
  - body nut
  - cam retaining screw
  - compression spring
  - face gasket
  - internal o-ring
  - 304SS knurled pin
- intended for NEMA type 4 & 12 enclosures
- cams sold separately. See pg. 128 for cams & grip dimension

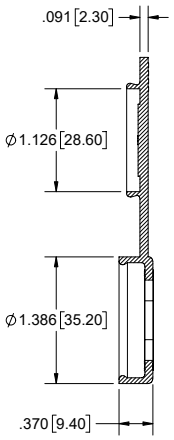




Plastic Cover for Quarter-turn Latches



FRONT VIEW

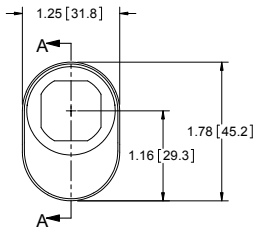


SECTION A-A

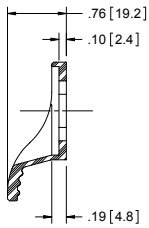
Part Number	Material	Finish
KH55BK-10	thermoplastic	black, slight texture

- protects latch from water and dust
- may be used on latches on pages 110-113 and 157-159 that are not thumb-turn latches

Black Finger Pull UV



FRONT VIEW

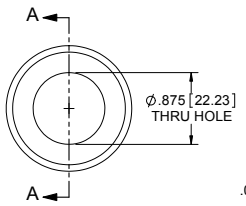


SECTION A-A

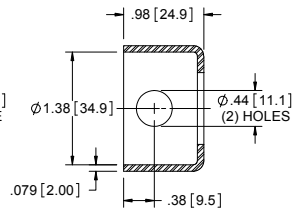
Part Number	Material	Finish
KH38BK	thermoplastic with UV stabilizers	textured

- will shorten cam grip by .10" when you use this part

Padlock Cup



TOP VIEW

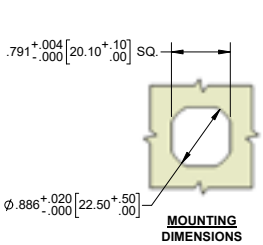


SECTION A-A

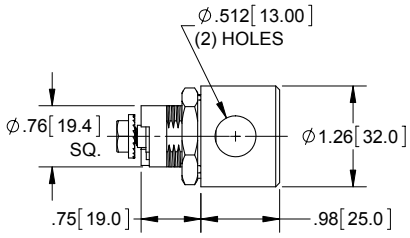
Part Number	Material	Finish
KH30BK	steel	black powder coated
KH30SS	304SS	passivated

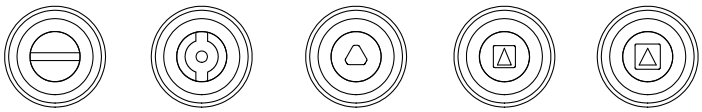
- accepts Ø.375 (3/8) padlock
- will shorten cam grip by .08" when you use this part

Padlocking Quarter-turn Cabinet Latches NEMA 4 NEMA 12 IP65 RATED



MOUNTING DIMENSIONS





SLOTTED | 3MM DOUBLE BITTED | 7MM TRIANGLE | 7MM SQUARE | 8MM SQUARE

Part Number	Description	Key Part No.
41-20BK	slotted	no key
41-21BK	3mm double bitted	4-14K
41-22BK	7mm triangle	4-15K
41-23BK	7mm square	4-16K
41-24BK	8mm square	4-19K

- material: die cast zinc, black powder coated
- intended for NEMA 4, 12 and IP65 enclosure requirements
- includes:
  - UL rated seals (o-ring and face seal)
  - mounting screw
  - body nut
  - disk washer
- cams sold separately. See pg. 128 for cams and grip dimension

Download 3D MODELS @ www.spep.com

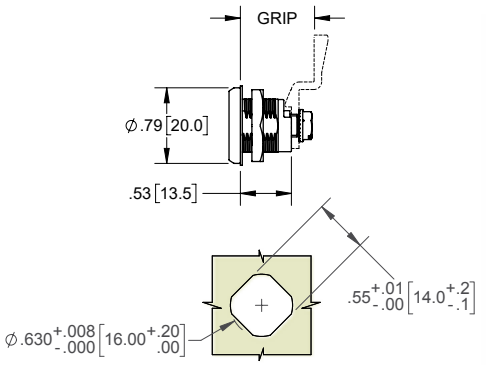
NEMA 4 NEMA 4x NEMA 12 IP65 RATED 316SS

Small Quarter-turn Latches

Features

- assembly includes:
  - body mounting nut
  - cam retaining screw
  - face gasket
  - internal O-ring
  - disc washer
- cams sold separately, see table below
- intended for NEMA type 12 enclosure requirements; NEMA 4, 4X for stainless steel part
- keys available separately:
  - NEW 6mm square key as p/n **40-01K**
  - NEW 7mm triangle key as p/n **40-02K**

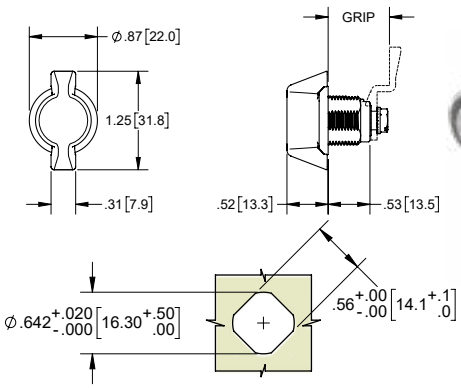
Part No.	Material	Finish	Plug Style	Description
40-00	die cast zinc	chrome plated		slotted
40-00BK	die cast zinc	black powder coated		
NEW **40-00SST**	316SS	passivated		
40-01	die cast zinc	chrome plated		6mm square
40-01BK	die cast zinc	black powder coated		
NEW **40-01SST**	316SS	passivated		
40-02	die cast zinc	chrome plated		7mm triangle
40-02BK	die cast zinc	black powder coated		
40-02SS	304SS	machine polished		
40-03	die cast zinc	chrome plated		thumb turn
40-03BK	die cast zinc	black powder coated		
NEW **40-03SST**	316SS	passivated		



MOUNTING DIMENSIONS

Small Quarter-turn Latches with Wing Knob

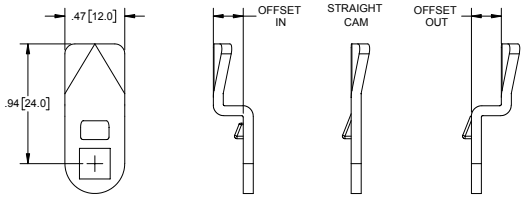
Part Number	Material	Finish	Description	Key Code
40-04	die cast zinc	chrome plated	wing knob	non-locking
40-04BK		black powder coated		non-locking
40-04LK		chrome plated		2233
40-04BKLK		black powder coated		2233



MOUNTING DIMENSIONS

Cams

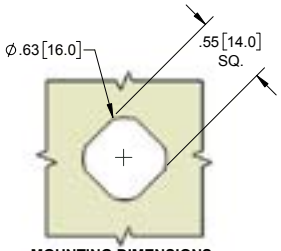
Part Number	Grip	Cam Style	Material	Finish
40C10	.53 [13.5]	straight	steel	zinc plated
NEW **40C10SS**			304SS	passivated
40C05	.30 [7.5]	offset in	steel	zinc plated
NEW **40C05SS**			304SS	passivated
40C15	.77 [19.5]	offset out	steel	zinc plated
NEW **40C15SS**			304SS	passivated



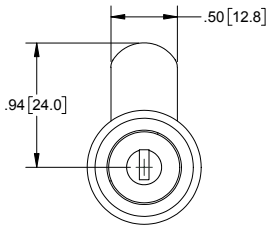
Cam Locks

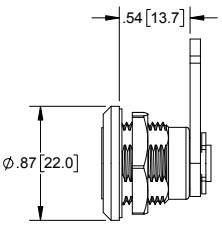
Part Number	Material	Finish
K201CP	die cast zinc	chrome
K201BK	die cast zinc	black textured powder coat

- key code 2233
- includes cam



MOUNTING DIMENSIONS





T-Handle Quarter-turn Latches

NEMA 4 | NEMA 4x | NEMA 12 | IP65 RATED | 316SS

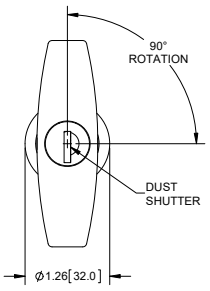
black

brushed

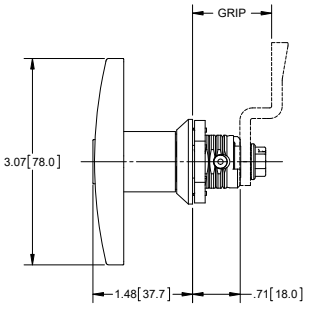
polished chrome

Part Number	Material		Finish		Key Code
	T-Handle	Housing	T-Handle	Housing	
41-12P	plastic	die cast zinc	black	black powder coated	333
41-13P	plastic	die cast zinc	black	black powder coated	non-locking
41-12BK	die cast zinc	die cast zinc	black powder coated	black powder coated	333
41-13BK	die cast zinc	die cast zinc	black powder coated	black powder coated	non-locking
41-12CH	die cast zinc	die cast zinc	polished chrome	polished chrome	333
41-13CH	die cast zinc	die cast zinc	polished chrome	polished chrome	non-locking
41-12SST	316SS	316SS	brushed	brushed	333
41-13SST	316SS	316SS	brushed	brushed	non-locking

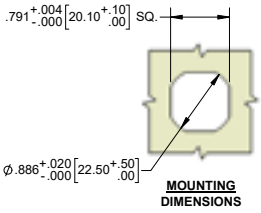
- assembly includes body nut, cam retaining screw, and seals (1 internal o-ring and a face gasket)
- cams sold separately. See pg. 128 for cams & grip dimension
- intended for NEMA type 12 enclosure requirements; NEMA 4, 4X for stainless steel, non-locking part
- locking version includes (2) ringed keys and stainless steel lock face and dust shutter



FRONT VIEW



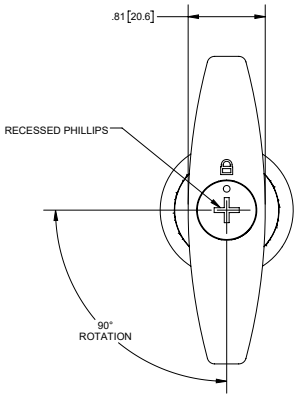
RIGHT SIDE VIEW

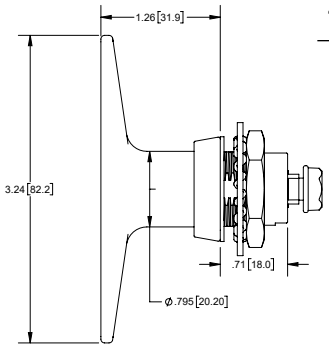


MOUNTING DIMENSIONS

T-Handle Quarter Turn Latch

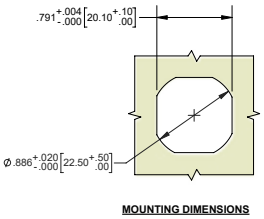
NEMA 4 | IP65 RATED | NEW





Part Number	Material	Finish
41-28BK	die cast zinc	black powder coated

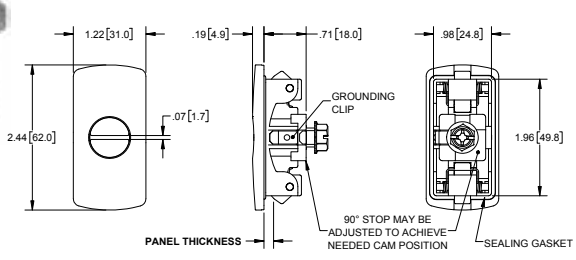
- see pg 128 for cams and grip dims.



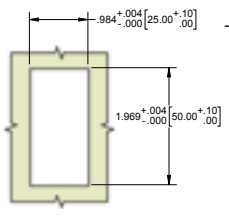
MOUNTING DIMENSIONS

Plastic Snap-in Quarter-turn Latches

NEMA 12 | IP65 RATED



FRONT VIEW | RIGHT SIDE VIEW | REAR VIEW



MOUNTING DIMENSIONS

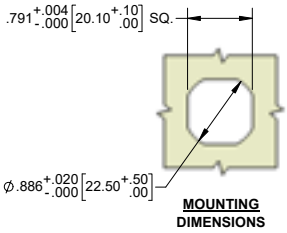
Part No.	Material	Panel Thickness
41P-51	black plastic housing and plug	.0315 [.800] - .0590 [1.500]
41P-52		.0512 [1.300] - .0787 [2.000]
41P-53		.0709 [1.800] - .0984 [2.500]
41P-54		.0906 [2.300] - .1181 [3.000]
41P-55		.1102 [2.800] - .1378 [3.500]

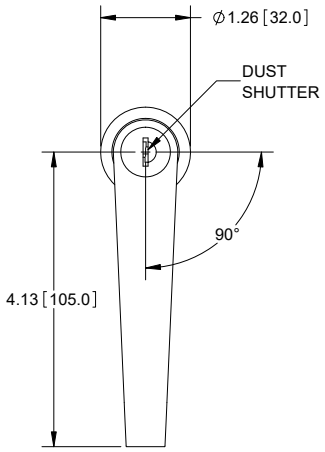
- cams sold separately. See pg. 128 for cams & grip dimensions (straight or offset-out cams only)
- snap-in installation
- includes stainless steel grounding clip

Locking L-Handle Quarter-turn Latches

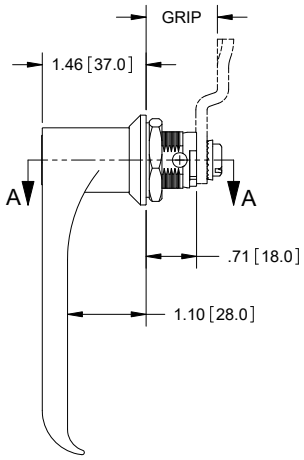
Part Number	Key Code	L-Handle & Housing	
		Material	Finish
41-11	K14	die cast zinc	chrome
41-1101	K16	die cast zinc	chrome
41-11BK	333	die cast zinc	black powder coated
NEW **41-11CH**	333	die cast zinc	chrome
41-11SST	333	316SS	brushed
41-15	non-locking	die cast zinc	chrome
41-15BK	non-locking	die cast zinc	black powder coated
41-15SST	non-locking	316SS	brushed

- includes body nut, cam retaining screw, and seals: (2) internal o-rings and a face gasket
- includes (2) ringed keys and stainless steel lock face and dust shutter
- intended for NEMA type 12 enclosure requirements; NEMA 4, 4X for stainless steel, non-locking part
- cams sold separately. See pg. 128 for cams & grip dimension

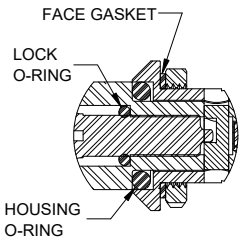




FRONT VIEW



RIGHT SIDE VIEW

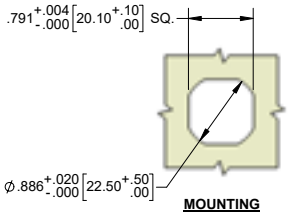


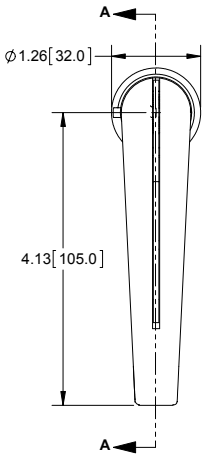
SECTION A-A

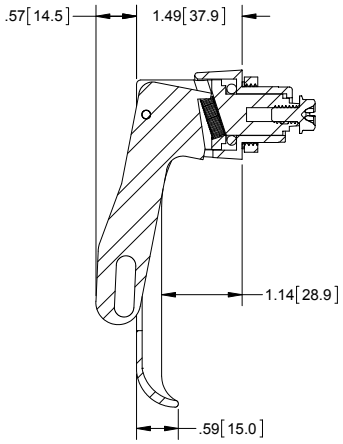
L-Handle Quarter-turn Latches with 304SS Padlock Plate

Part Number	Material	Finish
41-16	die cast zinc	chrome plated
41-16BK	die cast zinc	textured, black powder coated

- includes body nut, mounting screw and seals
- accepts up to Ø.25 (1/4) padlock
- cams sold separately. See page 128 for cams & grip dimension
- padlock plate is spring loaded



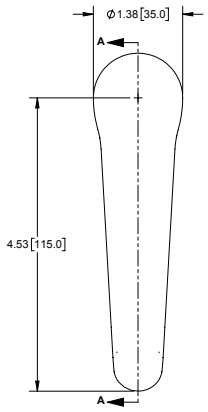


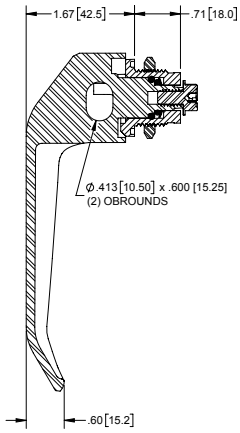


SECTION A-A

Padlocking Quarter-turn L-Handle Latches

NEMA 4 | NEMA 4x | NEMA 12 | IP65 RATED | 316SS

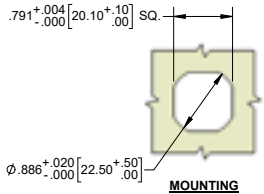




SECTION A-A

Part Number	Material	Finish
41-17	die cast zinc	chrome plated
41-17BK	die cast zinc	smooth, black powder coated
41-17SST	316SS	brushed

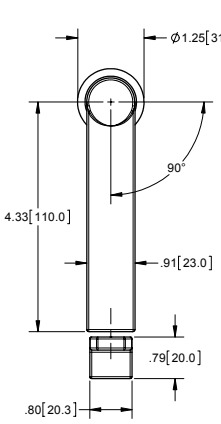
- accepts up to Ø.375 (3/8) padlock
- cams sold separately. See page 128 for cams & grip dimension
- intended for NEMA type 12 enclosure requirements; NEMA 4, 4X for stainless steel part



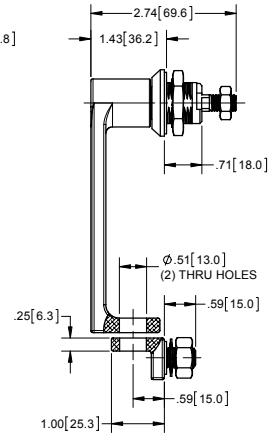
MOUNTING DIMENSIONS

Padlocking Quarter-turn Handle

NEMA 4 | IP65 RATED



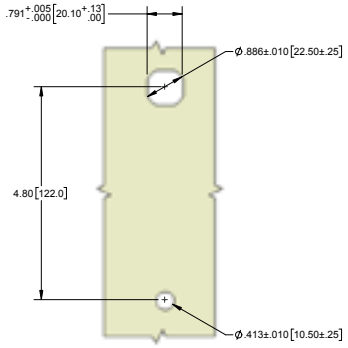
FRONT VIEW



RIGHT SIDE VIEW

Part Number	L-Handle & Housing	
	Material	Finish
41-14BK	aluminum handle & keeper	matte black powder coated

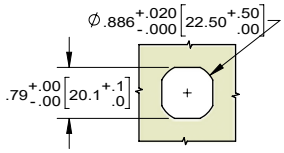
- includes body nut, cam retaining screw, two lock washers, and seals (internal o-ring and two face gaskets)
- intended for NEMA type 12 enclosure requirements
- cams sold separately. See page 128 for cams & grip dimension



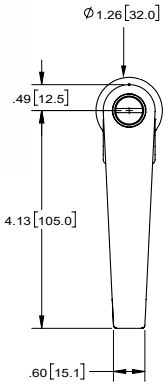
MOUNTING DIMENSIONS

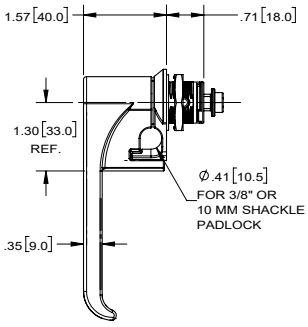
Padlocking Non-Defeater and Defeater L-Handle Quarter-turn Latches

NEMA 4 | NEMA 12 | IP65 RATED



MOUNTING DIMENSIONS





Part Number	Plug Style	Description	L-Handle & Housing	
			Material	Finish
41-25BK	key code CH751	non-defeater	die cast zinc	black textured powder coated
41-26BK	non-locking	non-defeater	die cast zinc	black textured powder coated
41-27BK	2MM wide x 4MM deep coin-proof slot	defeater	die cast zinc	black textured powder coated

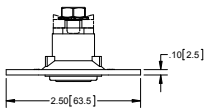
- slotted plug features a coin-proof recessed slot for higher security
- spring loaded slotted plug makes this a defeater handle requiring both hands to operate
- rear stop washer may be adjusted to make this handle rotate either clockwise or counterclockwise
- used with a 3/8" or 10mm padlock shackle
- may be used with cams on page 134

PAT. NEMA 4 NEMA 4x NEMA 12 IP66 Tool Activated Quarter-turn Latches

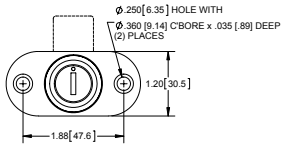
Features

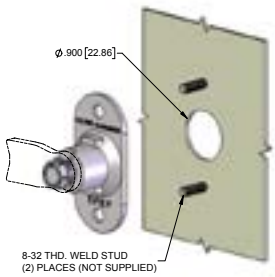
- cam rotates 90°
- intended for NEMA type 4, 4X & 12 enclosures
- assembly includes: cam retaining screw, UL rated seals (o-ring & face gasket), disc washer
- housing material: die cast zinc
- cams sold separately. See pg. 128 for cams & grip dimension.
  for latches on this page add **.185 [4.70]** to all cam grips to get true grip dimension
- keys sold separately - see table for key part numbers

Part Number	Description	Material	Finish	*Key Part No.	Head Style
1120-01	slotted	die cast zinc	chrome	no key	
1120SS-01	slotted with location dimple	304SS	polished	no key	
1123-01	7mm square	die cast zinc	chrome	**14K**	
1124-01	double bitted	die cast zinc	chrome	**18K**	
1125-01	7mm triangle	die cast zinc	chrome	**30K**	



part no. **1120-01**
patented

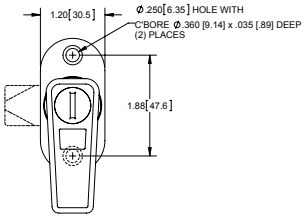


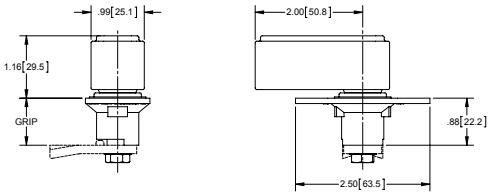


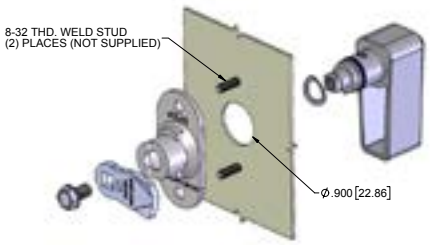
MOUNTING DIMENSIONS

NEMA 4 NEMA 12 IP66 Key Locking Quarter-turn Latches

Part Number	Material	Finish	Key Code
1121-01-B01	die cast zinc	black painted	B01
1121-01-B02	die cast zinc	black painted	B02
1121-01-B03	die cast zinc	black painted	B03
1121-01-B04	die cast zinc	black painted	B04
1121-01-B05	die cast zinc	black painted	B05
1121NL-01	die cast zinc	black painted	non-locking



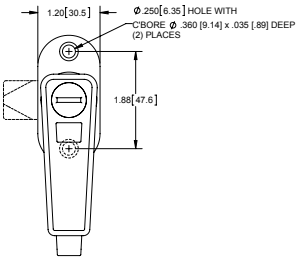


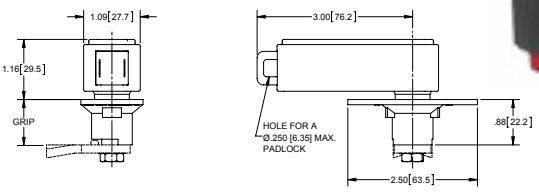


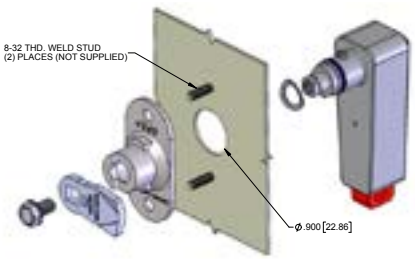
MOUNTING DIMENSIONS

Slotted Padlocking Defeater Latch

Part Number	Material	Finish
1122-01	die cast zinc	black painted







MOUNTING DIMENSIONS

Die Cast Zinc Defeater L-Handle Latches

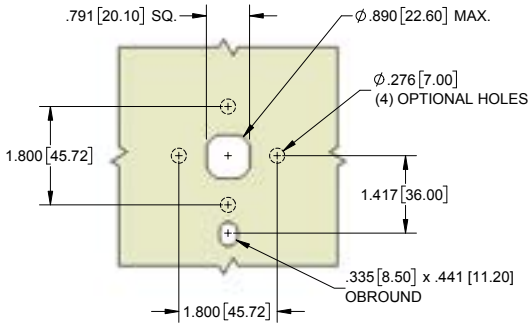
PAT. NEMA 4 IP65 RATED

part no. **3950-333**
patented

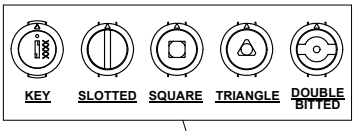
part no. **3951**

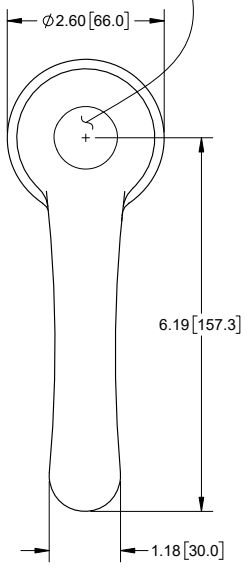
Part Number	Description	Key Part No.	Material	Finish	Shaft Length	Shaft Style	Shaft Size	Mounting
3950*	non-locking	no key	die cast zinc	matte black powder coated	1.44 [36.6]	3/8" - 24 thread	.312 [7.9] sq.	blind
3950-333	key locking	Key Code 333 (2 keys included)	die cast zinc	matte black powder coated				
3950-751	key locking	Key Code CH 751 (2 keys included)	die cast zinc	matte black powder coated				
3951	slotted	no key	die cast zinc	matte black powder coated				
3952	7mm triangle	**4-15K**	die cast zinc	matte black powder coated				
3953	7mm square	**4-16K**	die cast zinc	matte black powder coated				
3954	3mm double bitted	**4-14K**	die cast zinc	matte black powder coated				
3955-333*	key locking	Key Code 333 (2 keys included)	die cast zinc	matte black powder coated				
3955-751*	key locking	Key Code CH 751 (2 keys included)	die cast zinc	matte black powder coated				

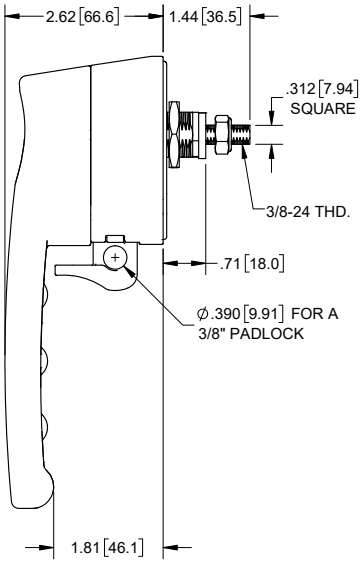
- * part no. **3950**, **3955-333** and **3955-751** are non-defeater handles
- handle 90° rotation is adjustable by repositioning the stop washer on the rear of the handle
- all handles intended for a Ø.38 [9.5] (3/8") padlock, and no smaller than Ø.25 [6.4] (1/4") to prevent access
- sealing gasket is built into the escutcheon
- intended for NEMA type 4 & 12 enclosure requirements
- keys are included with handles, except for part no.: **3952**,**3953**, & **3954**
- cams sold separately, see page 128 for cams and grip dimension

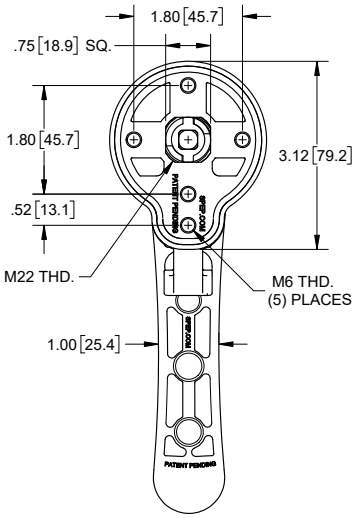


MOUNTING DIMENSIONS





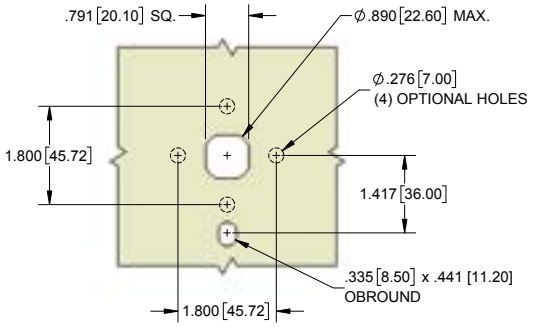




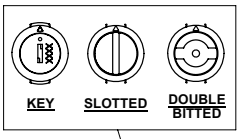
PAT. 316SS NEMA 4x IP65 RATED Stainless Steel Defeater L-Handle Latches

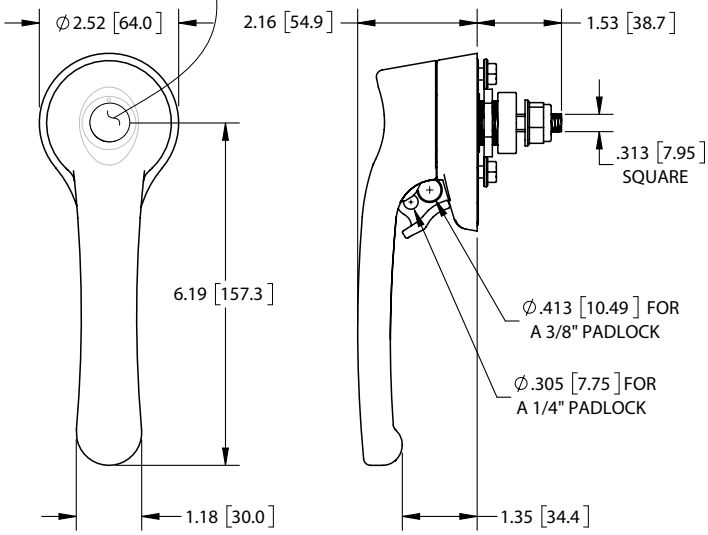
Part Number	Description	Key Part No.	Material	Finish	Shaft Length	Shaft Style	Shaft Size	Mounting
3951SST	slotted plug	no key	316SS	passivated	1.52 [38.7]	threaded	.312 [7.9]	blind
NEW **3954SST**	3MM double bitted	**4-14K**						
3950SST*	non-locking	no key	316SS	passivated	1.52 [38.7]	threaded	.312 [7.9]	blind
3950SST-333	key locking	Key Code 333 (2 keys included)	316SS	passivated	1.52 [38.7]	threaded	.312 [7.9]	blind
NEW **3950SST-751**	key locking	Key Code CH751 (2 keys included)						
3955SST-333*	key locking, non-defeater	Key Code 333 (2 keys included)	316SS	passivated	1.52 [38.7]	threaded	.312 [7.9]	blind

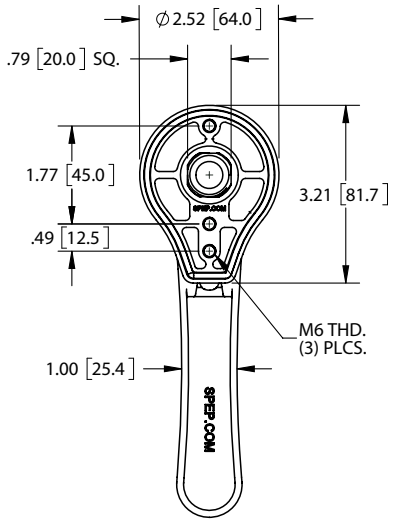
- spring loaded plug makes this a defeater handle requiring both hands to operate
- *part no. **3950SST** & **3955SST-333** are non-defeater handles
- handle 90° rotation is adjustable by repositioning the stop washer on the rear of the handle
- threaded shafts have an M10 x 1.5 thread
- trigger has (2) holes: large hole accepts a 3/8" standard padlock shackle and 1/4" padlock shackle on the smaller hole
- sealing gasket is built into the escutcheon
- intended for NEMA type 4X enclosure requirements
- cams sold separately, see page 128 for cams and grip dimension



MOUNTING DIMENSIONS





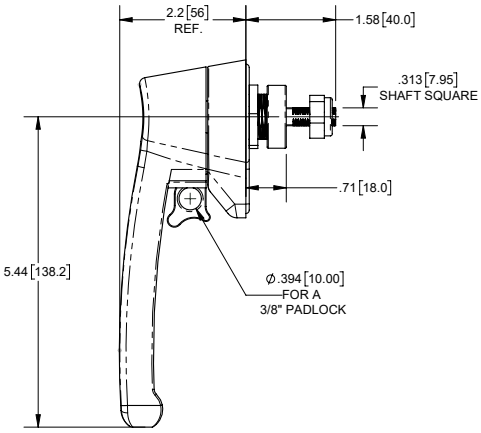


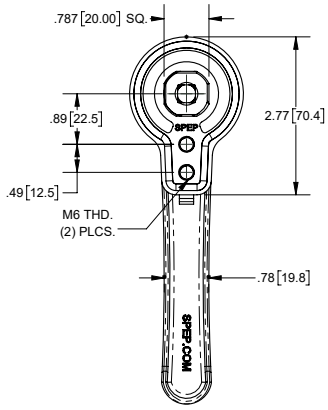
Compact 316 Stainless Steel Defeater L-Handle Latches

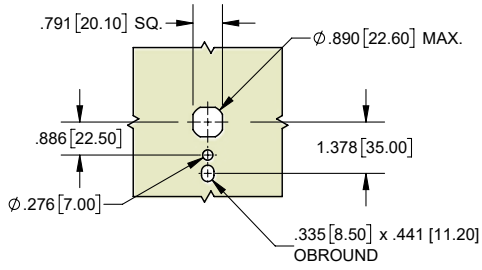
PAT. 316SS NEMA 4x IP65 RATED NEW PRODUCT FAMILY

Part Number	Description	Key Part No.	Material	Finish	Shaft Length	Shaft Style	Shaft Size	Mounting
3960SST*	non-locking	no key	316SS	brushed, passivated	1.58 [40.0]	threaded	.313 [7.9] sq	blind
3960SST-333	key-locking	Key Code 333 (2 keys included)	316SS	brushed, passivated	1.58 [40.0]	threaded	.313 [7.9] sq	blind
3961SST	slotted plug	no key	316SS	brushed, passivated	1.58 [40.0]	threaded	.313 [7.9] sq	blind
3964SST	3mm double bit	**4-14K**	316SS	brushed, passivated	1.58 [40.0]	threaded	.313 [7.9] sq	blind
3965SST-333*	key-locking	Key Code 333 (2 keys included)	316SS	brushed, passivated	1.58 [40.0]	threaded	.313 [7.9] sq	blind

- *part no. **3960SST** & **3965SST-333** are non-defeater handles
- handle 90° rotation is adjustable by repositioning the stop washer on the rear of the handle
- threaded shafts have an M10 x 1.5 thread
- all handles intended for a Ø.38 [9.5] (3/8") padlock, and no smaller than Ø.25 [6.4] (1/4") to prevent access
- sealing gasket is built into the escutcheon
- intended for NEMA type 4X enclosure requirements
- cams sold separately, see page 128 for cams and grip dimension





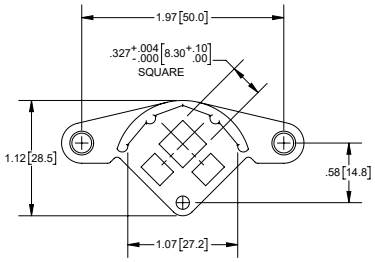


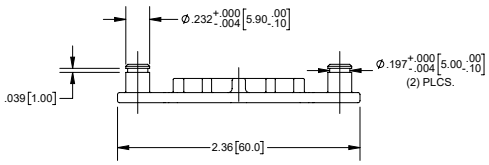
MOUNTING DIMENSIONS

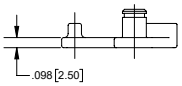
Quarter-Turn Latch Adapter

NEW

assembly view with 50C-series cam







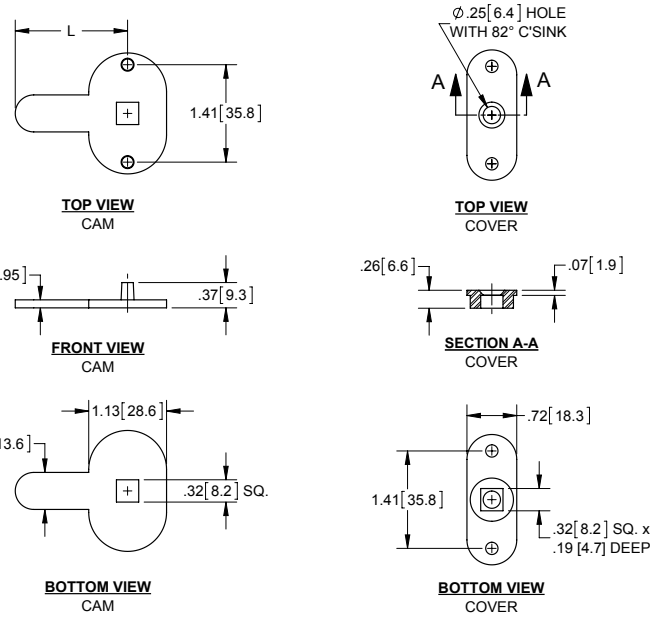
Part Number	Material	Finish
53C00SS	304SS	mill

- converts single point cams to multi-point
- used with e-clips (p/n **XF128**) - sold separately
- rod adaptor can be purchased separately, p/n **C20**
- may be used with single point cam 50C-series on page 134

Three Point Cam Kit

Part Number	L
C11	1.625 [41.28]
C12	2.125 [53.98]

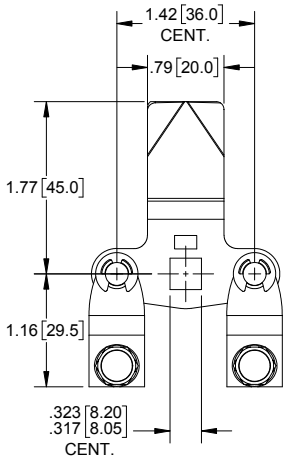
- for .313" sq. shaft
- die cast zinc with mill finish
- use with 723 rods (see pg. 63)
- cam and cover kits are shipped separately in bulk

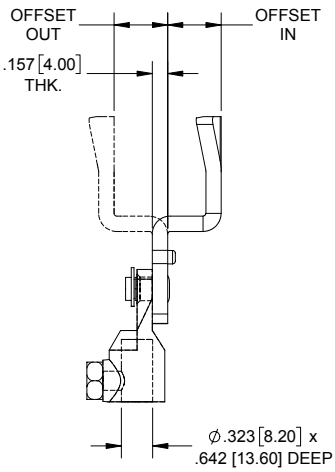


Three Point Offset Cams

Grip *	Part Number	Offset
.059 [1.50]	**12C61**	.63 [16.0] in
.138 [3.50]	**12C60**	.55 [14.0] in
.217 [5.50]	**12C59**	.47 [12.0] in
.295 [7.50]	**12C58**	.39 [10.0] in
.374 [9.50]	**12C57**	.31 [8.0] in
.413 [10.50]	**12C56**	.28 [7.0] in
.453 [11.50]	**12C55**	.24 [6.0] in
.531 [13.50]	**12C54**	.16 [4.0] in
.610 [2.00]	**12C53**	.08 [2.0] in
straight	**12C52**	straight
.768 [19.50]	**12C62**	.08 [2.0] out
.846 [21.50]	**12C63**	.16 [4.0] out
.925 [23.50]	**12C64**	.24 [6.0] out
.965 [24.50]	**12C65**	.28 [7.0] out
1.000 [25.50]	**12C66**	.31 [8.0] out
1.083 [27.50]	**12C67**	.39 [10.0] out
1.161 [29.50]	**12C68**	.47 [12.0] out
1.240 [31.50]	**12C69**	.55 [14.0] out
1.319 [33.50]	**12C70**	.63 [16.0] out
1.358 [34.50]	**12C71**	.67 [17.0] out
1.398 [35.50]	**12C72**	.71 [18.0] out
1.476 [37.50]	**12C73**	.79 [20.0] out
1.555 [39.50]	**12C74**	.87 [22.0] out

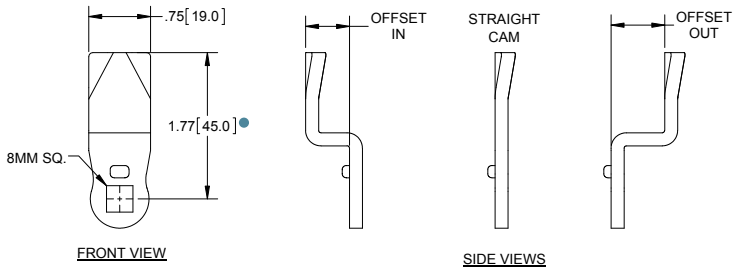
Body Length	Dimension to Add for Correct Grip
.69 [17.5]	same as grips on cam table
.71 [18.0]	add .02 [.50] to grips on cam table
.75 [19.1]	add .06 [1.60] to grips on cam table
.88 [22.4]	add .19 [4.90] to grips on cam table
1.18 [30.0]	add .49 [12.50] to grips on cam table
1.97 [50.0]	add 1.28 [32.50] to grips on cam table

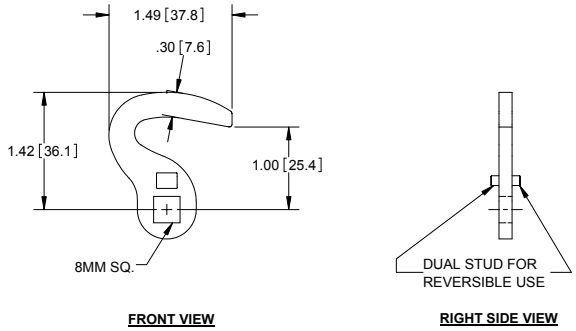




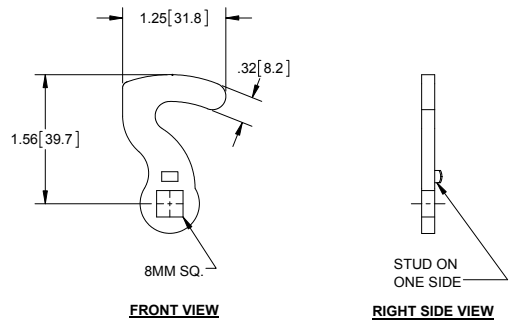
- steel cam with die cast zinc rod adapter and e-clips
- finish: zinc plated
- rod adaptor can be purchased separately, p/n **C20**
- * grips shown are for latches with .69 [17.5] body length on pages 110 - 113 (see body length table to the right for other latch body lengths)

Quarter-turn Latch Cams

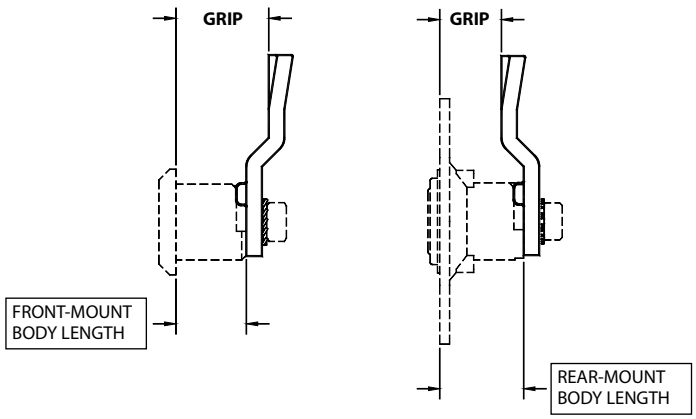




part no. **12C9-01** ●



part no. **12C9**



Grip *	Steel Part No.	304SS Part No.	Cam Offset
.138 [3.50]	**12C1**	**12C1SS**	.551 [14.00] in
.157 [4.00]	**12C15**	**12C15SS**	.531 [13.50] in
.236 [6.00]	**12C16**	**12C16SS**	.453 [11.50] in
.315 [8.00]	**12C17**	**12C17SS**	.374 [9.50] in
.394 [10.00]	**12C18**	**12C18SS**	.295 [7.50] in
.512 [13.00]	**12C19**	**12C19SS**	.177 [4.50] in
.551 [14.00]	**12C10**	**12C10SS**	.138 [3.50] in
.630 [16.00]	**12C20**	**12C20SS**	.059 [1.50] in
.689 [17.50]	**12C4**	**12C4SS** ◆	straight
.689 [17.50]	**12C8** ●	**12C8SS** ●	straight
.689 [17.50]	**12C9**	**N/A**	straight, hooked (see illustration)
.689 [17.50]	**12C9-01** ●	**N/A**	straight, hooked (see illustration)
.748 [19.00]	**12C5**	**12C5SS**	.059 [1.50] out
.768 [19.50]	**12C2**	**12C2SS**	.079 [2.00] out
.787 [20.00]	**12C22**	**12C22SS**	.098 [2.50] out
.866 [22.00]	**12C6**	**12C6SS**	.177 [4.50] out
.945 [24.00]	**12C23**	**12C23SS**	.256 [6.50] out
.984 [25.00]	**12C24**	**12C24SS**	.295 [7.50] out
1.024 [26.00]	**12C11**	**12C11SS**	.334 [8.50] out
1.102 [28.00]	**12C25**	**12C25SS**	.413 [10.50] out
1.142 [29.00]	**12C7**	**12C7SS**	.453 [11.50] out
1.161 [29.50]	**12C37**	**12C37SS**	.472 [12.00] out
1.181 [30.00]	**12C26**	**12C26SS**	.492 [12.50] out
1.220 [31.00]	**12C3**	**12C3SS**	.531 [13.50] out
1.260 [32.00]	**12C27**	**12C27SS**	.571 [14.50] out
1.339 [34.00]	**12C13**	**12C13SS**	.649 [16.50] out
1.378 [35.00]	**12C28**	**12C28SS**	.689 [17.50] out
1.417 [36.00]	**12C29**	**12C29SS**	.728 [18.50] out
1.457 [37.00]	**12C12**	**12C12SS**	.768 [19.50] out
1.496 [38.00]	**12C30**	**12C30SS**	.807 [20.50] out
1.575 [40.00]	**12C31**	**12C31SS**	.886 [22.50] out
1.654 [42.00]	**12C32**	**12C32SS**	.964 [24.50] out
1.732 [44.00]	**12C33**	**12C33SS**	1.043 [26.50] out
1.772 [45.00]	**12C34**	**12C34SS**	1.083 [27.50] out
1.850 [47.00]	**12C35**	**12C35SS**	1.161 [29.50] out
1.969 [50.00]	**12C36**	**12C36SS**	1.280 [32.50] out

- ● part no. **12C8** is 1.26 [32.0] long; all other cams are 1.77 [45.0]
- ● part no.**12C9-01** has stud on both sides as illustrated NEW
- ◆ available with longer length of 2.50 [63.5] as part no. **12C4SS-01**
- steel parts are zinc plated & 304SS parts are passivated
- * grips shown are for latches with .69 [17.5] body length on pages 110 - 113 (see body length table below for other latch body lengths)
- three-point cams are available on pg. 127

Body Length	Dimension to Add for Correct Grip
.69 [17.5]	same as grips on cam table
.71 [18.0]	add .02 [.50] to grips on cam table
.75 [19.1]	add .06 [1.60] to grips on cam table
.88 [22.4]	add .19 [4.90] to grips on cam table
1.18 [30.0]	add .49 [12.50] to grips on cam table
1.97 [50.0]	add 1.28 [32.50] to grips on cam table

STAINLESS STEEL DEFEATER L-HANDLE LATCHES

PAT. | 316SS | NEMA 4X | IP65 RATED

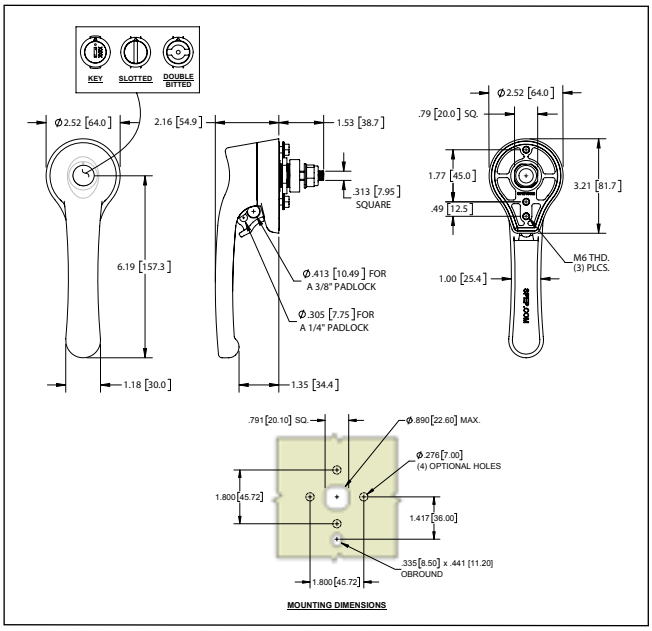
HIGHLIGHTS / FEATURES

- 316SS material with passivated finish.
- Defeater version(s) are equipped with built-in spring loaded insert for two handed security operation; non-defeater version(s) also available.
- Available in keyed and tool operated inserts, also with non-locking style.
- Handle 90° rotation is adjustable for CW or CCW operation by repositioning the cover on the rear of the handle.
- Dual Hole Trigger permits the use of 1/4" to 3/8" diameter padlocks to restrict access.
- Intended for NEMA type 4X enclosure requirements.
- Foam-in-place sealing gasket built into the escutcheon.

APPLICATION

NEMA 4X ENCLOSURES

TECHNICAL DETAILS



Part No.	Description	Key Code	Mounting	Shaft Style	Shaft Length	Shaft Size
3951SST	slotted plug	no key	blind	threaded	1.52 [38.7]	.313 [7.95]
3954SST	3MM double bitted plug	no key				
3950SST	non-locking	no key				
3950SST-333	key locking	key code 333 (includes 2 keys)				
3955SST-333	key locking non-defeater	key code 333 (includes 2 keys)				

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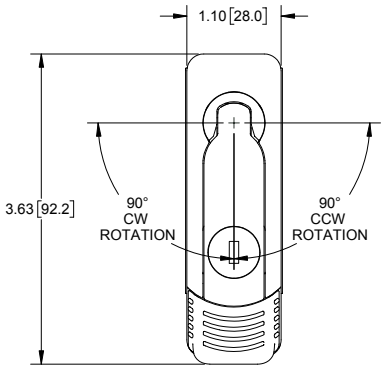
888.444.6437 info@spep-marketing.com

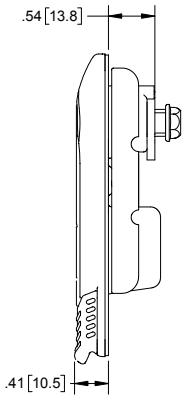
Spring Loaded Handle Latch

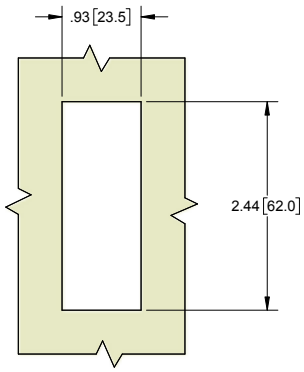
IP65 RATED NEMA 12

Part No.	Key Code	Material	Finish
53BK-02	200	die cast zinc	matte black

- handle rotation is adjusted by repositioning the 90° stop washer on the rear of the handle
- cams sold separately. See pg. 134 for cams and grip dimensions







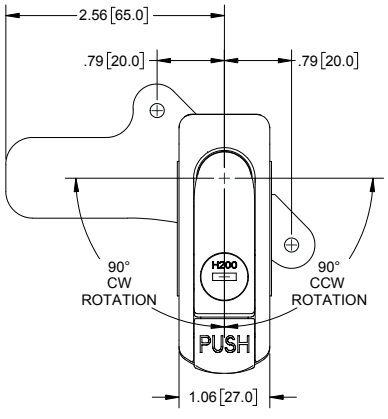
MOUNTING DIMENSIONS
FOR .04 [1.0] - .16 [4.0]
PANEL THICKNESS

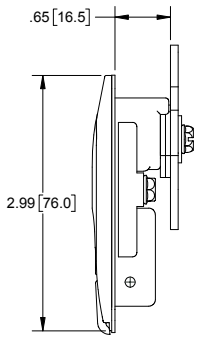
Spring Loaded Handle Latch

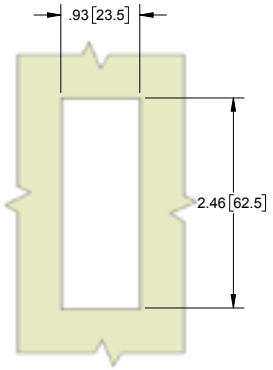
IP65 RATED NEMA 12

Part No.	Key Code	Material	Finish
53G-01	200	zinc die cast	gray

- handle rotation is adjusted by repositioning the 90° stop washer on the rear of the handle





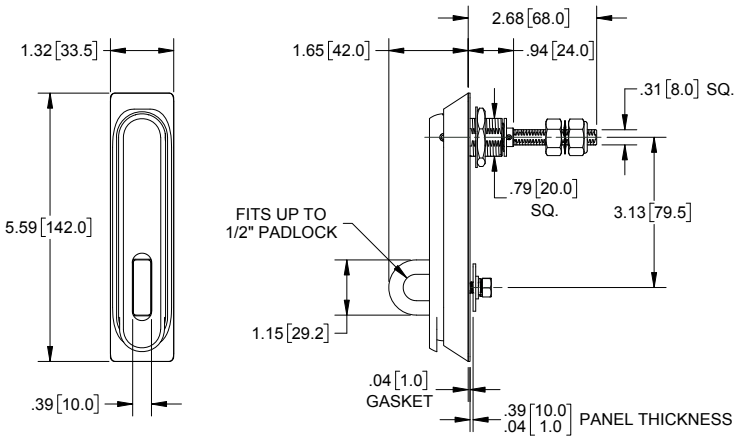


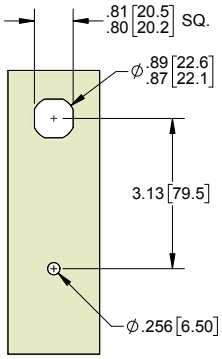
MOUNTING DIMENSIONS
FOR .04 [1.0] - .08 [2.0]
PANEL THICKNESS

IP65 RATED NEMA 12 Padlocking Swing Handle

Part Number	Material	Finish
54CH	die cast zinc	polished chrome

- handle rotates clockwise or counterclockwise
- cams sold separately (see pg. 134)
- assembly includes:
  - face gasket & internal O-ring
  - housing ring
  - body nut
  - fasteners and mounting accessories



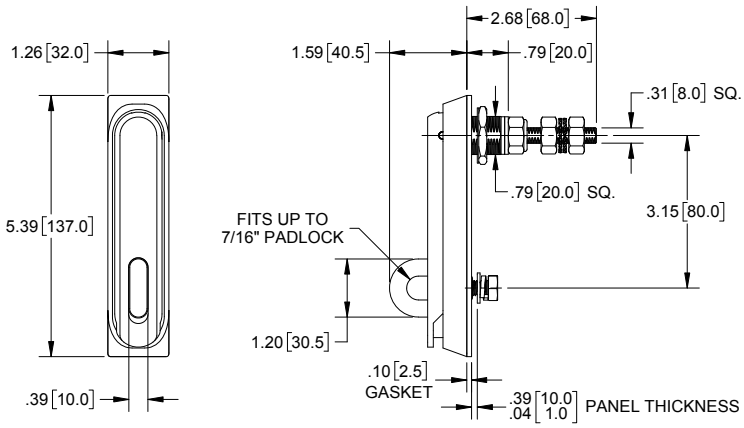


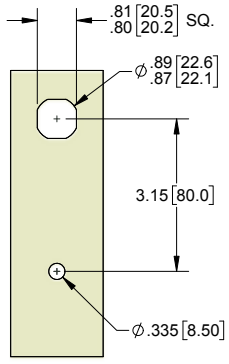
MOUNTING DIMENSIONS

IP66 NEMA 4 NEMA 4x Padlocking Swing Handle

Part Number	Material	Finish
54SS	304SS	brushed

- handle rotates clockwise or counterclockwise
- cams sold separately (see pg. 134)
- assembly includes:
  - face gasket, internal O-ring, & mounting O-ring
  - housing ring
  - body nut
  - fasteners and mounting accessories





MOUNTING DIMENSIONS

Large Swing Handles

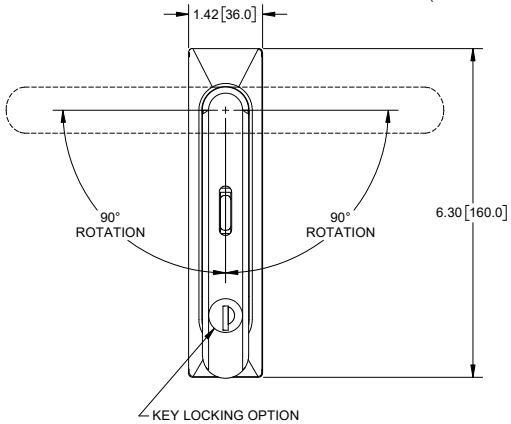
IP65 RATED NEMA 12

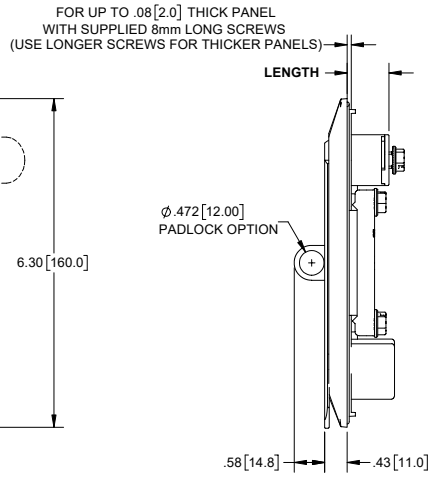
key locking
padlocking

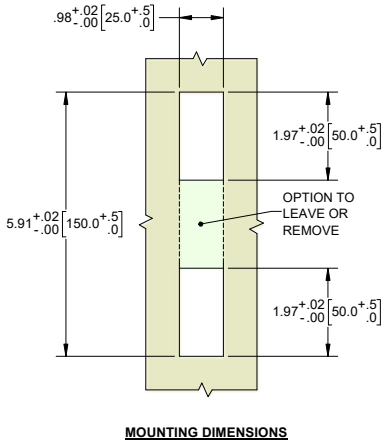
key locking

Part Number	Description	Key Code/ Plug	Length	Material	Finish
50L-333	key locking	EK333	.79 [20.0]	die cast zinc	black powder coated
50L-751	key locking	CH751	.79 [20.0]	die cast zinc	black powder coated
50L-E200	key locking	E200	.79 [20.0]	die cast zinc	black powder coated
50L-333P01	key locking	EK333	.71 [18.0]	polyamide housing, die cast zinc handle	black housing, black powder coated handle
50L-333P02	key locking	EK333	.79 [20.0]	polyamide housing, die cast zinc handle	black housing, black powder coated handle
50L-751P01	key locking	CH751	.71 [18.0]	polyamide housing, die cast zinc handle	black housing, black powder coated handle
50L-333P	key locking	EK333	.79 [20.0]	polyamide	black
50L-751P	key locking	CH751	.79 [20.0]	polyamide	black
50L-333LK	key locking padlocking	EK333	.79 [20.0]	die cast zinc	black powder coated
50L-751LK	key locking padlocking	CH751	.79 [20.0]	die cast zinc	black powder coated
50L-12	tool activated	slotted plug	.79 [20.0]	die cast zinc	black powder coated
50L-22	tool activated	Bellcore plug	.79 [20.0]	die cast zinc	black powder coated
50L-22LK	tool activated, padlocking	8mm hex w/ hex pin	.79 [20.0]	die cast zinc	black textured powder coated
50L-23LK	tool activated, padlocking	11mm hex	.79 [20.0]	die cast zinc	black textured powder coated
50L-18	tool activated, **4-14K**	3mm double bitted plug	.79 [20.0]	die cast zinc	black powder coated
50L-1801	tool activated, **4-14K**	5mm double bitted plug	.79 [20.0]	die cast zinc	black powder coated
50L-30	tool activated,	8mm triangle	.79 [20.0]	die cast zinc	black powder coated
50L	non-locking	none	.79 [20.0]	die cast zinc	black powder coated
50L-LK	non-locking, padlocking	none	.79 [20.0]	die cast zinc	black textured powder coated

- swing handle may rotate clockwise or counterclockwise by adjusting the stop washer
- cams sold separately (see pg. 134)
- assembly includes:
  - mounting bracket
  - (2) mounting screws
  - stop washer
  - cam mounting screw
  - foam seal
  - internal o-ring
  - (2) ringed keys, except for tool activated keys sold separately







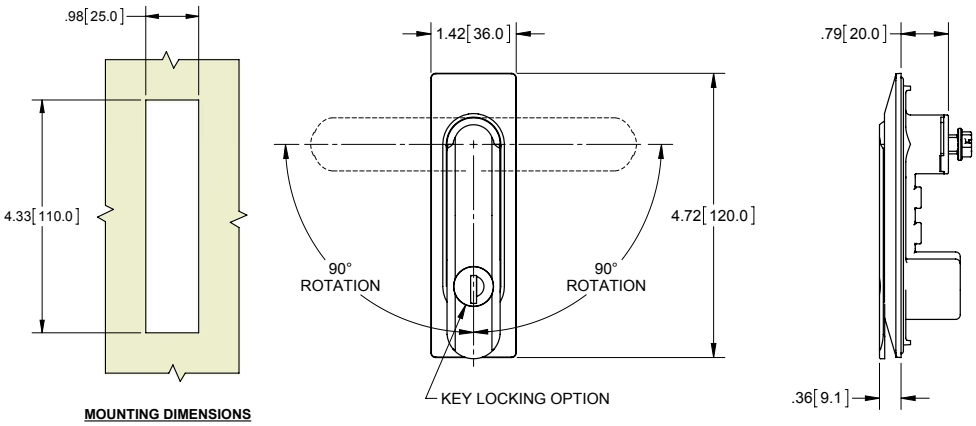
MOUNTING DIMENSIONS

Medium Swing Handles

Part Number	Description	Key Code/ Plug	Length	Material	Finish
50M-333	key locking	EK333	.79 [20.0]	die cast zinc	black powder coated
50M-751	key locking	CH751	.79 [20.0]	die cast zinc	black powder coated
50M-333P01	key locking	EK333	.79 [20.0]	polyamide housing, die cast zinc handle	black housing, black powder coated handle
50M-751P01	key locking	CH751	.79 [20.0]	polyamide housing, die cast zinc handle	black housing, black powder coated handle

- swing handle may rotate clockwise or counterclockwise by adjusting the stop washer
- cams sold separately (see pg. 134)
- assembly includes:
  - mounting bracket
  - (2) mounting screws
  - stop washer
  - cam mounting screw
  - foam seal
  - internal o-ring
  - (2) ringed keys, except for tool activated keys sold separately

key locking

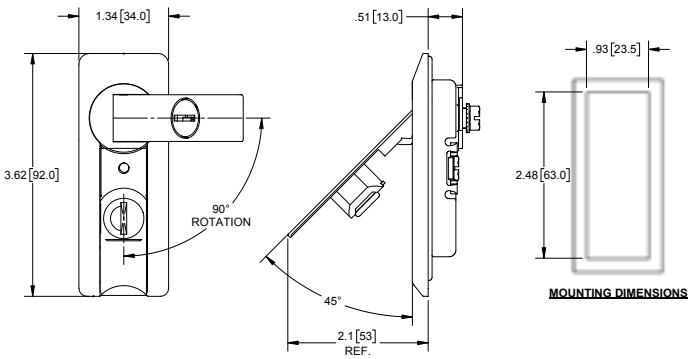


Locking Swing Handle

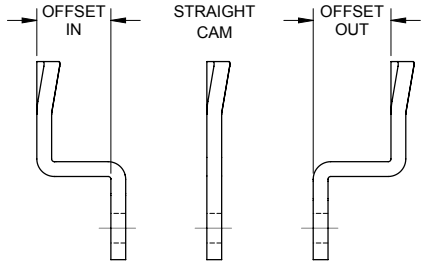
Part Number	Key Code	Material	Finish	Stock
52CH-01 ‡	K083	die cast zinc	silver powder coated	no

- cams sold separately (see pg. 134)

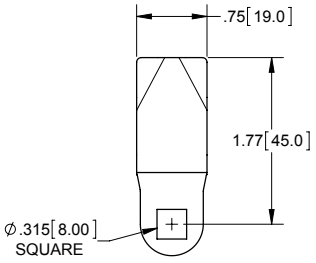
‡ this part is non-stock



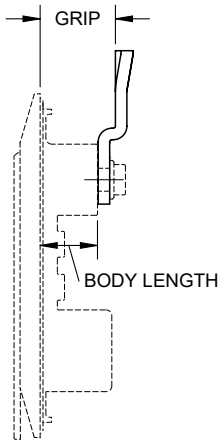
Single Point Cams for Swing Handles



SIDE VIEWS



FRONT VIEWS



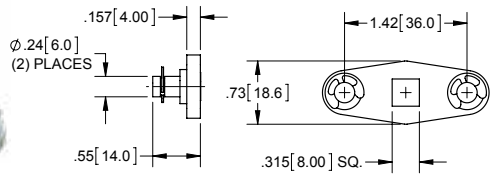
SEE GRIP FORMULA TABLE

Part Number	Grip	Cam Offset	Part Number	Grip	Cam Offset
50C02	.16 [4.0]	.629 [16.00] in	**50C28**	1.18 [30.0]	.393 [10.00] out
50C04	.24 [6.0]	.551 [14.00] in	**50C30**	1.26 [32.0]	.472 [12.00] out
50C06	.31 [8.0]	.472 [12.00] in	**50C32**	1.34 [34.0]	.551 [14.00] out
50C08	.39 [10.0]	.393 [10.00] in	**50C34**	1.42 [36.0]	.629 [16.00] out
50C10	.47 [12.0]	.314 [8.00] in	**50C35**	1.46 [37.0]	.669 [17.00] out
50C13	.59 [15.0]	.196 [5.00] in	**50C36**	1.50 [38.0]	.708 [18.00] out
50C14	.63 [16.0]	.157 [4.00] in	**50C38**	1.57 [40.0]	.787 [20.00] out
50C16	.71 [18.0]	.078 [2.00] in	**50C40**	1.65 [42.0]	.866 [22.00] out
50C18	.79 [20.0]	straight	**50C42**	1.73 [44.0]	.944 [24.00] out
50C20	.87 [22.0]	.078 [2.00] out	**50C44**	1.81 [46.0]	1.023 [26.00] out
50C22	.94 [24.0]	.157 [4.00] out	**50C45**	1.85 [47.0]	1.062 [27.00] out
50C24	1.02 [26.0]	.236 [6.00] out	**50C47**	1.93 [49.0]	1.141 [29.00] out
50C25	1.06 [27.0]	.275 [7.00] out	**50C50**	2.05 [52.0]	1.259 [32.00] out
50C26	1.10 [28.0]	.314 [8.00] out			

- steel, zinc plated
- grips shown are for latches with .79 [20.0] body length on pages 132 & 133 (see body length table below for .71 [18.0] latch length
- may be used with latch adapter part no. **53C00SS** on page 126

Grip Formula by Body Length	
Body Length	**Dimension to Subtract for Correct Grip**
.51 [13.0]	subtract .28 [7.0] to grips on cam table
.71 [18.0]	subtract .08 [2.0] to grips on cam table
.79 [20.0]	same as grips on cam table

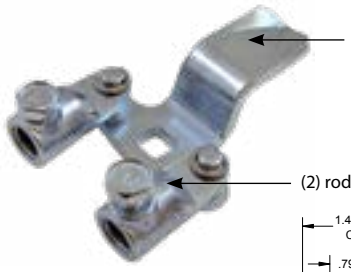
Two Point Cam for Swing Handles

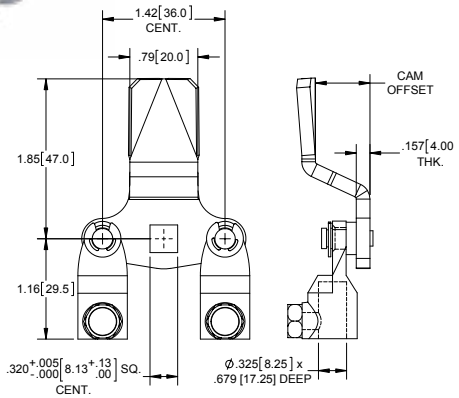


Part Number	Material	Finish
50C00	steel	zinc plated

- c-clips are supplied with cam
- refer to page 135 for rods

Three Point Offset Cams for Swing Handles





Part Number	Grip	Cam Offset
12C43	.79 [20.0]	straight
12C44	.94 [24.0]	.157 [4.00] out
12C45	1.10 [28.0]	.315 [8.00] out
12C46	1.18 [30.0]	.394 [10.00] out
12C47	1.26 [32.0]	.472 [12.00] out
12C48	1.34 [34.0]	.551 [14.00] out
12C40	1.42 [36.0]	.630 [16.00] out
12C41	1.57 [40.0]	.787 [20.00] out
12C42	1.65 [42.0]	.866 [22.00] out

- steel, zinc plated
- die cast zinc rod adapter (may be purchased separately as part no. **C20**)
- c-clips are supplied with cam

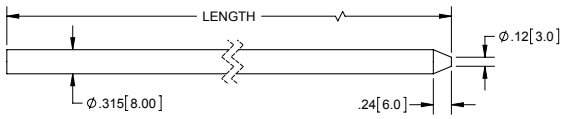
Body Length	Dimension to Add for Correct Grip
.69 [17.5]	subtract .10 [2.5] to grips on cam table
.71 [18.0]	subtract .08 [2.0] to grips on cam table
.75 [19.1]	subtract .04 [0.9] to grips on cam table
.79 [20.0]	same as grips on cam table
.88 [22.4]	add .09 [2.4] to grips on cam table

- use this table to achieve the correct grip for each of the different body lengths
- refer to page 135 for rods

Connecting Rod

Part Number	Length	Material	Finish
747-43.3	43.31 [1100.0]	steel	zinc plated

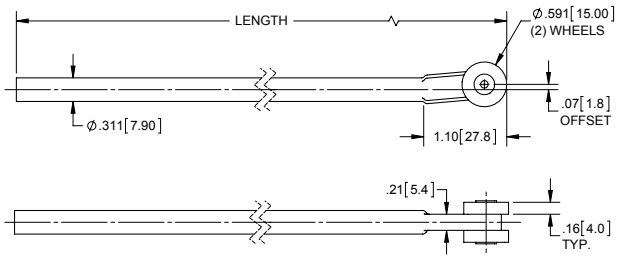
- custom lengths can be made to your specifications
- used with die cast zinc rod adapter (sold separately, part no. **C20**)



Connecting Rods with Plastic Wheels

Part Number	Length	Material	Finish
743-27	27.00 [685.8]	steel	zinc plated
743-43.3	43.30 [1100.0]	steel	zinc plated
743-47.25	47.25 [1200.2]	steel	zinc plated

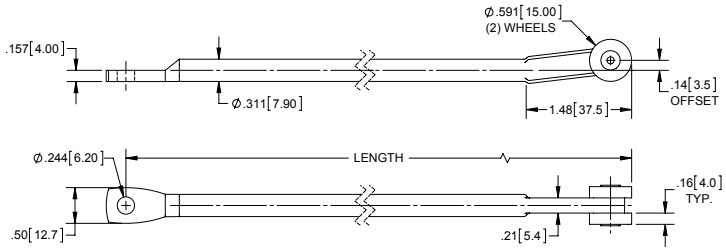
- custom lengths can be made to your specifications
- used with die cast zinc rod adapter (sold separately, part no. **C20**)



Connecting Rods with Plastic Wheels Perpendicular to Flat End

Part Number	Length	Material	Finish
744-15.8	15.75 [400.0]	steel	zinc plated
744-19.7	19.69 [500.0]	steel	zinc plated
744-23.6	23.62 [600.0]	steel	zinc plated
744-27.6	27.56 [700.0]	steel	zinc plated
744-31.5	31.50 [800.0]	steel	zinc plated
744-35.4	35.43 [900.0]	steel	zinc plated
744-39.4	39.37 [1000.0]	steel	zinc plated
744-43.3	43.30 [1100.0]	steel	zinc plated

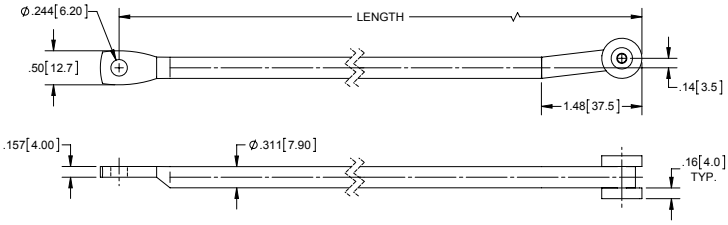
- custom lengths can be made to your specifications



Connecting Rods with Plastic Wheels In-line with Flat End

Part Number	Length	Material	Finish
744A-15.8	15.75 [400.0]	steel	zinc plated
744A-19.7	19.69 [500.0]	steel	zinc plated
744A-23.6	23.62 [600.0]	steel	zinc plated
744A-27.6	27.56 [700.0]	steel	zinc plated
744A-31.5	31.50 [800.0]	steel	zinc plated
744A-35.4	35.43 [900.0]	steel	zinc plated
744A-39.4	39.37 [1000.0]	steel	zinc plated
744A-43.3	43.30 [1100.0]	steel	zinc plated

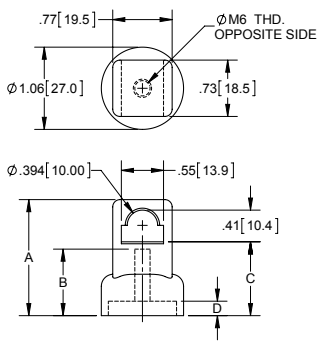
- custom lengths can be made to your specifications



Rod Guides

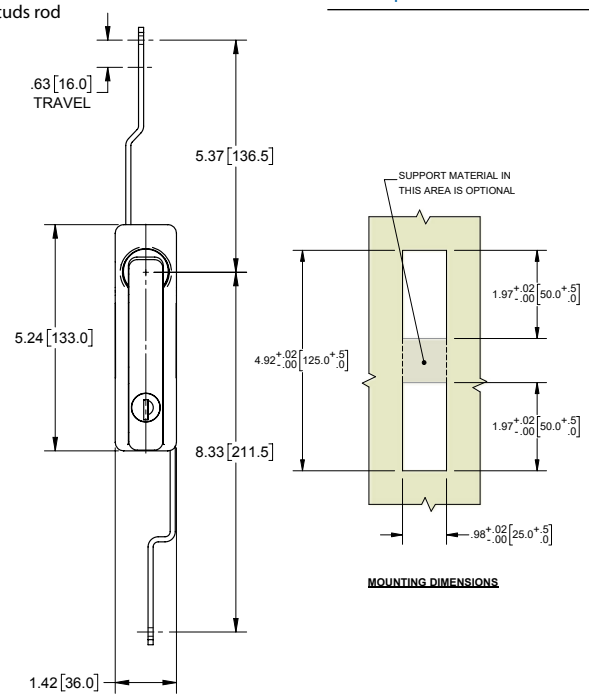
Part Number	Material	Finish	A	B	C	D
702-05	plastic	black, smooth	1.50 [38.1]	.86 [21.8]	.96 [24.4]	.19 [4.8]
702-06	plastic	black, smooth	1.25 [31.8]	.60 [15.2]	.73 [18.5]	.14 [3.56]

- material: black plastic with steel, zinc plated threaded inserts



Swing Handles with Rod Control System

medium handle with round studs rod shown



MEDIUM SWING HANDLE

MOUNTING DIMENSIONS

Features

- Includes:
  - swing handle
  - rod control system with steel, zinc plated rods
  - installation screws
  - (2) ringed keys
  - flat washer
  - split washer
- See pg. 134 for 3-point rod control cams (only straight or offset out **50C** cams may be used)
- swing handles may rotate 90° clockwise or counter-clockwise by flipping the rod control assembly left or right when installing

Medium 2-Point Rod Control System

Part Number	Key Code / Plug	Rod Control Type	Latch Material	Latch Finish
55M-751	CH751	round studs	die cast zinc	smooth black
55M-333	333	round studs		
55M-7515	CH751	through holes		
55M-3335	333	through holes		

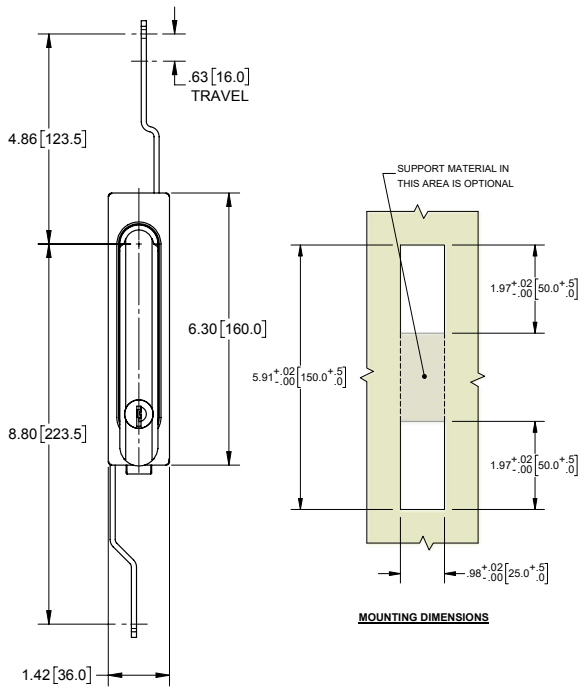
Medium 3-point Rod Control System with Cam Adapters

Part Number	Key Code / Plug	Rod Control Type	Latch Material	Latch Finish
56M-751	CH751	round studs	die cast zinc	smooth black
56M-333	333	round studs		
56M-7515	CH751	through holes		
56M-3335	333	through holes		

Plastic Keeper Clip for Medium Swing Handles

Part Number	Material/Finish
55M-CLIP	black plastic

- available separately
- makes handle spring load open



LARGE SWING HANDLE

MOUNTING DIMENSIONS

Large 2-point Rod Control System

Part Number	Key Code / Plug	Rod Control Type	Latch Material	Latch Finish
55L-751	CH751	round studs	black polyamide housing die cast zinc handle	black housing black powder coated handle
55L-333	333	round studs		
55L-7511	CH751	square studs		
55L-3331	333	square studs		
55L-7515	CH751	through holes		
55L-3335	333	through holes		

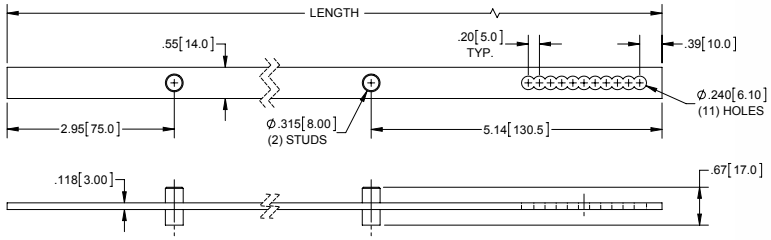
Large 3-point Rod Control System with Cam Adapters

Part Number	Key Code / Plug	Rod Control Type	Latch Material	Latch Finish
56L-751	CH751	round studs	black polyamide housing die cast zinc handle	black housing black powder coated handle
56L-333	333	round studs		
56L-7511	CH751	square studs		
56L-3331	333	square studs		
56L-7515	CH751	through holes		
56L-3335	333	through holes		

Flat Connecting Rods

Part Number	Length	Material	Finish
748-7.8	7.87 [200.0]	steel	zinc plated
748-23.6	23.62 [600.0]	steel	zinc plated
748-31.5	31.50 [800.0]	steel	zinc plated
748-47.2	47.24 [1200.0]	steel	zinc plated

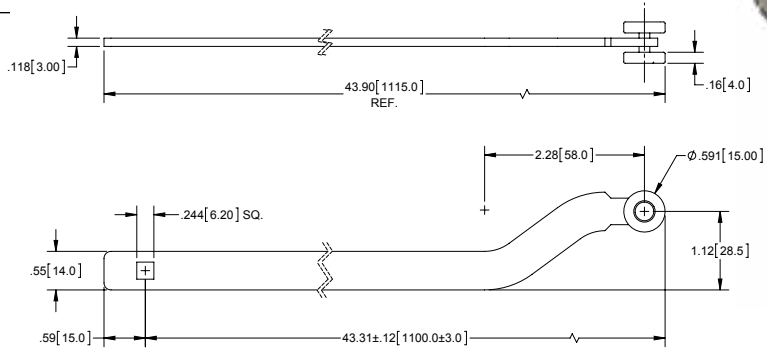
- brass studs
- for use with round or through hole type rod controls on previous page

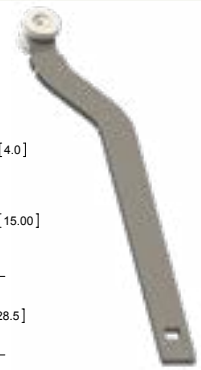


Flat Connecting Rod with Wheels

Part Number	Material	Finish
746-43.3	steel	zinc plated

- custom lengths can be made to your specifications
- for use with square stud rod control on previous page



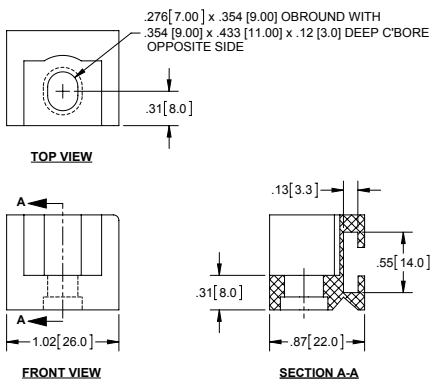


Rod Guide & Rod Keeper

Rod Guide

Part Number	Material	Finish
702-07	plastic	black, smooth

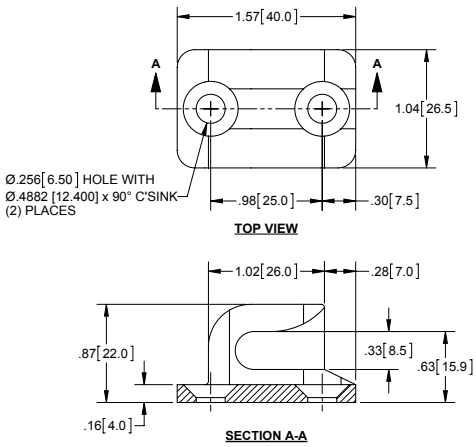
- used on connecting rods on the top of this page



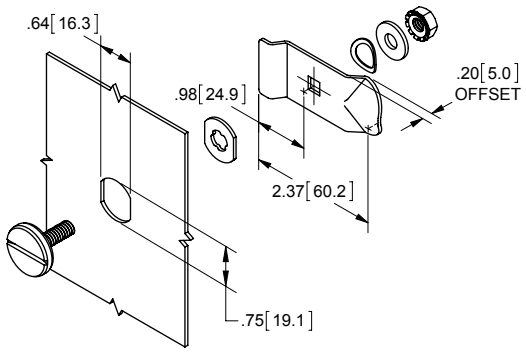
Rod Keeper

Part Number	Material	Finish
702-10	die cast zinc	black powder coated

- used on connecting rods on the top of this page



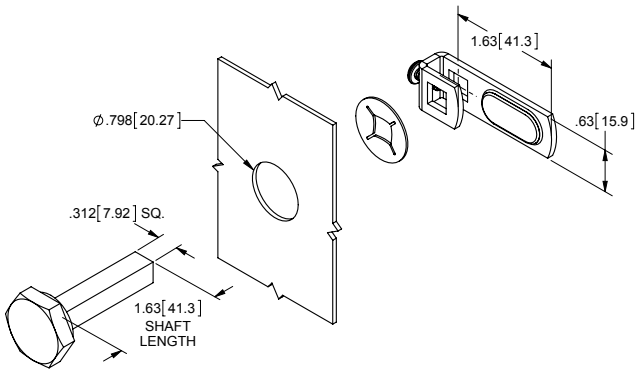
NEMA 1 Enclosure Latch



Part Number	Material	Finish
15	steel	yellow zinc plated

- same double D cut-out as most cam locks
- flush or recessed mounting
- spring and flat washer are clear zinc plated
- operated by screwdriver or coin
- shipped assembled

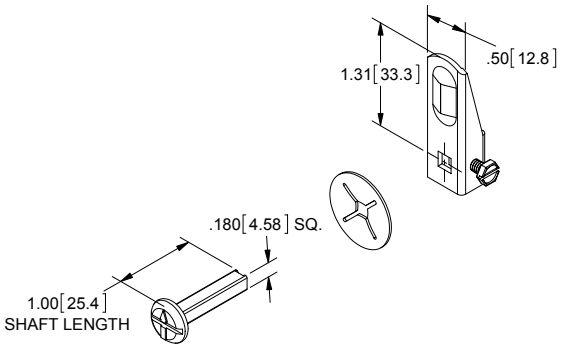
Hex Turn Latch



Part Number	Material	Finish
17	steel	zinc plated

- includes:
  - hex bolt latch retainer, zinc plated
  - push-on nut, black oxide
  - reverse style single point cam, zinc plated

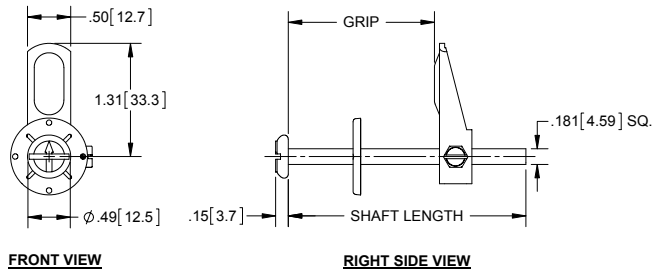
Stainless Steel 1.00" Screwdriver Turn Latch



Part Number	Material	Finish
10SS	304SS	tumbled

- includes:
  - slotted 304SS bolt with arrow pointer
  - steel push-on nut, clear zinc plated
  - single point steel cam, zinc plated

Steel Screwdriver Turn Latches



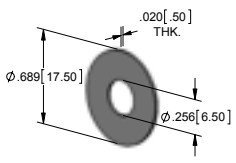
Part Number	Shaft Length	Max. Grip
10ZN	1.00 [25.4]	0.50 [12.7]
10ZN-01	2.75 [69.9]	2.25 [57.2]
10ZN-03	1.25 [31.8]	0.75 [19.1]
10ZN-04	1.50 [38.1]	1.00 [25.4]
10ZN-05	1.75 [44.5]	1.25 [31.8]
10ZN-06	2.00 [50.8]	1.50 [38.1]
10ZN-07	2.25 [57.2]	1.75 [44.5]
10ZN-08	3.25 [82.6]	2.75 [69.9]

- material: steel
- bolt finish: bright nickel plated
- includes:
  - slotted bolt with arrow pointer
  - steel push-on nut, clear zinc plated
  - single point steel cam, zinc plated

Flat Washer

part no. **363**

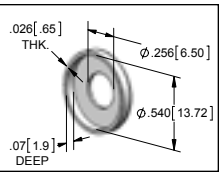
- material: steel
- finish: zinc plated



Cup Washer

part no. **363N**

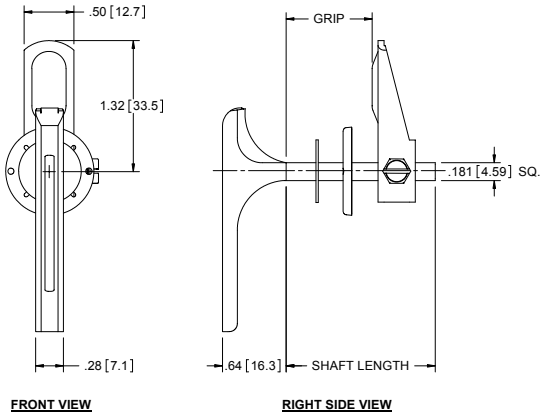
- material: plastic
- finish: white



Steel L-Handle Turn Latches

Part Number	Shaft Length	Max Grip
12ZN	1.50 [38.1]	1.00 [25.40]
12ZN-01	1.75 [44.5]	1.25 [31.8]
12ZN-02	2.25 [57.2]	1.75 [44.5]

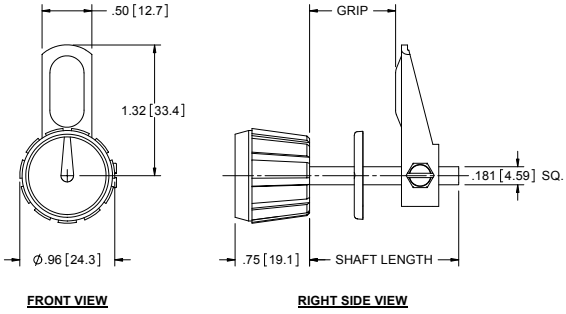
- material: steel
- handle finish: bright nickel plated
- includes:
  - handle bolt
  - push-on nut, clear zinc plated
  - single point cam, clear zinc plated
  - trim washer, bright nickel plated



Plastic Knob Handle Turn Latches

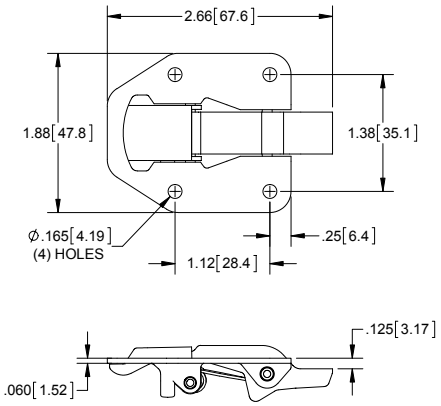
Part Number	Shaft Length	Max Grip
13ZN	1.00 [25.4]	0.50 [12.7]
13ZN-01	1.50 [38.1]	1.00 [25.4]
13ZN-02	2.25 [57.2]	1.75 [44.5]

- material: steel with plastic knob
- shaft finish: bright nickel plated
- includes:
  - knob bolt
  - steel push-on nut, clear zinc plated
  - single point cam, clear zinc plated

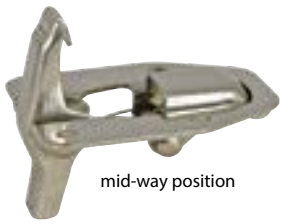


Flush-mount Spring Loaded Latch for Access Panel

Part Number	Material	Finish
2196	304SS	tumbled



closed position


mid-way position

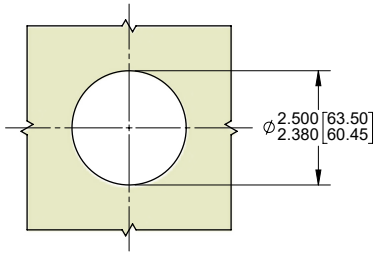
open position

Flush-Mount Latches UV

Locking Latch
part no. **1175SS**

Locking Latch
part no. **1175**

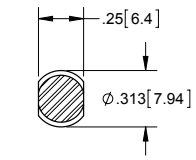
Dummy Latch
part no. **1177**
dummy series has no shaft



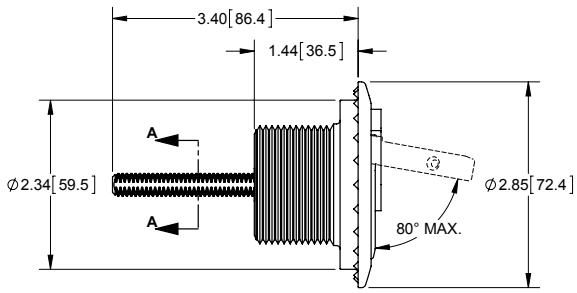
MOUNTING DIMENSIONS

Part Number	Description	Color	Stock
1175	locking latch	black	yes
1175SS	locking latch with 304SS pull	black	yes
1176	non-locking latch	black	yes
1177	dummy latch	black	yes

- latches include:
  - thermoplastic body with UV stabilizers
  - thermoplastic body washer with UV stabilizers
  - thermoplastic body nut with UV stabilizers
  - (2) stainless steel hex nuts
  - (2) stainless steel internal tooth washers
- locking latch features stainless steel lock
- plug with dust shutter and one key per latch
- water resistant
- stainless steel shaft
- cams are sold separately, see below
- gasket available separately as part no.**117G**



SECTION A-A

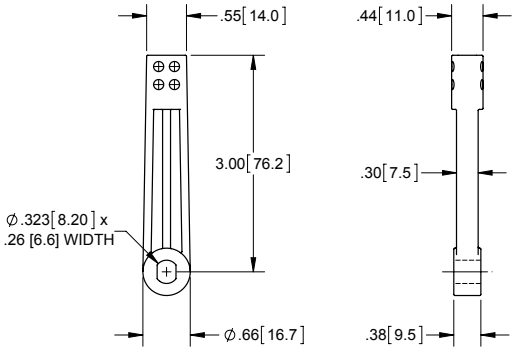


Flush-Mount Latches Cams

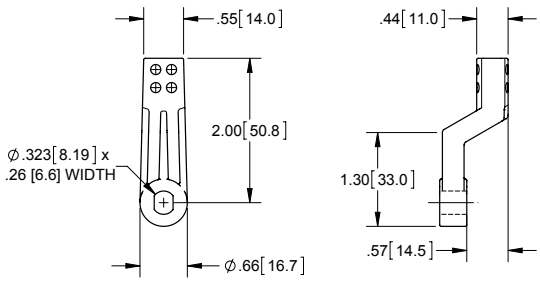
D325 D326

Part Number	Description	Material	Finish
D325	straight	die cast zinc	yellow zinc
D326	offset	die cast zinc	yellow zinc

- used with latches shown above



part number:
D325



part number:
D326

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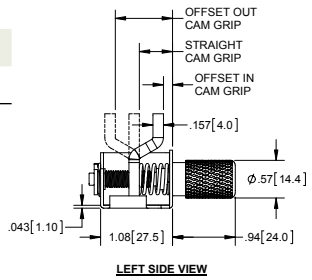
Medium Panel Latches with Adjustable Grip

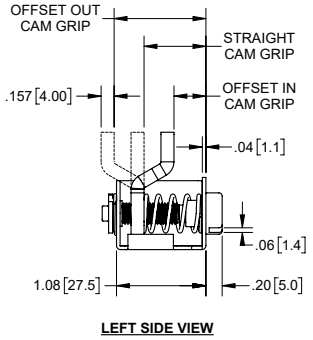
Part Number	Description	Grip
32ZN	offset in	.13 [3.3] min. - .38 [9.7] max.
32ZN-01	straight	.38 [9.7] min. - .75 [19.1] max.
32ZN-02	offset out	.75 [19.1] min. - 1.13 [28.7] max.

- material: steel
- finish: zinc plated



Medium Slotted Head Panel Latches with Adjustable Grip

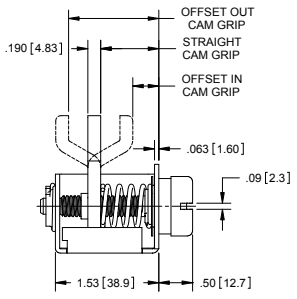
Part Number	Material / Finish	Description	Grip
32ZN-50	steel / zinc plated	offset in	.13 [3.3] min. - .38 [9.7] max.
NEW **32SS-50**	304SS / passivated		
32ZN-51	steel / zinc plated	straight	.38 [9.7] min. - .75 [19.1] max.
NEW **32SS-51**	304SS / passivated		
32ZN-52	steel / zinc plated	offset out	.75 [19.1] min. - 1.13 [28.7] max.
NEW **32SS-52**	304SS / passivated		



Large Panel Latches with Adjustable Grip

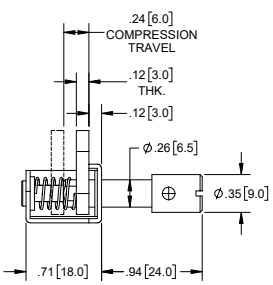
Part Number	Description	Grip
31ZN	offset in	.13 [3.3] min. - .75 [19.1] max.
31ZN-01	straight	.38 [9.7] min. - 1.25 [31.8] max.
31ZN-02	offset out	.88 [22.4] min. - 1.69 [42.9] max.

- material: steel
- finish: zinc plated

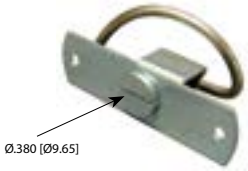


Compression Panel Latch

Part No.	Material	Finish	Description
TL-86A	stainless steel/ brass	nickel plated	straight cam



Small Compression Spring Panel Latches

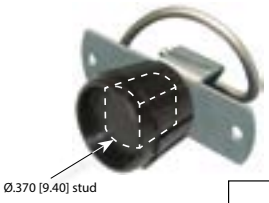


Slotted Head

Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-00ZN	holes	steel	smooth	blue zinc plated	.05 [1.3] min. - .25 [6.4] max.
11-02CO	weld guides	steel	smooth	copper plated	.05 [1.3] min. - .25 [6.4] max.

Knurled Head

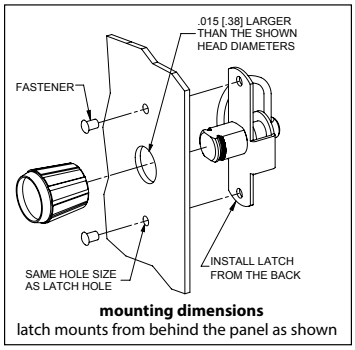
Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-04ZN	holes	steel	smooth	blue zinc plated	.05 [1.3] min. - .25 [6.4] max.
11-06CO	weld guides	steel	smooth	copper plated	.05 [1.3] min. - .25 [6.4] max.



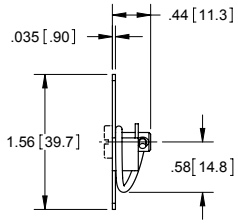
Black Knob Head

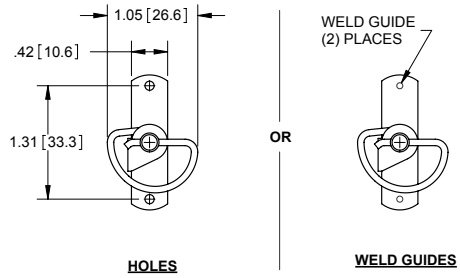
Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-08ZN	holes	steel	smooth	blue zinc plated	.05 [1.3] min. - .25 [6.4] max.
11-09CO	weld guides	steel	smooth	copper plated	.05 [1.3] min. - .25 [6.4] max.

- all small compression spring latches feature 304SS electropolished wire

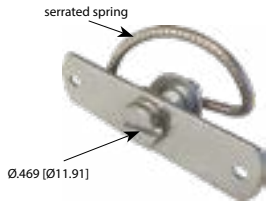


mounting dimensions
latch mounts from behind the panel as shown





Medium Compression Spring Panel Latches



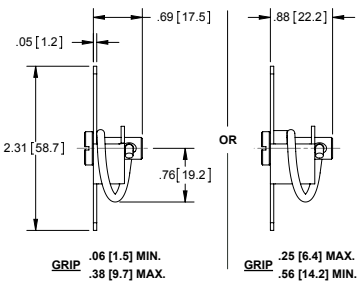
Slotted Head

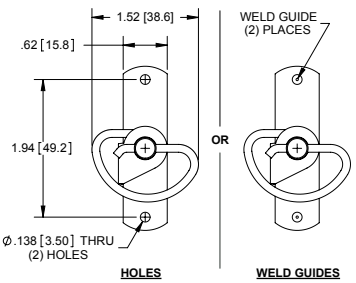
Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-10ZN	holes	steel	smooth	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-10ZN50	holes	steel	serrated	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-10SS	holes	304SS	smooth	electropolished	.06 [1.5] min. - .38 [9.7] max.
11-15CO	weld guides	steel	smooth	copper plated	.06 [1.5] min. - .38 [9.7] max.
11-15CO50	weld guides	steel	serrated	copper plated	.06 [1.5] min. - .38 [9.7] max.
11-15SS	weld guides	304SS	smooth	electropolished	.06 [1.5] min. - .38 [9.7] max.
11-16CO	none	steel	smooth	copper plated	.06 [1.5] min. - .38 [9.7] max.
11-16SS	none	304SS	smooth	electropolished	.06 [1.5] min. - .38 [9.7] max.
11-20ZN	holes	steel	smooth	blue zinc plated	.25 [6.4] min. - .56 [14.2] max.

Knurled Head with T-Bar

Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-30ZN	holes	steel	smooth	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-30ZN50	holes	steel	serrated	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.

- all medium compression spring latches feature 304SS electropolished wire





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Medium Compression Spring Panel Latches

Knurled Head

Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-40ZN	holes	steel	smooth	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-40ZN50	holes	steel	serrated	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-40SS	holes	304SS	smooth	electropolished	.06 [1.5] min. - .38 [9.7] max.
11-45CO	weld guides	steel	smooth	copper plated	.06 [1.5] min. - .38 [9.7] max.
11-45CO50	weld guides	steel	serrated	copper plated	.06 [1.5] min. - .38 [9.7] max.
11-45SS	weld guides	304SS	smooth	electropolished	.06 [1.5] min. - .38 [9.7] max.
11-23ZN	holes	steel	smooth	blue zinc plated	.25 [6.4] min. - .56 [14.2] max.

see previous page for mounting dims

7/16" Hex Bolt Head

Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-70SS	holes	304SS*	smooth	electropolished	.06 [1.5] min. - .38 [9.7] max.

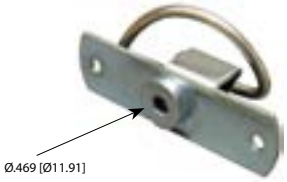
see previous page for mounting dims

NOTE: *body is made of steel material

4mm Recessed Hex Socket Head

Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-90ZN	holes	steel	smooth	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-90ZN50	holes	steel	serrated	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-90SS	holes	304SS	smooth	electropolished	.06 [1.5] min. - .38 [9.7] max.
11-95CO	weld guides	steel	smooth	copper plated	.06 [1.5] min. - .38 [9.7] max.
11-95CO50	weld guides	steel	serrated	copper plated	.06 [1.5] min. - .38 [9.7] max.

see previous page for mounting dims



Black Knob Head

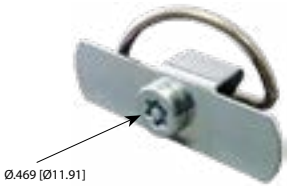
Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-55ZN	holes	steel	smooth	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-55ZN50	holes	steel	serrated	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.
11-50CO	weld guides	steel	smooth	copper plated	.06 [1.5] min. - .38 [9.7] max.
11-50CO50	weld guides	steel	serrated	copper plated	.06 [1.5] min. - .38 [9.7] max.
11-25ZN	holes	steel	smooth	blue zinc plated	.25 [6.4] min. - .56 [14.2] max.

see previous page for mounting dims

T-40 Recessed Torx Socket Head

Part Number	Mounting	Base & Head Material	Spring	Finish	Grip
11-97ZN	none	steel	smooth	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.

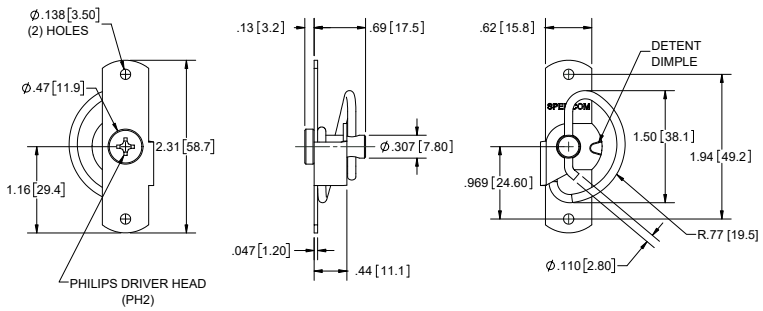
see previous page for mounting dims



Medium Compression Spring Panel Latch

Phillips Driver Head

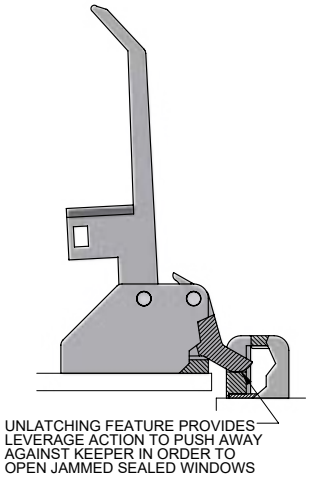
Part Number	Detent Dimple	Mounting	Base & Head Material	Spring	Finish	Grip
11-60ZN	yes	holes	steel	smooth	blue zinc plated	.06 [1.5] min. - .38 [9.7] max.



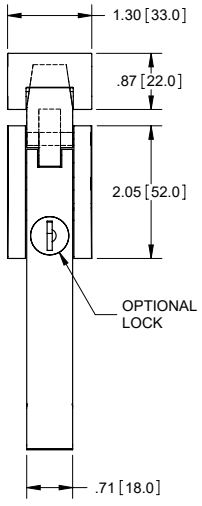
Compression Over-Center Lever Latches 316SS

Part Number	Material	Finish	Key Code
173	die cast zinc	black powder coated	non-locking
173LK	die cast zinc	black powder coated	K03
173LK-751	die cast zinc	black powder coated	CH751
173CH	die cast zinc	chrome plated	non-locking
173CH-LK	die cast zinc	chrome plated	CH751
173SST	316SS	brushed	non-locking
173SST-CH751	316SS	brushed	CH751

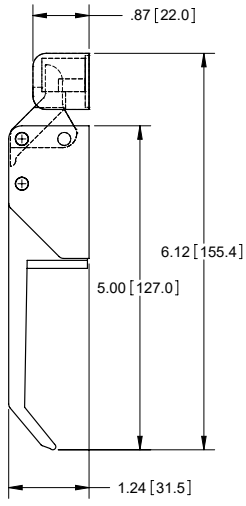
- includes keeper and keys (for locking versions)
- .38 [9.7] stable compression for sealed door latching
- .31 [7.9] unlatching feature for opening jammed sealed doors



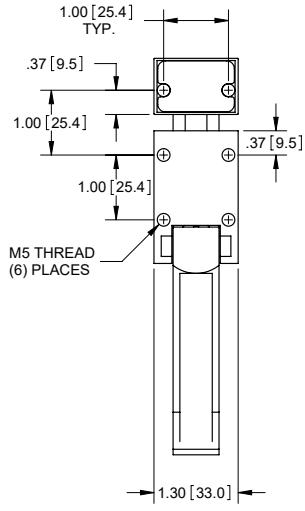
UNLATCHED VIEW



FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW

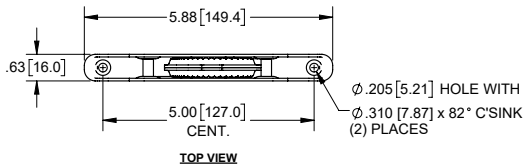
Panel Fastening Concealed Draw Latches

1130-S

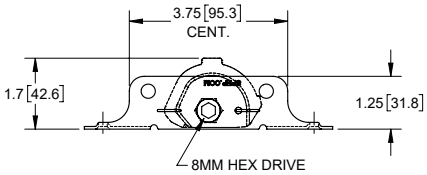
1130-L

Part Number	Description	Material	Finish
1130-L	latch	steel	zinc plated
1130-S	keeper	steel	zinc plated

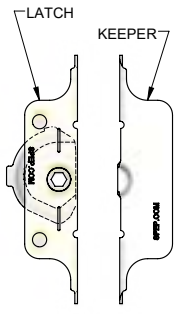
- for drawing panels together
- provides good gasket compression
- strong closing pressure with minimal operating force



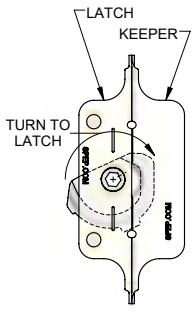
TOP VIEW



FRONT VIEW



ULATCHED



LATCHED

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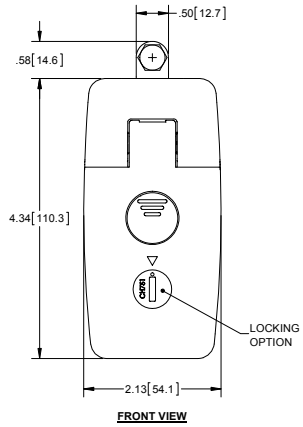
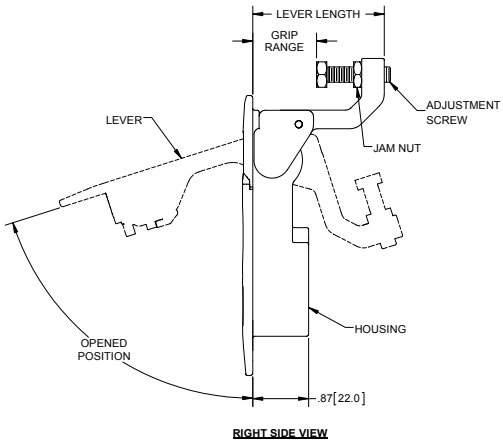
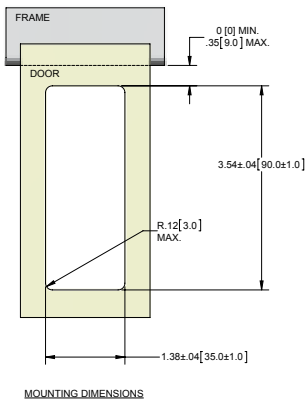
Large Sealed Compression Lever Latches







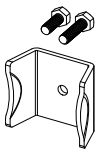
patented

Features

- die cast zinc
- low profile
- dust shutter
- spring loaded lever
- includes:
  - (2) ringed keys
  - (1) mounting bracket with mounting screws
  - (2) or (3) screws are supplied per latch to accommodate the different door thicknesses (see table below and bracket information next to it)
- achieve NEMA 4/IP65 when installed with optional gasket and supplied mounting screw
- optional gasket part no. **9-1G**
- jam nut can be positioned on opposite side of lever in order to achieve max. grip range

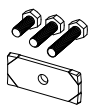
Latch Mounting Brackets
(one set per latch, see table for door thickness)

for .04" - .43" door thickness



for .43" - .83" door thickness

for .83" - 1.61" door thickness

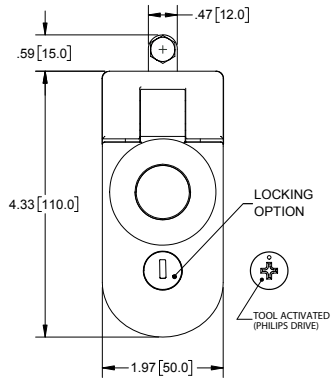


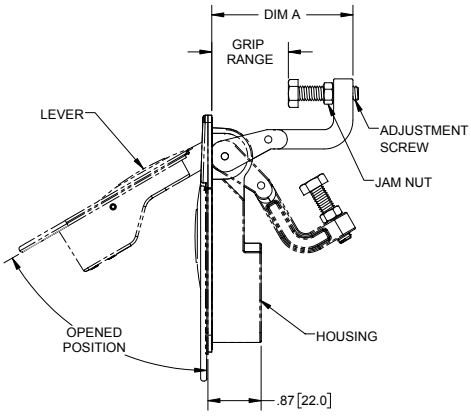
Grip Range	Door Thickness	Part No.	Lock Key Code
.04 [1.0] to .55 [14.0] (1.14 [28.9] Lever Length)	.04 [1.0] to .43 [10.9]	**9-10BK01**	non-locking
		9-12BK01	CH751
	.43 [10.9] to .83 [21.1]	**9-10BK02**	non-locking
		9-12BK02	CH751
	.83 [21.1] to 1.61 [40.9]	**9-10BK03**	non-locking
		9-12BK03	CH751
.55 [14.0] to 1.14 [29.0] (1.73 [44.0] Lever Length)	.04 [1.0] to .43 [10.9]	**9-10BK04**	non-locking
		9-12BK04	CH751
	.43 [10.9] to .83 [21.1]	**9-10BK05**	non-locking
		9-12BK05	CH751
	.83 [21.1] to 1.61 [40.9]	**9-10BK06**	non-locking
		9-12BK06	CH751
1.14 [29.0] to 1.77 [45.0] (2.36 [60.0] Lever Length)	.04 [1.0] to .43 [10.9]	**9-10BK07**	non-locking
		9-12BK07	CH751
	.43 [10.9] to .83 [21.1]	**9-10BK08**	non-locking
		9-12BK08	CH751
	.83 [21.1] to 1.61 [40.9]	**9-10BK09**	non-locking
		9-12BK09	CH751
1.77 [45.0] to 2.24 [57.0] (2.80 [72.0] Lever Length)	.04 [1.0] to .43 [10.9]	**9-10BK10**	non-locking
		9-12BK10	CH751
	.43 [10.9] to .83 [21.1]	**9-10BK11**	non-locking
		9-12BK11	CH751
	.83 [21.1] to 1.61 [40.9]	**9-10BK12**	non-locking
		9-12BK12	CH751

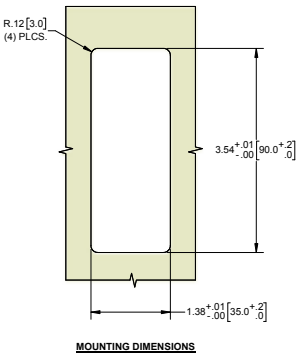
Gasket
part no. **9-1G**

Large Sealed Compression Lever Latches

NEMA 4 IP65 RATED





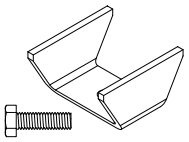


Features

- die cast zinc
- low profile
- dust shutter
- spring loaded lever
- includes:
  - (2) ringed keys
  - (1) mounting bracket with screw
  - gasket
- bracket and screw are supplied to accommodate the different door thicknesses (see table and bracket information next to it)
- jam nut can be positioned on opposite side of lever in order to achieve max. grip range

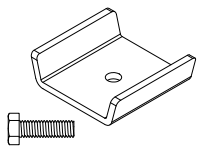
‡ these latches are non-stock

Mounting Bracket A



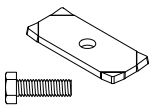
with 20MM long screw

Mounting Bracket B



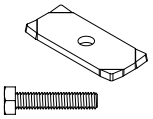
with 20MM long screw

Mounting Bracket C



with 20MM long screw

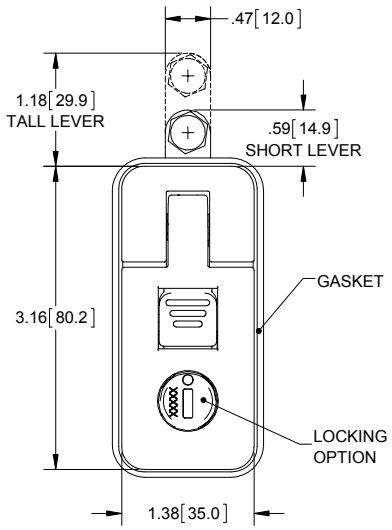
Mounting Bracket D



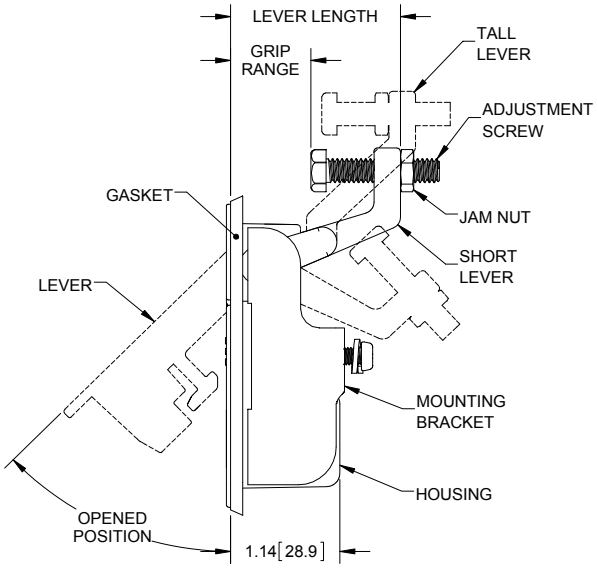
with 30MM long screw

Part Number		Lock/Key Code	Mounting Bracket	Panel Thickness	Grip Range	Dim A	Mounting Screw Length
Black Finish	Chrome Plated						
9-20BK01	9-20CH01	non-locking					
9-22BK01	9-22CH01	CH751 with dust shutter	A	.04 [1.0] - .43 [11.0]	.04 [1.0] - .55 [14.0]	1.14 [29.0]	.78 [20.0]
9-24BK01 ‡	9-24CH01	tool activated phillips plug					
9-20BK02	9-20CH02	non-locking					
9-22BK02	9-22CH02	CH751 with dust shutter	B	.43 [11.0] - .83 [21.0]	.04 [1.0] - .55 [14.0]	1.14 [29.0]	.78 [20.0]
9-24BK02 ‡	9-24CH02	tool activated phillips plug					
9-20BK04	9-20CH04	non-locking					
9-22BK04	9-22CH04	CH751 with dust shutter	A	.04 [1.0] - .43 [11.0]	.55 [14.0] -1.14 [29.0]	1.73 [44.0]	.78 [20.0]
9-24BK04 ‡	9-24CH04	tool activated phillips plug					
9-20BK05	9-20CH05	non-locking					
9-22BK05	9-22CH05	CH751 with dust shutter	B	.43 [11.0] - .83 [21.0]	.55 [14.0] -1.14 [29.0]	1.73 [44.0]	.78 [20.0]
9-24BK05 ‡	9-24CH05	tool activated phillips plug					
9-20BK06	9-20CH06	non-locking					
9-22BK06	9-22CH06	CH751 with dust shutter	C	.83 [21.0] - 1.22 [31.0]	.55 [14.0] -1.14 [29.0]	1.73 [44.0]	.78 [20.0]
9-24BK06 ‡	9-24CH06	tool activated phillips plug					
9-20BK07	9-20CH07	non-locking					
9-22BK07	9-22CH07	CH751 with dust shutter	A	.04 [1.0] - .43 [11.0]	1.14 [29.0] - 1.77 [45.0]	2.36 [60.0]	.78 [20.0]
9-24BK07	9-24CH07	tool activated phillips plug					
9-20BK08	9-20CH08	non-locking					
9-22BK08	9-22CH08	CH751 with dust shutter	B	.43 [11.0] - .83 [21.0]	1.14 [29.0] - 1.77 [45.0]	2.36 [60.0]	.78 [20.0]
9-24BK08 ‡	9-24CH08	tool activated phillips plug					
9-20BK09	9-20CH09	non-locking					
9-22BK09	9-22CH09	CH751 with dust shutter	C	.83 [21.0] - 1.22 [31.0]	1.14 [29.0] - 1.77 [45.0]	2.36 [60.0]	.78 [20.0]
9-24BK09 ‡	9-24CH09	tool activated phillips plug					
9-20BK09A	9-20CH09A	non-locking					
9-22BK09A	9-22CH09A	CH751 with dust shutter	D	1.22 [31.0] - 1.61 [41.0]	1.14 [29.0] - 1.77 [45.0]	2.36 [60.0]	1.18 [30.0]
9-24BK09A ‡	9-24CH09A	tool activated phillips plug					
9-20BK10	9-20CH10	non-locking					
9-22BK10	9-22CH10	CH751 with dust shutter	A	.04 [1.0] - .43 [11.0]	1.77 [45.0] - 2.24 [57.0]	2.83 [72.0]	.78 [20.0]
9-24BK10	9-24CH10	tool activated phillips plug					
9-20BK11	9-20CH11	non-locking					
9-22BK11	9-22CH11	CH751 with dust shutter	B	.43 [11.0] - .83 [21.0]	1.77 [45.0] - 2.24 [57.0]	2.83 [72.0]	.78 [20.0]
9-24BK11 ‡	9-24CH11	tool activated phillips plug					
9-20BK12	9-20CH12	non-locking					
9-22BK12	9-22CH12	CH751 with dust shutter	C	.83 [21.0] - 1.22 [31.0]	1.77 [45.0] - 2.24 [57.0]	2.83 [72.0]	.78 [20.0]
9-24BK12 ‡	9-24CH12	tool activated phillips plug					
9-20BK12A	9-20CH12A	non-locking					
9-22BK12A	9-22CH12A	CH751 with dust shutter	D	1.22 [31.0] - 1.61 [41.0]	1.77 [45.0] - 2.24 [57.0]	2.83 [72.0]	1.18 [30.0]
9-24BK12A ‡	9-24CH12A	tool activated phillips plug					

Small Sealed Compression Lever Latches



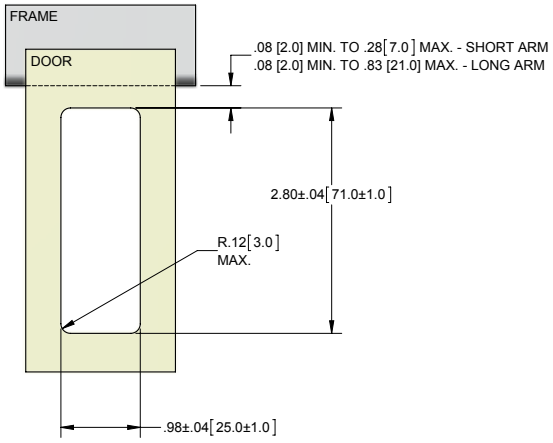
FRONT VIEW



RIGHT SIDE VIEW

locking

patented



MOUNTING DIMENSIONS

non-locking

Features

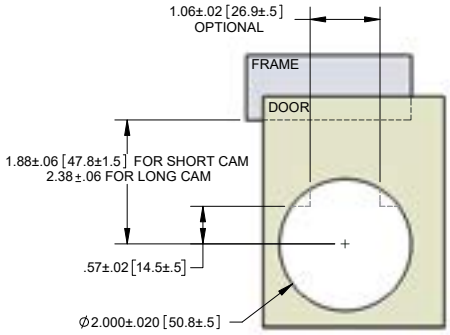
- includes:
  - gasket
  - dust shutter
  - (2) ringed keys
- die cast zinc
- spring loaded lever
- low profile
- achieve NEMA 4/ IP65 when installed with optional gasket and supplied mounting screw
- for a door thickness of .24 [6.0] to .43 [11.0] use spare mounting screw available as part no. **XF154**

Small Sealed Compression Lever Latches

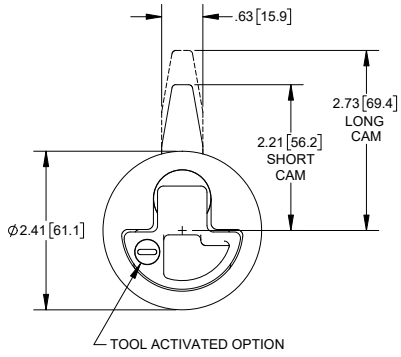
Matte Black	Lock Key Code	Description	Grip Range	Door Thickness
9-15BK01	non-locking	short arm	.47 [12.0] to 1.08 [27.0] (1.70 [43.0] Lever Length)	.04 [1.0] to .24 [6.0]
9-16BK01	CH751			
9-16BK11	CH545			
9-15BK02	non-locking	long arm	.59 [15.0] to 1.25 [31.0] (1.85 [47.0] Lever Length)	.04 [1.0] to .24 [6.0]
9-16BK02	CH751			
9-16BK12	CH545			
9-15BK03	non-locking	short arm	0.0 [0.0] to 1.08 [27.0] (1.70 [43.0] Lever Length)	.04 [1.0] to .24 [6.0]
9-16BK03	CH751			
9-16BK13	CH545			

Flush-Mount Sealed Compression Latches

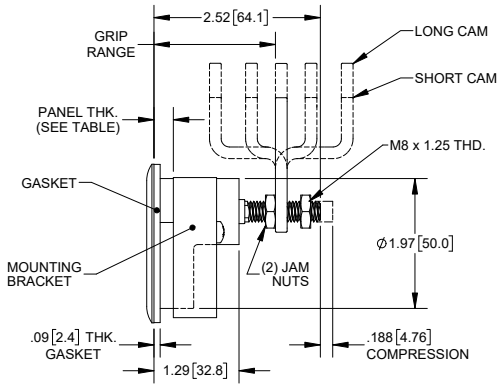
NEMA 4 IP66 PAT.



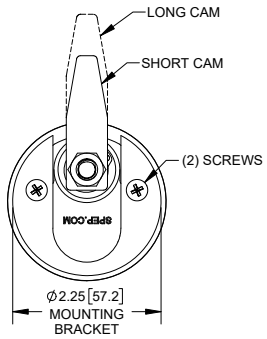
MOUNTING DIMENSIONS



FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW

Features

- die cast zinc
- polished chrome finish
- water sealing
- tool operated lock can be turned with a standard screwdriver
- passes 500 hour salt spray test per ASTM B117

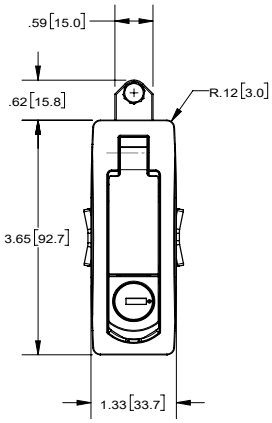
Flush-Mount Round Compression Latches

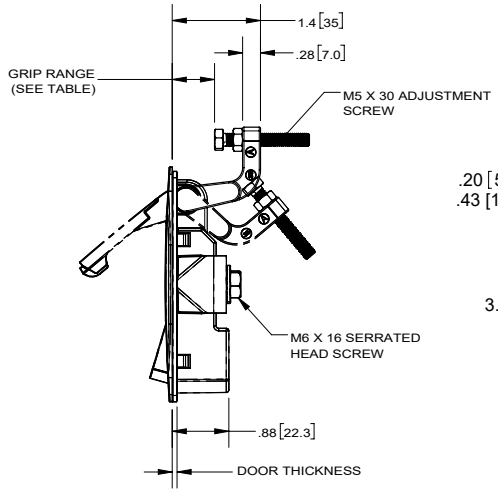
Part Number				Panel Thickness	Grip Range			
Short Cams		Long Cams			Cam Offset In		Cam Offset Out	
Non-Locking	Tool Activated	Non-Locking	Tool Activated		Min.	Max.	Min.	Max.
7-CH-12	7-02CH-12	7-10CH-12	7-12CH-12	.075 [1.91] to .475 [12.07]	-----	1.10 [27.9]	2.48 [63.0]	3.00 [76.2]
7-CH-8	7-02CH-8	7-10CH-8	7-12CH-8		1.06 [26.9]	1.57 [39.9]	2.01 [51.1]	2.52 [64.0]
7-CH-4	7-02CH-4	7-10CH-4	7-12CH-4		1.53 [38.9]	2.04 [51.8]	-----	-----
7-50CH-12	7-52CH-12	7-60CH-12	7-62CH-12	.475 [12.07] to .885 [22.48]	-----	1.10 [27.9]	2.48 [63.0]	3.00 [76.2]
7-50CH-8	7-52CH-8	7-60CH-8	7-62CH-8		1.06 [26.9]	1.57 [39.9]	2.01 [51.1]	2.52 [64.0]
7-50CH-4	7-52CH-4	7-60CH-4	7-62CH-4		1.53 [38.9]	2.04 [51.8]	-----	-----

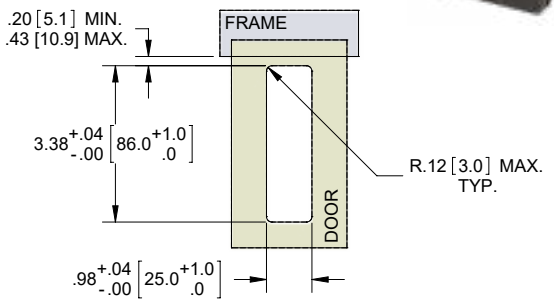
Sealed Raised Trigger Compression Latches

Grip Range	Door Thickness	Part Number		Lock Key Code
		Black Powder Coated	Polished Chrome	
.04"-.95" [1.0-24.0] (1.4" [35] Lever Length)	.04-.20 [1.0-5.0]	**446BK**	**446CH**	non-locking
		446BK-751	**446CH-751**	CH751
.91"-1.81" [23.1-46.0] (2.2" [57] Lever Length)	.04-.20 [1.0-5.0]	**446BK01**	**446CH01**	non-locking
		446BK01-751	**446CH01-751**	CH751

- includes:
  - rubber gasket
  - rubber o-rings
- material: die cast zinc
- lever finish: black powder coated
- spring loaded lever
- (2) ringed keys
- jam nut can be positioned on opposite side of lever in order to achieve maximum grip range





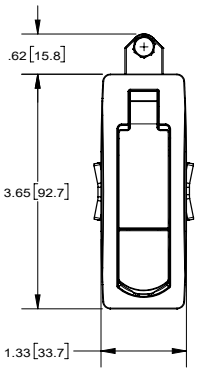


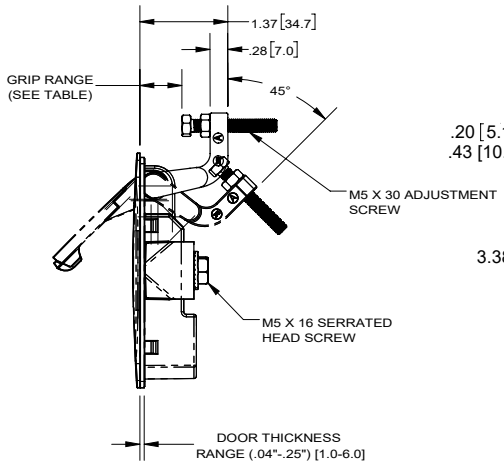
MOUNTING DIMENSIONS

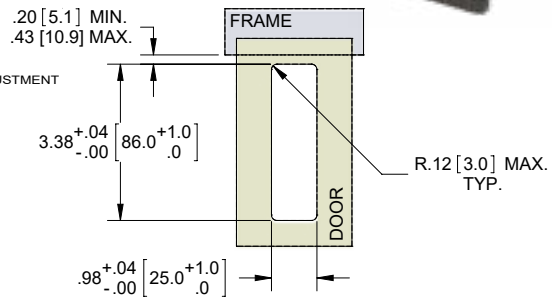
Sealed Flush Trigger Compression Latches, Non-Locking

Grip Range	Door Thickness	Part Number	
		Black Powder Coated	Polished Chrome
.04"-.95" [1.0-24.0] (1.4" [35] Lever Length)	.04-.20 [1.0-5.0]	**448BK**	**448CH**
.91"-1.81" [23.1-46.0] (2.2" [57] Lever Length)	.04-.20 [1.0-5.0]	**448BK01**	**448CH01**

- includes:
  - rubber gasket
  - rubber o-rings
- material: die cast zinc
- spring loaded lever
- jam nut can be positioned on opposite side of lever in order to achieve maximum grip range



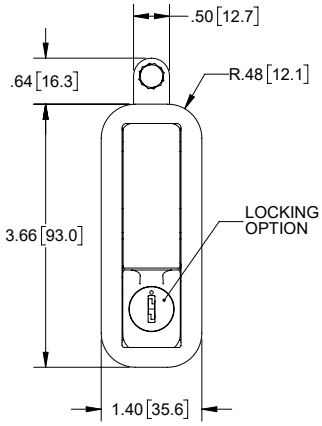




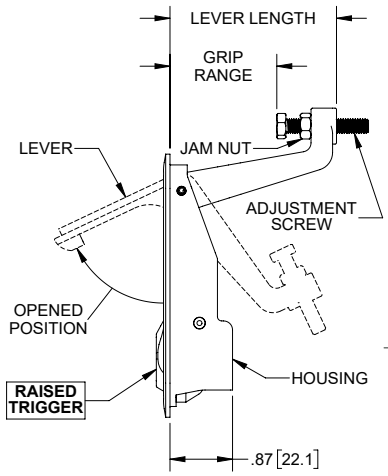
MOUNTING DIMENSIONS

Raised Trigger Compression Latches PAT.

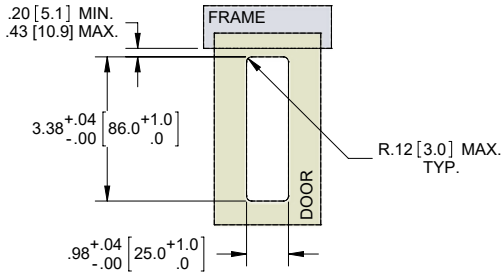
patented



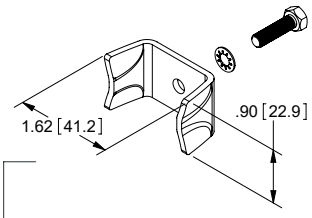
FRONT VIEW



RIGHT SIDE VIEW



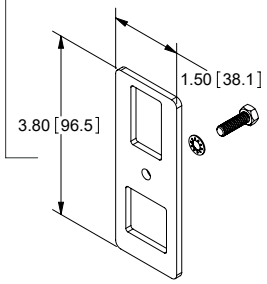
MOUNTING DIMENSIONS



METAL FRAME MOUNTING BRACKET

DOOR THICKNESS
.04 [1.0] MIN. TO .20 [5.1] MAX.
ZINC PLATED FINISH

OR



WOOD FRAME MOUNTING BRACKET

DOOR THICKNESS
.66 [16.8] MIN. TO .75 [19.0] MAX.
ZINC PLATED FINISH

Features

- die cast zinc
- low profile
- spring loaded lever
- mounting bracket per table
- (2) ringed keys included
- jam nut can be positioned on opposite side of lever in order to achieve maximum grip range
- also available with a thicker gauge metal frame mounting bracket for heavier duty applications (part no. **X44-MK01**)
- optional adjustment screw with plastic head (part no. **371**) is available separately, see page 151

Single Key Code Latches and Non-locking Latches

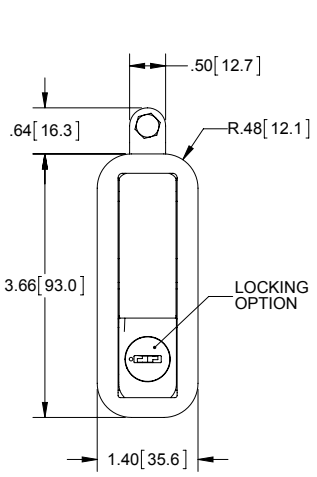
Grip Range .04 [1.0] to .95 [24.1] (1.4 [36] Lever Length)				Grip Range .91 [23.1] to 1.81 [46.0] (2.3 [58] Lever Length)				Mounting	Style
Matte Black	Polished Chrome	Textured Chrome	Gray	Matte Black	Polished Chrome	Textured Chrome	Gray		
44BK-751	**44CH-751**	**44TC-751**	**44G-751**	**44BK01-751**	**44CH01-751**	**44TC01-751**	**44G01-751**	metal mounting	locking- CH751
44BK	**44CH**	**44TC**	**44G**	**44BK01**	**44CH01**	**44TC01**	**44G01**		non-locking
46BK-751	**46CH-751**	**46TC-751**	**46G-751**	**46BK01-751**	**46CH01-751**	**46TC01-751**	**46G01-751**	wood mounting	locking- CH751
46BK	**46CH**	**46TC**	**46G**	**46BK01**	**46CH01**	**46TC01**	**46G01**		non-locking

Latches with (10) Different Key Codes

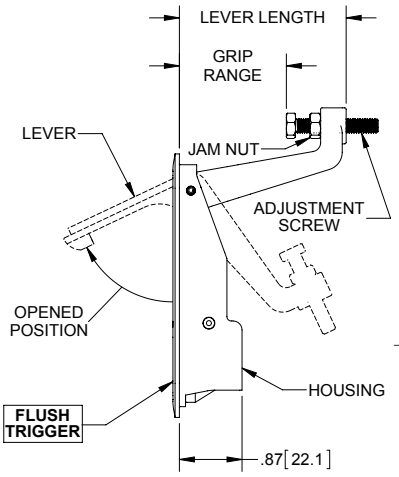
Grip Range .04 [1.0] to .95 [24.1] (1.4 [36] Lever Length)			Grip Range .91 [23.1] to 1.81 [46.0] (2.3 [58] Lever Length)			Mounting	Style
Matte Black	Polished Chrome	Textured Chrome	Matte Black	Polished Chrome	Textured Chrome		
44BK-KD	**44CH-KD**	**44TC-KD**	**44BK01-KD**	**44CH01-KD**	**44TC01-KD**	metal mounting	locking, keyed differently
46BK-KD	**46CH-KD**	**46TC-KD**	**46BK01-KD**	**46CH01-KD**	**46TC01-KD**	wood mounting	

- key codes: 01-10, stamped on lock cylinder's face

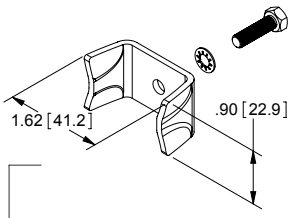
PAT. Flush Trigger Compression Latches



FRONT VIEW



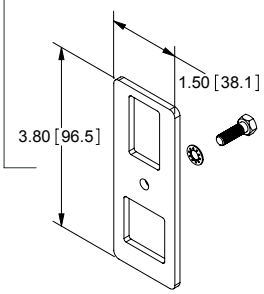
RIGHT SIDE VIEW



METAL FRAME MOUNTING BRACKET

DOOR THICKNESS
.04 [1.0] MIN. TO .20 [5.1] MAX.
ZINC PLATED FINISH

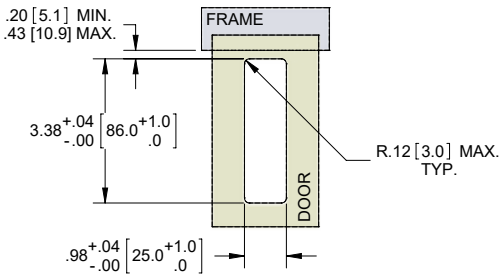
OR



WOOD FRAME MOUNTING BRACKET

DOOR THICKNESS
.66 [16.8] MIN. TO .75 [19.0] MAX.
ZINC PLATED FINISH

patented



MOUNTING DIMENSIONS

Features
▸ die cast zinc ▸ low profile ▸ spring loaded lever ▸ mounting bracket per table
▸ (2) ringed keys included ▸ jam nut can be positioned on opposite side of lever in order to achieve maximum grip range
▸ also available with a thicker gauge metal frame mounting bracket for heavier duty applications (part no. **X44-MK01**) ▸ optional adjustment screw with plastic head (part no. **371**) is available separately, see below

Single Key Code Latches and Non-locking Latches

Grip Range .04 [1.0] to .95 [24.1] (1.4 [36] Lever Length)				Grip Range .91 [23.1] to 1.81 [46.0] (2.3 [58] Lever Length)				Mounting	Style
Matte Black	Polished Chrome	Textured Chrome	Gray	Matte Black	Polished Chrome	Textured Chrome	Gray		
47BK-751	**47CH-751**	**47TC-751**	**47G-751**	**47BK01-751**	**47CH01-751**	**47TC01-751**	**47G01-751**	metal mounting	locking- CH751
47BK	**47CH**	**47TC**	**47G**	**47BK01**	**47CH01**	**47TC01**	**47G01**		non-locking
49BK-751	**49CH-751**	**49TC-751**	**49G-751**	**49BK01-751**	**49CH01-751**	**49TC01-751**	**49G01-751**	wood mounting	locking- CH751
49BK	**49CH**	**49TC**	**49G**	**49BK01**	**49CH01**	**49TC01**	**49G01**		non-locking

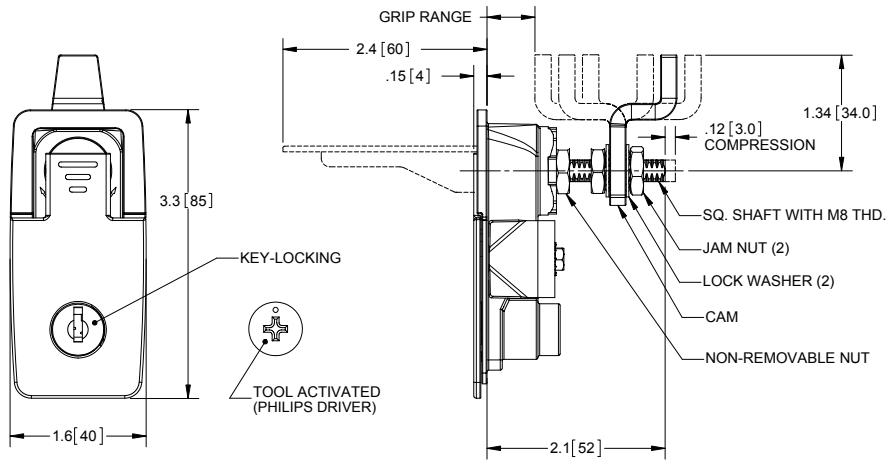
Adjustment Screw with Plastic Head

Part Number	Material	Grip Range
371	304SS screw & nut	0 [0] - .79 [20.1] .59 [15.1] - 1.65 [42.0]

▸ plastic head protects surface finish from being damaged

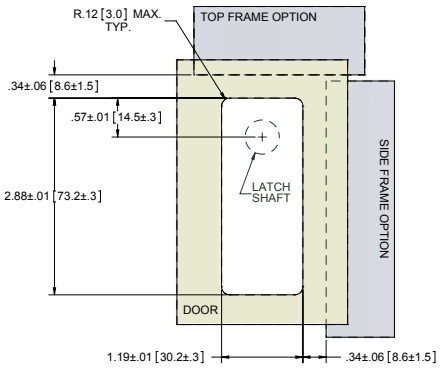
Flush Lift and Turn Compression Latches

NEMA 12 IP64

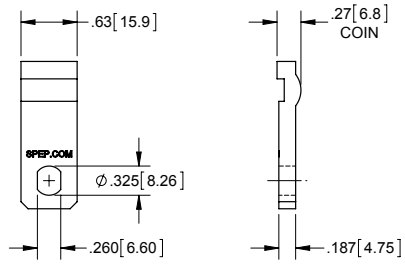


FRONT VIEW

RIGHT SIDE VIEW



MOUNTING DIMENSIONS



FRONT VIEW

RIGHT SIDE VIEW

COINED STRAIGHT CAM
PART NO. **5C11**
(SOLD SEPARATELY)

Features

- includes:
  - (1) mounting bracket
  - (1) mounting screw
  - (1) cam
  - (2) lock washers
  - (2) jam nuts
  - (2) ringed brass keys, nickel plated, key code CH751
- material: die cast zinc
- spring loaded lever
- gasket available separately, part no. **8-1G**
- straight steel, zinc plated cam available separately (part no. **5C11**). See illustration below.
- NEMA 4/IP66 sealing is achieved when **8-1G** gasket is used and sealing is applied to mounting screw

Non-Locking Latches

Part Number			Grip Range			
			Cam Offset In		Cam Offset Out	
Polished Chrome	Black Powder	Textured Chrome	Min.	Max.	Min.	Max.
8-10CH-4	**8-10BK-4**	**8-10TC-4**	1.02 [25.9]	1.41 [35.8]	1.41 [35.8]	1.81 [46.0]
8-10CH-8	**8-10BK-8**	**8-10TC-8**	.63 [16.0]	1.02 [25.9]	1.81 [46.0]	2.20 [55.9]
8-10CH-12	**8-10BK-12**	**8-10TC-12**	.23 [5.8]	.63 [16.0]	2.20 [55.9]	2.59 [65.8]

Key-Locking Latches

Part Number			Grip Range			
			Cam Offset In		Cam Offset Out	
Polished Chrome	Black Powder	Textured Chrome	Min.	Max.	Min.	Max.
8-12CH-4	**8-12BK-4**	**8-12TC-4**	1.02 [25.9]	1.41 [35.8]	1.41 [35.8]	1.81 [46.0]
8-12CH-8	**8-12BK-8**	**8-12TC-8**	.63 [16.0]	1.02 [25.9]	1.81 [46.0]	2.20 [55.9]
8-12CH-12	**8-12BK-12**	**8-12TC-12**	.23 [5.8]	.63 [16.0]	2.20 [55.9]	2.59 [65.8]

Tool Activated Latches

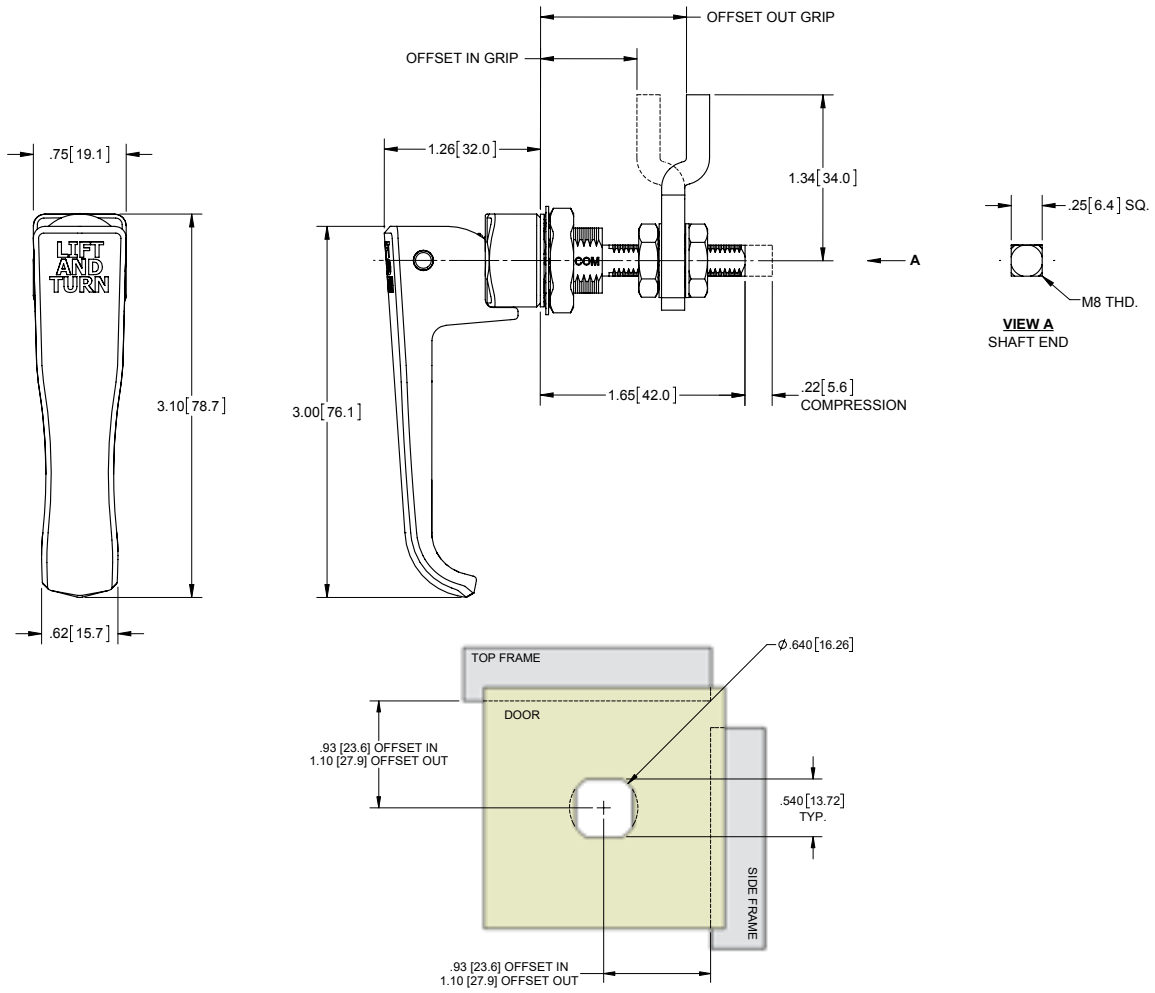
Part Number			Grip Range			
			Cam Offset In		Cam Offset Out	
Polished Chrome	Black Powder	Textured Chrome	Min.	Max.	Min.	Max.
8-14CH-4	**8-14BK-4**	**8-14TC-4**	1.02 [25.9]	1.41 [35.8]	1.41 [35.8]	1.81 [46.0]
8-14CH-8	**8-14BK-8**	**8-14TC-8**	.63 [16.0]	1.02 [25.9]	1.81 [46.0]	2.20 [55.9]
8-14CH-12	**8-14BK-12**	**8-14TC-12**	.23 [5.8]	.63 [16.0]	2.20 [55.9]	2.59 [65.8]

NEMA 12 IP64

Medium Pull Action Lift and Turn Compression Latches

Part Number	Offset In Grip		Offset Out Grip		Material	Finish
	Min.	Max.	Min.	Max		
5-25BC	no cam		no cam		die cast zinc	brushed chrome
5-25BK	no cam		no cam		die cast zinc	matte black
5-25CH	no cam		no cam		die cast zinc	polished chrome
5-25BC-12	0.0 [0]	.20 [5.1]	1.77 [45.0]	2.16 [54.9]	die cast zinc	brushed chrome
5-25BK-12	0.0 [0]	.20 [5.1]	1.77 [45.0]	2.16 [54.9]	die cast zinc	matte black
5-25CH-12	0.0 [0]	.20 [5.1]	1.77 [45.0]	2.16 [54.9]	die cast zinc	polished chrome
5-25BC-8	.20 [5.1]	.59 [15.0]	1.37 [34.8]	1.77 [45.0]	die cast zinc	brushed chrome
5-25BK-8	.20 [5.1]	.59 [15.0]	1.37 [34.8]	1.77 [45.0]	die cast zinc	matte black
5-25CH-8	.20 [5.1]	.59 [15.0]	1.37 [34.8]	1.77 [45.0]	die cast zinc	polished chrome
5-25BC-4	.59 [15.0]	.98 [24.9]	.98 [24.9]	1.37 [34.8]	die cast zinc	brushed chrome
5-25BK-4	.59 [15.0]	.98 [24.9]	.98 [24.9]	1.37 [34.8]	die cast zinc	matte black
5-25CH-4	.59 [15.0]	.98 [24.9]	.98 [24.9]	1.37 [34.8]	die cast zinc	polished chrome

- includes:
  - (1) reversible cam
  - (1) body nut
  - (2) jam nuts
  - (2) lock washers
  - (1) gasket
  - internal O-ring
- straight steel, zinc plated cam sold separately (part no. **5C11**) see pg. 152



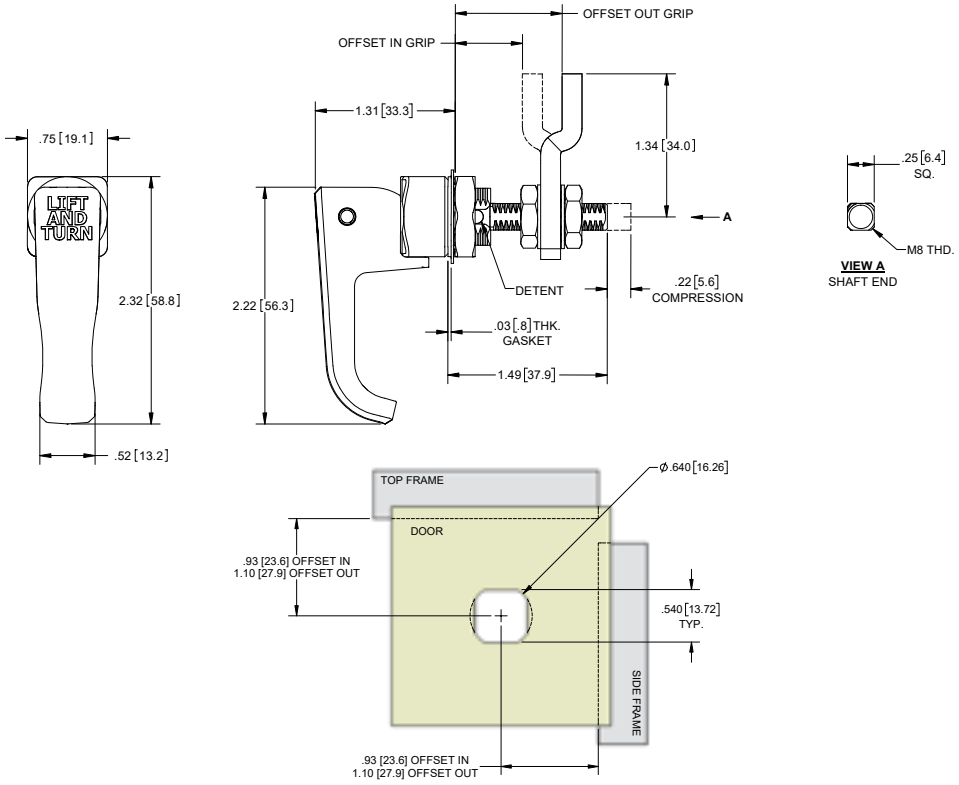
MOUNTING DIMENSIONS

Small Pull Action Lift and Turn Compression Latches

316SS NEMA 12 IP64

Part Number	Offset In Grip		Offset Out Grip		Material	Finish
	Min.	Max.	Min.	Max		
NEW **5-21**	no cam		no cam		die cast zinc	natural with protective film
NEW **5-21BC**	no cam		no cam		die cast zinc	brushed chrome
NEW **5-21BK**	no cam		no cam		die cast zinc	matte black
NEW **5-21CH**	no cam		no cam		die cast zinc	polished chrome
NEW **5-21SST***	no cam		no cam		316SS	passivated
5-20-12	---	---	1.660 [42.16]	2.050 [52.07]	die cast zinc	natural with protective film
5-20BC-12	---	---	1.660 [42.16]	2.050 [52.07]	die cast zinc	brushed chrome
5-20BK-12	---	---	1.660 [42.16]	2.050 [52.07]	die cast zinc	matte black
5-20CH-12	---	---	1.660 [42.16]	2.050 [52.07]	die cast zinc	polished chrome
5-20SS-12	---	---	1.660 [42.16]	2.050 [52.07]	316SS	passivated
5-20-8	.080 [2.03]	.470 [11.94]	1.260 [32.00]	1.650 [41.91]	die cast zinc	natural with protective film
5-20BC-8	.080 [2.03]	.470 [11.94]	1.260 [32.00]	1.650 [41.91]	die cast zinc	brushed chrome
5-20BK-8	.080 [2.03]	.470 [11.94]	1.260 [32.00]	1.650 [41.91]	die cast zinc	matte black
5-20CH-8	.080 [2.03]	.470 [11.94]	1.260 [32.00]	1.650 [41.91]	die cast zinc	polished chrome
5-20SS-8	.080 [2.03]	.470 [11.94]	1.260 [32.00]	1.650 [41.91]	316SS	passivated
5-20-4	.470 [11.94]	.870 [22.10]	.870 [22.10]	1.250 [31.75]	die cast zinc	natural with protective film
5-20BC-4	.470 [11.94]	.870 [22.10]	.870 [22.10]	1.250 [31.75]	die cast zinc	brushed chrome
5-20BK-4	.470 [11.94]	.870 [22.10]	.870 [22.10]	1.250 [31.75]	die cast zinc	matte black
5-20CH-4	.470 [11.94]	.870 [22.10]	.870 [22.10]	1.250 [31.75]	die cast zinc	polished chrome
5-20SS-4	.470 [11.94]	.870 [22.10]	.870 [22.10]	1.250 [31.75]	316SS	passivated

- includes:
  - (1) reversible cam
  - (1) body nut
  - (2) jam nuts
  - (2) lock washers
- gasket included for die cast zinc parts only. also sold separately as part no. **5-25G**
- straight steel, zinc plated cam sold separately (part no. **5C11**) see pg. 152
- * no internal sealing, suitable for high temperature applications

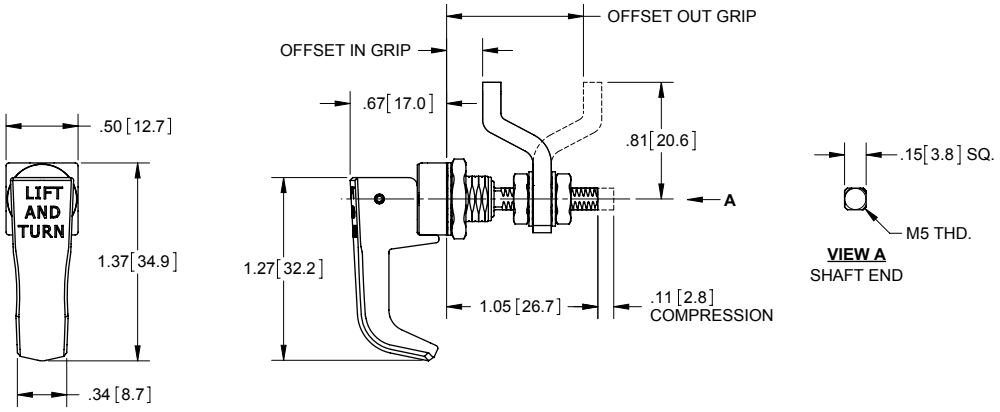


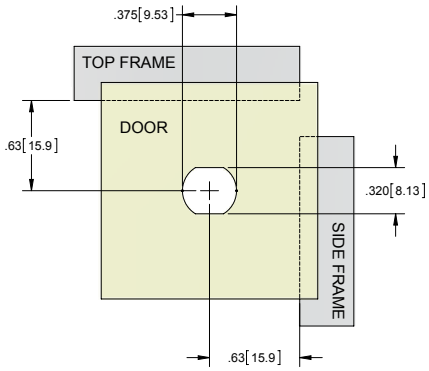
MOUNTING DIMENSIONS

Mini Pull Action Lift and Turn Compression Latches

Part Number	Offset In Grip		Offset Out Grip		Material	Finish
	Min.	Max.	Min.	Max		
5-15BK	no cam		no cam		die cast zinc	matte black
5-15CH	no cam		no cam		die cast zinc	polished chrome
5-15BK-1	.39 [9.9]	.63 [16.0]	.63 [16.0]	.87 [22.1]	die cast zinc	matte black
5-15CH-1	.39 [9.9]	.63 [16.0]	.63 [16.0]	.87 [22.1]	die cast zinc	polished chrome
5-15BK-2	.16 [4.1]	.39 [9.9]	.87 [22.1]	1.10 [27.9]	die cast zinc	matte black
5-15CH-2	.16 [4.1]	.39 [9.9]	.87 [22.1]	1.10 [27.9]	die cast zinc	polished chrome
5-15BK-3	0.0 [0]	.16 [4.1]	1.10 [27.9]	1.34 [34.0]	die cast zinc	matte black
5-15CH-3	0.0 [0]	.16 [4.1]	1.10 [27.9]	1.34 [34.0]	die cast zinc	polished chrome

- die cast zinc
- includes:
  - (1) reversible cam
  - (1) body nut
  - (2) jam nuts
  - (2) lock washers



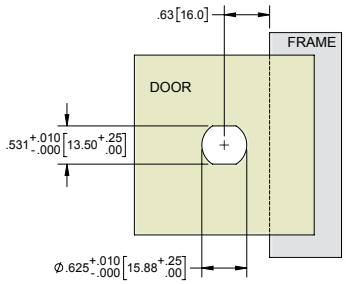


MOUNTING DIMENSIONS

Small Compression Latches

NEMA 4 NEMA 12 IP65 RATED

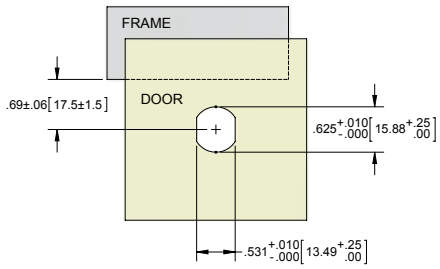
Grip Range		Part Number				
Min.	Max.	Recessed Hex	Thumb Turn	Slotted	Recessed Tubular	Hex Socket
.13 [3.2]	.25 [6.4]	**3-10BK01**	**3-11BK01**	**3-12BK01**	**3-13BK01**	**3-14BK01**
.25 [6.4]	.38 [9.5]	**3-10BK02**	**3-11BK02**	**3-12BK02**	**3-13BK02**	**3-14BK02**
.38 [9.5]	.50 [12.7]	**3-10BK03**	**3-11BK03**	**3-12BK03**	**3-13BK03**	**3-14BK03**
.50 [12.7]	.63 [15.9]	**3-10BK04**	**3-11BK04**	**3-12BK04**	**3-13BK04**	**3-14BK04**
.63 [15.9]	.75 [19.0]	**3-10BK05**	**3-11BK05**	**3-12BK05**	**3-13BK05**	**3-14BK05**
.75 [19.0]	.88 [22.2]	**3-10BK06**	**3-11BK06**	**3-12BK06**	**3-13BK06**	**3-14BK06**
.88 [22.2]	1.00 [25.4]	**3-10BK07**	**3-11BK07**	**3-12BK07**	**3-13BK07**	**3-14BK07**
1.00 [25.4]	1.13 [28.6]	**3-10BK08**	**3-11BK08**	**3-12BK08**	**3-13BK08**	**3-14BK08**



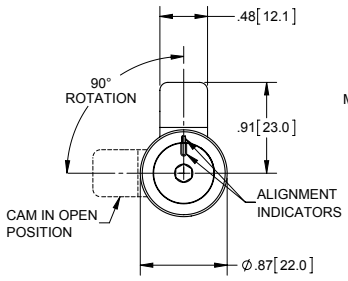
MOUNTING DIMENSIONS

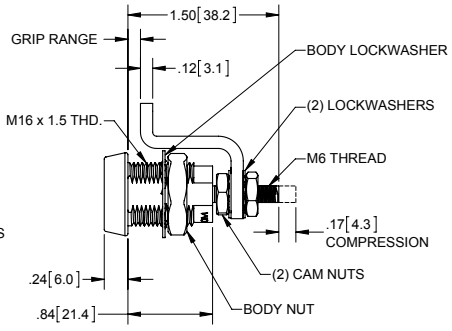
- includes:
  - (1) body lock washer
  - (1) body mounting nut
  - (1) cam
  - (2) cam lock washers
  - (2) cam mounting nuts
- die cast zinc
- finish: black powder coated
- grip range shown is in locked position
- achieves NEMA type 4, 12 and IP65 when used with **K04G** gasket (sold separately)

- **NOTE:** standard 5/32" or 4mm Allen wrench hex tool to be used for the **recessed hex** lock
- **NOTE:** standard thin wall 5/16" or 8mm hex socket tool to be used for the **hex socket** lock.



MOUNTING DIMENSIONS



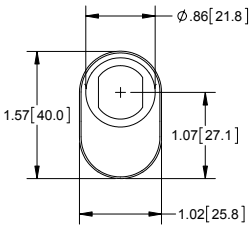


Key for Recessed Tubular Lock

Part Number	Material	Finish
3-13K	steel	nickel plated

part no.
KH37BK

part no.
KH37BK-01



Black Finger Pulls

Part Number	Description	Material
KH37BK	in-line	black nylon
KH37BK-01	perpendicular	black nylon

- textured finish

Large Compression Latches

316SS NEMA 4 NEMA 12 IP65 RATED

Features

- includes:
  - (1) body lock washer
  - (1) body mounting nut
  - (1) cam
  - (2)cam lock washers
  - (2) cam mounting nuts
- die cast zinc (some available in 316SS)
- finish: black powder coated
- grip range shown is in locked position
- achieves NEMA type 4, 12 and IP65 when used with **X174-01** gasket (sold separately), achieves NEMA 4x for **316SSTP** version only
- 1.37 [34.9] O.D. x .13 [3.2] thick steel zinc plated spacer (sold separately as part no. **KH45**)

die cast zinc material

Part Number						Grip Range			
available in 316SS	available in 316SS		available in 316SS						
Non-Locking T	**Thumb Turn**	**Locking T**	**8mm Recessed Hex**	**3mm Double Bitted**	**7mm Triangle**	**Cam Offset In**		**Cam Offset Out**	
						Min.	**Max.**	**Min.**	**Max.**
4-10BK05	**4-11BK05***	**4-12BK05**	**4-13BK05***	**4-14BK05**	**4-15BK05**	1.53 [38.9] - 2.15 [54.6] straight			
4-10BK10	**4-11BK10***	**4-12BK10**	**4-13BK10***	**4-14BK10**	**4-15BK10**	1.00 [25.4]	1.62 [41.1]	2.07[52.6]	2.69 [68.3]
4-10BK15	**4-11BK15***	**4-12BK15**	**4-13BK15***	**4-14BK15**	**4-15BK15**	0.45 [11.4]	1.07 [27.2]	2.61 [66.3]	3.00 [76.2]

- Non-locking T latches are also available in 316SS material with hand polished finish: **4-10SSTP05**, **4-10SSTP10**, **4-10SSTP15**
- * Thumb Turn, 8mm Recessed Hex and Slotted latches are also available in 316SS material with passivated finish

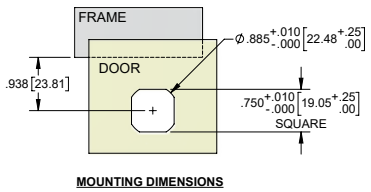
316SS material

Part Number						Grip Range			
	available in 316SS								
7mm Square	**Slotted**	**Recessed Tubular**	**8mm Square**	**Bellcore 216**	**Bellcore Electronics**	**Cam Offset In**		**Cam Offset Out**	
						Min.	**Max.**	**Min.**	**Max.**
4-16BK05	**4-17BK05***	**4-18BK05**	**4-19BK05**	**4-21BK05**	**4-22BK05**	1.53 [38.9] - 2.15 [54.6] straight			
4-16BK10	**4-17BK10***	**4-18BK10**	**4-19BK10**	**4-21BK10**	**4-22BK10**	1.00 [25.4]	1.62 [41.1]	2.07[52.6]	2.69 [68.3]
4-16BK15	**4-17BK15***	**4-18BK15**	**4-19BK15**	**4-21BK15**	**4-22BK15**	0.45 [11.4]	1.07 [27.2]	2.61 [66.3]	3.00 [76.2]

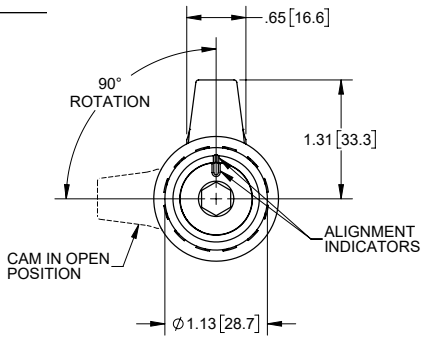
- **NOTE:** gasket available separately (part no. **X174-01**)

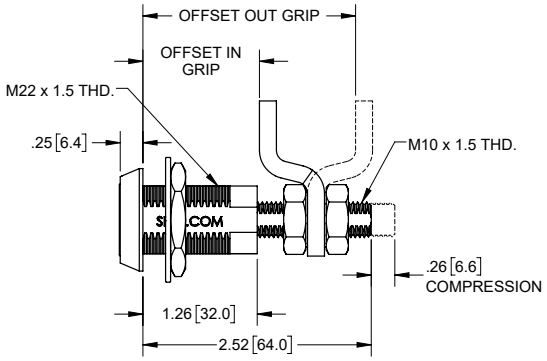
Key For Recessed Plugs

Part Number	Key Style
4-14K	3mm double bitted
4-15K	7mm triangle
4-16K	7mm square
4-18K	recessed tubular
4-19K	8mm square
4-21K	Bellcore 216
4-22K	Bellcore electronics



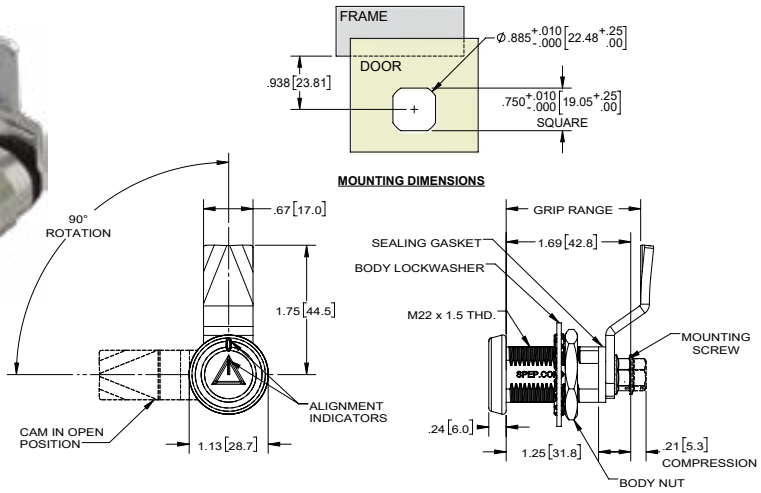
MOUNTING DIMENSIONS





Large Compression Latches with Fixed Grip

NEMA 4 NEMA 12 IP65 RATED



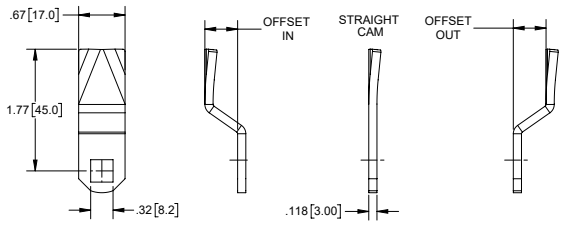
Features

- die cast zinc with black powder coated finish
- grip range shown is in locked position
- achieves NEMA type 4, 12 and IP65
- includes:
  - (1) face seal
  - (1) mounting lock washer
  - (1) body nut
  - (1) face seal
  - (1) cam mounting screw

Keys

Part Number	Key Style
4-14K	3mm double bitted
4-18K	recessed tubular
45-16K	7mm square & 8mm square
45-23K	7mm triangle & 8mm triangle

Total Grip	Latches Part Number								
	Thumb Turn	8MM Hex	3MM Double Bitted	7MM Triangle	7MM Square	Slotted	Recessed Tubular	8MM Square	8MM Triangle
---	**45-11BK**	**45-13BK**	**45-14BK**	**45-15BK**	**45-16BK**	**45-17BK**	**45-18BK**	**45-19BK**	**45-23BK**
0.59 [15.0]	**45-11BK00**	**45-13BK00**	**45-14BK00**	**45-15BK00**	**45-16BK00**	**45-17BK00**	**45-18BK00**	**45-19BK00**	**45-23BK00**
0.67 [17.0]	**45-11BK01**	**45-13BK01**	**45-14BK01**	**45-15BK01**	**45-16BK01**	**45-17BK01**	**45-18BK01**	**45-19BK01**	**45-23BK01**
0.75 [19.0]	**45-11BK02**	**45-13BK02**	**45-14BK02**	**45-15BK02**	**45-16BK02**	**45-17BK02**	**45-18BK02**	**45-19BK02**	**45-23BK02**
0.83 [21.0]	**45-11BK03**	**45-13BK03**	**45-14BK03**	**45-15BK03**	**45-16BK03**	**45-17BK03**	**45-18BK03**	**45-19BK03**	**45-23BK03**
0.91 [23.0]	**45-11BK04**	**45-13BK04**	**45-14BK04**	**45-15BK04**	**45-16BK04**	**45-17BK04**	**45-18BK04**	**45-19BK04**	**45-23BK04**
0.98 [25.0]	**45-11BK05**	**45-13BK05**	**45-14BK05**	**45-15BK05**	**45-16BK05**	**45-17BK05**	**45-18BK05**	**45-19BK05**	**45-23BK05**
1.06 [27.0]	**45-11BK06**	**45-13BK06**	**45-14BK06**	**45-15BK06**	**45-16BK06**	**45-17BK06**	**45-18BK06**	**45-19BK06**	**45-23BK06**
1.14 [29.0]	**45-11BK07**	**45-13BK07**	**45-14BK07**	**45-15BK07**	**45-16BK07**	**45-17BK07**	**45-18BK07**	**45-19BK07**	**45-23BK07**
1.22 [31.0]	**45-11BK08**	**45-13BK08**	**45-14BK08**	**45-15BK08**	**45-16BK08**	**45-17BK08**	**45-18BK08**	**45-19BK08**	**45-23BK08**
1.30 [33.0]	**45-11BK09**	**45-13BK09**	**45-14BK09**	**45-15BK09**	**45-16BK09**	**45-17BK09**	**45-18BK09**	**45-19BK09**	**45-23BK09**
1.38 [35.0]	**45-11BK10**	**45-13BK10**	**45-14BK10**	**45-15BK10**	**45-16BK10**	**45-17BK10**	**45-18BK10**	**45-19BK10**	**45-23BK10**
1.46 [37.0]	**45-11BK11**	**45-13BK11**	**45-14BK11**	**45-15BK11**	**45-16BK11**	**45-17BK11**	**45-18BK11**	**45-19BK11**	**45-23BK11**
1.54 [39.0]	**45-11BK12**	**45-13BK12**	**45-14BK12**	**45-15BK12**	**45-16BK12**	**45-17BK12**	**45-18BK12**	**45-19BK12**	**45-23BK12**
1.61 [41.0]	**45-11BK13**	**45-13BK13**	**45-14BK13**	**45-15BK13**	**45-16BK13**	**45-17BK13**	**45-18BK13**	**45-19BK13**	**45-23BK13**
1.69 [43.0]	**45-11BK14**	**45-13BK14**	**45-14BK14**	**45-15BK14**	**45-16BK14**	**45-17BK14**	**45-18BK14**	**45-19BK14**	**45-23BK14**
1.77 [45.0]	**45-11BK15**	**45-13BK15**	**45-14BK15**	**45-15BK15**	**45-16BK15**	**45-17BK15**	**45-18BK15**	**45-19BK15**	**45-23BK15**
1.85 [47.0]	**45-11BK16**	**45-13BK16**	**45-14BK16**	**45-15BK16**	**45-16BK16**	**45-17BK16**	**45-18BK16**	**45-19BK16**	**45-23BK16**
1.93 [49.0]	**45-11BK17**	**45-13BK17**	**45-14BK17**	**45-15BK17**	**45-16BK17**	**45-17BK17**	**45-18BK17**	**45-19BK17**	**45-23BK17**
2.00 [51.0]	**45-11BK18**	**45-13BK18**	**45-14BK18**	**45-15BK18**	**45-16BK18**	**45-17BK18**	**45-18BK18**	**45-19BK18**	**45-23BK18**
2.09 [53.0]	**45-11BK19**	**45-13BK19**	**45-14BK19**	**45-15BK19**	**45-16BK19**	**45-17BK19**	**45-18BK19**	**45-19BK19**	**45-23BK19**



Single Point Cams

Part No.	Grip	Offset In
45C00	[15.0]	0.71 [18.0] in
45C01	[17.0]	0.63 [16.0] in
45C02	[19.0]	0.55 [14.0] in
45C03	[21.0]	0.47 [12.0] in
45C04	[23.0]	0.39 [10.0] in
45C05	[25.0]	0.31 [8.0] in
45C06	[27.0]	0.24 [6.0] in
45C07	[29.0]	0.16 [4.0] in
45C08	[31.0]	0.08 [2.0] in
45C09	[33.0]	0.00 [0.0] in

- steel, zinc plated

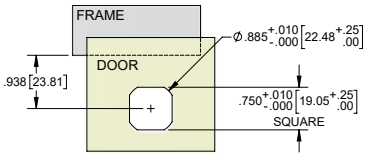
Part No.	Grip	Offset Out
45C10	[35.0]	0.08 [2.0] out
45C11	[37.0]	0.16 [4.0] out
45C12	[39.0]	0.24 [6.0] out
45C13	[41.0]	0.31 [8.0] out
45C14	[43.0]	0.39 [10.0] out
45C15	[45.0]	0.47 [12.0] out
45C16	[47.0]	0.55 [14.0] out
45C17	[49.0]	0.63 [16.0] out
45C18	[51.0]	0.71 [18.0] out
45C19	[53.0]	0.79 [20.0] out

- steel, zinc plated

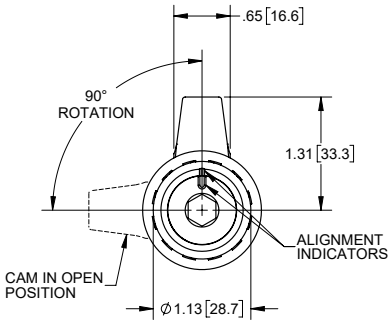
Compression Latches with Long Body

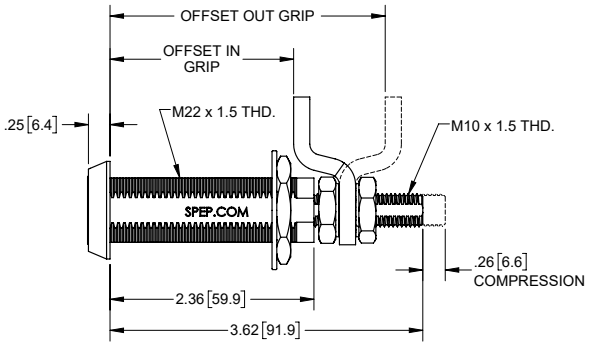
Part Numbers	Grip Range			
8mm Recessed Hex	Cam Offset In		Cam Offset Out	
	Min.	Max.	Min.	Max.
4-53BK15	1.55 [39.4]	2.17 [55.1]	2.61 [66.3]	3.23 [82.0]
4-53BK10	2.10 [53.3]	2.72 [69.1]	3.16 [80.3]	3.78 [96.0]
4-53BK05	2.63 [66.8]	3.25 [82.6]	3.69 [93.7]	4.31 [109.5]

- die cast zinc
- finish: black powder coated
- grip range shown is in locked position
- achieves NEMA type 4, 12 and IP65 when used with **X174-01** gasket (sold separately)
- 1.38 [35.0] O.D. x .125 [28.58] thick steel, zinc plated spacer (sold separately as part no. **KH45**)



MOUNTING DIMENSIONS





Large Compression Latches Accessories

Spacer

Part Number	Material	Finish
KH45	steel	zinc plated

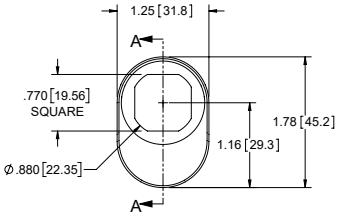
- used with parts on pages 157 - 159

Black Finger Pull

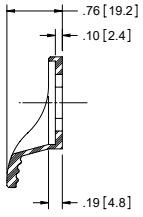
UV

Part Number	Material	Finish
KH38BK	thermoplastic with UV stabilizers	textured

- will shorten cam grip by .10" when you use this part
- used with parts on pages 157 - 159



FRONT VIEW

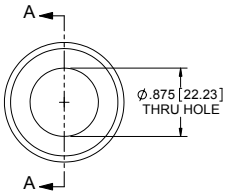


SECTION A-A

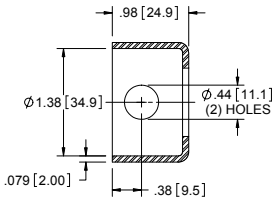
Padlock Cups

Part Number	Material	Finish
KH30BK	steel	black powder coated
KH30SS	304SS	passivated

- accepts Ø.375 (3/8) padlock
- will shorten cam grip by .08" when you use this part
- used with parts on pages 157 - 159
- will not work with part numbers **4-10BK**, **4-11BK**, and **4-12BK**



TOP VIEW



SECTION A-A

Compression Latches with Three-hole Mounting

NEMA 4 NEMA 12 IP65 RATED

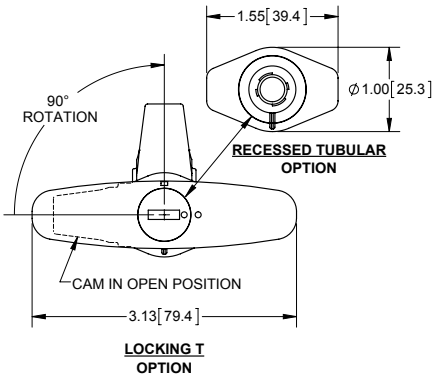
locking

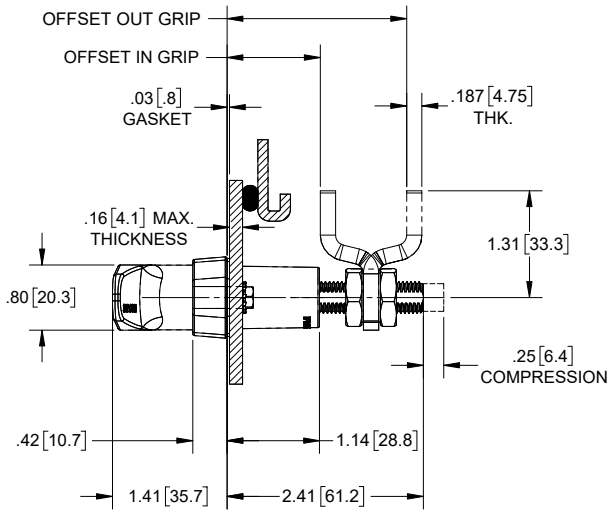
non-locking

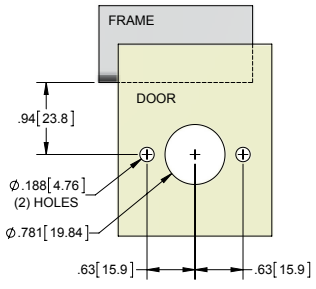
Recessed Tubular

Part Numbers			Grip Range			
Key Locking T	Non-Locking T	Recessed Tubular	Cam Offset In		Cam Offset Out	
			Min.	Max.	Min.	Max.
4-32BK05	**4-30BK05**	**4-38BK05**	1.39 - [35.3] straight			
4-32BK10	**4-30BK10**	**4-38BK10**	0.86 [21.8]	1.47 [37.3]	1.93 [49.0]	2.55 [64.7]
4-32BK15	**4-30BK15**	**4-38BK15**	0.31 [7.9]	0.93 [23.6]	2.47 [62.7]	3.00 [76.2]

- die cast zinc
- finish: black
- grip range shown in closed position
- achieves NEMA type 4, 12, and IP65
- recessed tubular latches do not include keys but can be purchased separately as part number **4-18K**
- key locking latches include (2) CH751 ringed keys
- includes:
  - (1) handle
  - (2) mounting screws
  - (2) jam nuts
  - (2) lock washers
  - (1) cam
  - (1) gasket



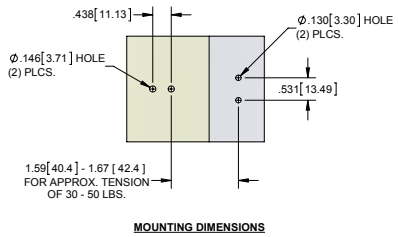




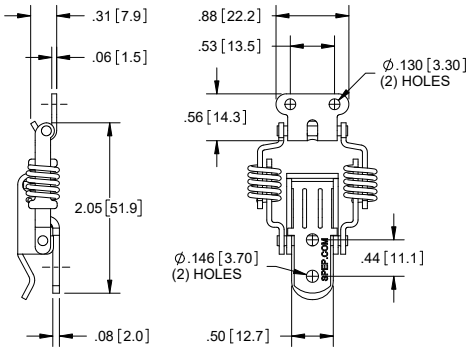
MOUNTING DIMENSIONS

Small Compression Pull Down Catch and Keeper

Part Number	Material	Finish
2053ZN	steel	zinc plated
2053SS	304SS	electropolished

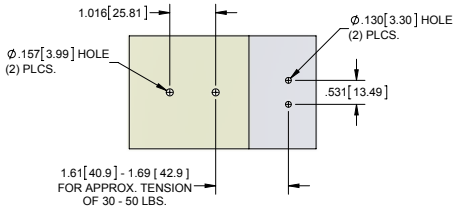


MOUNTING DIMENSIONS

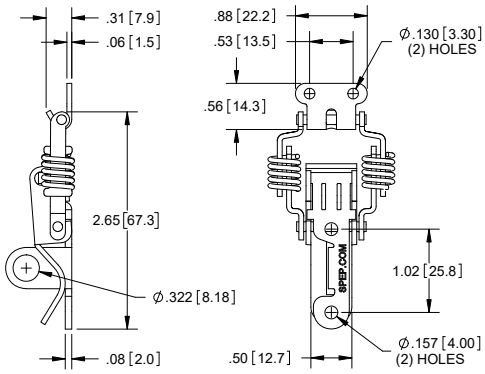


Small Compression Pull Down Catch with Padlock Eye and Keeper

Part Number	Material	Finish
2054ZN	steel	zinc plated
2054SS	304SS	electropolished

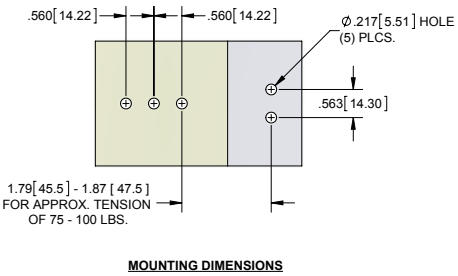


MOUNTING DIMENSIONS

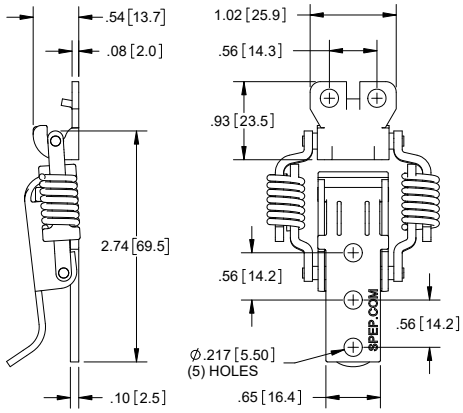


Large Compression Pull Down Catch and Keeper

Part Number	Material	Finish
2055ZN	steel	zinc plated
2055SS	304SS	electropolished



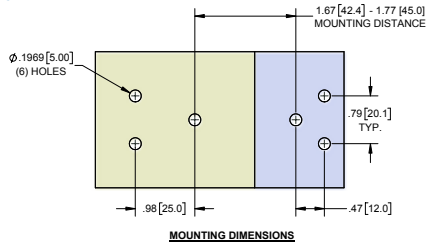
MOUNTING DIMENSIONS



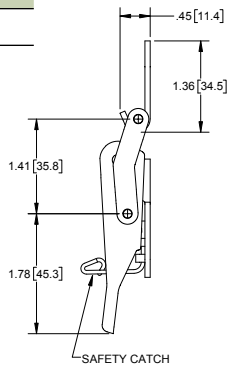
Spring Loaded Draw Pull Latch with Safety Catch

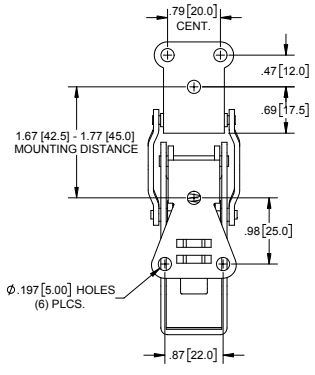
Part Number	Material	Finish
2064SS	304SS	passivated

- built-in safety catch
- spring loaded

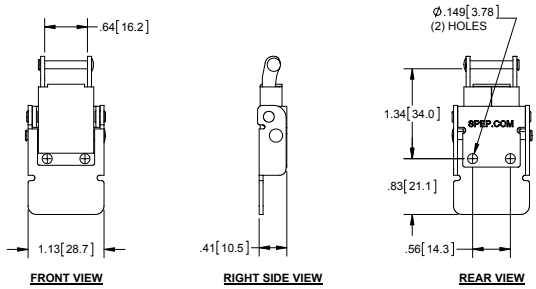


MOUNTING DIMENSIONS





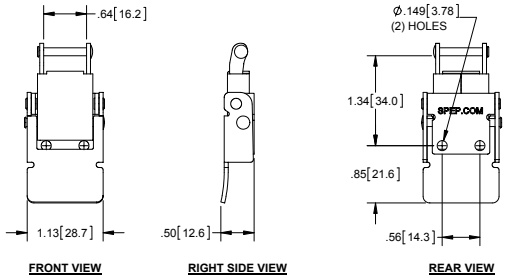
Over Center Latch with Compression Spring - Tab Straight



Part Number	Description	Material	Finish
2034SS-L	tab straight latch	304SS	passivated

see page 163 for keeper (sold separately)

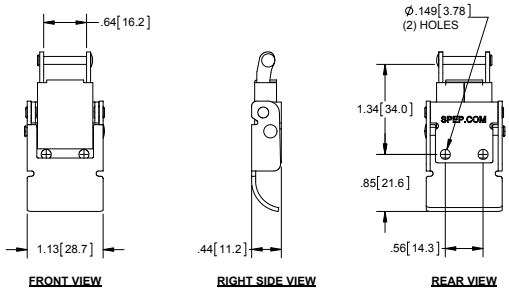
Over Center Latch with Compression Spring - Tab Up



Part Number	Description	Material	Finish
2035SS-L	tab up latch	304SS	passivated

see page 163 for keeper (sold separately)

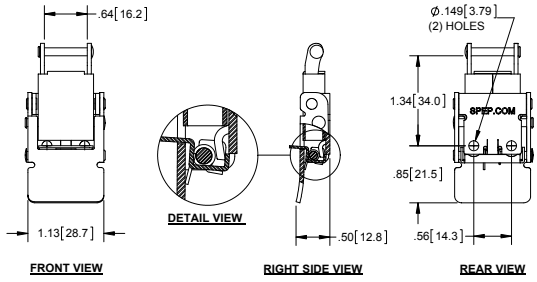
Over Center Latch with Compression Spring - Tab Down 316SS



Part Number	Description	Material	Finish
2036SS-L	tab down latch	304SS	passivated
2036SS-L03	tab down latch	316SS	passivated

see page 163 for keeper (sold separately)

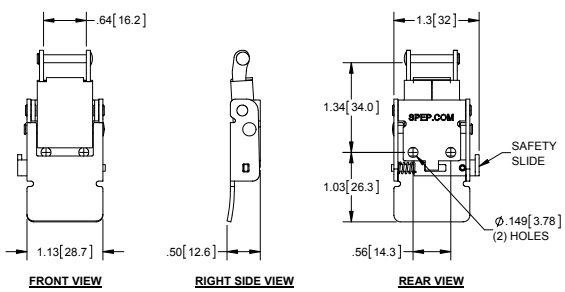
Over Center Latch with Compression Spring - Safety Catch 316SS



Part Number	Description	Material	Finish
2033SS-L	tab up latch	304SS	passivated
2033SS-L01	tab up latch	316SS	passivated
2037SS-L	tab down latch	304SS	passivated

see page 163 for keeper (sold separately)

Over Center Latch with Compression Spring - Safety Slide



Part Number	Description	Material	Finish
2038SS-L	tab up latch	304SS	passivated

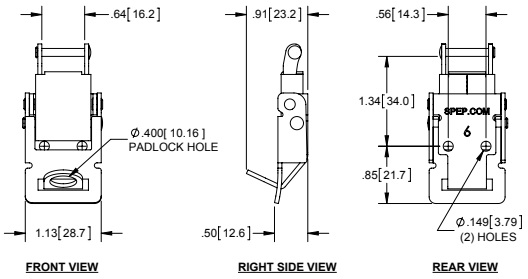
see page 163 for keeper (sold separately)

- safety slide prevents latch from opening accidentally and may be released by depressing the slide

316SS Compression Spring and Over Center Latch with Padlock Eye

Part Number	Description	Material	Finish
2032SS-L	tab up latch	304SS	passivated
2032SS-L03	tab up latch	316SS	passivated
2032SS	tab up latch & keeper	304SS	passivated

- see below for keeper (sold separately)

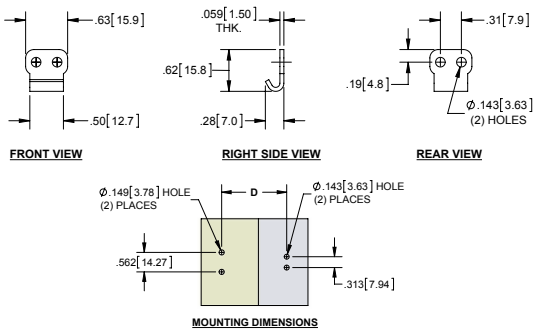


316SS Keepers

Part Number	Description	Material	Finish
2032SS-K	keeper	304SS	passivated
2032SS-K01	keeper	316SS	passivated

- see table for the distance that relates to the desired tension

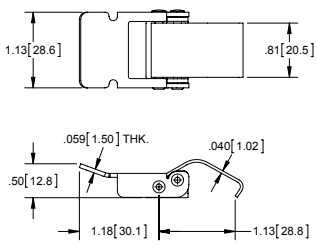
Desired Tension	D
30 lbs.	1.813 [46.05]
50 lbs.	1.875 [47.63]
70 lbs.	1.938 [49.23]



Over Center Latch

Part Number	Material	Finish
2175	steel	zinc plated

- no mounting holes, welded in place



Over Center Latch Kit

Part Number	Description	Material	Finish	Padlocking
2176	latch	steel	clear zinc	no
2176-01	latch	steel	clear zinc	yes
2177	mounting plate	steel	mill	no
2177-01	mounting plate	steel	mill	yes

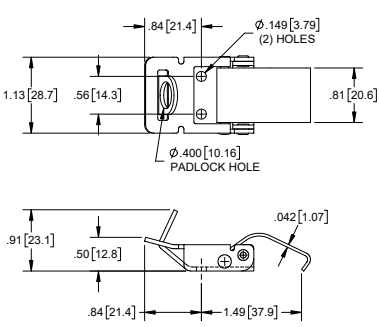
- parts sold separately
- part no. **2177** has no holes and must be welded in place
- part no. **2177-01** may be screwed or welded in place

same dimensions as
part no. **2178** shown below

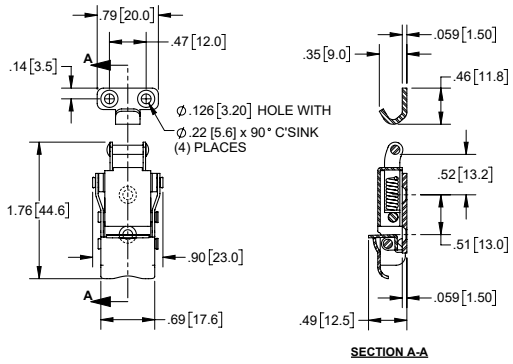
same dimensions as
part no. **2175** shown above

Over Center Latch with Padlock Eye

Part Number	Material	Finish
2178ZN	steel	zinc plated
2178SS	304SS	passivated



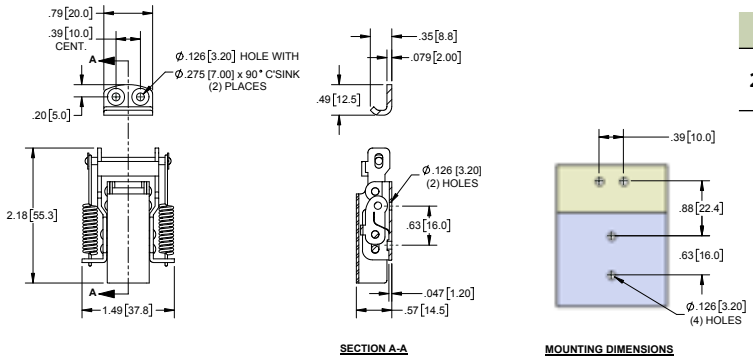
Small Tension Latch



Part Number	Material	Finish
2059SS	304SS	barrel polished

Tension Draw Latches

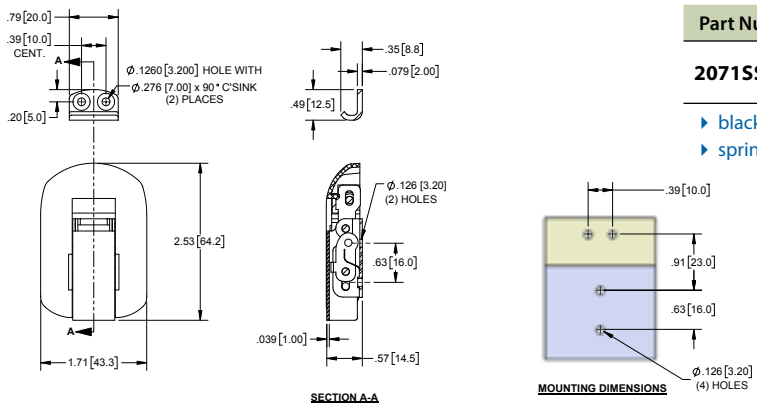
Latch without Plastic Cover



Part Number	Material	Finish
2070SS	304SS	barrel polished

- spring loaded

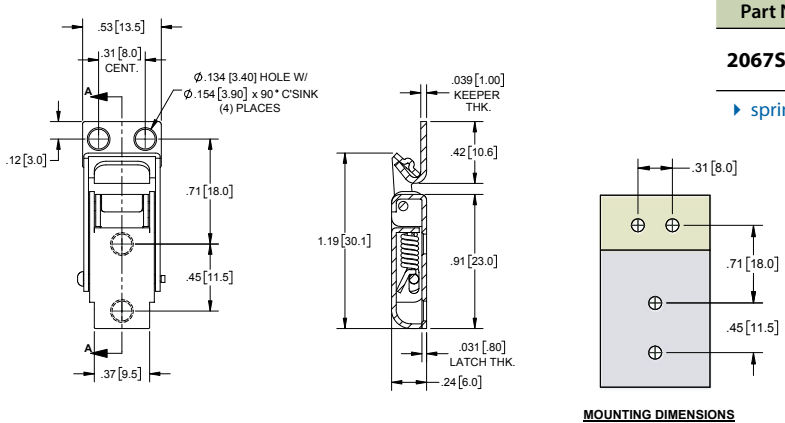
Latch with Plastic Cover



Part Number	Material	Finish
2071SS	304SS	barrel polished

- black PC cover
- spring loaded

Tension Draw Latch



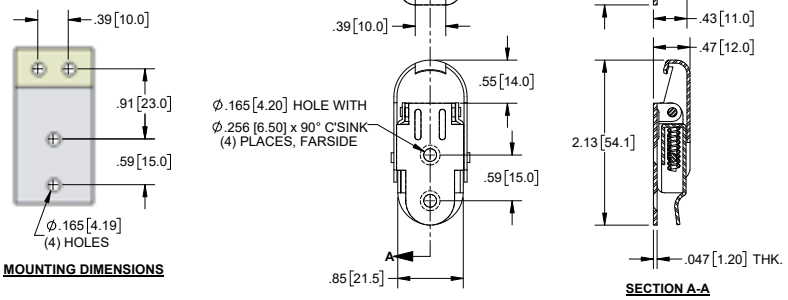
Part Number	Material	Finish
2067SS	304SS	barrel polished

- spring loaded

Spring Loaded Draw Pull Latch

Part Number	Material	Finish
2074N	steel	nickel plated

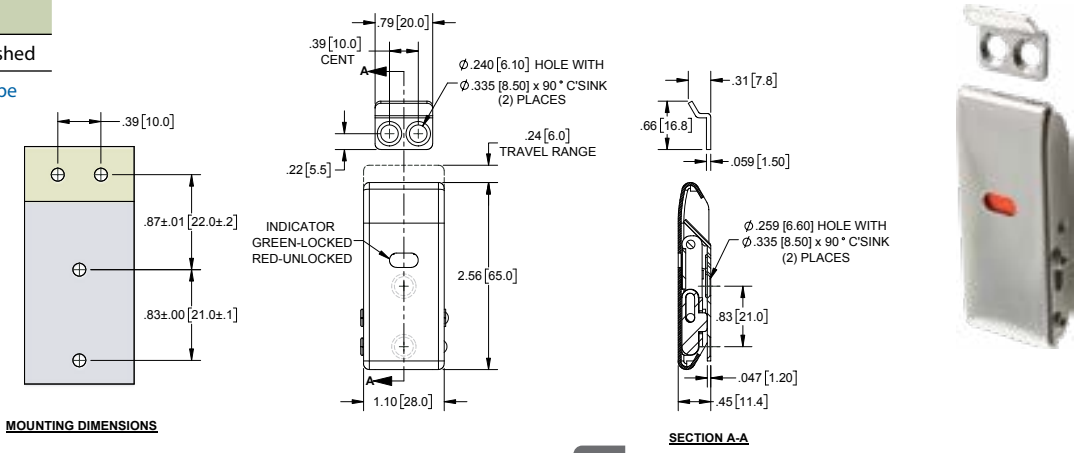
- spring loaded lever



Spring Loaded Pull Down Latch

Part No.	Material	Finish
2069SS	304SS	barrel polished

- latched or unlatched condition can be verified with built-in indicator
  - red indicates unlatched
    green indicates latched
- spring loaded

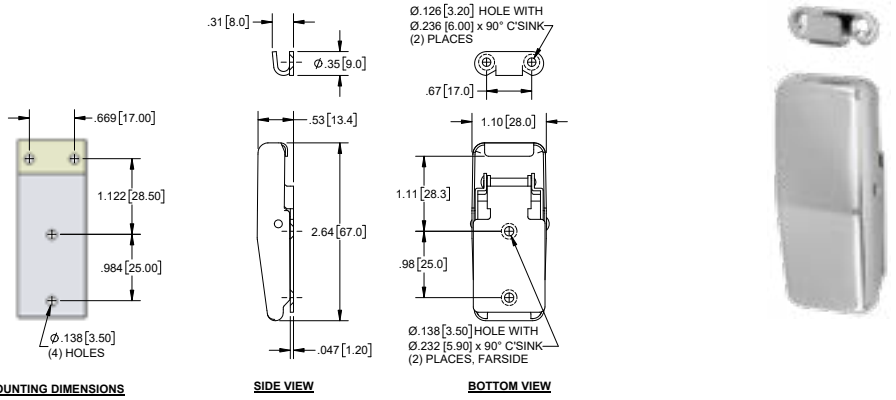


316SS

Spring Loaded Pull Down Latch

Part No.	Description	Material	Finish
233SS	latch and keeper	316SS	barrel polished

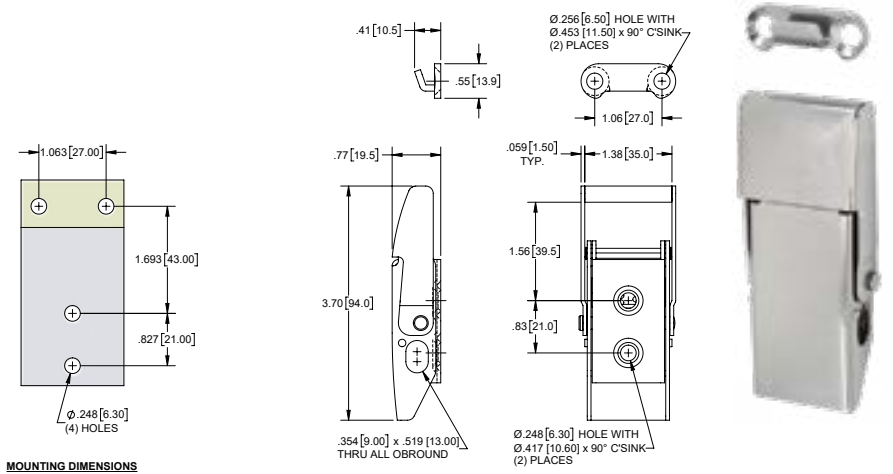
- concealed keeper
- spring loaded



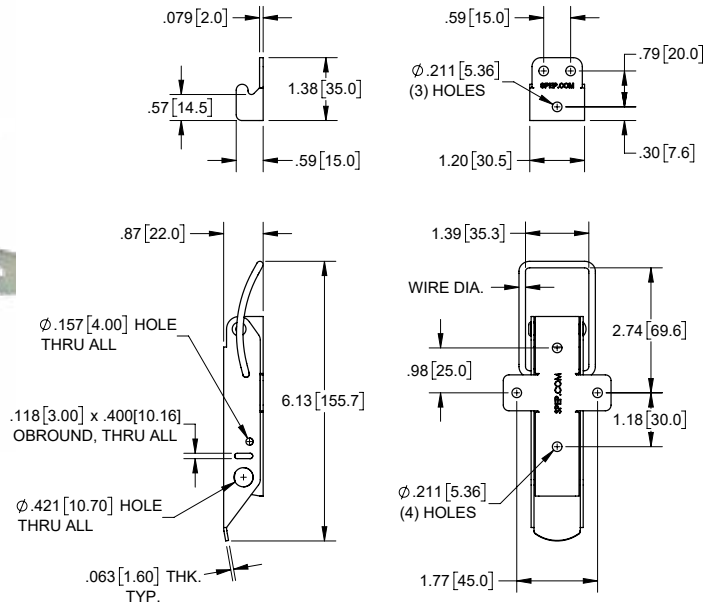
Spring Loaded Pull Down Latch

Part No.	Description	Material	Finish
246SS	latch and keeper	304SS	barrel polished

- concealed keeper
- spring loaded
- a padlock of up to 5/16" may be used



Pull Down Latches with Spring Loop Wire Bail



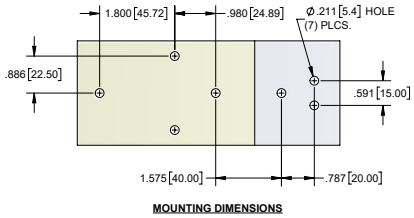
Latches

Part Number	Wire Dia.	Mounting Holes	Material	Finish
2139ZN-L	Ø.143 [3.63]	yes	steel	zinc plated
2139ZN-L10	Ø.197 [5.00]	yes	steel	zinc plated

- may be sealed by wire to prevent unlatching
- accepts 3/8" padlock

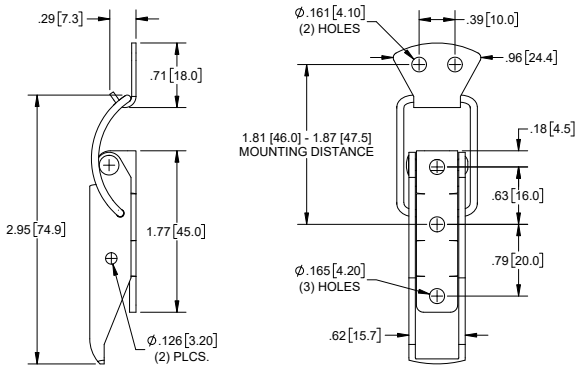
Keeper

Part Number	Mounting Holes	Material	Finish
2139ZN-S	yes	steel	zinc plated



MOUNTING DIMENSIONS

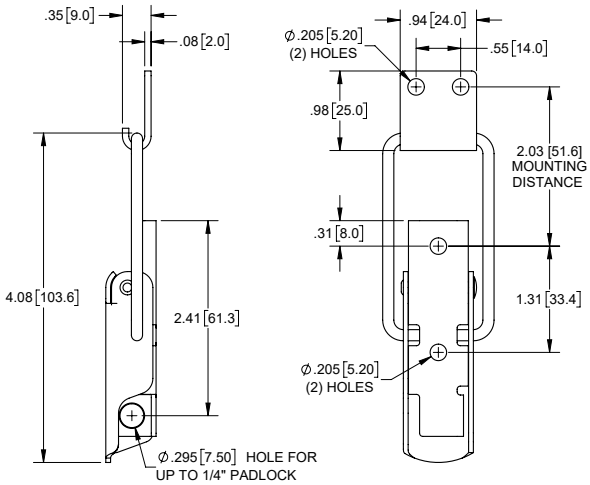
Draw Pull Latch with Keeper



Part Number	Material	Finish
2062SS	304SS	polished

- may be sealed by wire to prevent unlatching

Draw Pull Latch with Padlocking Option



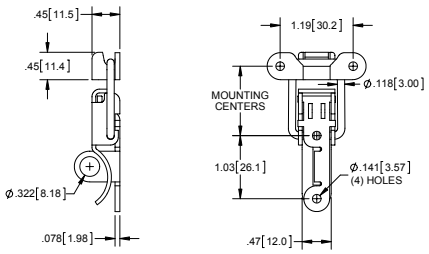
Part Number	Material	Finish
2063SS	304SS	tumbled

- working load: 170lbs.
- accepts up to 1/4" padlock

Download 3D MODELS @ www.spep.com

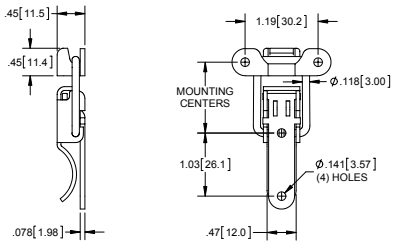
Pull Down Latch with Padlock Eye and Keeper

Part Number	Padlock Hasp	Mounting Holes	Material	Finish	Mounting Centers
205S1	yes	yes	steel	mill	1.13 [28.7]
205S2	yes	no	steel	mill	welded
205ZN1	yes	yes	steel	zinc	1.13 [28.7]
205SS1	yes	yes	304SS	tumbled	1.20 [30.5]
205BK1	yes	yes	steel	black oxide	1.13 [28.7]



Pull Down Latch and Keeper

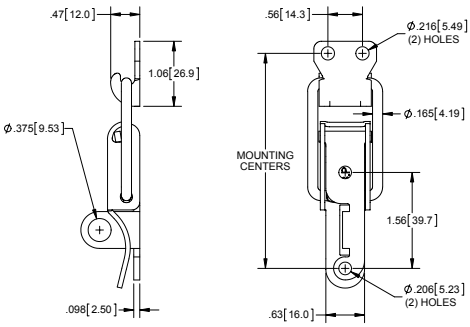
Part Number	Padlock Hasp	Mounting Holes	Material	Finish	Mounting Centers
206S1	no	yes	steel	mill	1.13 [28.7]
206S2	no	no	steel	mill	welded
206ZN1	no	yes	steel	zinc	1.13 [28.7]
206SS1	no	yes	304SS	tumbled	1.13 [28.7]



Pull Down Latch with Padlock Eye and Keeper

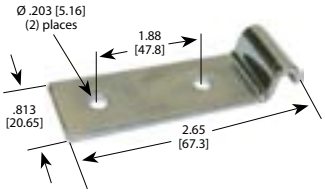
Part Number	Padlock Hasp	Mounting Holes	Material	Finish	Mounting Centers
207S1	yes	yes	steel	mill	3.50 [88.9]
207S2	yes	no	steel	mill	3.50 [88.9]
207ZN1	yes	yes	steel	zinc plated	3.50 [88.9]
207SS1	yes	yes	304SS	electropolished	3.54 [89.9]
207ZN2	yes	no	steel	zinc plated	3.50 [88.9]
207BK1	yes	yes	steel	black oxide	3.50 [88.9]

- latch and keeper can be ordered separately for part number **207SS1** (catch part no. **207SSC**, keeper part no. **207SSS**)
- latch and keeper can be ordered separately for part number **207ZN1** (catch part no. **207ZNC**, keeper part no. **207ZNS**)



Optional 90° Keeper

part no. **20711** (zinc)



Pull Down Latch and Keeper

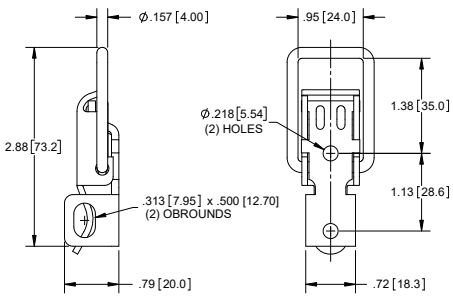
Part Number	Padlock Hasp	Mounting Holes	Material	Finish	Mounting Centers
208S1	no	yes	steel	mill	3.50 [88.9]
208S2	no	no	steel	mill	3.50 [88.9]
208ZN1	no	yes	steel	zinc plated	3.50 [88.9]

- **NOTE:** overall dimensions are the same as 207 series

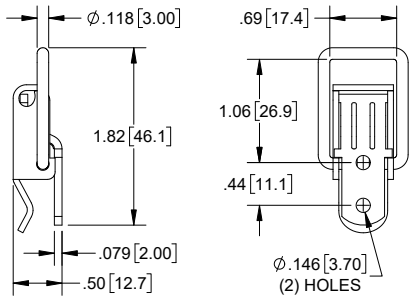
Pull Down Latch with Dual Padlocking Eyes

Part Number	Padlock Hasp	Mounting Holes	Material	Finish
202ZN1	yes	yes	steel	zinc plated

- may be used with **207ZNS** keeper



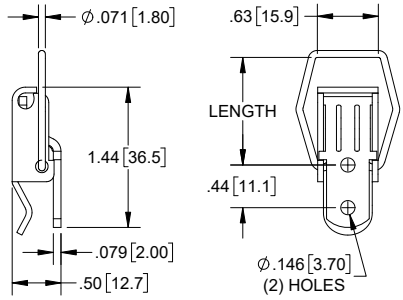
Small Pull Down Latch with Straight Loop Wire Bail



Part Number	Mounting Holes	Material	Finish
2043ZN	yes	steel	blue zinc plated
2043ZN-02	no	steel	blue zinc plated
2043SS	yes	304SS	tumbled
2043SS-02	no	304SS	tumbled

see pg. 169 for keeper (sold separately)

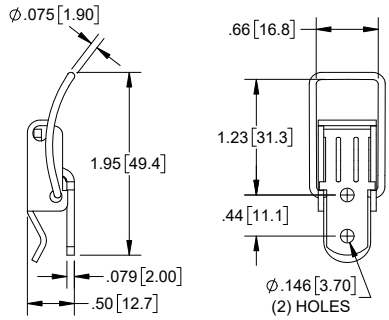
Small Pull Down Latch with Short Hexagonal Loop Wire Bail



Part Number	Mounting Holes	Length	Material	Finish
2044ZN	yes	1.10 [27.9]	steel	blue zinc plated
2044ZN-01	yes	.88 [22.2]	steel	blue zinc plated
2044ZN-02	no	.88 [22.2]	steel	blue zinc plated
2044SS	yes	1.10 [27.9]	304SS	tumbled
2044SS-01	yes	.88 [22.2]	304SS	tumbled
2044SS-02	no	.88 [22.2]	304SS	tumbled

see pg. 169 for keeper (sold separately)

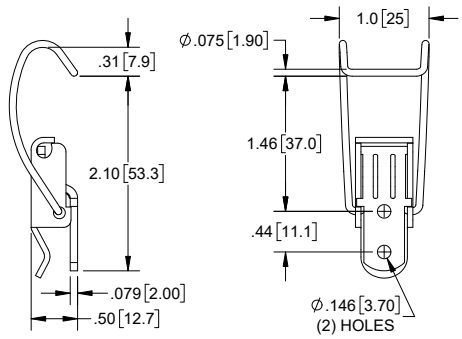
Small Pull Down Latch with Spring Loop Wire Bail



Part Number	Mounting Holes	Material	Finish
2047ZN	yes	steel	blue zinc plated
2047SS	yes	304SS	tumbled

see pg. 169 for keeper (sold separately)

Small Pull Down Latch with Spring Hook Loop Wire Bail



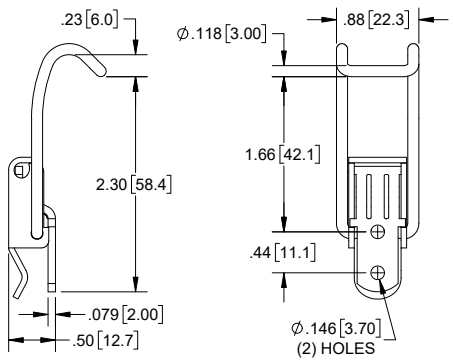
Part Number	Mounting Holes	Material	Finish
2046ZN	yes	steel	blue zinc plated
2046SS	yes	304SS	tumbled

can be used with or without keeper on pg. 169 (sold separately)

Small Pull Down Latch with Hook Loop Wire Bail

Part Number	Mounting Holes	Material	Finish
2048ZN	yes	steel	blue zinc plated
2048SS	yes	304SS	tumbled

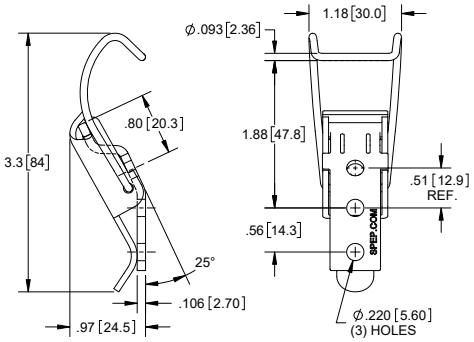
- can be used with or without keeper below (sold separately)



Pull Down Latch with Spring Hook Loop Wire Bail

Part Number	Mounting Holes	Material	Finish
2052ZN	yes	steel	zinc plated

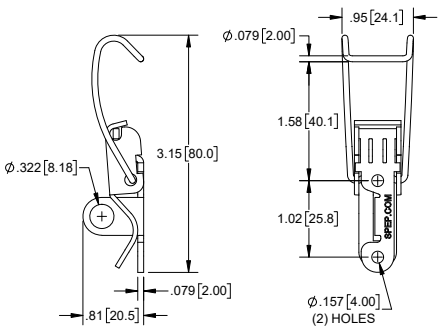
- can be used with or without keeper below (sold separately)



Small Pull Down Latch with Padlock Eye and Hook Loop Wire Bail

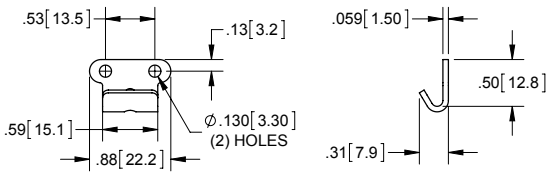
Part Number	Mounting Holes	Material	Finish
2049ZN	yes	steel	blue zinc plated
2049SS	yes	304SS	tumbled

- can be used with or without keeper below (sold separately)

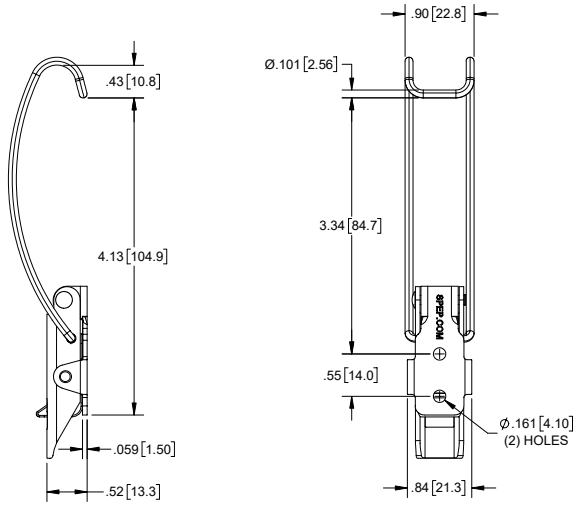


Small Pull Down Latch Keeper

Part Number	Mounting Holes	Material	Finish
204ZN-K	yes	steel	blue zinc plated
204SS-K	yes	304SS	tumbled



Small Pull Down Latch with Long Spring Curved Hook Bail



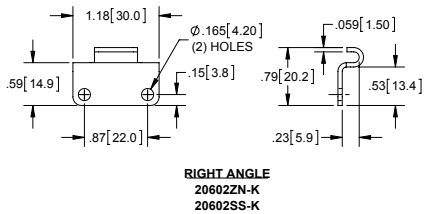
Part Number	Material	Finish
20614SS-L	304SS	passivated

- secondary catch safety feature
- wire sealing option

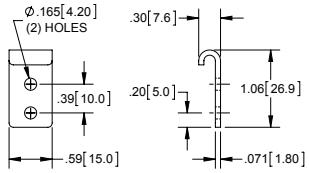
Small Keepers

Part Number	Type	Material	Finish
2060ZN-K	small	steel	zinc plated
2060SS-K	small	304SS	passivated
20601ZN-K	narrow	steel	zinc plated
20601SS-K	narrow	304SS	passivated
20602ZN-K	right angle	steel	zinc plated
20602SS-K	right angle	304SS	passivated
20603ZN-K	large	steel	zinc plated
20603SS-K	large	304SS	passivated
20604ZN-K	medium	steel	zinc plated
20604SS-K	medium	304SS	passivated

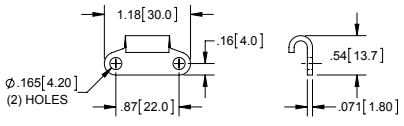
see pg. 171 for keeper options



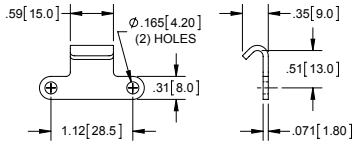
RIGHT ANGLE
20602ZN-K
20602SS-K



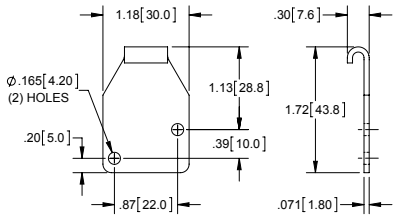
NARROW
20601ZN-K
20601SS-K



SMALL
2060ZN-K
2060SS-K



MEDIUM
20604ZN-K
20604SS-K

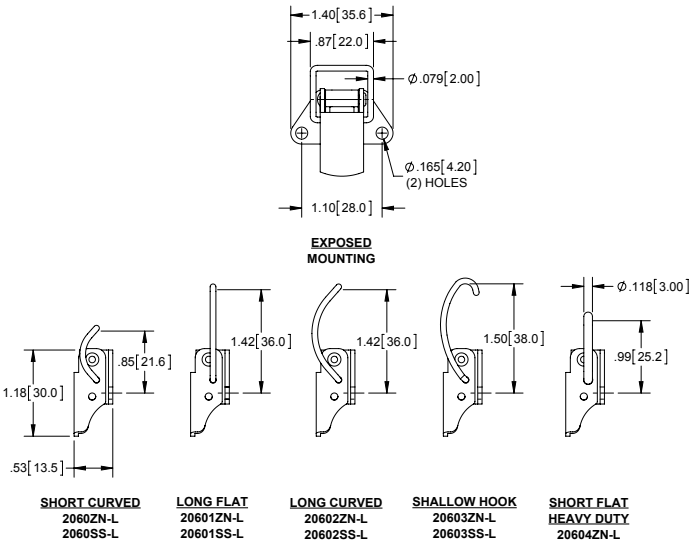


LARGE
20603ZN-K
20603SS-K

Small Pull Down Latch with Exposed Mounting Holes

Part Number	Wire Bail	Material	Finish
2060ZN-L	short curved wire	steel	zinc plated
2060SS-L	short curved wire	304SS	passivated
20601ZN-L	long flat wire	steel	zinc plated
20601SS-L	long flat wire	304SS	passivated
20602ZN-L	long curved wire	steel	zinc plated
20602SS-L	long curved wire	304SS	passivated
20603ZN-L	shallow hook wire	steel	zinc plated
20603SS-L	shallow hook wire	304SS	passivated
20604ZN-L	short flat heavy-duty wire	steel	zinc plated

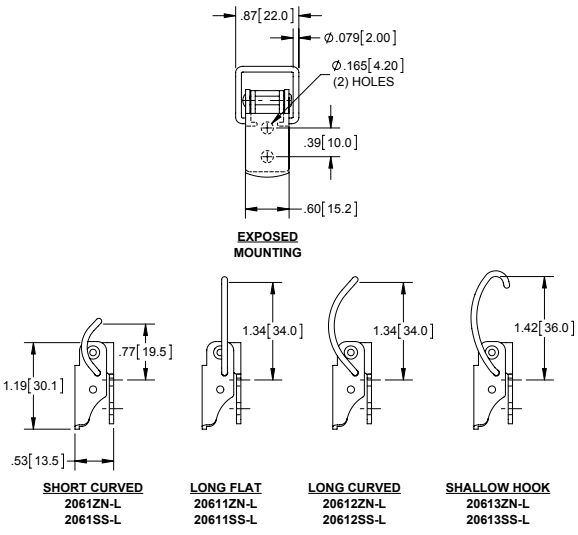
see pg. 170 for keeper options



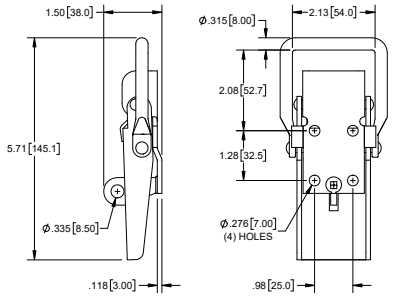
Small Pull Down Latch with Concealed Mounting Holes

Part Number	Wire Bail	Material	Finish
2061ZN-L	short curved wire	steel	zinc plated
2061SS-L	short curved wire	304SS	passivated
20611ZN-L	long flat wire	steel	zinc plated
20611SS-L	long flat wire	304SS	passivated
20612ZN-L	long curved wire	steel	zinc plated
20612SS-L	long curved wire	304SS	passivated
20613ZN-L	shallow hook wire	steel	zinc plated
20613SS-L	shallow hook wire	304SS	passivated

see pg. 170 for keeper options



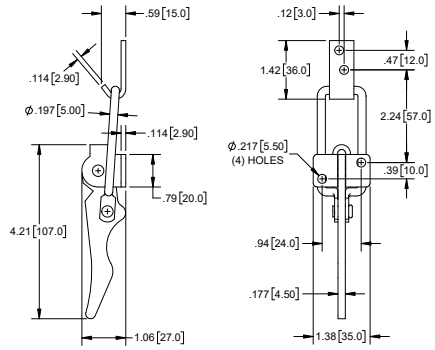
Draw Pull Latch with Padlock Hole



Part Number	Material	Finish
2133ZN-L	steel	zinc plated
2133BK-L	steel	black e-coat

- accepts up to 5/16" padlock
- keeper available separately as part no. **2076ZN-K** on page 187 (zinc plated finish only)

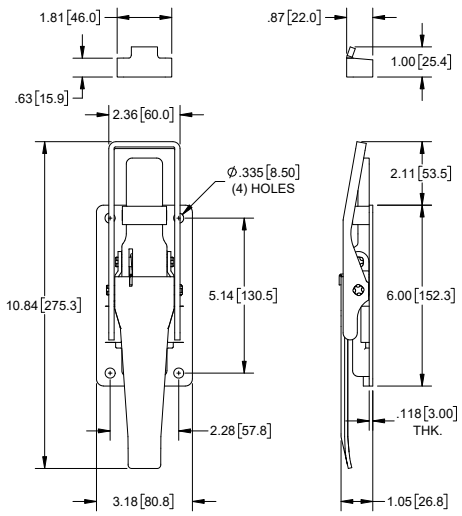
Lever Draw Pull Latch



Part Number	Material	Finish
2073ZN	steel	zinc plated

- working load: 110 lbs.

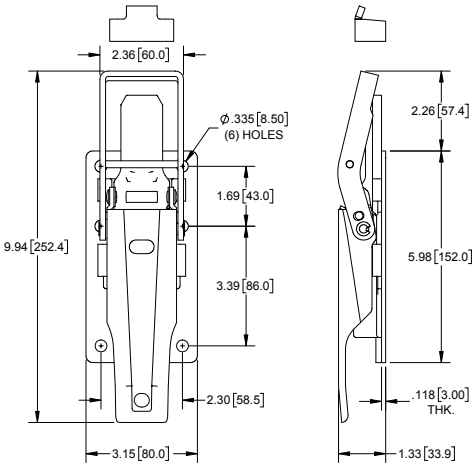
Heavy Duty Spring Loaded Draw Pull Latch with Cast Steel Bolt



Part Number	Material	Finish
2136ZN	steel	zinc plated

- weldable keeper

Heavy Duty Spring Loaded Draw Pull Latch with Cast Steel Bolt



Part Number	Material	Finish
2134ZN	steel	zinc plated

Heavy Duty Toggle Latch

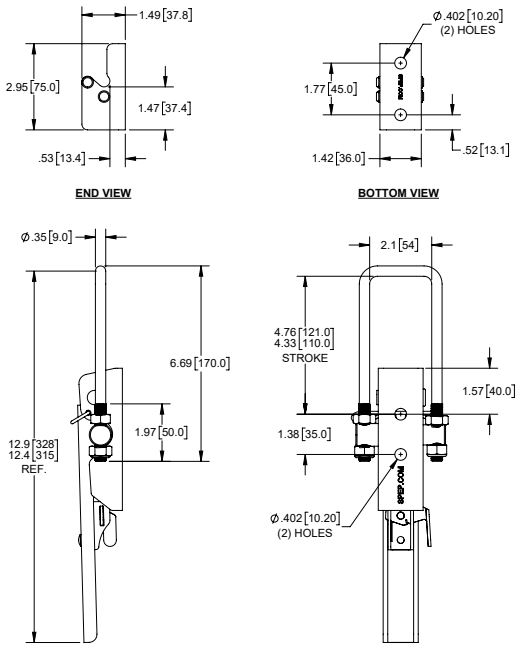
Latch

Part No.	Material	Finish
2077ZN-L	steel	zinc plated

- keeper available separately
- max working load: 7500 LBS
- ultimate load: 15000 LBS

Keeper

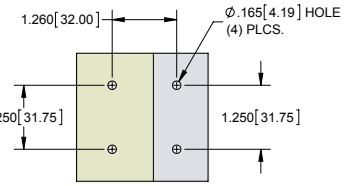
Part No.	Material	Finish
2077ZN-K	steel	zinc plated



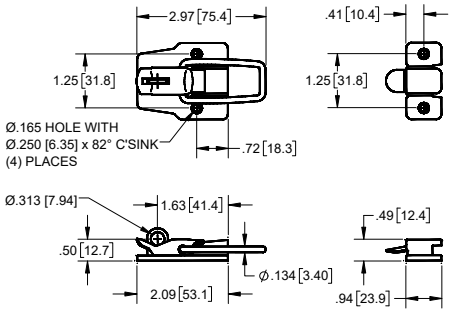
Stamped Padlocking Over Center Latch

Part No.	Material	Finish
2045	steel	nickel plated

- spring loaded lever snaps to the open or closed position



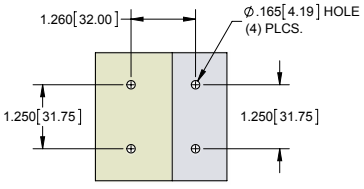
MOUNTING DIMENSIONS



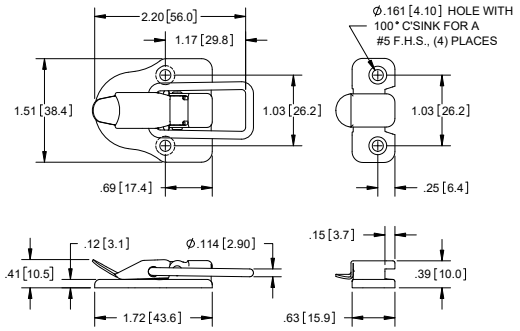
Stamped Over Center Latch

Part No.	Material	Finish
2051	steel	nickel plated

- spring loaded lever snaps to the open or closed position



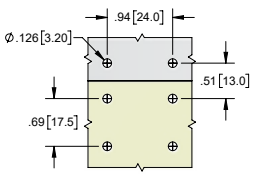
MOUNTING DIMENSIONS



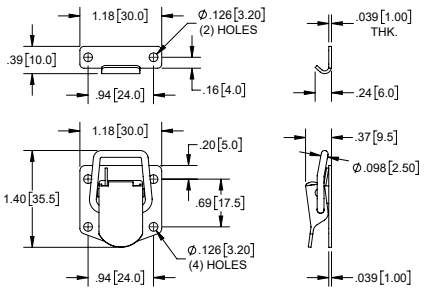
Draw Pull Latch with Spring Loaded Lever

Part No.	Material	Finish
2072NP	steel	nickel plated

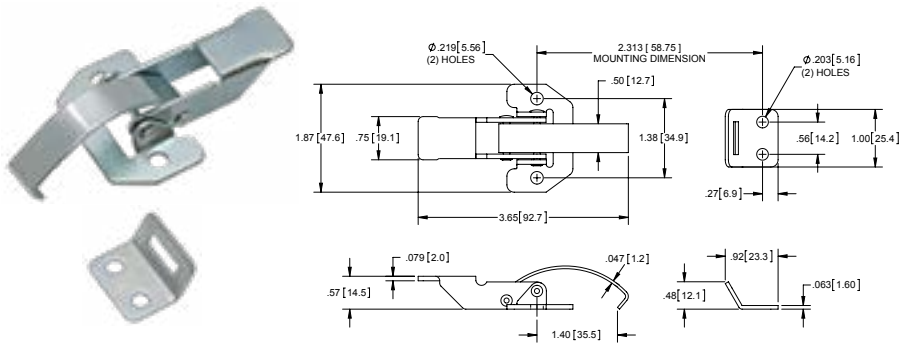
- spring loaded lever



MOUNTING DIMENSIONS



Over Center Latch



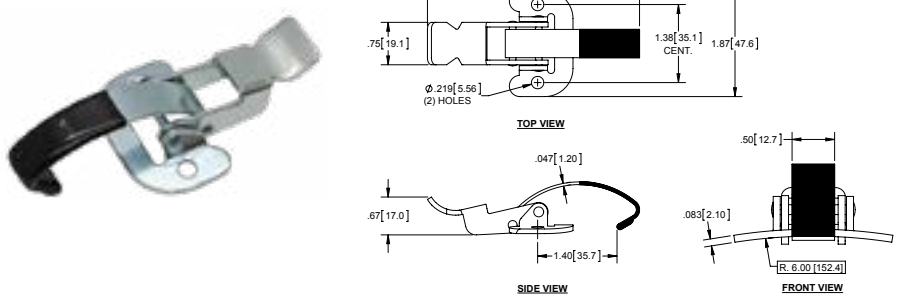
Latch

Part Number	Description	Material	Finish
213	latch	steel	zinc plated

Keeper

Part Number	Description	Material	Finish
2131	keeper	steel	zinc plated

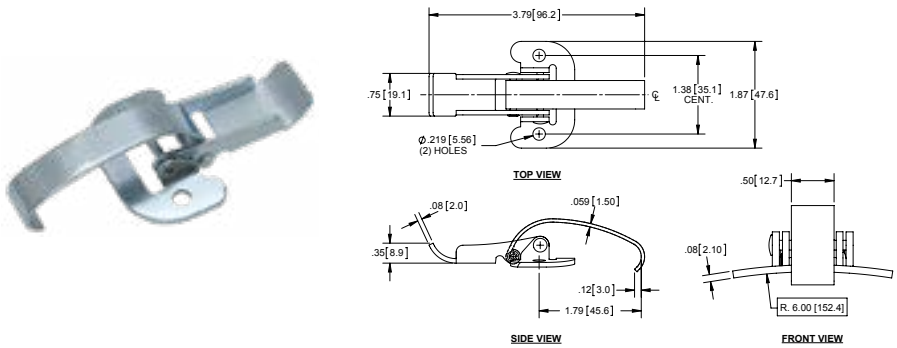
Over Center Latch with a Radial Base



Part Number	Material	Finish	PVC Coating
214	steel	zinc plated	yes
214-01	steel	zinc plated	no

- ideal for cylindrical containers

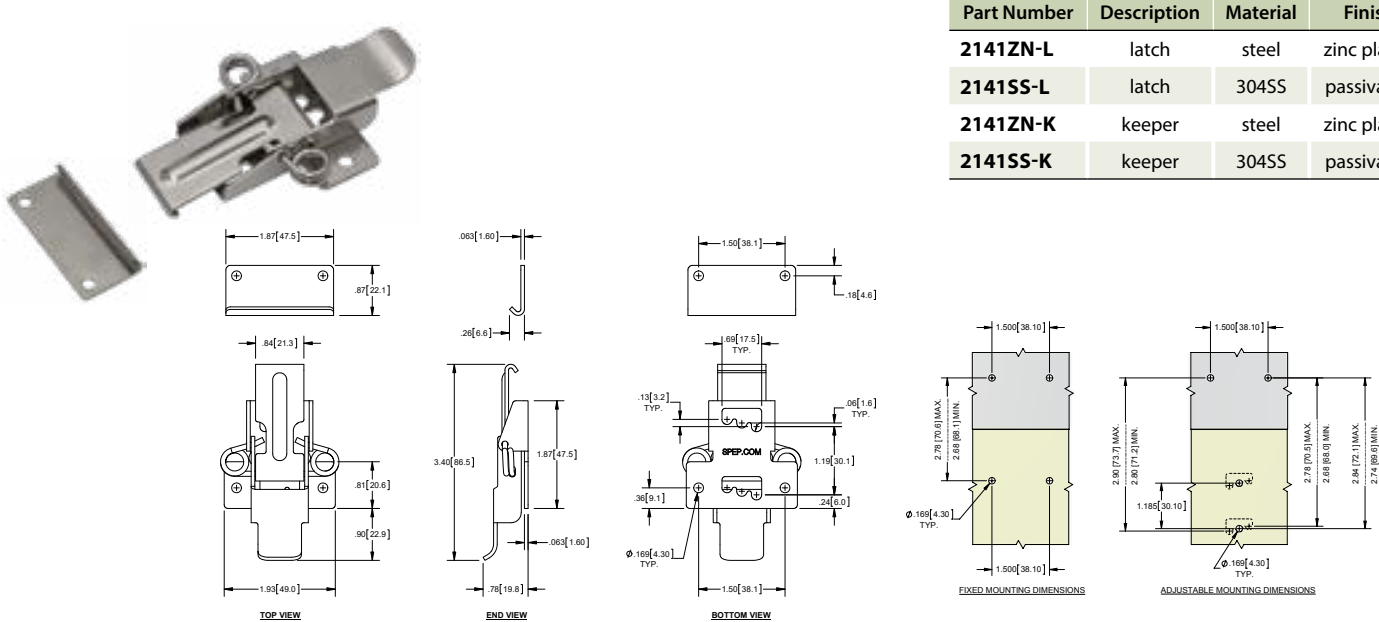
Over Center Latch with a Radial Base



Part Number	Description	Material	Finish
214-02	latch	steel	zinc plated

- latch has reversed lever
- ideal for cylindrical containers

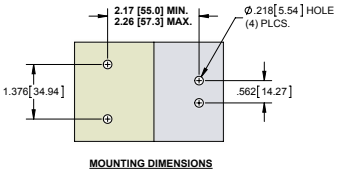
Large Compression Pull Down Catch with Holes for Fixed or Adjustable Mounting

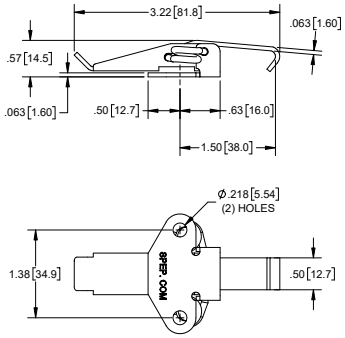


1.50" Spring Loaded Over Center Latches

Part Number	Description	Material	Finish
2142ZN-L	latch	steel	zinc plated
2142SS-L	latch	304SS	passivated

- latch and keeper surfaces must be on the same plane
- springs are to compensate for misalignment

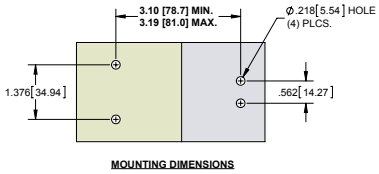


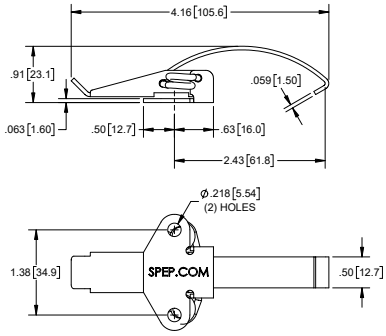


2.50" Spring Loaded Over Center Latch

Part Number	Description	Material	Finish
2144ZN-L	latch	steel	zinc plated

- latch and keeper surfaces must be on the same plane
- springs are to compensate for misalignment

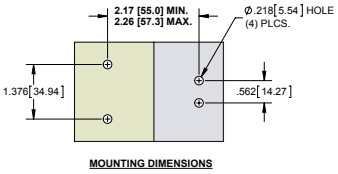


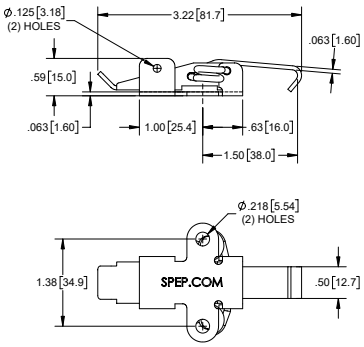


1.50" Wire Sealing Spring Loaded Over Center Latches

Part Number	Description	Material	Finish
2146ZN-L	latch	steel	zinc plated
2146SS-L	latch	304SS	passivated

- latch and keeper surfaces must be on the same plane
- springs are to compensate for misalignment

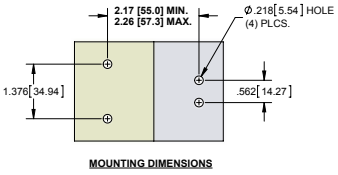


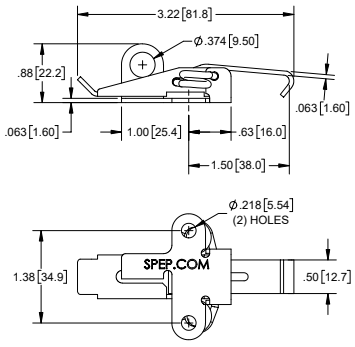


1.50" Padlocking Spring Loaded Over Center Latches

Part Number	Description	Material	Finish
2148ZN-L	latch	steel	zinc plated
2148SS-L	latch	304SS	passivated

- latch and keeper surfaces must be on the same plane
- springs are to compensate for misalignment

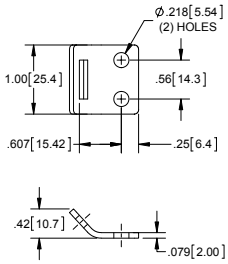




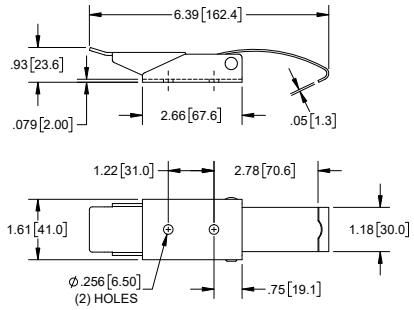
Keepers

Part Number	Description	Material	Finish
2142ZN-K	keeper	steel	zinc plated
2142SS-K	keeper	304SS	passivated

- used with latches on this page (sold separately)



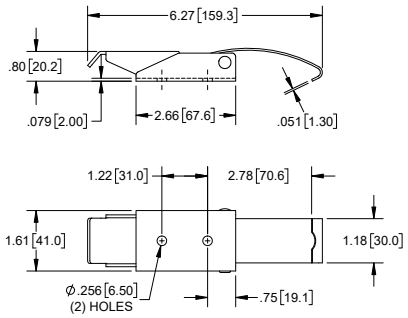
Extra Large Over Center Latch with Tab Up Lever



Part Number	Material	Finish
215-150ZN	steel	zinc plated

- latch and keeper surfaces must be on the same plane
- see keeper options below (sold separately)

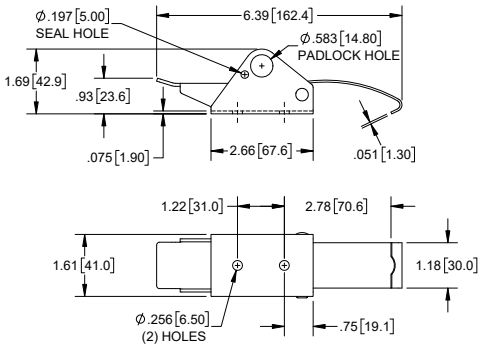
Extra Large Over Center Latch with Tab Down Lever



Part Number	Material	Finish
215-250ZN	steel	zinc plated

- latch and keeper surfaces must be on the same plane
- see keeper options below (sold separately)

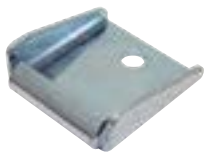
Extra Large Over Center Latch with Padlock Hole

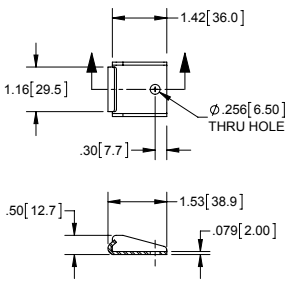


Part Number	Material	Finish
215-350ZN	steel	zinc plated

- latch and keeper surfaces must be on the same plane
- see keeper options below (sold separately)

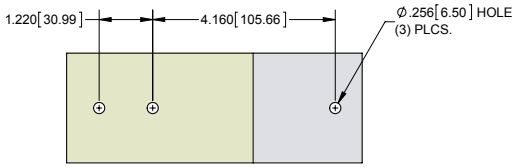
Extra Large Keeper with (1) Hole





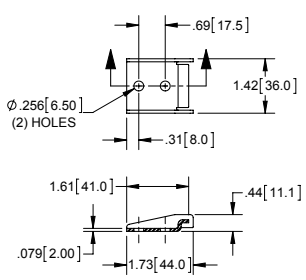
Part Number	Material	Finish
215-K33ZN	steel	zinc plated

- for use with extra large latches on this page (sold separately)



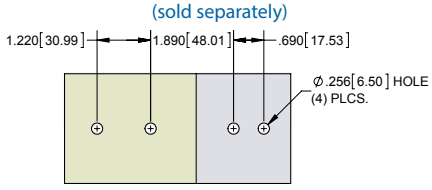
MOUNTING DIMENSIONS

Extra Large Keeper with (2) Holes



Part Number	Material	Finish
215-K34ZN	steel	zinc plated

- for use with extra large latches on this page (sold separately)

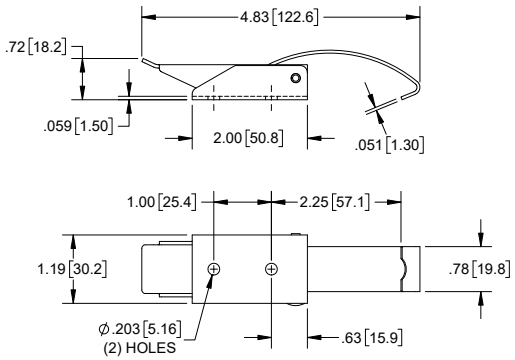


MOUNTING DIMENSIONS

Large Over Center Latches

Part Number	Material	Finish
215-140ZN	steel	zinc plated
215-140SS	304SS	electropolished
215-140BK	steel	black matte

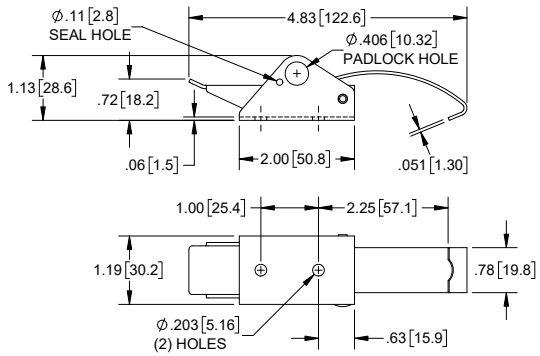
- latch and keeper surfaces must be on the same plane
- see keeper options below (sold separately)



Large Over Center Latches with Padlock Hole

Part Number	Material	Finish
215-340ZN	steel	zinc plated
215-340SS	304SS	electropolished
215-340BK	steel	black matte

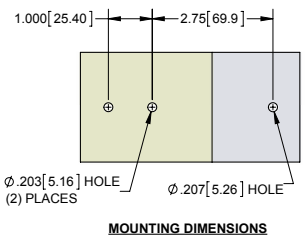
- latch and keeper surfaces must be on the same plane
- see keeper options below (sold separately)

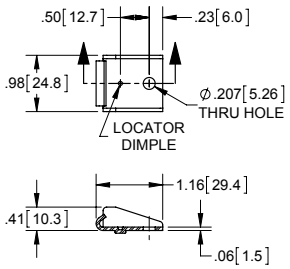


Keepers with (1) Hole and Locator Dimple

Part Number	Material	Finish
215-K21ZN	steel	zinc plated
215-K21SS	304SS	electropolished
215-K21BK	steel	black matte

- use with large latches on this pg. (sold separately)

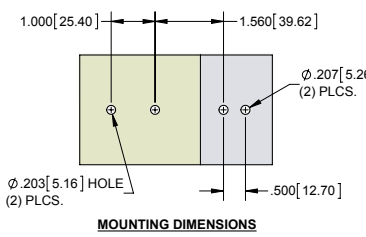


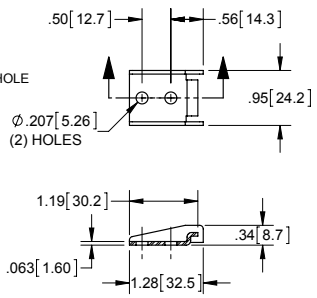


Keepers with (2) Holes

Part Number	Material	Finish
215-K24ZN	steel	zinc plated
215-K24SS	304SS	electropolished
215-K24BK	steel	black matte

- use with large latches on this pg. (sold separately)

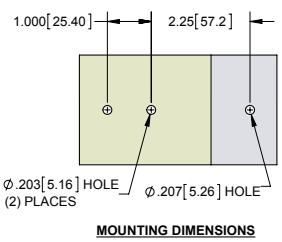


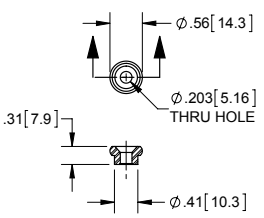


Button Keepers

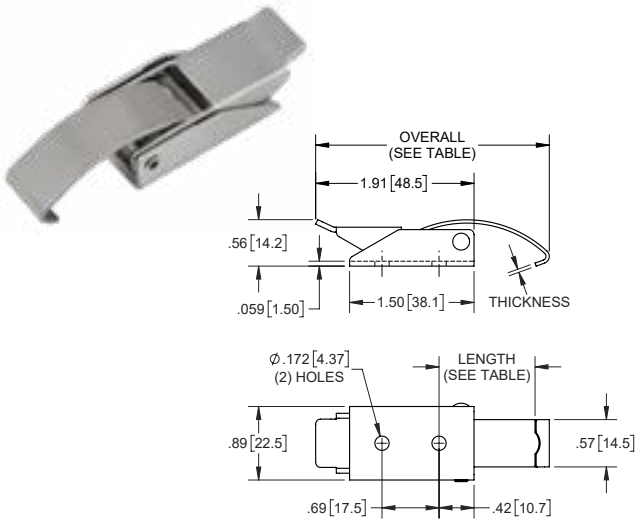
Part Number	Material	Finish
215-K28ZN	steel	zinc plated
215-K28SS	304SS	electropolished
215-K28BK	steel	black matte

- use with large latches on this pg. (sold separately)





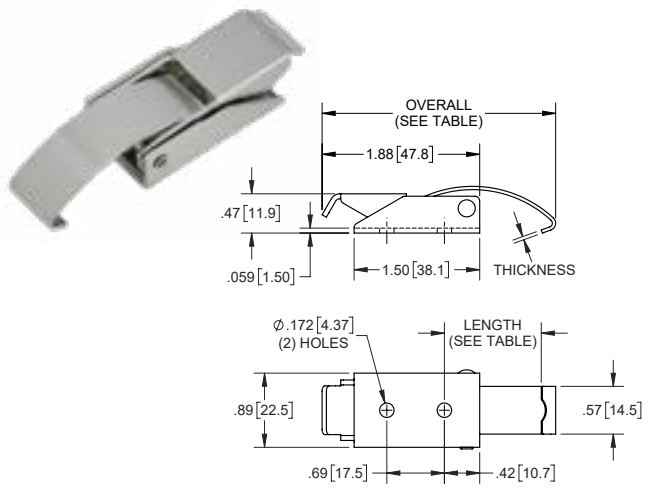
Medium Over Center Latches with Tab Up Lever



Part Number	Overall	Length	Thickness	Material	Finish
215-105ZN	2.82 [71.6]	1.16 [29.5]	.04 [1.0]	steel	zinc plated
215-105SS	2.82 [71.6]	1.16 [29.5]	.05 [1.3]	stainless steel	electropolished
215-105BK	2.82 [71.6]	1.16 [29.5]	.04 [1.0]	steel	black matte
215-120ZN	2.82 [71.6]	1.16 [29.5]	.06 [1.5]	steel	zinc plated
215-120SS	2.82 [71.6]	1.16 [29.5]	.06 [1.5]	stainless steel	electropolished
215-120BK	2.82 [71.6]	1.16 [29.5]	.06 [1.5]	steel	black matte
215-110ZN	3.32 [84.3]	1.66 [42.2]	.04 [1.0]	steel	zinc plated
215-110SS	3.32 [84.3]	1.66 [42.2]	.05 [1.3]	stainless steel	electropolished
215-110BK	3.32 [84.3]	1.66 [42.2]	.04 [1.0]	steel	black matte
215-125ZN	3.32 [84.3]	1.66 [42.2]	.06 [1.5]	steel	zinc plated
215-125BK	3.32 [84.3]	1.66 [42.2]	.06 [1.5]	steel	black matte
215-115SS	3.82 [97.0]	2.16 [54.9]	.05 [1.3]	stainless steel	electropolished
215-130ZN	3.82 [97.0]	2.16 [54.9]	.06 [1.5]	steel	zinc plated
215-130BK	3.82 [97.0]	2.16 [54.9]	.06 [1.5]	steel	black matte

- latch and keeper must be on the same plane
- keeper options on page 179

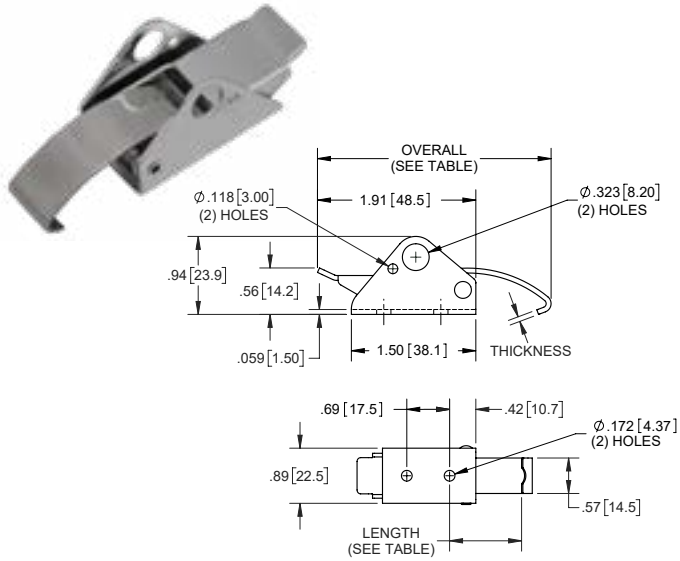
Medium Over Center Latches with Tab Down Lever



Part Number	Overall	Length	Thickness	Material	Finish
215-205ZN	2.79 [70.8]	1.16 [29.5]	.04 [1.0]	steel	zinc plated
215-205SS	2.79 [70.8]	1.16 [29.5]	.05 [1.3]	stainless steel	electropolished
215-205BK	2.79 [70.8]	1.16 [29.5]	.04 [1.0]	steel	black matte
215-220ZN	2.79 [70.8]	1.16 [29.5]	.06 [1.5]	steel	zinc plated
215-220BK	2.79 [70.8]	1.16 [29.5]	.06 [1.5]	steel	black matte
215-210ZN	3.29 [83.5]	1.66 [42.2]	.04 [1.0]	steel	zinc plated
215-210SS	3.29 [83.5]	1.66 [42.2]	.05 [1.3]	stainless steel	electropolished
215-210BK	3.29 [83.5]	1.66 [42.2]	.04 [1.0]	steel	black matte
215-225ZN	3.29 [83.5]	1.66 [42.2]	.06 [1.5]	steel	zinc plated
215-225BK	3.29 [83.5]	1.66 [42.2]	.06 [1.5]	steel	black matte
215-215SS	3.79 [96.2]	2.16 [54.9]	.05 [1.3]	stainless steel	electropolished
215-230ZN	3.79 [96.2]	2.16 [54.9]	.06 [1.5]	steel	zinc plated
215-230BK	3.79 [96.2]	2.16 [54.9]	.06 [1.5]	steel	black matte

- latch and keeper must be on the same plane
- keeper options on page 179

Medium Over Center Latches with Padlock Hole



Part Number	Overall	Length	Thickness	Material	Finish
215-305ZN	2.28 [71.6]	1.16 [29.5]	.04 [1.0]	steel	zinc plated
215-305SS	2.28 [71.6]	1.16 [29.5]	.05 [1.3]	stainless steel	electropolished
215-305BK	2.28 [71.6]	1.16 [29.5]	.04 [1.0]	steel	black matte
215-320BK	2.28 [71.6]	1.16 [29.5]	.06 [1.5]	steel	black matte
215-320ZN	2.28 [71.6]	1.16 [29.5]	.06 [1.5]	steel	zinc plated
215-310ZN	3.32 [84.3]	1.66 [42.2]	.04 [1.0]	steel	zinc plated
215-310SS	3.32 [84.3]	1.66 [42.2]	.05 [1.3]	stainless steel	electropolished
215-310BK	3.32 [84.3]	1.66 [42.2]	.04 [1.0]	steel	black matte
215-325ZN	3.32 [84.3]	1.66 [42.2]	.06 [1.5]	steel	zinc plated
215-325BK	3.32 [84.3]	1.66 [42.2]	.06 [1.5]	steel	black matte
215-315SS	3.82 [97.0]	2.16 [54.9]	.05 [1.3]	stainless steel	electropolished
215-330ZN	3.82 [97.0]	2.16 [54.9]	.06 [1.5]	steel	zinc plated
215-330BK	3.82 [97.0]	2.16 [54.9]	.06 [1.5]	steel	black matte

- latch and keeper must be on the same plane
- keeper options on page 179

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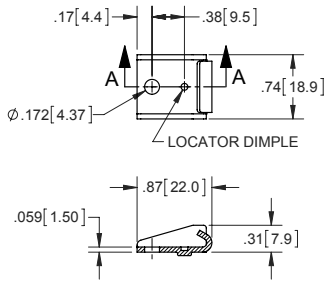
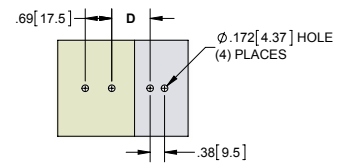
Keepers with (1) Hole and Locating Dimple

Part Number	Material	Finish
215-K01ZN	steel	zinc plated
215-K01SS	304SS	electropolished
215-K01BK	steel	black matte

▸ used with medium latches on page 178 (sold separately)





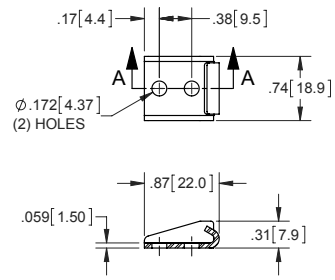
MOUNTING DIMENSIONS

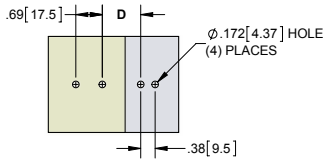
CATCH LENGTH	D
1.16 [29.5]	1.50 [38.1]
1.66 [42.2]	2.00 [50.8]
2.16 [54.9]	2.50 [63.5]

Keepers with (2) Holes

Part Number	Material	Finish
215-K02ZN	steel	zinc plated
215-K02SS	304SS	electropolished
215-K02BK	steel	black matte

▸ used with medium latches on page 178 (sold separately)





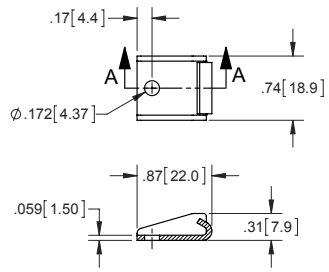
MOUNTING DIMENSIONS

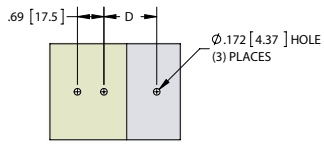
CATCH LENGTH	D
1.16 [29.5]	1.50 [38.1]
1.66 [42.2]	2.00 [50.8]
2.16 [54.9]	2.50 [63.5]

Keepers with (1) Hole

Part Number	Material	Finish
215-K03ZN	steel	zinc plated
215-K03SS	304SS	electropolished
215-K03BK	steel	black matte

▸ used with medium latches on page 178 (sold separately)





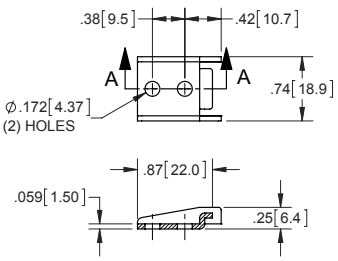
MOUNTING DIMENSIONS

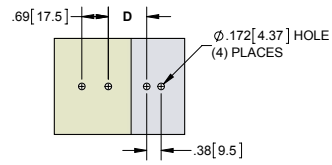
CATCH LENGTH	D
1.16 [29.5]	1.88 [47.6]
1.66 [42.2]	2.38 [60.3]
2.16 [54.9]	2.88 [73.0]

Keepers with (2) Holes

Part Number	Material	Finish
215-K04ZN	steel	zinc plated
215-K04SS	304SS	electropolished
215-K04BK	steel	black matte

▸ used with medium latches on page 178 (sold separately)





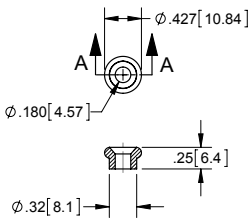
MOUNTING DIMENSIONS

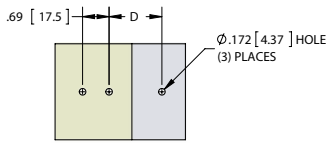
CATCH LENGTH	D
1.16 [29.5]	.63 [15.9]
1.66 [42.2]	1.13 [28.6]
2.16 [54.9]	1.63 [41.3]

Button Keepers

Part Number	Material	Finish
215-K08ZN	steel	zinc plated
215-K08SS	304SS	electropolished
215-K08BK	steel	black matte

▸ used with medium latches on page 178 (sold separately)





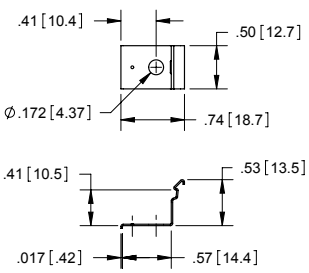
MOUNTING DIMENSIONS

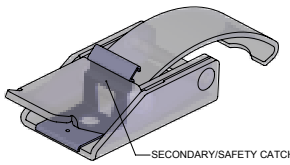
CATCH LENGTH	D
1.16 [29.5]	1.16 [29.4]
1.66 [42.2]	1.66 [42.1]
2.16 [54.9]	2.16 [54.8]

Secondary/Safety Latch

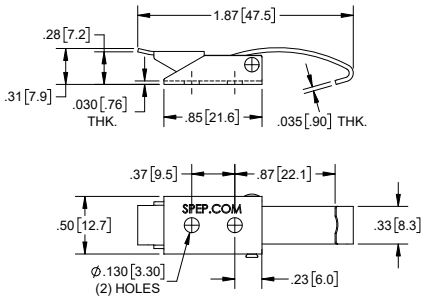
Part Number	Material	Finish
215-015ZN	spring steel	black e-coat
215-015SS	stainless steel	black e-coat

▸ used with medium latches on page 178 (sold separately)





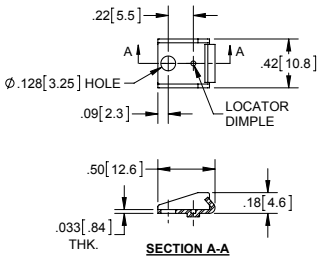
Small Over Center Latches

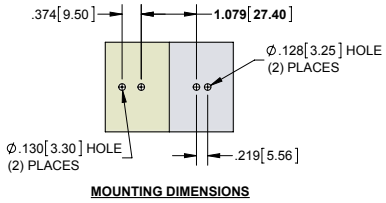


Part Number	Material	Finish
215-010ZN	steel	zinc plated
215-010SS	stainless steel	passivated

- latch and keeper surfaces must be on the same plane
- see below for keeper options

Keepers with (1) Hole and Locating Dimple

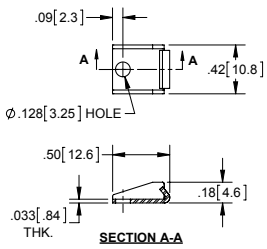


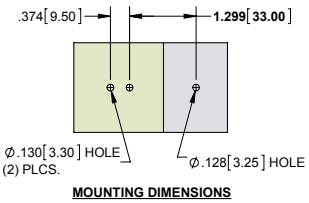


Part Number	Material	Finish
215-K10ZN	steel	zinc plated
215-K10SS	304SS	passivated

- used with small latches on this page (sold separately)

Keepers with (1) Hole

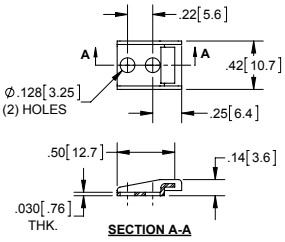


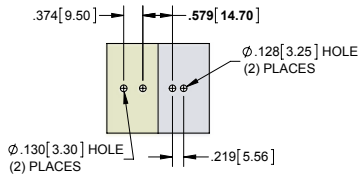


Part Number	Material	Finish
215-K13ZN	steel	zinc plated
215-K13SS	304SS	passivated

- used with small latches on this page (sold separately)

Keepers with (2) Holes

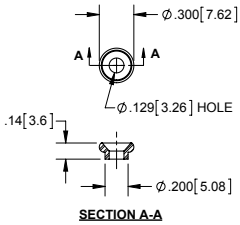


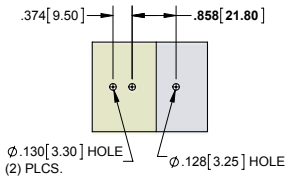


Part Number	Material	Finish
215-K14ZN	steel	zinc plated
215-K14SS	304SS	passivated

- used with small latches on this page (sold separately)

Button Keepers





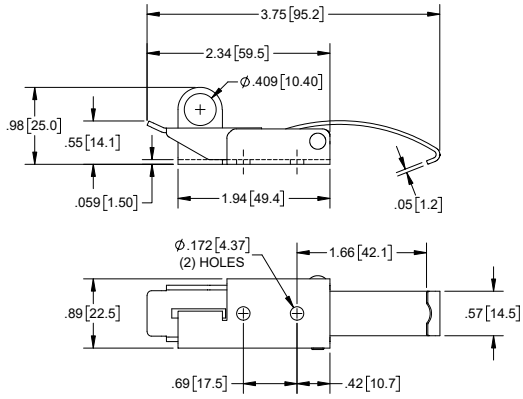
Part Number	Material	Finish
215-K18ZN	steel	zinc plated
215-K18SS	304SS	passivated

- used with small latches on this page (sold separately)

Padlockable Medium Over Center Latch

Part Number	Length	Thickness	Material	Finish
215-310SS05	1.66 [42.1]	.05 [1.3]	304SS	electropolished

- latch and keeper must be on the same plane
- see page 179 for keeper

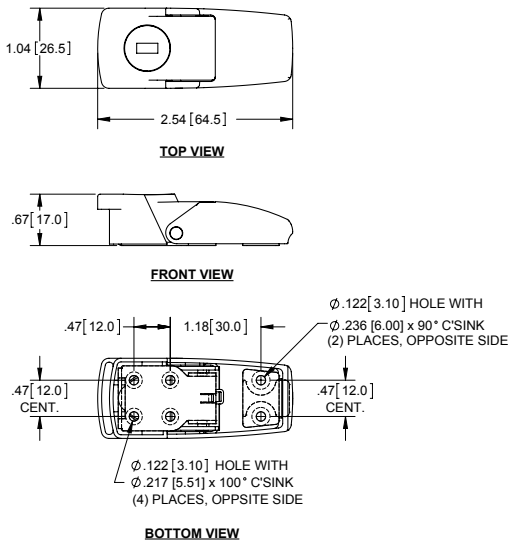


Small Over Center Latch

Small Locking Latch

Part Number	Finish
237-LK	satin chrome
237CH-LK	bright chrome
237BK-LK	black powder coated

- material: die cast zinc
- stainless steel components
- two ringed double bitted keys (code: K08)
- includes die cast zinc keeper
- includes dust shutter



Small Non-Locking Latch

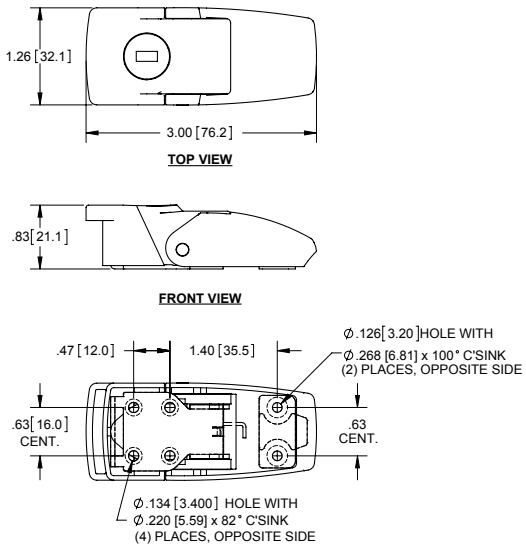
Part Number	Finish
237	satin chrome
237CH	bright chrome
237BK	black powder coated

Large Over Center Latch

Large Locking Latch

Part Number	Finish
238-LK	satin chrome
238CH-LK	bright chrome
238BK-LK	black powder coated

- material: die cast zinc
- stainless steel components
- two ringed double bitted keys (code: K08)
- includes die cast zinc keeper
- includes dust shutter

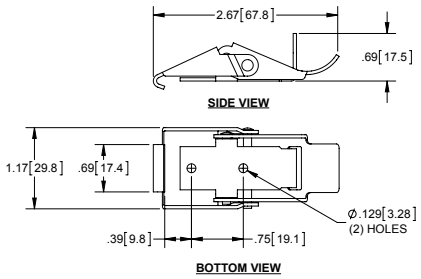


Large Non-Locking Latch

Part Number	Finish
238	satin chrome
238CH	bright chrome
238BK	black powder coated

To Place Order: 800.433.5554 order@spep.com

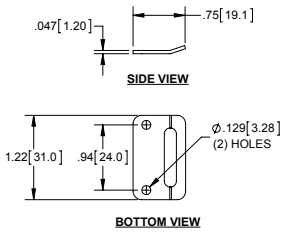
Over Center Latch with Padlock Eye



Latch

Part Number	Material	Finish
2189SS	304SS	electropolished

- .375" diameter padlock hole



Striker

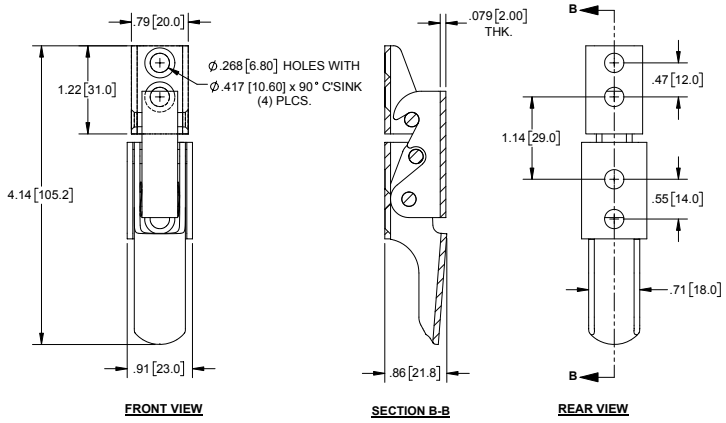
Part Number	Material	Finish
2188SS01	304SS	electropolished

- accepts .125" rivet

Heavy Duty Draw Pull Latch

Part Number	Material	Finish
2065SS	304SS	mill

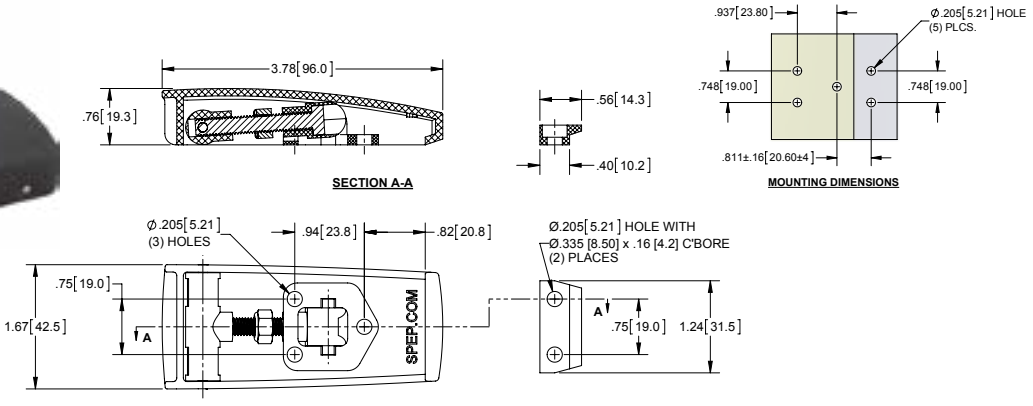
- working load: 154 lbs.



Adjustable Plastic Draw Latch

Part Number	Description	Material	Finish
239BK	latch and keeper	glass reinforced acetal	lightly textured black

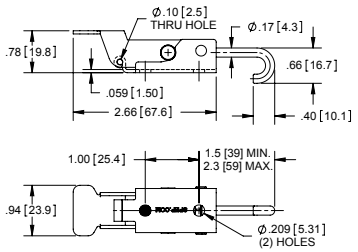
- concealed keeper



Small Adjustable Hook Over Center Latches

Part Number	Material	Finish	Grip
221ZN	steel	zinc plated	no
221SS	304SS	electropolished	no
221ZN1	steel	zinc plated	yes
221SS1	304SS	electropolished	yes

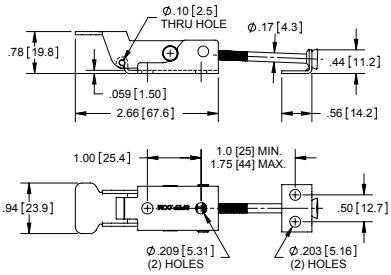
- yellow vinyl grip: .060 [1.52] thick, dimensions shown are without grip
- wire sealing feature



Small Adjustable Ball Over Center Latches with Standard Keeper

Part Number	Material	Finish	Grip
224ZN	steel	zinc plated	no
224SS	304SS	electropolished	no
224ZN1	steel	zinc plated	yes
224SS1	304SS	electropolished	yes

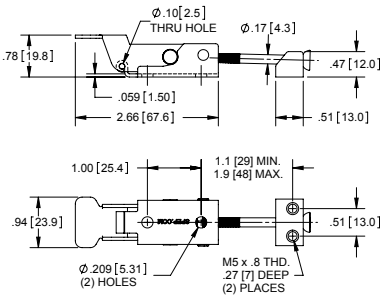
- yellow vinyl grip: .060 [1.52] thick, dimensions shown are without grip
- wire sealing feature



Small Adjustable Ball Over Center Latches with Cast Keeper

Part Number	Material	Finish	Grip
224ZNB	steel	zinc plated	no
224ZN1B	steel	zinc plated	yes

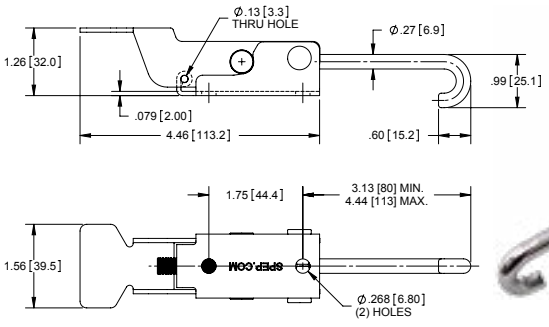
- yellow vinyl grip: .060 [1.52] thick, dimensions shown are without grip
- wire sealing feature



Medium Adjustable Hook Over Center Latches

Part Number	Material	Finish	Grip
222SS	304SS	electropolished	no
222ZN1	steel	zinc plated	yes
222SS1	304SS	electropolished	yes

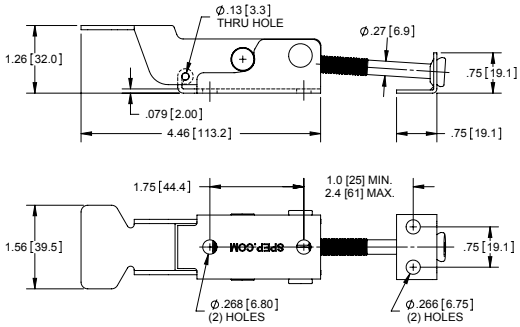
- yellow vinyl grip: .060 [1.52] thick, dimensions shown are without grip
- wire sealing feature



Medium Adjustable Ball Over Center Latches with Standard Keeper

Part Number	Material	Finish	Grip
234ZN	steel	zinc plated	no
234SS	304SS	electropolished	no
234ZN1	steel	zinc plated	yes
234SS1	304SS	electropolished	yes

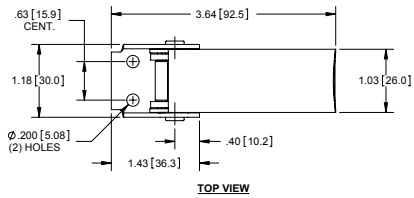
- yellow vinyl grip: .060 [1.52] thick, dimensions shown are without grip
- wire sealing feature

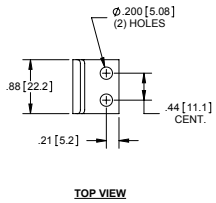


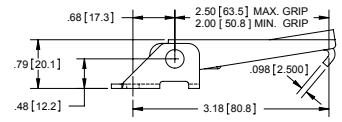
Medium Adjustable Under Center Latch with Keeper

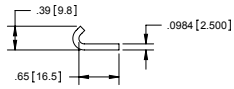
Part Number	Material	Finish
2172SS	300 series stainless steel	electropolished

- working load: 600 lbs.
- latch and keeper surfaces must be on the same plane





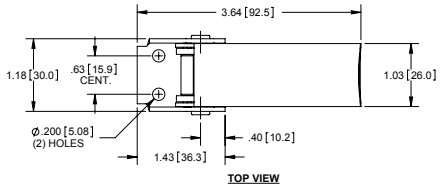


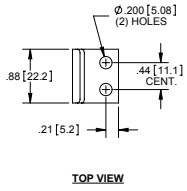


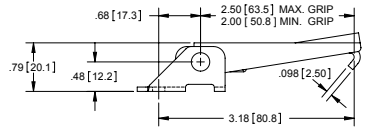
Medium Adjustable Under Center Latch with Keeper

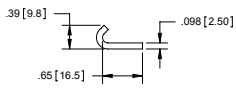
Part Number	Description	Material	Finish
2172ZN-01	latch & keeper	steel	zinc plated
2172ZN-K	keeper	steel	zinc plated

- working load: 500 lbs.
- latch and keeper surfaces must be on the same plane







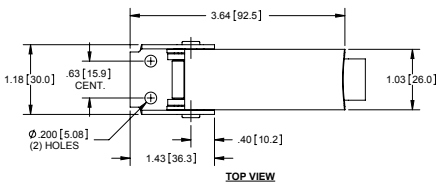


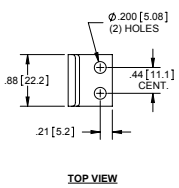
Medium Adjustable Under Center Latches 316SS

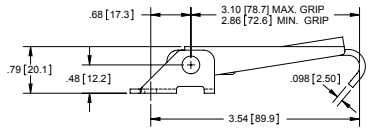
Part No. **2172SS-LK**

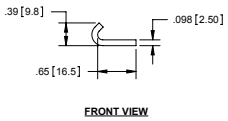
Part Number	Description	Material	Finish
2172SS-L01	latch	300 series stainless steel	electropolished
2172SST-L01	latch	316SS	electropolished
2172SS-LK	padlockable latch	300 series stainless steel	electropolished
2172SS-K	keeper	304SS	electropolished

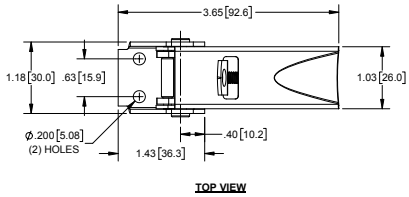
- working load: 600 lbs.
- latch and keeper surfaces must be on the same plane
- keeper details are the same as part number **2172SS** shown above

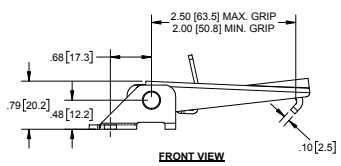












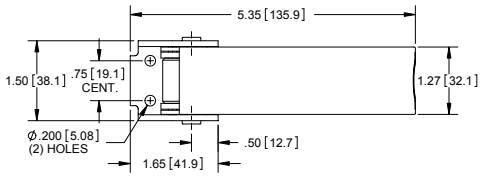
P/N 2172SS-LK

Download 3D MODELS @ www.spep.com

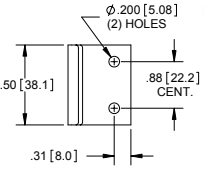
Large Adjustable Under Center Latch with Keeper

Part Number	Material	Finish
2173ZN	steel	zinc plated

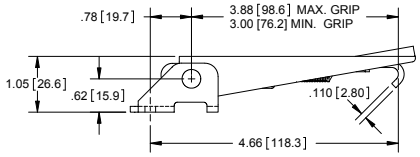
- keeper is stainless steel
- working load: 1,000 lbs.
- latch and keeper surfaces must be on the same plane



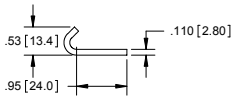
TOP VIEW



TOP VIEW



FRONT VIEW

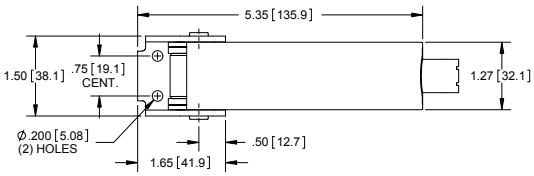


FRONT VIEW

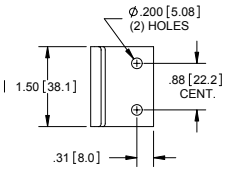
Large Adjustable Under Center Latches

Part Number	Description	Material	Finish
2173SS-L01	latch	300 series stainless steel	electropolished
2173SS-K	keeper	304SS	mill

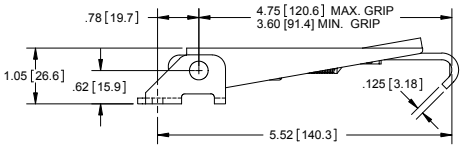
- working load: 1,000 lbs.
- latch and keeper surfaces must be on the same plane
- keeper details are the same as part number **2173ZN** shown above



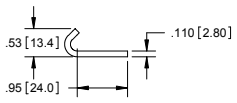
TOP VIEW



TOP VIEW



FRONT VIEW

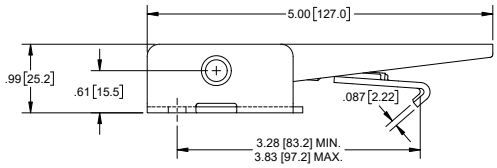


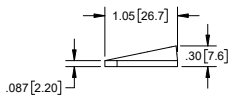
FRONT VIEW

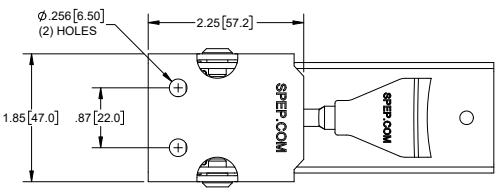
Adjustable Under Center Latches

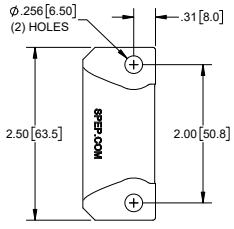
Part No.	Description	Material	Finish
2075ZN-L	latch	steel	yellow zinc plated
2075ZN-S	striker	steel	yellow zinc plated

- working load: 1500lbs.

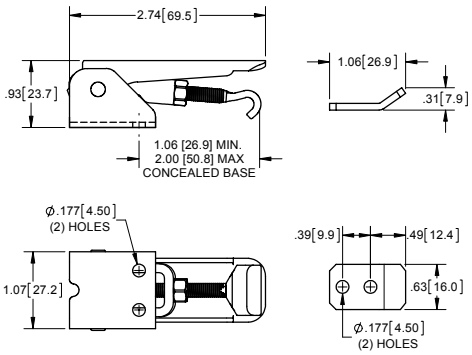




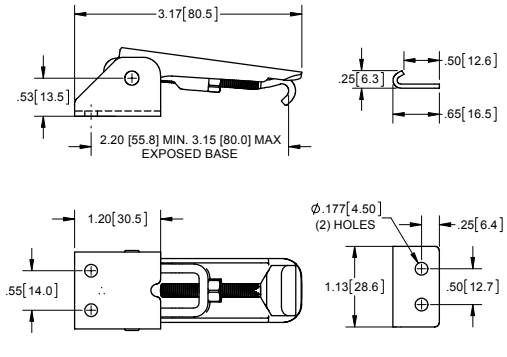




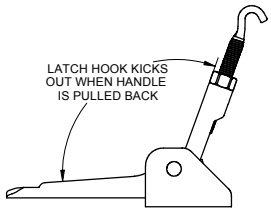
Adjustable Under Center Latches with Kick-out



CONCEALED STYLE



EXPOSED STYLE



KICKOUT FEATURE

Features
adjustable hook for different reaches
kick-out feature
latch and keeper surfaces must be on same plane

Standard Latches

Part Number	Material	Finish	Base Style	Working Load
210-100ZN	steel	zinc plated	concealed	400 lbs
210-100SS	300 series stainless steel	electropolished	concealed	450 lbs
210-100SSBK	300 series stainless steel	black e-coat	concealed	450 lbs
210-200ZN	steel	zinc plated	exposed	400 lbs
210-200SS	stainless steel	electropolished	exposed	450 lbs
210-200SSBK	stainless steel	black e-coat	exposed	450 lbs

- latch and keeper surfaces must be on same plane

Latches with Secondary Catch

Part Number	Material	Finish	Base Style	Working Load
210-110ZN	steel	zinc plated	concealed	400 lbs
210-110SS	300 series stainless steel	electropolished	concealed	450 lbs
210-210ZN	steel	zinc plated	exposed	400 lbs
210-210SS	300 series stainless steel	electropolished	exposed	450 lbs

- latch and keeper surfaces must be on same plane

Latches with Padlocking Hasp

Part Number	Material	Finish	Base Style	Working Load
210-120ZN	steel	zinc plated	concealed	400 lbs
210-120SS	300 series stainless steel	electropolished	concealed	450 lbs
210-220ZN	steel	zinc plated	exposed	400 lbs
210-220SS	300 series stainless steel	electropolished	exposed	450 lbs

- latch and keeper surfaces must be on same plane
- accepts up to 5/16" padlock

concealed exposed

Latch Keepers

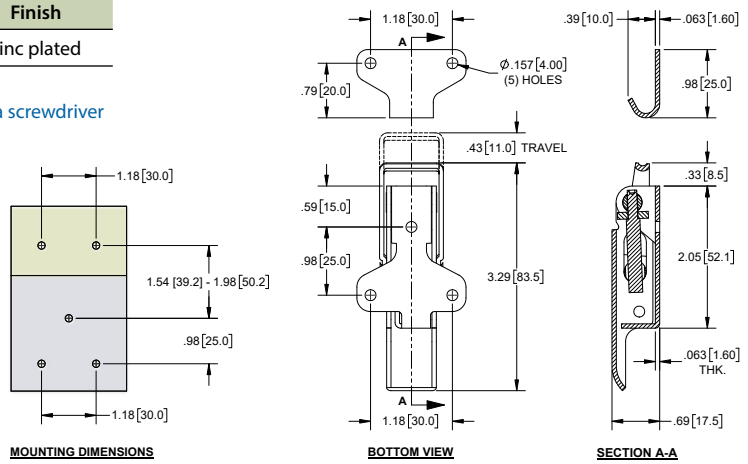
Part Number	Material	Finish	Base Style	Working Load
210-K01ZN	steel	zinc plated	concealed	300 lbs
210-K01SS	300 series stainless steel	electropolished	concealed	350 lbs
210-K01SSBK	300 series stainless steel	black e-coat	concealed	350 lbs
210-K02ZN	steel	zinc plated	exposed	350 lbs
210-K02SS	300 series stainless steel	electropolished	exposed	350 lbs
210-K02SSBK	300 series stainless steel	black e-coat	exposed	350 lbs

- latch and keeper surfaces must be on same plane

Adjustable Draw Pull Latch

Part Number	Material	Finish
2066ZN	steel	zinc plated

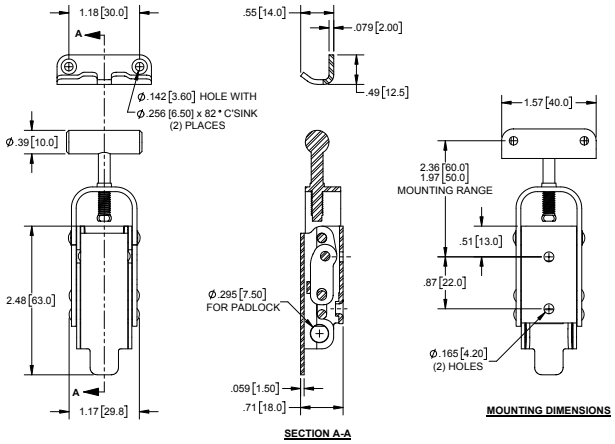
- max working load: 27 lbs.
- catch distance may be adjusted with a screwdriver



Large Adjustable Draw Pull Latch, Padlockable

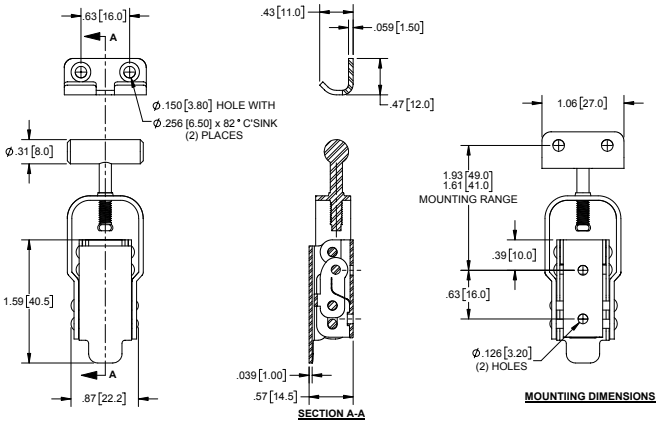
Part Number	Material	Finish
2068SS-01	304SS	barrel polished

- accepts up to 1/4" padlock



Small Adjustable Draw Pull Latch

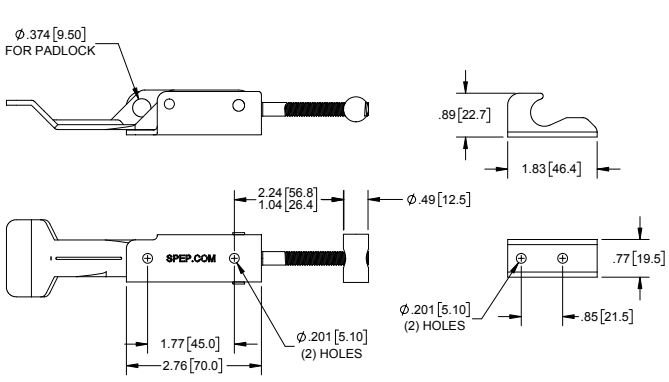
Part Number	Material	Finish
2068SS-02	304SS	barrel polished



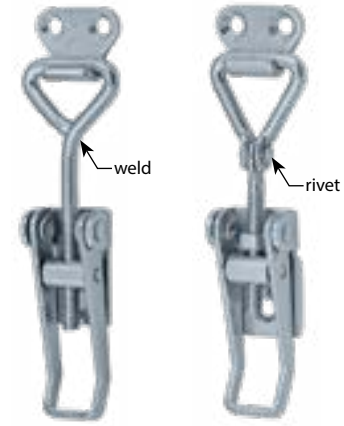
Adjustable, Padlockable Draw Pull Latch

Part Number	Description	Material / Finish
2076ZN-L	latch	steel / zinc plated
2076ZN-K	keeper	

- working load: 1100 LBS
- ultimate load: 2200 LBS



Adjustable Draw Pull Latch with Keeper

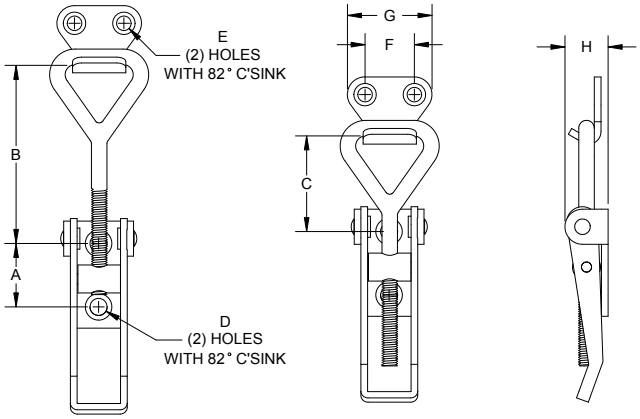


2160 & **2160SS**
welded

2162 & **2162SS**
riveted

Part Number	Material	Finish	A	B	C	D	E	F	G	H
2160	steel	zinc	.708 [17.98]	2.03 [51.6]	1.04 [26.4]	Ø.191 [4.85] w/82° c'sink	Ø.162 [4.11] w/82° c'sink	.550 [13.97]	.94 [23.88]	.55 [14.0]
2160SS	304SS	polished	.708 [17.98]	2.03 [51.6]	.84 [21.3]	Ø.195 [4.95] w/82° c'sink	Ø.156 [3.96] w/82° c'sink	.550 [13.97]	.94 [23.88]	.55 [14.0]
2162	steel	zinc	.672 [17.07]	2.66 [67.6]	1.68 [42.7]	Ø.208 [5.28] w/82° c'sink	Ø.208 [5.28] w/82° c'sink	.688 [17.48]	1.19 [30.23]	.66 [16.7]
2162SS	304SS	polished	.672 [17.07]	2.66 [67.6]	1.68 [42.7]	Ø.208 [5.28] w/82° c'sink	Ø.208 [5.28] w/82° c'sink	.688 [17.48]	1.19 [30.23]	.66 [16.7]

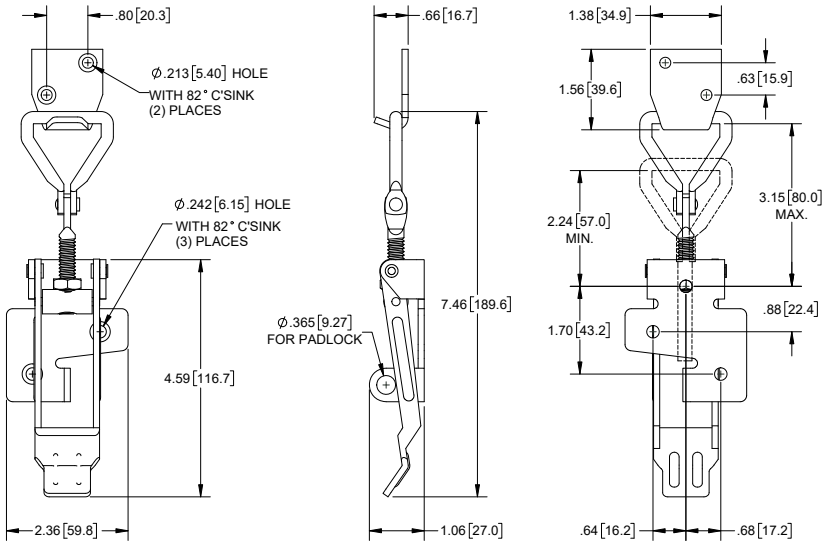
- part numbers **2162** and **2162SS** have a riveted catch that pivots as shown on the picture



Adjustable Draw Pull Latch with Keeper, Padlocking

Part Number	Material	Finish
2168	steel	zinc
2168SS	304SS	mill

- accepts up to 5/16" padlock

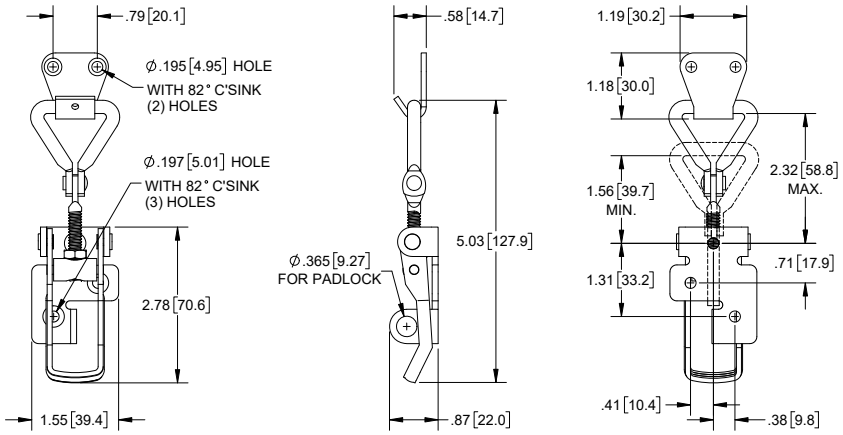


Download 3D MODELS @ www.spep.com

Adjustable Draw Pull Latch with Keeper, Padlocking

Part Number	Material	Finish
2167	steel	zinc
2167SS	304SS	electropolished
2167SST	316SS	electropolished

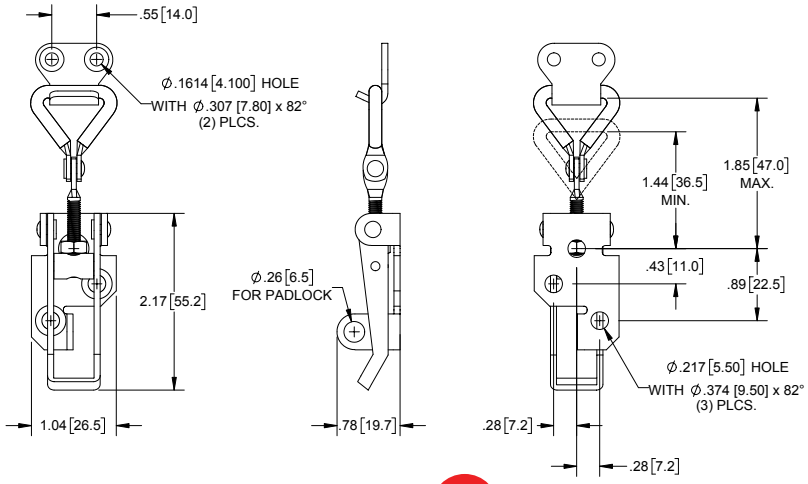
- accepts up to 5/16" padlock



Adjustable Draw Pull Latch with Keeper, Padlocking

Part Number	Material	Finish
2160SS-LK	304SS	electropolished

- accepts up to 1/4" padlock
- has a riveted catch that pivots



NEW Adjustable Draw Pull Latch, Padlocking

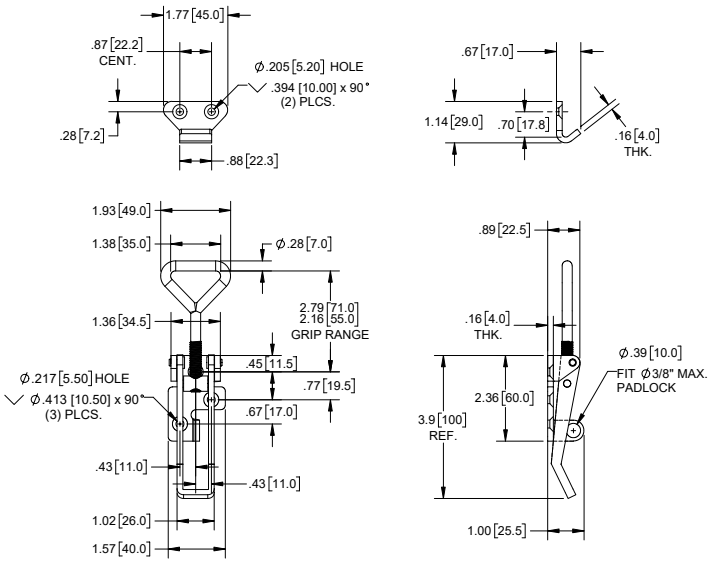
Latch

Part Number	Material	Finish
21601SS-LK	304SS	electropolished

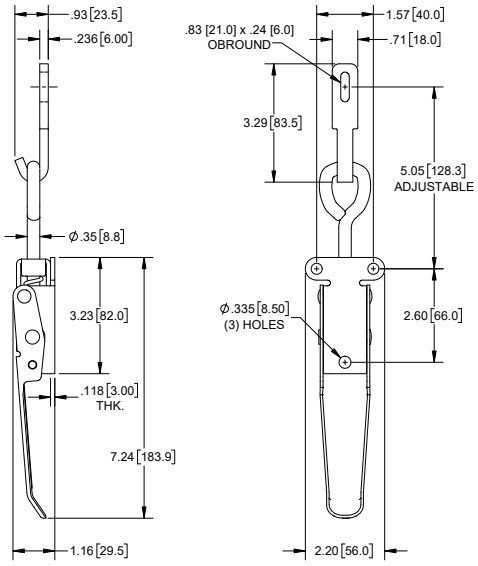
- fits Ø 3/8" max padlock

Keeper

Part Number	Material	Finish
21601SS-K	304SS	electropolished

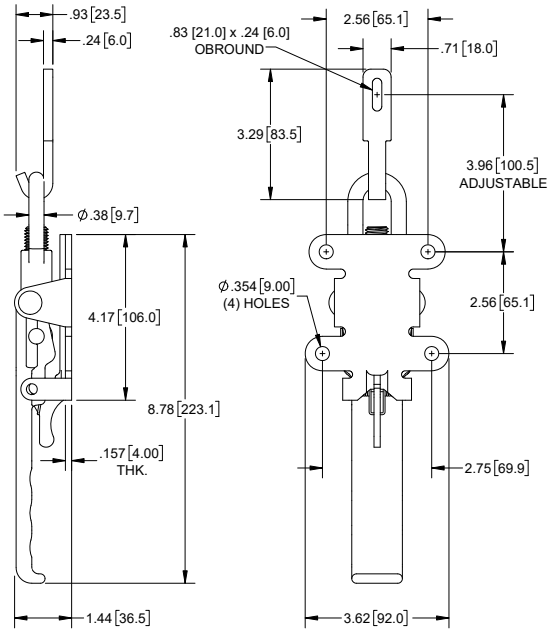


Adjustable Spring Loaded Draw Pull Latch



Part Number	Material	Finish
2135ZN	steel	zinc plated

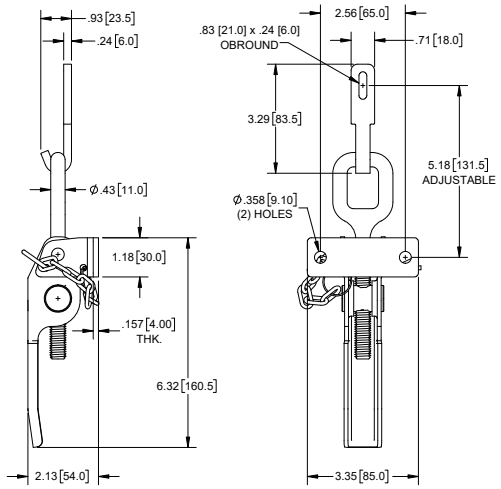
Adjustable Draw Pull Latch



Part Number	Material	Finish
2138ZN	steel	zinc plated

- features a secondary spring-loaded latch for added security

Adjustable Draw Pull Latch



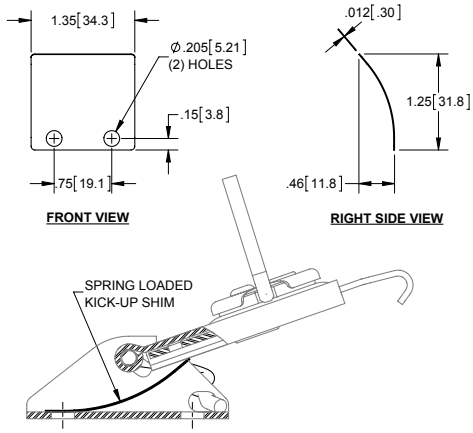
Part Number	Material	Finish
2137ZN	steel	zinc plated

- features a chained cotter pin for added security

Kick-up Shim for Large Twist Latches

Part Number	Material	Finish
209511SS	301SS	passivated

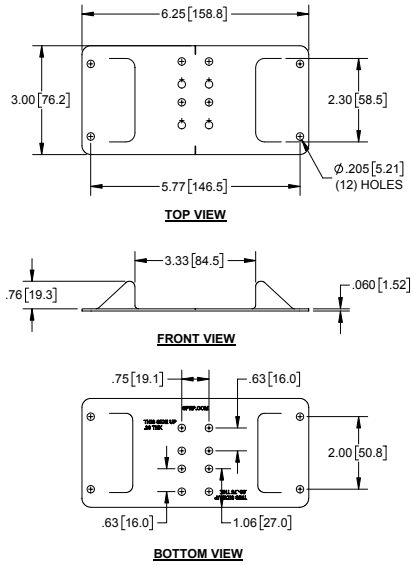
- mounts on latch base to create a spring loaded effect on the catch for a one handed operation



Protector Plates for Large Twist Latches

Part Number	Material	Finish
209BP	steel	zinc plated
209BPSS	304SS	electropolished

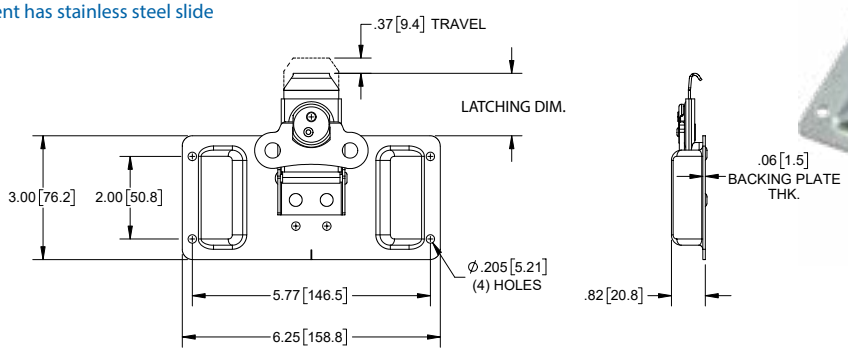
- protects latch from getting damaged, accidentally unlatching, or getting hooked on something during transportation
- multiple mounting holes for greater adjustment options
- large twist latches can be ordered installed on protector plates



Large Twist Latch and Protector Plate Assemblies

Part Number	Material	Finish	Latching Dim.	Recommended Panel Thickness
2095BP	steel	zinc plated	1.18 [30.0]	3/8"
2098BP	steel	zinc plated	1.13 [28.8]	3/8"
209805BP	steel	zinc plated	1.13 [28.8]	3/8"
2095BP-01	steel	zinc plated	1.56 [39.6]	1/2" - 3/4"
2098BP-01	steel	zinc plated	1.56 [39.6]	1/2" - 3/4"
209805BP-01	steel	zinc plated	1.56 [39.6]	1/2" - 3/4"

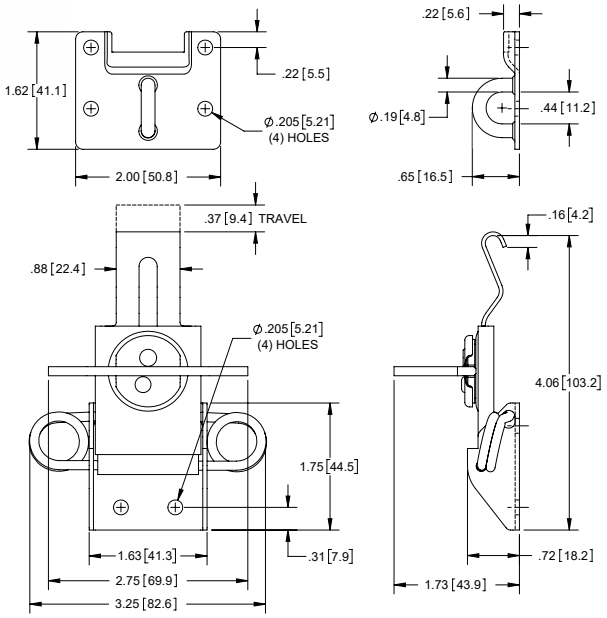
- assembly includes one latch (**2095**, **2098** or **209805**) and one **209BP** steel protector plate riveted with stainless steel rivets
- latch component has stainless steel slide

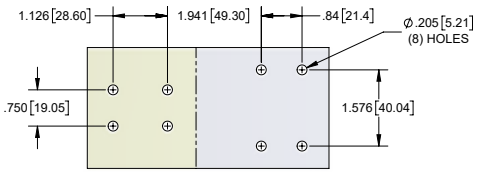


Large Spring Loaded Twist Latch with Padlocking Keeper

Part Number	Description	Material	Finish
209501SS	latch and keeper	300 series stainless steel	tumbled

- the spring compensates for up to .16 [4.0] misalignment
- accepts up to 5/16" padlock



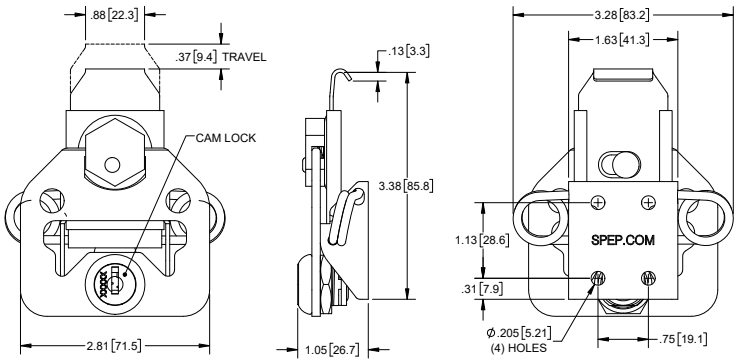


MOUNTING DIMENSIONS

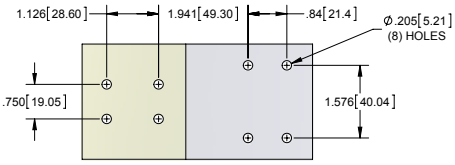
Cam Locking Twist Latch

Part Number	Material	Finish
208907	steel	blue zinc plated

- stainless steel slide catch springs
- (2) key codes available: CH751 & C415A
- can be used with part no. **2096** keeper



TOP VIEW RIGHT SIDE VIEW REAR VIEW

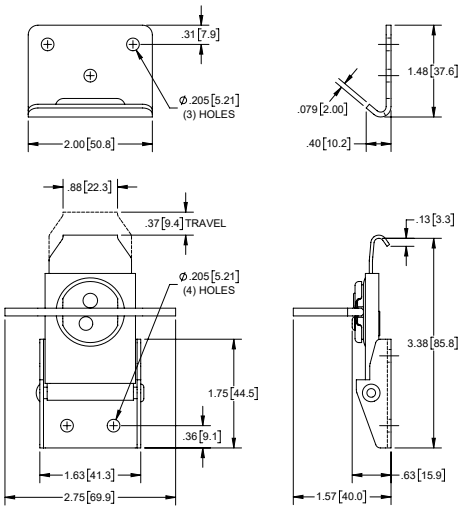


MOUNTING DIMENSIONS

Large Twist Latches

Part Number	Description	Material	Finish
2098*	latch	steel	zinc plated
2098SS	latch	300 series stainless steel	tumbled
2096	2" wide keeper	steel	zinc plated
209601	3" wide keeper	steel	zinc plated
2096SS	2" wide keeper	304SS	tumbled
2099*	polybagged	steel	zinc plated & tumbled

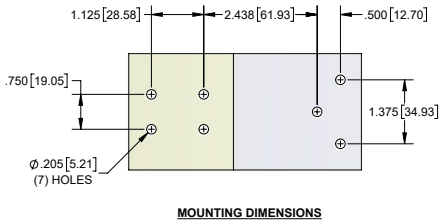
- working load: 200 lbs.
- *latch is made of steel with a stainless steel slide
- polybagged part number **2099** contains one **2098** latch and one **2096** keeper per sealed polybag.
- see illustration below for mounting hole details



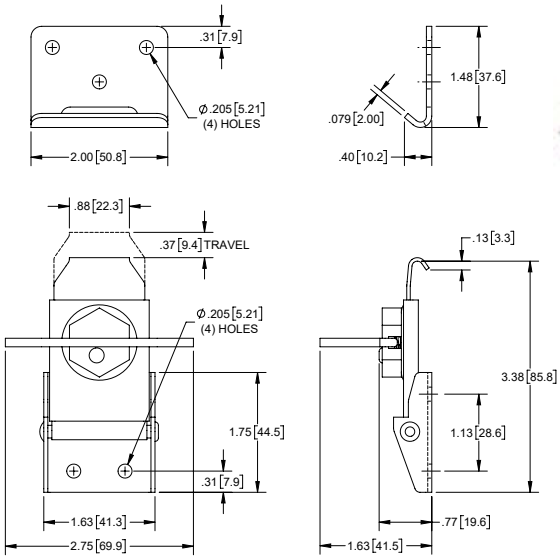
Large Twist Latch with Hex Cam

Part Number	Description	Material	Finish
209805	latch	steel	zinc plated
2096	keeper	steel	zinc plated

- working load: 200 lbs.



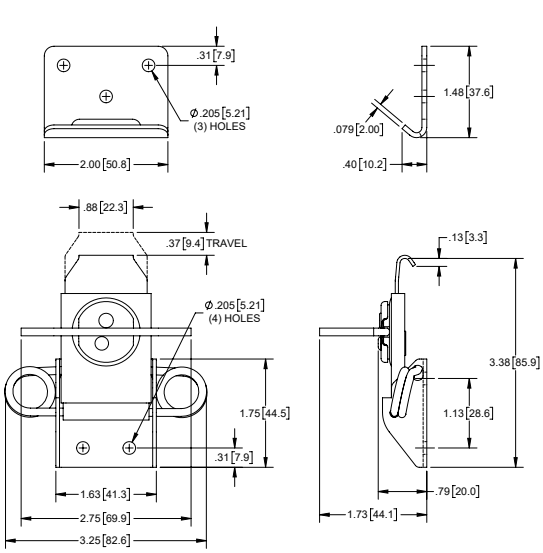
MOUNTING DIMENSIONS



Large Spring Loaded Twist Latches

Part Number	Description	Material	Finish
2095*	latch	steel	zinc plated
2095SS	latch	300 series stainless steel	tumbled
2096	keeper	steel	zinc plated
2096SS	keeper	304SS	tumbled
2097	polybagged	steel	zinc plated
2097SS	polybagged	304SS	tumbled

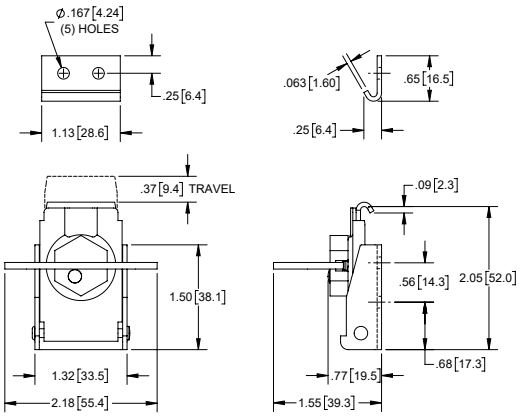
- see illustration above for mounting hole details
- the spring compensates for up to .16 [4.0] misalignment
- *part number **2095** is steel with stainless slide
- part number **2097** contains one **2095** latch and one **2096** keeper per sealed polybag
- part number **2097SS** contains one **2095SS** latch and one **2096SS** keeper per sealed polybag
- working load: 200 lbs.



Medium Twist Latches with Hex Cam

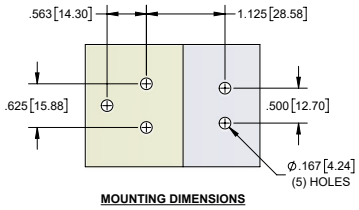
Part No. **208902*** same as part no. **2089** except without twist wing

Part No. **208903**** same as part no. **208902** except slotted hex cap



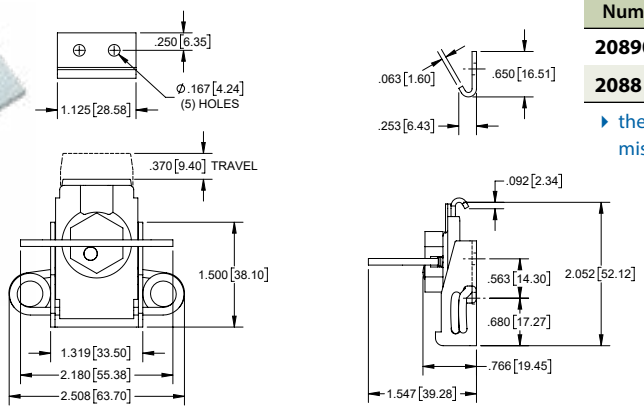
Part Number	Description	Material	Finish
2089	latch	steel	zinc plated
2089BK01	latch	steel	black powder coated
208902*	latch	steel	zinc plated
208903**	latch	steel	zinc plated
2088	keeper	steel	zinc plated
2088BK	keeper	steel	black powder coated

- latches with hex head can be activated with a wrench



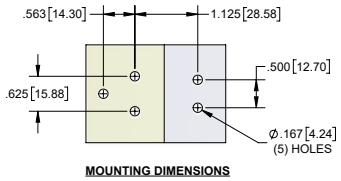
MOUNTING DIMENSIONS

Medium Spring Loaded Twist Latches with Hex Cam



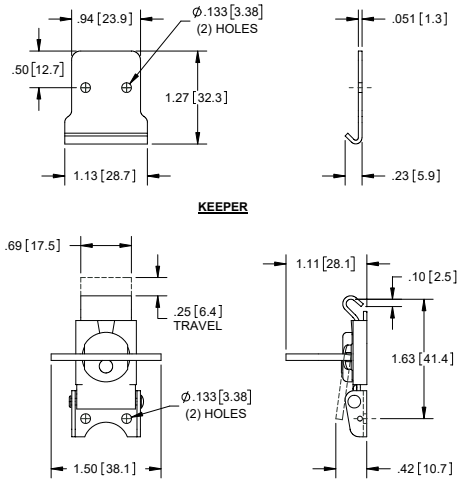
Part Number	Description	Material	Finish
208905	latch	steel	zinc plated
2088	keeper	steel	zinc plated

- the spring compensates for up to .156 [4.00] misalignment



MOUNTING DIMENSIONS

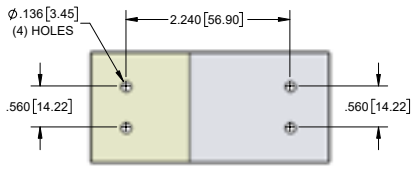
Small Low Profile Twist Latches



KEEPER

LATCH

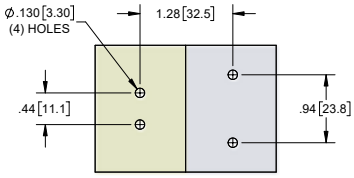
Part Number	Description	Material	Finish
2085	latch	steel	zinc plated
2085SS	latch	300 series stainless steel	tumbled
2086	keeper	steel	zinc plated
2086SS	keeper	304SS	tumbled
2086BK	keeper	steel	black e-coat



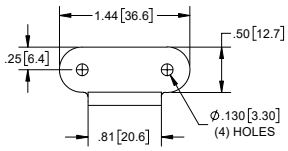
MOUNTING DIMENSIONS

Small Twist Latches

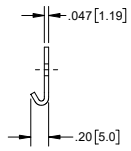
Part Number	Description	Material	Finish
209102	latch	steel	zinc plated
209103	keeper	steel	zinc plated
209102SS	latch	300 series stainless steel	tumbled
209103SS	keeper	304SS	tumbled

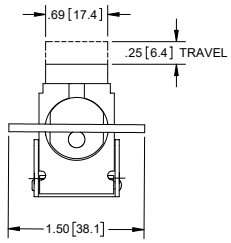


MOUNTING DIMENSIONS

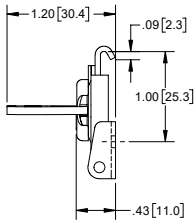


KEEPER





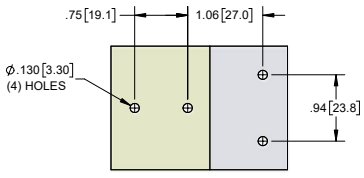
LATCH



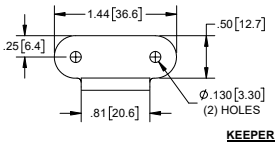
Small Twist Latches with Tri-shaped Base

Part Number	Description	Material	Finish
2094	latch	steel	zinc plated
209103	keeper	steel	zinc plated
2094SS	latch	300 series stainless steel	tumbled
209103SS	keeper	304SS	tumbled
209402	polybagged	steel	zinc plated

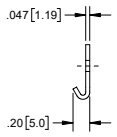
- polybagged part number contains one latch and one keeper per sealed bag

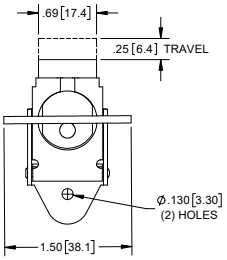


MOUNTING DIMENSIONS

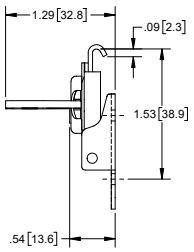


KEEPER



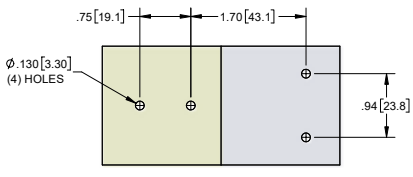


LATCH

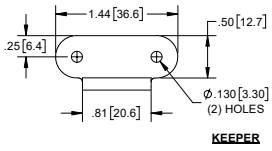


Small Twist Latches with Tri-shaped Base and Long Slide

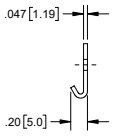
Part Number	Description	Material	Finish
209410	latch	steel	zinc plated
209103	keeper	steel	zinc plated
209410SS	latch	300 series stainless steel	tumbled
209103SS	keeper	304SS	tumbled

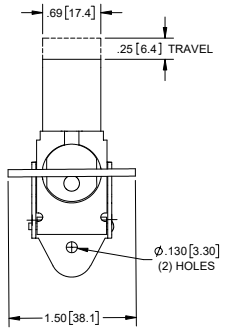


MOUNTING DIMENSIONS

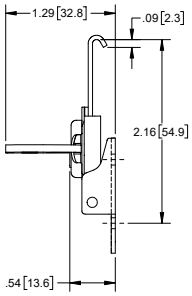


KEEPER

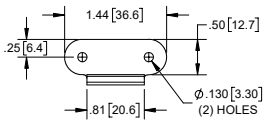




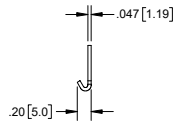
LATCH

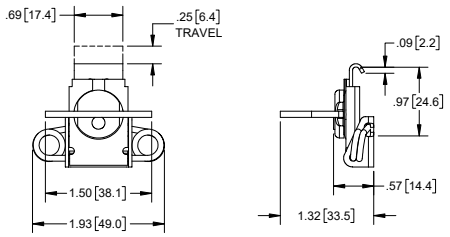


Small Spring Loaded Twist Latches



KEEPER

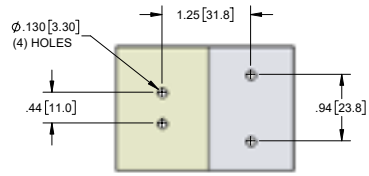




LATCH

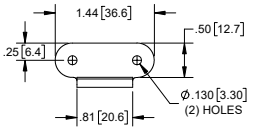
Part Number	Description	Material	Finish
2093	latch	steel	zinc plated
209103	keeper	steel	zinc plated
209302	polybagged	steel	zinc plated

- polybagged part number contains one latch and one keeper per sealed polybag.
- the spring compensates for up to .156 [4.00] misalignment

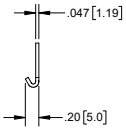


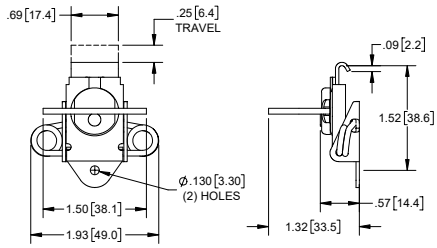
MOUNTING DIMENSIONS

Small Spring Loaded Twist Latches with Tri-shaped Base



KEEPER

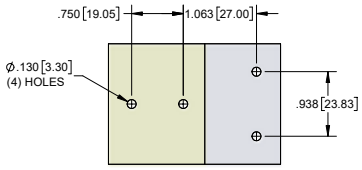




LATCH

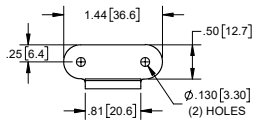
Part Number	Description	Material	Finish
209303	latch	steel	zinc plated
209103	keeper	steel	zinc plated
209303BK	latch	steel	black e-coat
209303SS	latch	300 series stainless steel	tumbled
209103SS	keeper	304SS	tumbled
209304	polybagged	steel	zinc plated

- polybagged part number contains one latch and one keeper per sealed polybag
- the spring compensates for up to .156 [4.00] misalignment

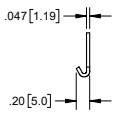


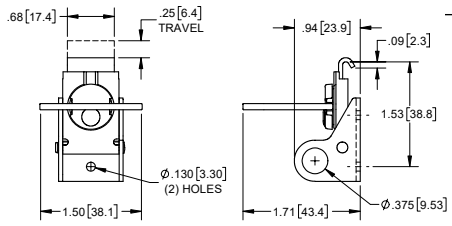
MOUNTING DIMENSIONS

Small Padlocking Twist Latches



KEEPER

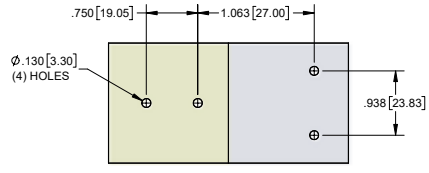




LATCH

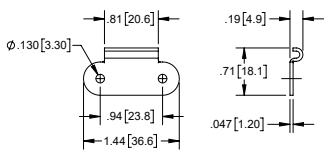
Part Number	Description	Material	Finish
2091LK	latch	steel	zinc plated
209103	keeper	steel	zinc plated
2091LKSS-L	latch	300 series stainless steel	tumbled
209103SS	keeper	304SS	tumbled
2091LKSS01*	latch & keeper	300 series stainless steel	tumbled

- *holes on latch and keeper are Ø.193 instead of Ø.130

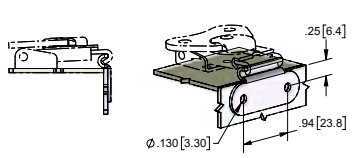


MOUNTING DIMENSIONS

90° Angle Keeper for Small Twist Latches



KEEPER



MOUNTING DIMENSIONS

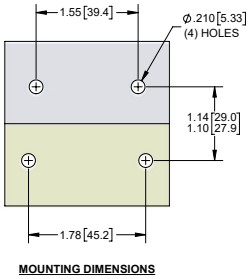
Part Number	Material	Finish
209107	steel	zinc plated
209107SS	304SS	tumbled

- mounted perpendicular to latch

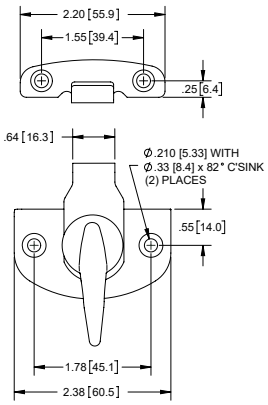
Cam Type Sash Latch

Part Number	Material	Finish
2C	steel	chrome plated

- #6 F.H.S. screws are included



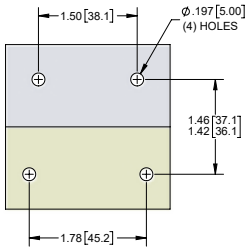
MOUNTING DIMENSIONS



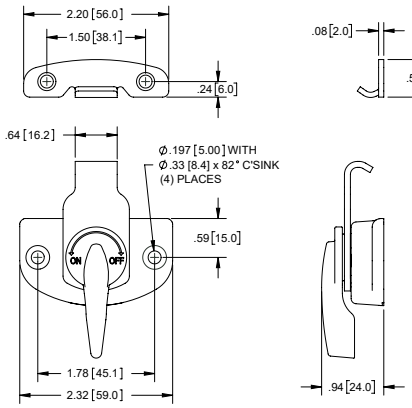
Cam Type Sash Lock

Part No.	Description	Material	Finish
2D	sash lock & keeper	steel	zinc plated
2E-L	sash lock only	steel	nickel plated
2E-K	keeper only	steel	nickel plated

- screws not included
- includes ball bearing for detent feature



MOUNTING DIMENSIONS



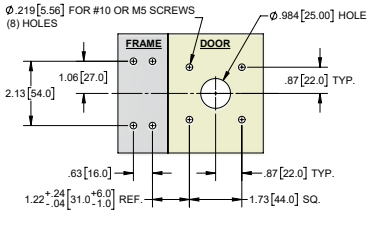
NEW PRODUCT FAMILY

PATENT PENDING

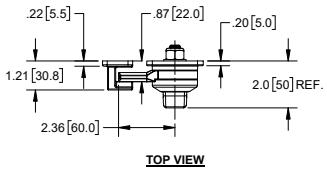
Single Point L-handle Latch with Keeper

Part Number	Material	Finish
D465	304SS	polished

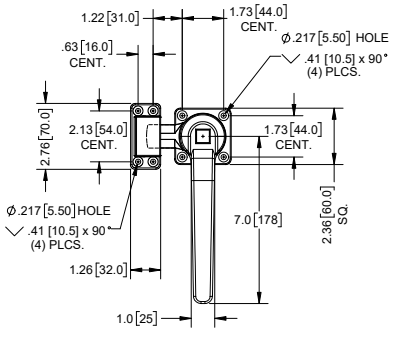
- left hand/right hand, front/back flush assembly flexibility
- 90° handle operation, 45° cam adjustment increments
- compatible with both inward and outward opening doors



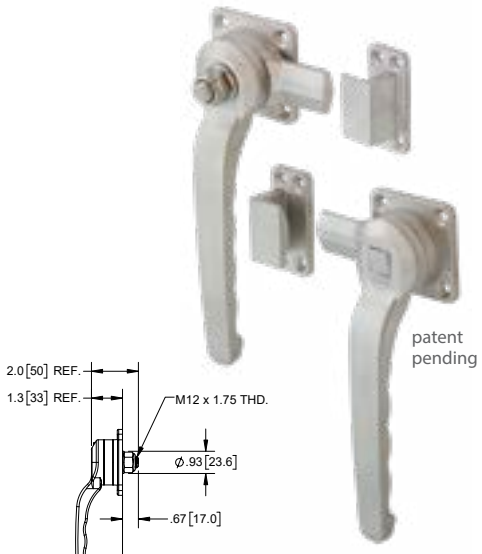
MOUNTING DIMENSIONS

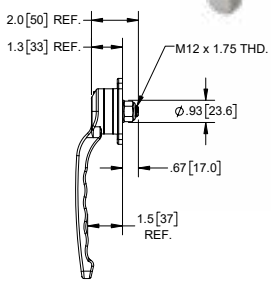


TOP VIEW



FRONT VIEW

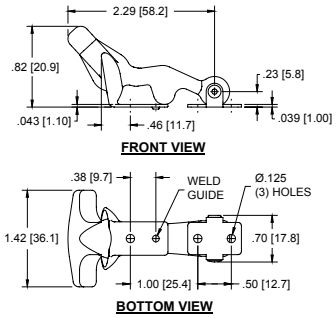




SIDE VIEW

Small EPDM Rubber T-Handle Latch UV

long keeper



Part Number	Keeper Style	Keeper Material	Keeper Finish
220-100SS	long	304SS	passivated
220-100ZN	long	steel	zinc plated

▸ dimensions shown are after installation

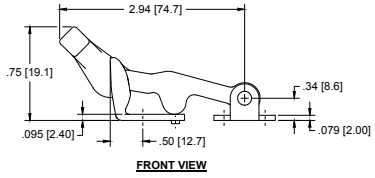
Medium EPDM Rubber T-Handle Latches UV

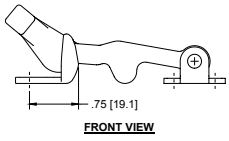
fixed assembled (riveted)

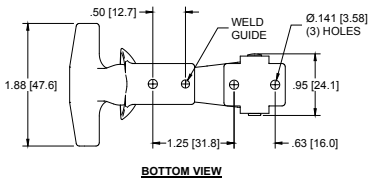
unassembled (cotter pin)

long keeper

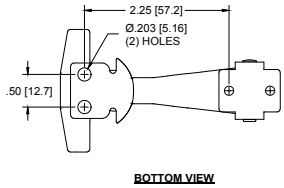
short keeper







LATCH WITH LONG KEEPER



LATCH WITH SHORT KEEPER

Part Number	Keeper Style	Description	Keeper Material	Keeper Finish
220-200SS	long	fixed assembled (riveted)	304SS	passivated
220-200ZN	long	fixed assembled (riveted)	steel	zinc plated
220-200SS50	long	unassembled (cotter pin)	304SS	passivated
220-200ZN50	long	unassembled (cotter pin)	steel	zinc plated
220-250SS	short	fixed assembled (riveted)	304SS	passivated
220-250ZN	short	fixed assembled (riveted)	steel	zinc plated
220-250SS50	short	unassembled (cotter pin)	304SS	passivated
220-250ZN50	short	unassembled (cotter pin)	steel	zinc plated
230-2T	---	t-handle only	---	---

▸ dimensions shown are after installation

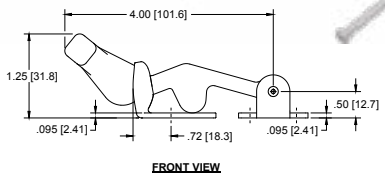
Large EPDM Rubber T-Handle Latches UV

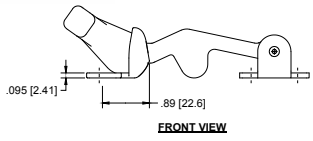
fixed assembled (riveted)

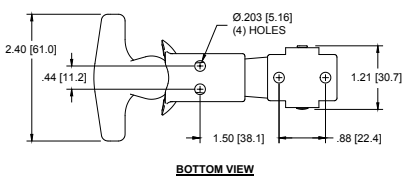
unassembled (cotter pin)

long keeper

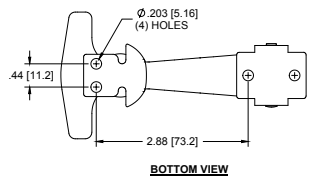
short keeper







LATCH WITH LONG KEEPER



LATCH WITH SHORT KEEPER

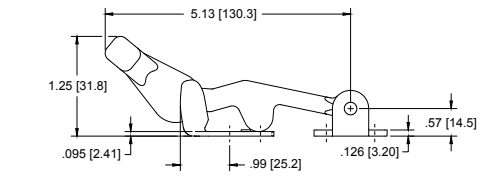
Part Number	Keeper Style	Description	Keeper Material	Keeper Finish
220-300SS	long	fixed assembled (riveted)	304SS	passivated
220-300ZN	long	fixed assembled (riveted)	steel	zinc plated
220-300SS50	long	unassembled (cotter pin)	304SS	passivated
220-300ZN50	long	unassembled (cotter pin)	steel	zinc plated
220-350SS	short	fixed assembled (riveted)	304SS	passivated
220-350ZN	short	fixed assembled (riveted)	steel	zinc plated
220-350SS50	short	unassembled (cotter pin)	304SS	passivated
220-350ZN50	short	unassembled (cotter pin)	steel	zinc plated
230-3T	---	t-handle only	---	---

▸ dimensions shown are after installation

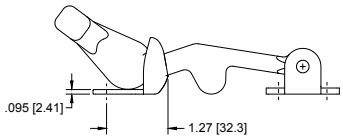
UV Extra Large EPDM Rubber T-Handle Latches

Part Number	Keeper Style	Description	Keeper Material	Keeper Finish
220-400SS	long	fixed assembled (riveted)	304SS	passivated
220-400ZN	long	fixed assembled (riveted)	steel	zinc plated
220-400SS50	long	unassembled (cotter pin)	304SS	passivated
220-400ZN50	long	unassembled (cotter pin)	steel	zinc plated
220-450SS	short	fixed assembled (riveted)	304SS	passivated
220-450ZN	short	fixed assembled (riveted)	steel	zinc plated
220-450SS50	short	unassembled (cotter pin)	304SS	passivated
220-450ZN50	short	unassembled (cotter pin)	steel	zinc plated
230-4T	---	t-handle only		

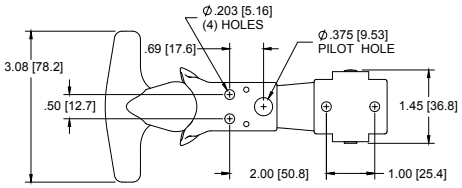
- dimensions shown are after installation
- long keeper includes (2) small weld guides



FRONT VIEW

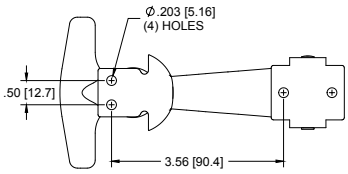


FRONT VIEW



BOTTOM VIEW

LATCH WITH LONG KEEPER



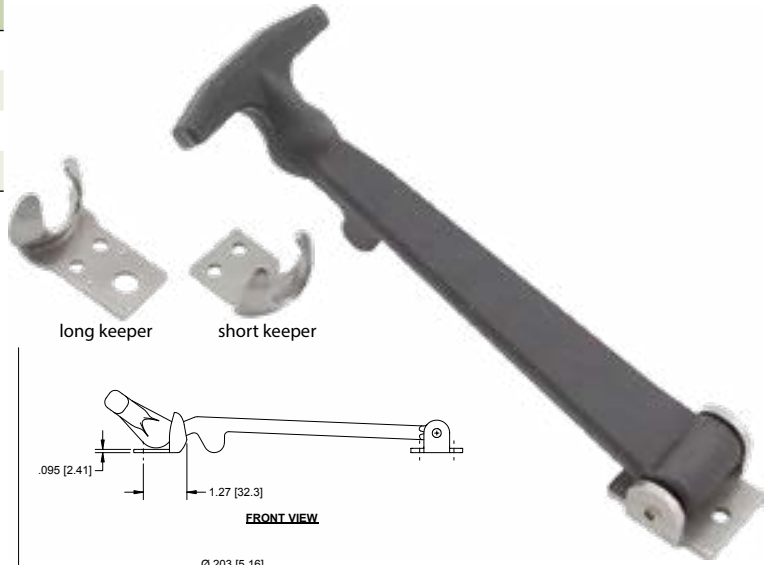
BOTTOM VIEW

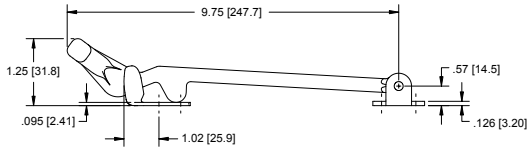
LATCH WITH SHORT KEEPER

UV Extra Large EPDM Rubber T-Handle Latches

Part Number	Keeper Style	Keeper Material	Keeper Finish
220-500SS	long	304SS	passivated
220-500ZN	long	steel	zinc plated
220-550SS	short	304SS	passivated
220-550ZN	short	steel	zinc plated

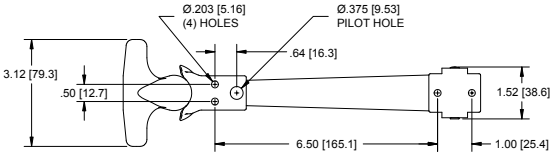
- dimensions shown are after installation





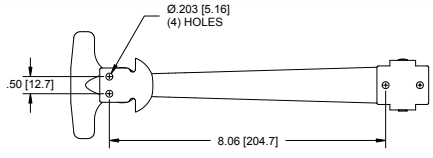
FRONT VIEW

FRONT VIEW



BOTTOM VIEW

LATCH WITH LONG KEEPER



BOTTOM VIEW

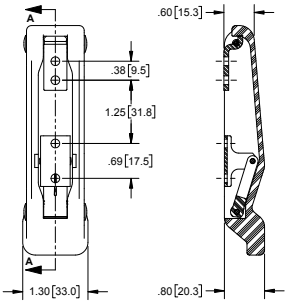
LATCH WITH SHORT KEEPER

Small Thermoplastic Draw Latches UV

concealed right angle reversed

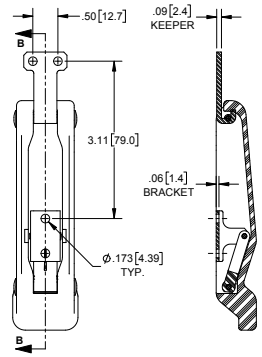
Part Number	Keeper Style
225-100SS	concealed
225-150SS	reversed
225-200SS	right angle
225-350SS	padlocking

- metal components are 304SS with passivated finish
- dimensions shown are after installation

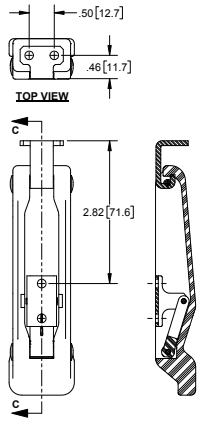


CONCEALED KEEPER

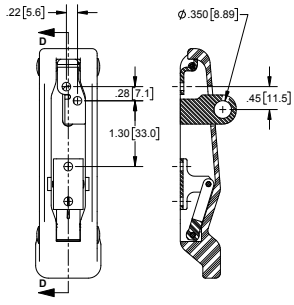
padlocking



REVERSED KEEPER

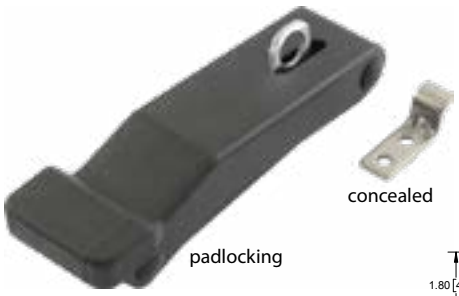


RIGHT ANGLE KEEPER



PADLOCKING KEEPER

Large Thermoplastic Draw Latches UV

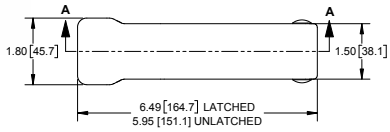


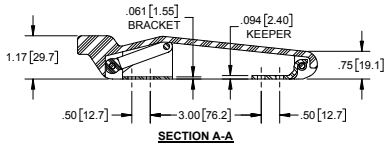
concealed

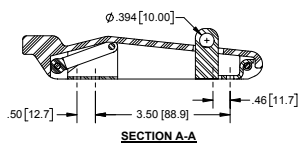
padlocking

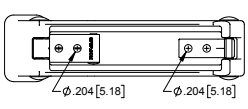
Part Number	Keeper Style
225-300SS	concealed
225-400SS	padlocking

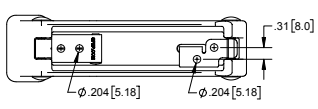
- metal components are 304SS with passivated finish
- dimensions shown are after installation











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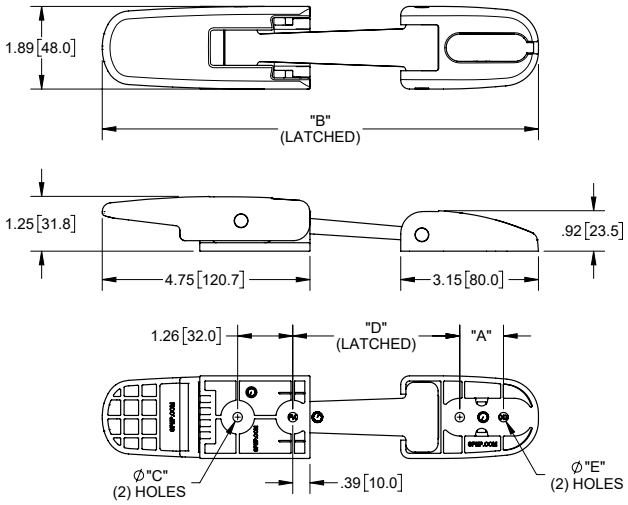
UV Flexible Draw Latches

Part Number	Dim A	Dim B	Dim C	Dim D	Dim E	Average Clamp Force	Material	Finish
240-100 ✷ *	1.00 [25.4]	10.0 [253.0]	.22 [5.5]	3.82 [97.0]	.22 [5.5]	25 LBS	nylon	black, lightly textured
240-150	1.00 [25.4]	10.0 [253.0]	.22 [5.5]	3.82 [97.0]	.22 [5.5]	25 LBS		
240-200	1.00 [25.4]	14.9 [378.0]	.22 [5.5]	8.74 [222.0]	.22 [5.5]	43 LBS		
240-300	1.25 [31.8]	11.8 [300.0]	.26 [6.6]	5.67 [144.0]	.26 [6.6]	79 LBS		

- latch body material: EPDM with smooth black finish
- pin material: stainless steel with black finish
- screw cap cover included
- * part no. **240-100** - latch body is more flexible than part no. **240-150**

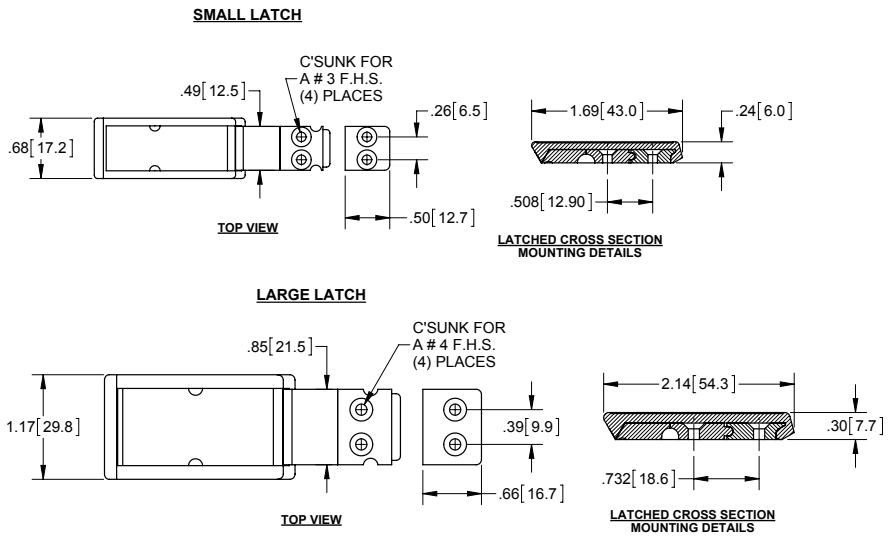
✷ money saver



Plastic Draw Latches

Part Number	Size	Material	Finish
223BK-01	small	plastic	smooth, black
223BK	large	plastic	smooth, black

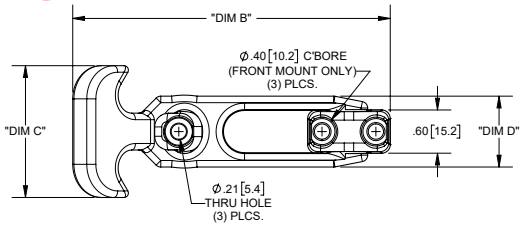
- living hinge draw latch
- low profile
- keeper is concealed when latched



Flexible Draw Latches

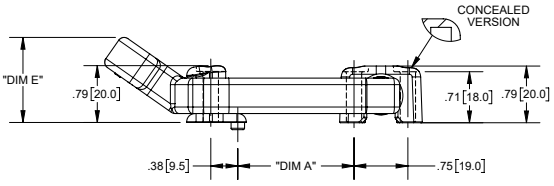
UV

NEW PRODUCT FAMILY



Features

- material: EPDM, GF nylon
- finish: black, UV stable
- spare bracket & keeper kits available separately:
  - **241-00** for front mount latches
  - **241-50** for concealed mount latches
  - **241-55** for front-mount thread forming latches



Small Latches

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Description	Mount	Mounting Hardware	Clamping Force
241-100	1.61 ± .1 [41.0±3.2]	4.41 [112.0]	1.83 [46.5]	.98 [25.0]	1.18 [30.0]	latch with bracket & keeper	front	screws **not** included	13 lbf (58 N)
241-150							concealed	10-24 thread, screws **not** included	
241-155							concealed	SS thread-forming screws included	
241-1LB1						latch with bracket only	front	screws **not** included	
241-1LB3							concealed	SS thread-forming screws included	

Medium Latches

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Description	Mount	Mounting Hardware	Clamping Force
241-200	2.83± .1 [72.0 ± 3.2]	6.62 [165.5]	1.81 [46.0]	1.25 [31.75]	1.10 [28.0]	latch with bracket & keeper	front	screws **not** included	30 lbf (133 N)
241-250							concealed	10-24 thread, screws **not** included	
241-255							concealed	SS thread-forming screws included	
241-2LB1						latch with bracket only	front	screws **not** included	
241-2LB3							concealed	SS thread-forming screws included	

Large Latches

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Description	Mount	Mounting Hardware	Clamping Force
241-300	4.61 ± .1 [117.0 ± 3.2]	8.66 [220.0]	1.81 [46.0]	1.25 [31.75]	1.10 [28.0]	latch with bracket & keeper	front	screws **not** included	25 lbf (111 N)
241-350							concealed	10-24 thread, screws **not** included	
241-355							concealed	SS thread-forming screws included	
241-3LB1						latch with bracket only	front	screws **not** included	
241-3LB3							concealed	SS thread-forming screws included	

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Flexible Draw Latches

NEW PRODUCT FAMILY

SIZES
small
medium
large

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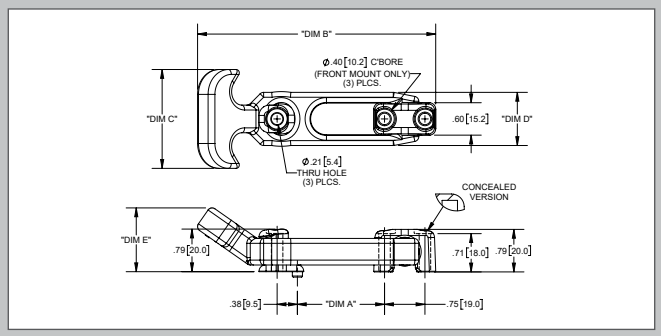
Technical Details

Front Mount
Assembled with No. 10 (M5) screw or 3/16 (5) rivet **(not supplied)**

Concealed Mount
10-24 threaded **(screws not supplied)**
Thread-forming **(3 screws supplied)**



small

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Mount	Mounting Hardware	Clamping Force
241-100	1.61± .1 [41.0 ± 3.2]	4.41 [112.0]	1.83 [46.5]	.98 [25.0]	1.18 [30.0]	Front	screws **not** included	13 lbf (58 N)
241-150						Concealed	10-24 thread, screws **not** included	
241-155						Concealed	SS thread-forming screws included	

medium

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Mount	Mounting Hardware	Clamping Force
241-200	2.83± .1 [72.0 ± 3.2]	6.62 [165.5]	1.81 [46.0]	1.25 [31.75]	1.10 [28.0]	Front	screws **not** included	30 lbf (133 N)
241-250						Concealed	10-24 thread, screws **not** included	
241-255						Concealed	SS thread-forming screws included	

large

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Mount	Mounting Hardware	Clamping Force
241-300	4.61± .1 [117.0 ± 3.2]	8.66 [220.0]	1.81 [46.0]	1.25 [31.75]	1.10 [28.0]	Front	screws **not** included	25 lbf (111 N)
241-350						Concealed	10-24 thread, screws **not** included	
241-355						Concealed	SS thread-forming screws included	

Features/Highlights

- Flammability rating: UL94-HB
- Black thermoplastic elastomer handle
- Black glass reinforced nylon keeper and bracket
- UV-Resistant
- Non-corrosive, non-conductive
- Absorbs and reduces vibration
- Adapts well to alignment irregularities

application

MATERIAL: EPDM, GF Nylon **FINISH**: Black, UV Stable

Global Headquarters
4041 Via Oro Ave.
Long Beach, CA 90810

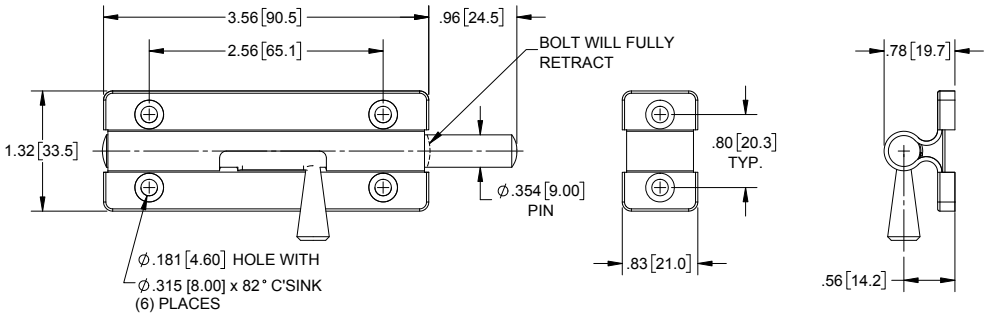
Distribution Centers
Los Angeles
Dallas • Chicago

CONTACT A SPEP SALES REP FOR MORE INFO
888.444.6437 info@spep-marketing.com

Spring Loaded Bolt Latch

Part Number	Material	Finish
168SS-L	304SS	electro-polished
168SS-K	304SS	electro-polished

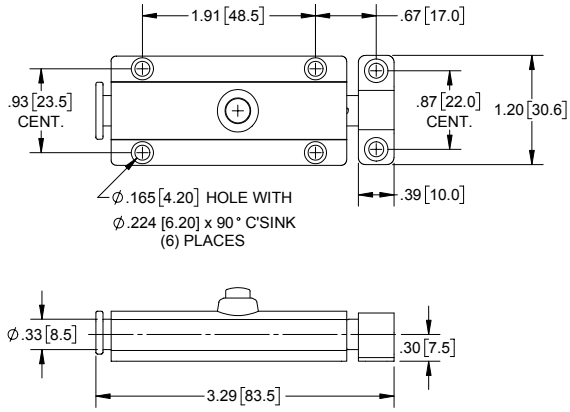
- latch and keeper are sold separately



Spring Loaded Bolt Latch

Part Number	Material	Finish
2022CH	die cast zinc	chrome plated

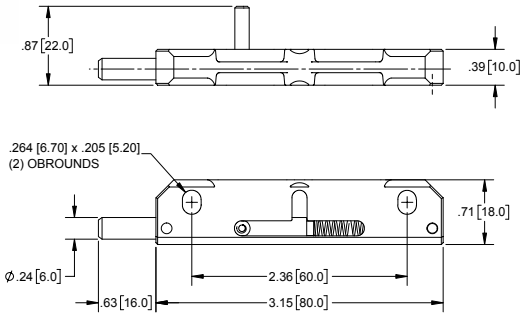
- spring loaded pin



Spring Loaded Bolt Latches

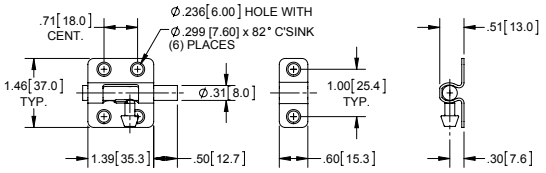
Part Number	Housing		Bolt & Components		Description
	Material	Finish	Material	Finish	
1128LH	die cast zinc	nickel plated	304SS	passivated	left hand
1128RH	die cast zinc	nickel plated	304SS	passivated	right hand

- bolt end is flush to housing surface when fully retracted



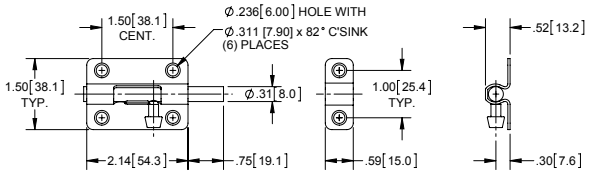
Mini Barrel Bolt Latches

Part Number	Material Thickness	Material	Finish
164HZ	.047 [1.19]	steel	zinc plated



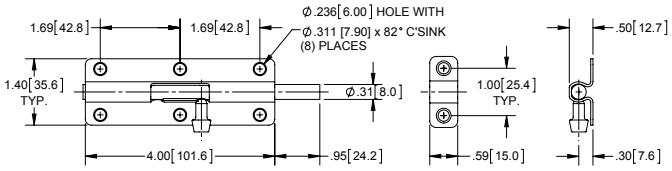
Small Standard Latch

Part Number	Material Thickness	Material	Finish
165HZ	.047 [1.19]	steel	zinc plated



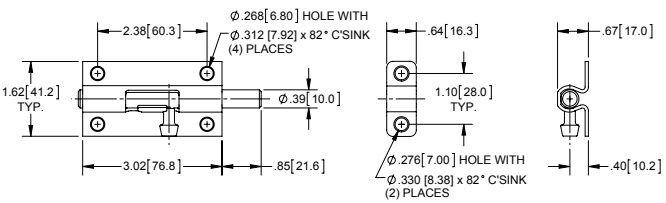
Large Standard Latch

Part Number	Material Thickness	Material	Finish
167HZ	.047 [1.19]	steel	zinc plated



Heavy Duty Latch

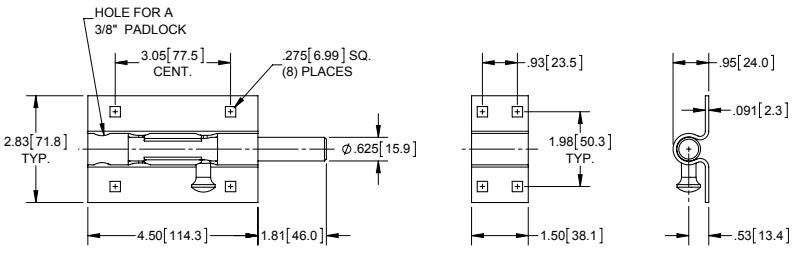
Part Number	Material Thickness	Material	Finish
169HZ	.071 [1.80]	steel	zinc plated



Heavy Duty Padlocking Barrel Bolt Latches

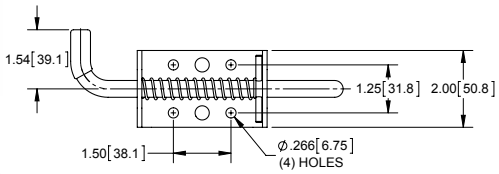
Part Number	Material	Finish
163-L	steel	zinc plated
163-K	steel	zinc plated

- latch and keeper are sold separately

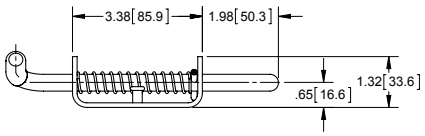


Bolt Latches with Stop Pin

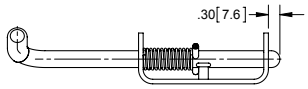
right hand



left hand



EXTENDED BOLT

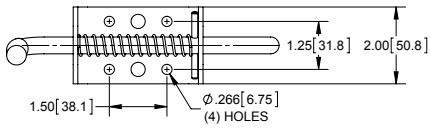


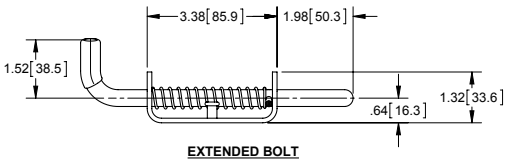
RETRACTED BOLT

Part Number	Description	Material	Finish
1182SS	right hand	304SS	electropolished
1182ZN	right hand	steel	zinc plated
1183SS	left hand	304SS	electropolished
1183ZN	left hand	steel	zinc plated

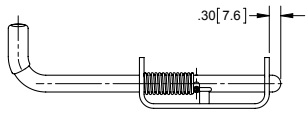
- Ø .438 [11.13] bolt
- black PVC rubber grip

Bolt Latch with Stop Pin





EXTENDED BOLT

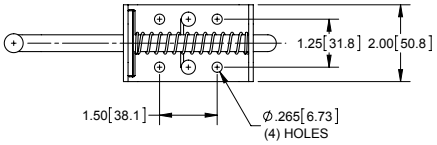


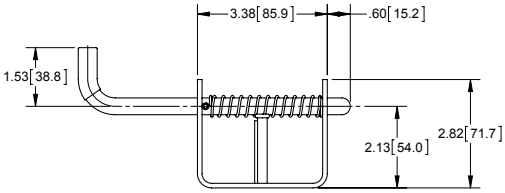
RETRACTED BOLT

Part Number	Material	Finish
1182SS-01	304SS	electropolished

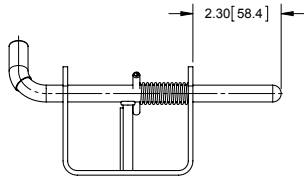
- Ø .438 [11.13] bolt
- black PVC rubber grip
- bidirectional

Bolt Latch with Stop Pin





EXTRACTED BOLT



EXTENDED BOLT

Part Number	Material	Finish
1142ZN	steel	zinc plated

- Ø .438 [11.13] bolt
- black PVC rubber grip
- bidirectional

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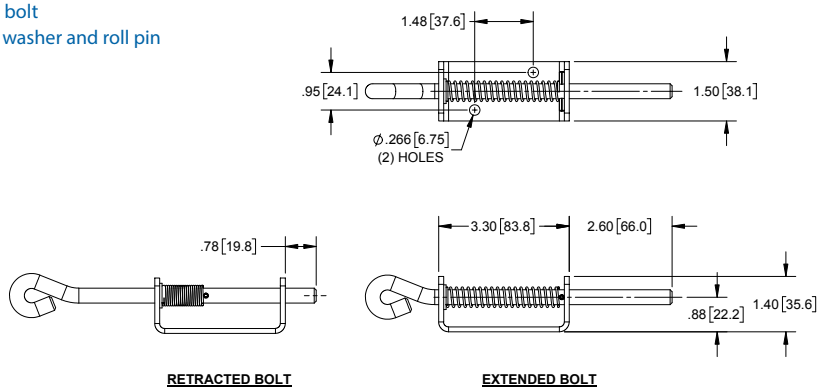
Aluminum Bolt Latch

Part Number	Material	Finish
1184A-02	aluminum	mill

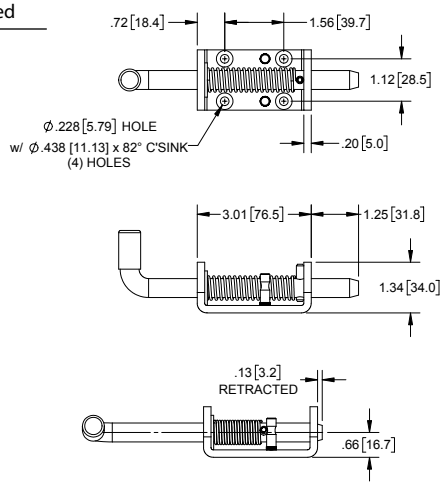
- Ø .3750 [9.53] bolt
- 304SS spring, washer and roll pin



Bolt Latch with Stop Pin

Part Number	Material	Finish
11832ZN-03	steel	zinc plated

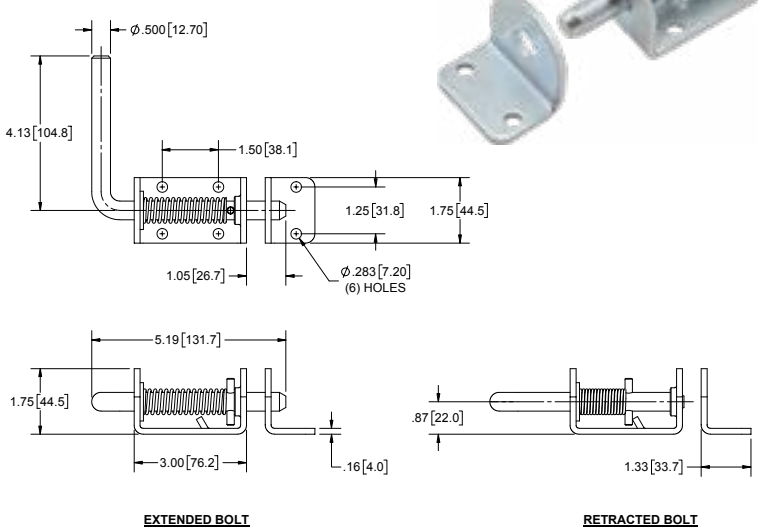
- red PVC rubber grip
- Ø .500 [12.70] bolt



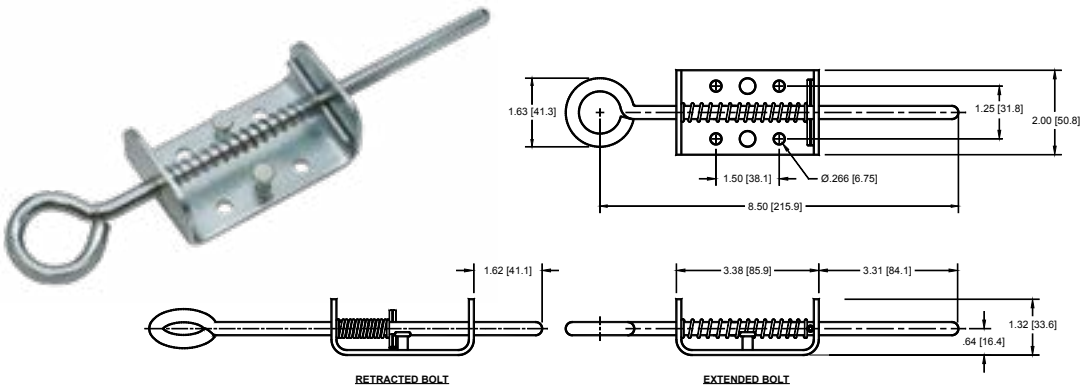
Bolt Latch with Keeper

Part Number	Material	Finish	Description
1261ZN	steel	zinc plated	latch & keeper
1261ZN-01	steel	zinc plated	latch **only**
NEW **1261SS**	304SS	passivated	latch & keeper

- Ø .500 [12.70] steel bolt



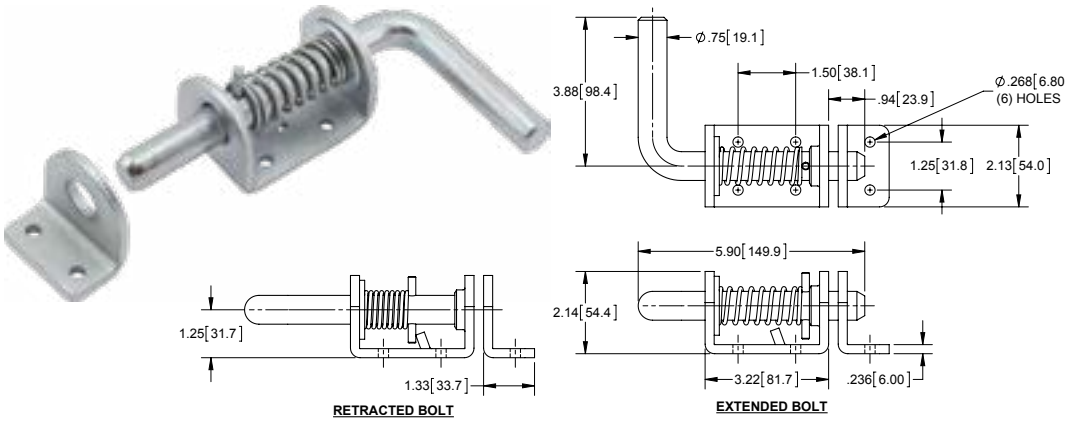
Bolt Latch with Stop Pin



Part Number	Material	Finish
1184ZN	steel	zinc plated

- Ø.313 [7.95] bolt

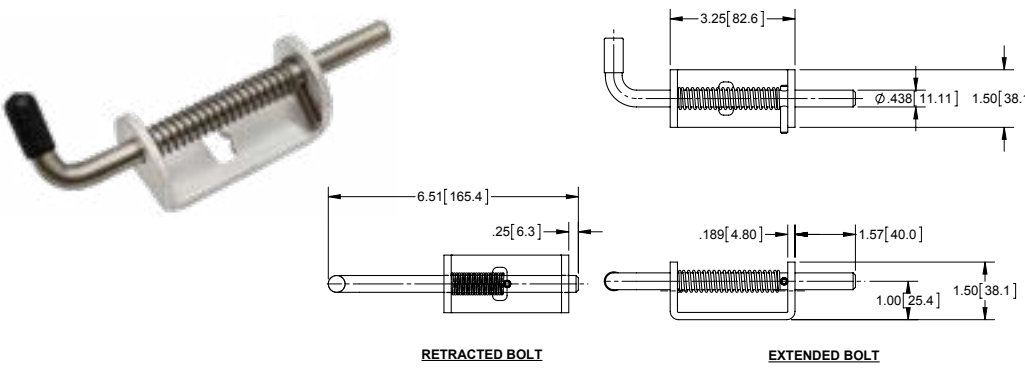
Bolt Latch with Keeper



Part Number	Material	Finish
1260ZN	steel	zinc plated

- Ø.750 [19.05] steel bolt

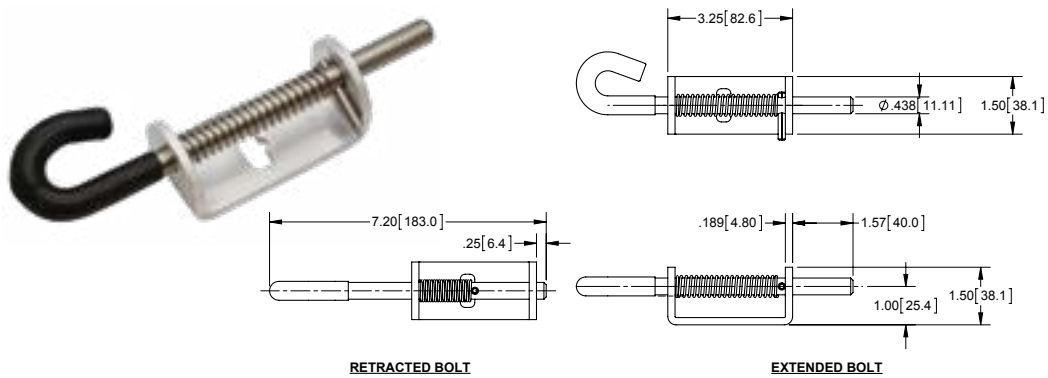
Aluminum Bolt Latch with Stop Pin



Part Number	Material	Finish
1181A	aluminum	mill

- Ø.438 [11.13] 304SS bolt

Aluminum Bolt Latch with Hook Pull and Stop Pin



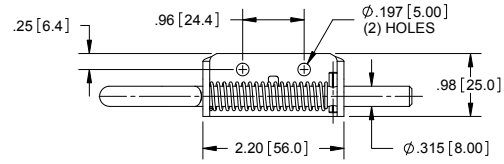
Part Number	Material	Finish
1181A-01	aluminum	mill

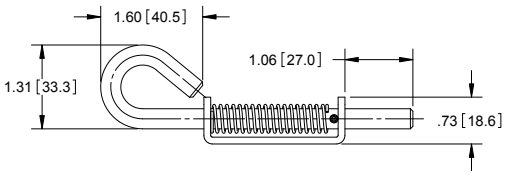
- Ø.438 [11.13] 304SS bolt

Aluminum Bolt Latches with Hook Pull and Stop Pin

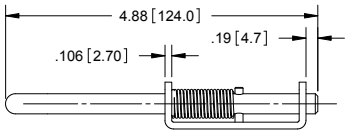
Part Number	Description	Material	Finish
1181A-11RH	right hand	aluminum	mill
1181A-11LH	left hand	aluminum	mill

- Ø.315 [8.00] 304SS bolt





EXTENDED BOLT

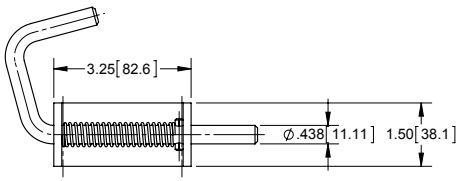


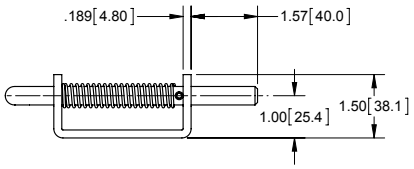
RETRACTED BOLT

Aluminum Bolt Latch

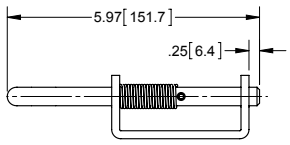
Part Number	Material	Finish
1181A-02	aluminum	mill

- Ø.438 [11.13] 304SS bolt





EXTENDED BOLT

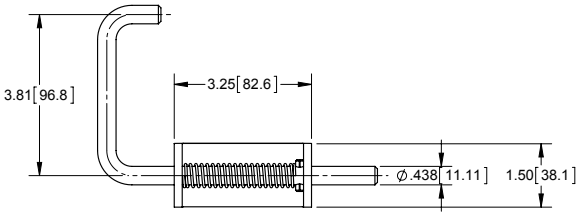


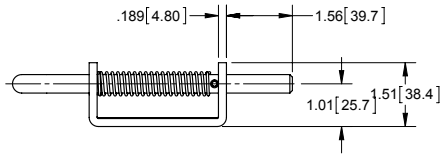
RETRACTED BOLT

Aluminum Bolt Latch

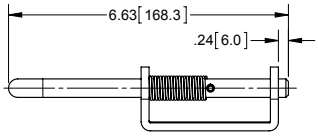
Part Number	Material	Finish
1181A-03	aluminum	mill

- Ø.438 [11.13] 304SS bolt





EXTENDED BOLT



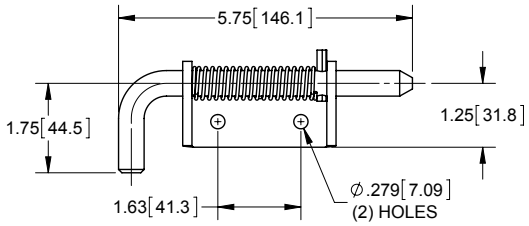
RETRACTED BOLT

Spring Loaded Bolt Latches with Stop Pin

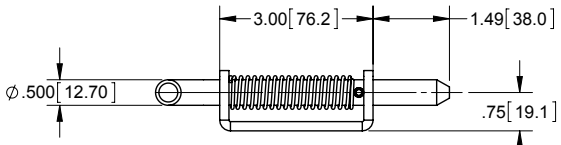
Part Number	Description	Material	Finish
1178SS-RH01	right hand	304SS	tumbled
1178SS-LH01	left hand	304SS	tumbled

right hand

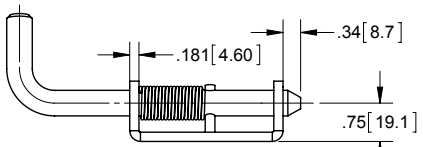
left hand



TOP VIEW



EXTENDED BOLT



RETRACTED BOLT

Spring Loaded Bolt Latches

Part Number	Description	Installation
1185SS-RH	without stop pin	right hand
1185SS-LH	without stop pin	left hand
1185SS-RH01	with stop pin	right hand
1185SS-LH01	with stop pin	left hand

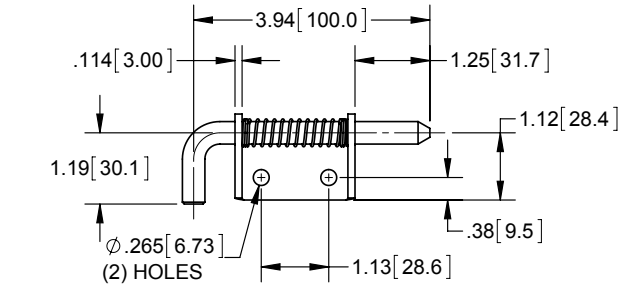
- material: 304SS
- finish: tumbled

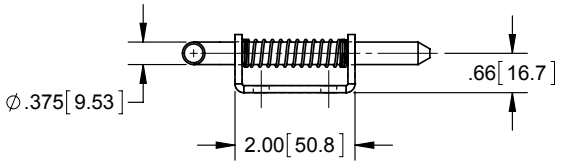
1185SS-RH

1185SS-LH

1185SS-RH01

1185SS-LH01





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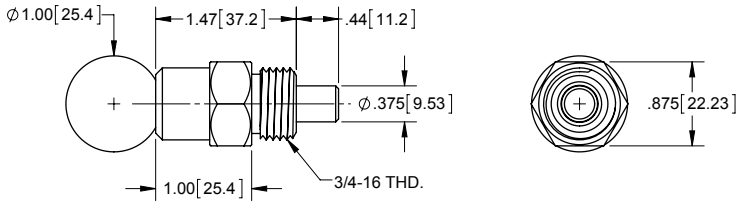
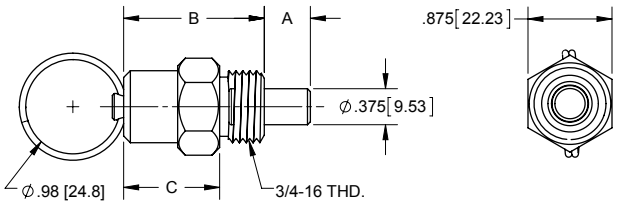
Spring Loaded Pull Action .44" Pin Latch

Part Number	Material
1187-01	aluminum body, 304SS pin and plastic knob



Spring Loaded Pull Action Pin Latch

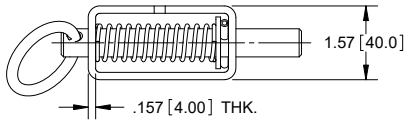
Part Number	Dim. A	Dim B	Dim. C	Material
1187	.48 [12.2]	1.47 [37.3]	1.00 [25.4]	aluminum body, 304SS pin and ring
1188	.97 [24.6]	1.47 [37.3]	1.00 [25.4]	
1189	.72 [18.3]	1.71 [43.4]	1.25 [31.8]	



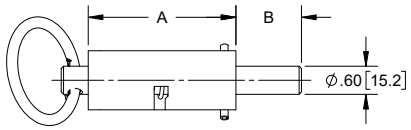
Bolt Latch with Pull Ring

Part Number	Dim A	Dim B	Dim C	Dim D
1159	3.15 [80.0]	1.40 [35.5]	5.13 [130.2]	.12 [3.0]
1159-03	2.00 [50.8]	.85 [21.5]	3.41 [86.5]	.20 [5.0]

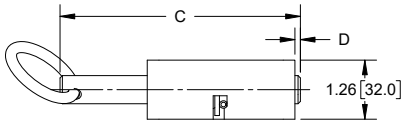
- steel with zinc plated finish
- Ø.600 [15.24] steel bolt



TOP VIEW



FRONT VIEW
LATCHED



FRONT VIEW
UNLATCHED

part no.**1159**
unlatched

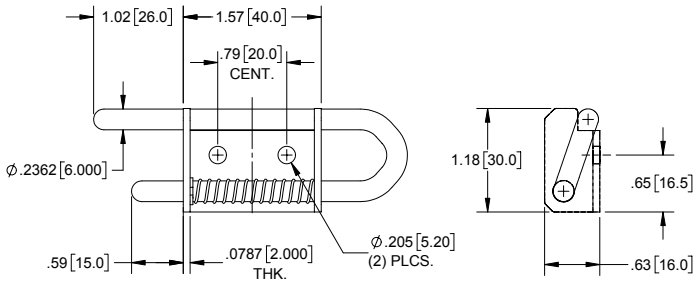
part no.**1159-03**
unlatched

part no.**1159**
latched

part no.**1159-03**
latched

Spring Loaded U-Bolt Latch

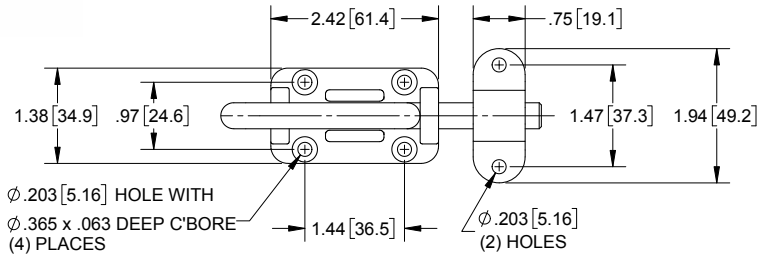
Part No.	Material	Finish
1133	steel	zinc plated

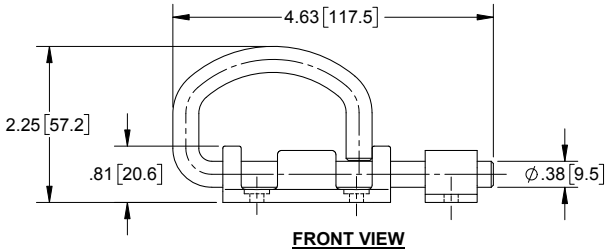


Loop Handle Latch

Part Number	Guide Material Thickness	Finish
1445	.118 [3.00]	zinc plated

- steel handle and keeper
- die cast zinc base





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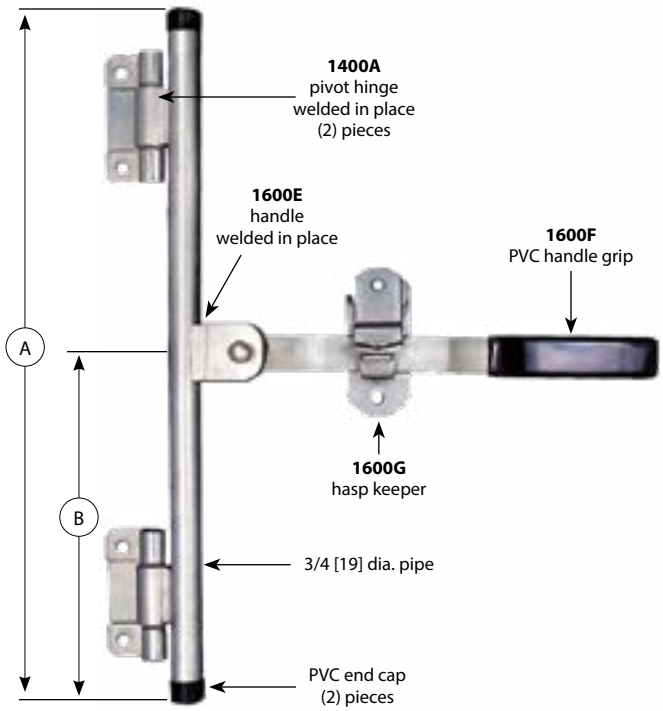
1420 Series Steel Bar Lock Assembly

Part Number	Description	Finish	Dim. A	Dim. B
1420-02	welded bar lock assembly	zinc plated	45.0 [1,143]	22.5 [572]
1420-03	welded bar lock assembly	zinc plated	48.0 [1,219]	24.0 [610]

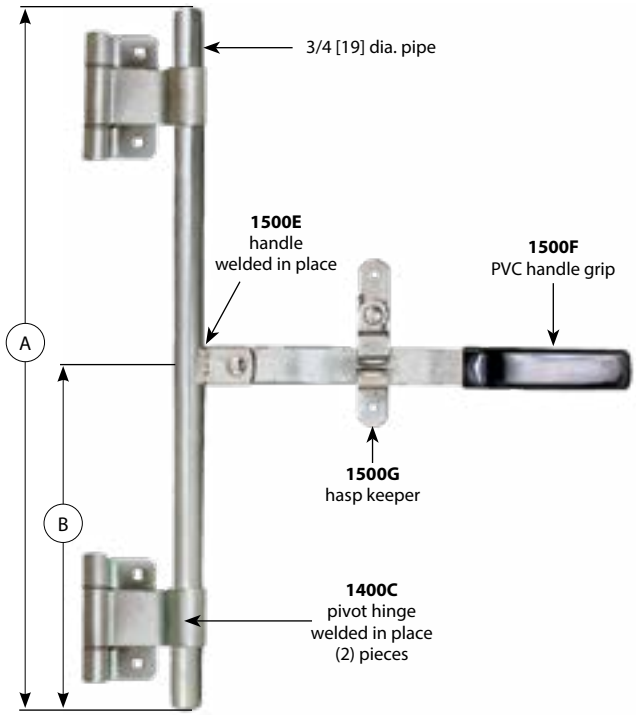
- includes:
  - welded bar lock assembly
  - hasp keeper, **1600G**
  - PVC handle grip, **1600F**
  - PVC end caps, (2) pieces
- pivot hinges and handle are welded to pipe



1430 Series Steel Bar Lock Assembly

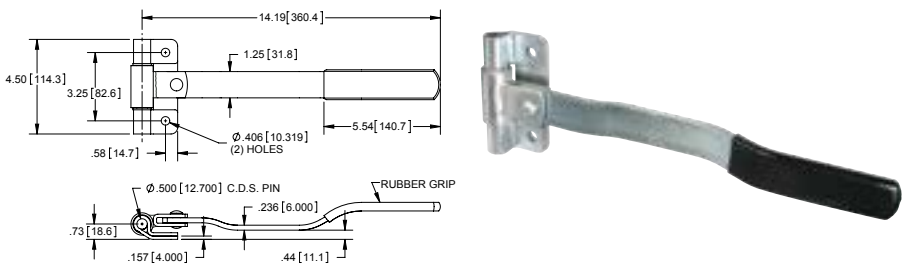
Part Number	Description	Finish	Dim. A	Dim. B
1430-01	welded bar lock assembly	zinc plated	36.0 [914]	18.0 [457]
1430-02	welded bar lock assembly	zinc plated	45.0 [1,143]	22.5 [572]
1430-04	welded bar lock assembly	zinc plated	45.0 [1,143]	33.4 [848]

- includes:
  - welded bar lock assembly
  - hasp keeper, **1500G**
  - PVC handle grip, **1500F**
- pivot hinges and handle are welded to pipe
- optional vinyl cap, **1400B**



Pivot Hinge Handle

Part Number	Material	Finish
1500-01	steel	zinc plated



1400 Series Economy Cam Action Side Door Lock

Economy Kits with Fixed Pin Pivot Hinge

part number 1400-112B shipped in bulk
part number 1400-112P shipped in polybag

Item	Component Part No.	Description	Finish	Qty.
1	**1400A**	pivot hinge with fixed pin	zinc plated	2
2	**1500E**	handle without grip	zinc plated	1
3	**1500F**	PVC handle grip	black	1
4	**1500G**	hasp keeper	zinc plated	1

Economy Kits with Removable Pin Pivot Hinge

part number 1400-212B shipped in bulk
part number 1400-212P shipped in polybag

Item	Component Part No.	Description	Finish	Qty.
1	**1400A-01**	pivot hinge with removable pin	zinc plated	2
2	**1500E**	handle without grip	zinc plated	1
3	**1500F**	PVC handle grip	black	1
4	**1500G**	hasp keeper	zinc plated	1

Heavy Duty Kits with Fixed Pin Pivot Hinge

part number 1400-142B shipped in bulk
part number 1400-142P shipped in polybag

Item	Component Part No.	Description	Finish	Qty.
1	**1400A**	pivot hinge with fixed pin	zinc plated	2
2	**1600E**	heavy duty handle without grip	zinc plated	1
3	**1600F**	PVC handle grip	black	1
4	**1600G**	hasp keeper	zinc plated	1

Heavy Duty Kits with Removable Pin Pivot Hinge

part number 1400-242B shipped in bulk
part number 1400-242P shipped in polybag

Item	Component Part No.	Description	Finish	Qty.
1	**1400A-01**	pivot hinge with removable pin	zinc plated	2
2	**1600E**	heavy duty handle without grip	zinc plated	1
3	**1600F**	PVC handle grip	black	1
4	**1600G**	hasp keeper	zinc plated	1

Economy Kit Shown

- components may be purchased separately

Build Your Own Bar Lock Kit

Example Part No.

1400 - 1 3 2 B

- **1400** — base part number
- **1** — pivot hinge option
- **3** — handle & keeper option
- **2** — end cap option
- **B** — packaging option **B** (bulk) **P** (polybagged)

Pivot Hinge Options

Options	Component Part No.	Description	Finish
1	**1400A**	hinge with fixed pin	zinc plated
2	**1400A-01**	hinge with removable pin	zinc plated
3	**1400C**	hinge with fixed pin	zinc plated

Option 1
part no. **1400A**

Option 2
part no. **1400A-01**

Option 3
part no. **1400C**

Handle & Keeper Options

Options	Component Part No.	Description	Finish
1	**1500E & 1500G**	handle & keeper	zinc plated
2	**1500E & 1500G-01**	handle & keeper	zinc plated
3	**1500E & 1500GSS**	handle & stainless steel keeper	zinc plated & electropolished
4	**1600E & 1600G**	heavy duty handle & steel keeper	zinc plated
5	**1600E & 1600GSS**	heavy duty handle & stainless steel keeper	zinc plated & tumbled
6	**1600E & 1600GSS01**	heavy duty handle & stainless steel keeper	zinc plated & electropolished

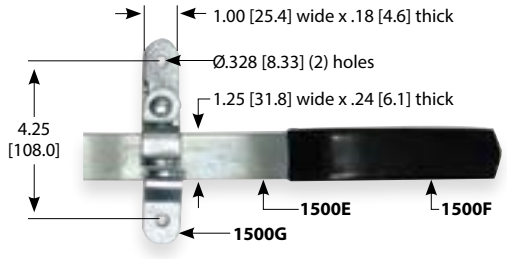
▸ **1500F** and **1600F** grips are included with corresponding handles

Part No. 1400B Vinyl End Cap Options

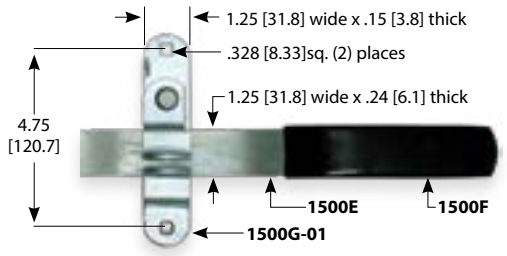
Options	Description
1	end caps included
2	no end caps included

Optional Vinyl Cap
part no. **1400B**

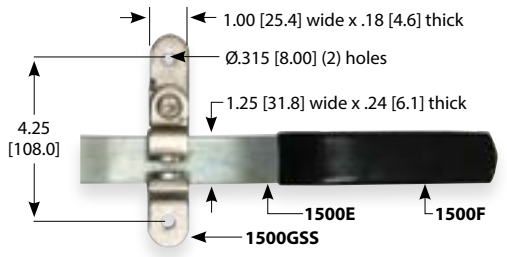
Option 1



Option 2



Option 3



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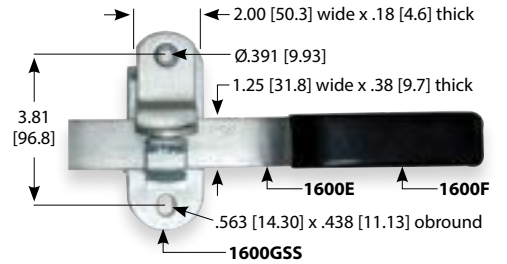

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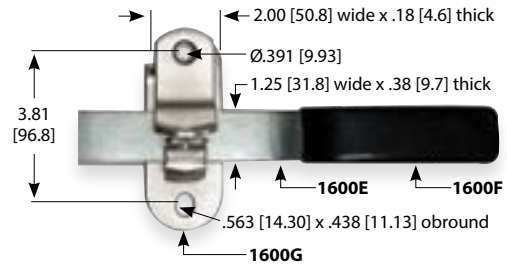
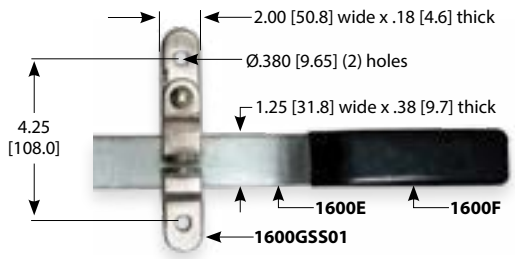


Option 6



1500 Series Economy Two Point Cam Action Bar Locks

Standard Base Keeper Kits

part number 1500-111B shipped in bulk
part number 1500-111P shipped in polybag

Item	Component Part No.	Description	Finish	Qty.
1	**1500A**	top keeper	zinc plated	1
2	**1500B**	bottom keeper	zinc plated	1
3	**1500C**	top lug	zinc plated	1
4	**1500D**	bottom lug	zinc plated	1
5	**1500E**	handle without grip	zinc plated	1
6	**1500F**	PVC handle grip	black	1
7	**1500G**	hasp keeper	zinc plated	1
8	**1500H**	top pipe holder	zinc plated	4
9	**1500I**	bottom pipe holder	zinc plated	4

- components may be purchased separately

Standard Base Keeper Kits

part number 1500-111BM shipped in bulk, mill
part number 1500-111PM shipped in polybag, mill

Item	Component Part No.	Description	Finish	Qty.
1	**1500A-M**	top keeper	mill	1
2	**1500B-M**	bottom keeper	mill	1
3	**1500C-M**	top lug	mill	1
4	**1500D-M**	bottom lug	mill	1
5	**1500E-M**	handle without grip	mill	1
6	**1500F**	PVC handle grip	black	1
7	**1500G-M**	hasp keeper	mill	1
8	**1500H**	top pipe holder	zinc plated	4
9	**1500I**	bottom pipe holder	zinc plated	4

- components may be purchased separately

standard base keeper

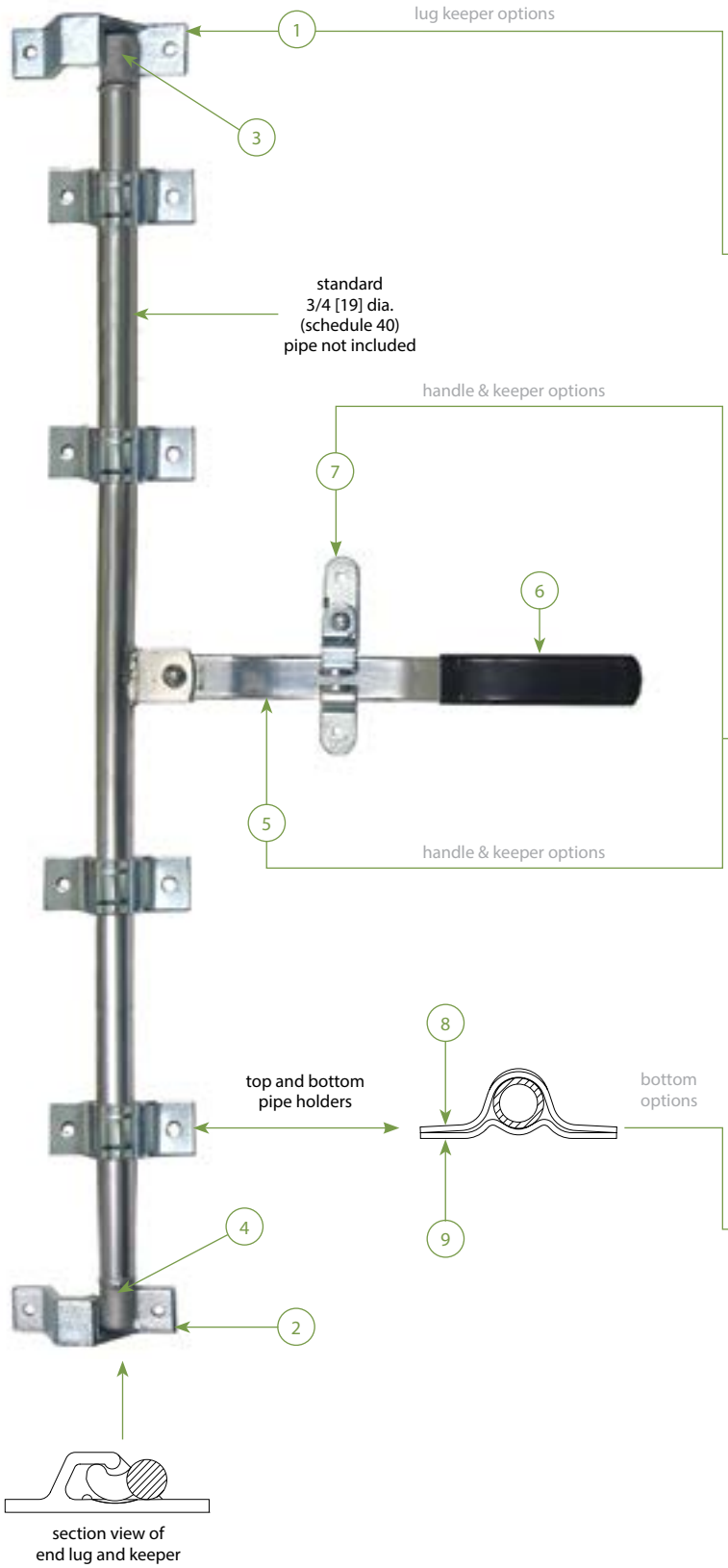
solid base keeper

Solid Base Keeper Kits

part number 1500-211B shipped in bulk
part number 1500-211P shipped in polybag

Item	Component Part No.	Description	Finish	Qty.
1	**1500A-01**	top keeper •	zinc plated	1
2	**1500B-01**	bottom keeper •	zinc plated	1
3	**1500C**	top lug	zinc plated	1
4	**1500D**	bottom lug	zinc plated	1
5	**1500E**	handle without grip	zinc plated	1
6	**1500F**	PVC handle grip	black	1
7	**1500G**	hasp keeper	zinc plated	1
8	**1500H**	top pipe holder	zinc plated	4
9	**1500I**	bottom pipe holder	zinc plated	4

- components may be purchased separately
- • these kits have newly designed keepers with added material at their base for increased strength and durability



Download 3D MODELS @ www.spep.com

Build Your Own Bar Lock Kit

Example Part No.

1500 - 1 3 2 B

- **1500** base part number includes:
  - **1500C** top lug (1pc.)
  - **1500D** bottom lug (1pc.)
  - **1500H** top pipe holders (4pcs.)
  - **1500F** or **1600F** grip (1pc.)
- **1** lug keeper option
- **3** handle & keeper option
- **2** bottom pipe holder option
- **B** packaging option (bulk) **P** (polybagged)

Lug Keeper Options

Options	Component Part No.	Description	Finish
1	**1500A & 1500B**	standard base top & bottom keeper	zinc plated
2	**1500A-01 & 1500B-01**	solid base top & bottom keepers	zinc plated
3	**500A-M & 1500B-M**	standard base top & bottom keeper	mill

Options 1&2: Standard Base
part no. **1500A** - top
part no. **1500A-M** - top
part no. **1500B** - bottom
part no. **1500B-M** - bottom

Option 3: Solid Base
part no. **1500A-01** - top
part no. **1500B-01** - bottom

Handle & Keeper Options

Options	Component Part. No.	Description	Finish
1	**1500E & 1500G**	handle & keeper	zinc plated
2	**1500E & 1500G-01**	handle & keeper	zinc plated
3	**1500E & 1500GSS**	handle & 304SS keeper	zinc plated & electropolished
4	**1600E & 1600G**	heavy handle & keeper	zinc plated
5	**1600E & 1600GSS**	heavy handle & 304SS keeper	zinc plated & tumbled
6	**1600E & 1600GSS01**	heavy handle & 304SS keeper	zinc plated & electropolished
7	**1500E-M & 1500G-M**	handle & keeper	mill

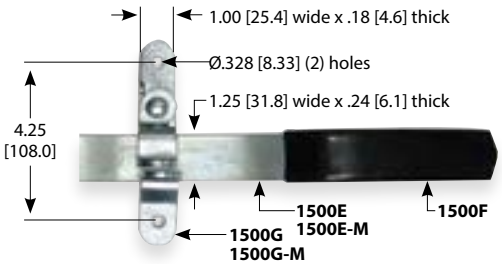
Bottom Pipe Holder Options

Options	Component Part. No.	Description	Finish
1	**1500I**	steel bottom holder	zinc plated
2	**1500IP**	thermoplastic bottom holder (stackable)	gray

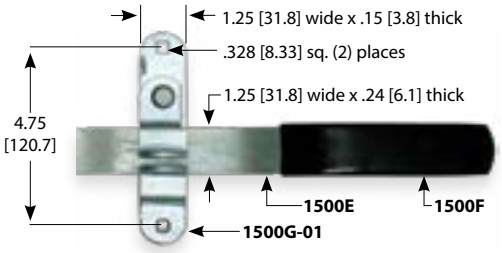
Option 1: Steel Base
part no. **1500I**

Option 2: Plastic Base
part no. **1500IP**

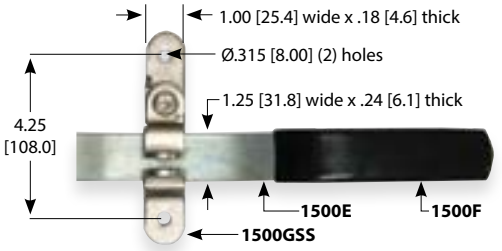
Option 1
Option 7 (mill finish)



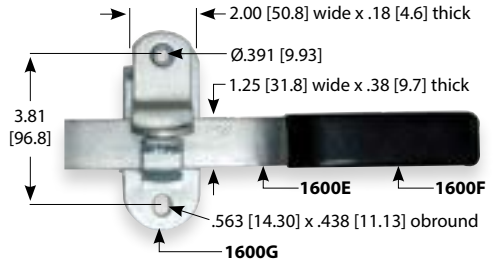
Option 2



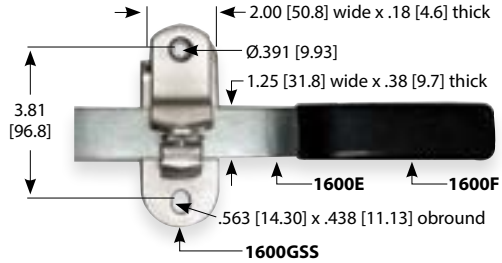
Option 3



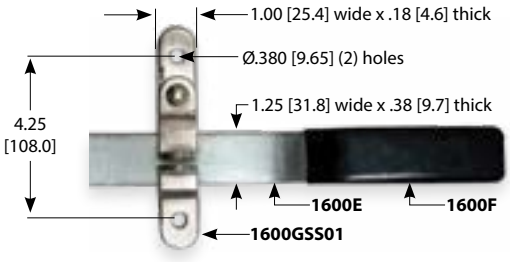
Option 4



Option 5



Option 6



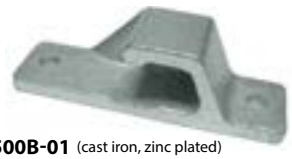
Bar Lock Accessories

1500A-01 (cast iron, zinc plated)

1500A (cast iron, zinc plated)
1500A-M (cast iron, mill)
NEW **1500A-10M** (cast steel, mill & **no** mounting holes)

1500A-06M (cast iron, mill)

NEW **1500A-16M** (cast steel, mill)



1500B-01 (cast iron, zinc plated)

1500B (cast iron, zinc plated)
1500B-M (cast iron, mill)
NEW **1500B-10M** (cast steel, mill & **no** mounting holes)

1500B-06M (cast iron, mill)

NEW **1500B-16M** (cast steel, mill)

1500D (cast iron, zinc plated)
1500D-M (cast iron, mill)
1500D-M01* (cast steel, mill)
▸ *for schedule 80 3/4" pipe

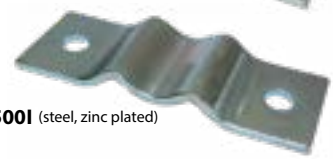
1500C (cast iron, zinc plated)
1500C-M (cast iron, mill)
1500C-M01* (cast steel, mill)
▸ *for schedule 80 3/4" pipe

1500F (PVC, black)

1500E (steel, zinc plated)
1500E-M (steel, mill)

1600F (PVC, black)

1500H (steel, zinc plated)



1500I (steel, zinc plated)

1600E (steel, zinc plated)

1400B (PVC, black)

1500IP (plastic, gray)

H3-03 (steel, zinc plated)
H3-03A (aluminum, mill)
H3-03SS (304SS, mill)

1400A (steel, zinc plated)

1400A-01 (steel, zinc plated)

1400C (steel, zinc plated)

1500G (steel, zinc plated)
1500G-M (steel, mill)

1500G-01 (steel, zinc plated)

1600GSS01 (304SS, electropolished)

1500GSS (304SS, electropolished)

1600GSS (304SS, tumbled)

1600G (steel, zinc plated)
1600G-01M (steel, mill)

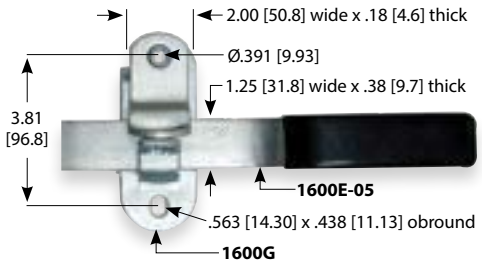
1500 Series Two Point Locks For Maximum Extension

Kit With Wide, Steel Keeper

part number 1500-500B shipped in bulk
part number 1500-500P shipped in polybag

Component Part No.	Description	Finish	Qty.
1500A-05	narrow top keeper	zinc plated	1
1500B-05	narrow bottom keeper	zinc plated	1
1500C-05	long top lug	zinc plated	1
1500D-05	long bottom lug	zinc plated	1
1600E-05	heavy duty handle with grip	zinc plated	1
1600G	hasp keeper	zinc plated	1
1500H-05	top pipe holder	zinc plated	4
1500I-05	bottom pipe holder	zinc plated	4

components may be purchased separately

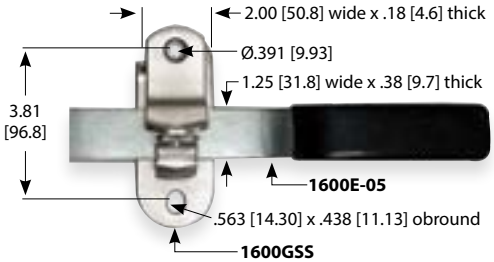


Kit With Wide, 304SS Keeper

part number 1500-501B shipped in bulk
part number 1500-501P shipped in polybag

Component Part No.	Description	Finish	Qty.
1500A-05	narrow top keeper	zinc plated	1
1500B-05	narrow bottom keeper	zinc plated	1
1500C-05	long top lug	zinc plated	1
1500D-05	long bottom lug	zinc plated	1
1600E-05	heavy duty handle with grip	zinc plated	1
1600GSS	304SS hasp keeper	tumbled	1
1500H-05	top pipe holder	zinc plated	4
1500I-05	bottom pipe holder	zinc plated	4

components may be purchased separately

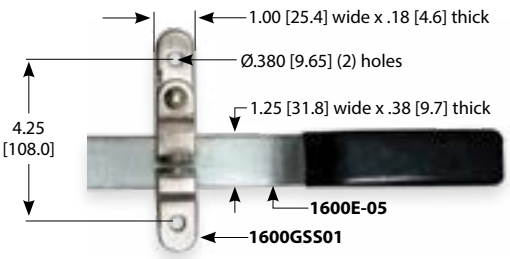


Kit With Narrow, 304SS Keeper

part number 1500-502B shipped in bulk
part number 1500-502P shipped in polybag

Component Part No.	Description	Finish	Qty.
1500A-05	narrow top keeper	zinc plated	1
1500B-05	narrow bottom keeper	zinc plated	1
1500C-05	long top lug	zinc plated	1
1500D-05	long bottom lug	zinc plated	1
1600E-05	heavy duty handle with grip	zinc plated	1
1600GSS01	304SS hasp keeper	tumbled	1
1500H-05	top pipe holder	zinc plated	4
1500I-05	bottom pipe holder	zinc plated	4

components may be purchased separately



1600E-05 (steel, zinc plated)
can only be used with "-05" series

1500C-05 (cast iron, zinc plated)

1500D-05 (cast iron, zinc plated)

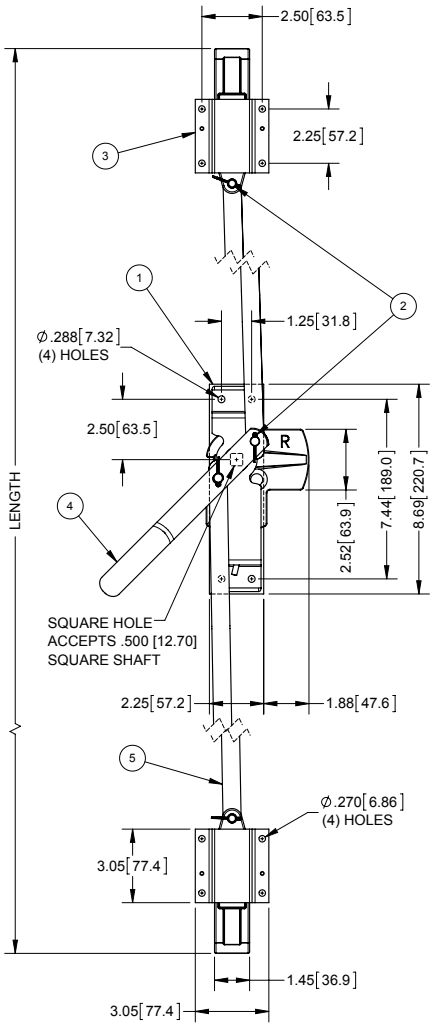
1500B-05 (cast iron, zinc plated)

1500A-05 (cast iron, zinc plated)

1500H-05 (steel, zinc plated)

1500I-05 (steel, zinc plated)

Heavy Duty Three Point Door Latches for 1/2" Sq. Shaft



Features

- three point center case allows the inside handle to override the outside handle, even if the outside handle is locked or jammed (used with handles that have a 180° or 360° rotation only)
- all parts are zinc plated
- accepts handles with .500 [12.70] sq. shaft. (refer to handles on pages 40-55)
- each part number may be ordered separately
- other rod lengths available
- * available in 316SS as a kit — part no. **731SS** (kit includes: center case, hardware kit & inside handle)
- ** available in 316SS and in different lengths

Lock with 33.25 [844.6] Connecting Rods

Part No. 730-01 - length: 73.1 [1,857] - 76.2 [1,936]

Item	Component Part No.	Description
1	**730***	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
4	**736***	inside release handle
5	**737****	(2) 33.25 [844.6] connecting rods

Lock with 48.00 [1,219.2] Connecting Rods

Part No. 730-02 - length: 102.6 [2,606] - 105.7 [2,685]

Item	Component Part No.	Description
1	**730***	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
4	**736***	inside release handle
5	**739****	(2) 48 [1,219] connecting rods

Lock with 43.88 [1,114.6] Connecting Rods

Part No. 730-03 - length: 94.4 [2,398] - 97.5 [2,477]

Item	Component Part No.	Description
1	**730***	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
4	**736***	inside release handle
5	**740****	(2) 43.88 [1,114.6] connecting rods

Lock with 36.00 [914.4] Connecting Rods

Part No. 730-04 - length: 78.6 [1,996] - 81.7 [2,075]

Item	Component Part No.	Description
1	**730***	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
4	**736***	inside release handle
5	**738****	(2) 36 [914] connecting rods

Lock with 36.00 [914.4] Connecting Rods - No Inside Release Handle

Part No. 730-08 - length: 78.6 [1,996] - 81.7 [2,075]

Item	Component Part No.	Description
1	**730***	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
5	**738****	(2) 36 [914] connecting rods

Striker Plate

Part No.	J3079SS

Dimensions

6.23" L x .88" W x .125" thick [158.2L x 22.4W x 3.18 thick]

- material: 316SS

Rod Guide

Part No.	714SS

Dimensions

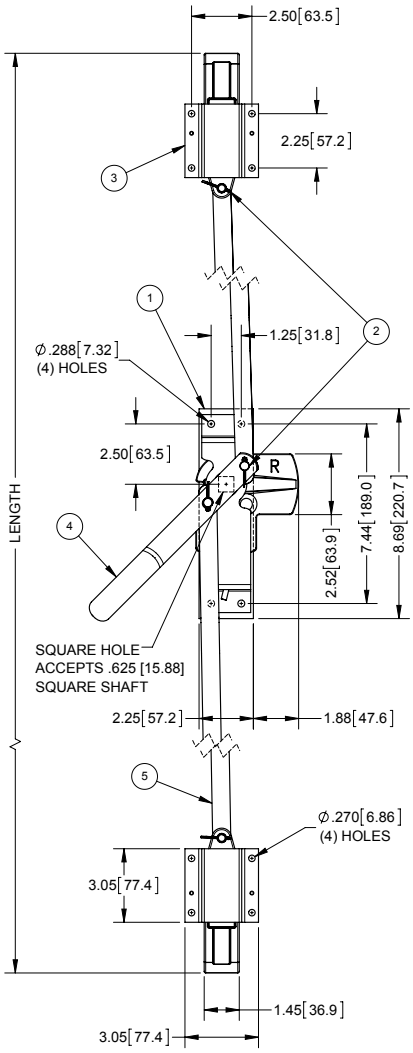
.88" H x 3.00" W x .94" thick [22.4H x 76.2W x 2.39 thick]

- material: 316SS

Heavy Duty Three Point Door Latches for 5/8" Sq. Shaft

Features

- three point center case allows the inside handle to override the outside handle, even if the outside handle is locked or jammed (used with handles that have a 180° or 360° rotation only)
- all parts are zinc plated
- accepts handles with .625 [15.88] sq. shaft. (refer to handles on pages 40-55)
- each part number may be ordered separately
- other rod lengths available
- * available in 316SS as a kit — part no. **731SS** (kit includes: center case, hardware kit & inside handle)
- ** available in 316SS and in different lengths



Lock with 33.25 [844.6] Connecting Rods

Part No. 729-01 - length: 73.1 [1,857] - 76.2 [1,936]

Item	Component Part No.	Description
1	**729**	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
4	**736***	inside release handle
5	**737****	(2) 33.25 [844.6] connecting rods

Lock with 48.00 [1,219.2] Connecting Rods

Part No. 729-02 - length: 102.6 [2,606] - 105.7 [2,685]

Item	Component Part No.	Description
1	**729**	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
4	**736***	inside release handle
5	**739****	(2) 48 [1,219] connecting rods

Lock with 43.88 [1,114.6] Connecting Rods

Part No. 729-03 - length: 94.4 [2,398] - 97.5 [2,477]

Item	Component Part No.	Description
1	**729**	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
4	**736***	inside release handle
5	**740****	(2) 43.88 [1,114.6] connecting rods

Lock with 36.00 [914.4] Connecting Rods

Part No. 729-04 - length: 78.6 [1,996] - 81.7 [2,075]

Item	Component Part No.	Description
1	**729**	three point center case
2	**732***	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8 [10] flat washers, (2) 3/8 [10] clevis pins
3	**734**	(2) end bolts and housings
4	**736***	inside release handle
5	**738****	(2) 36 [914] connecting rods

Striker Plate

Part No.	J3079SS

Dimensions

6.23" L x .88" W x .125" thick
[158.2L x 22.4W x 3.18 thick]

- material: 316SS

Rod Guide

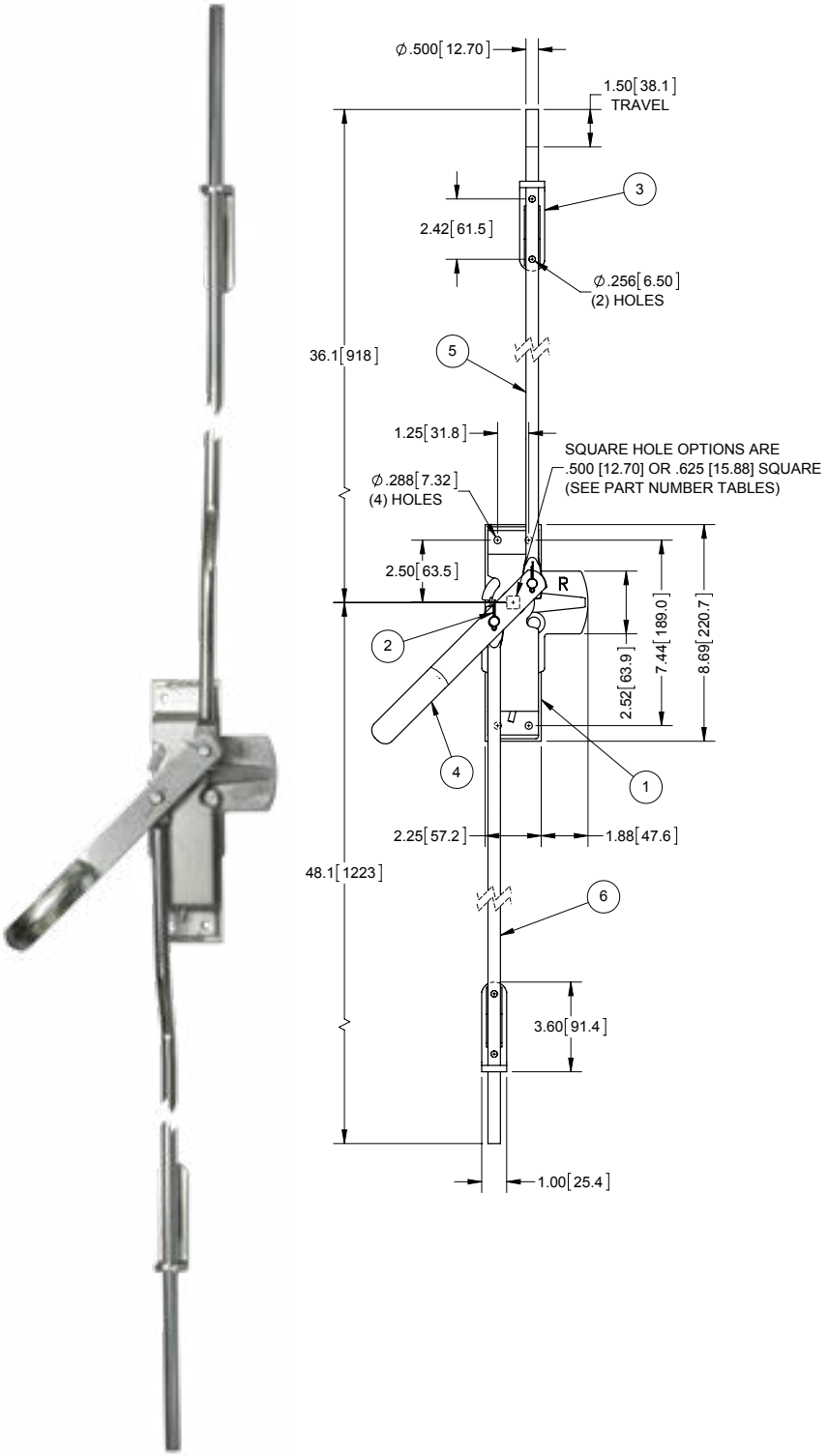
Part No.	714SS

Dimensions

.88" H x 3.00" W x .94" thick
[22.4H x 76.2W x 2.39 thick]

- material: 316SS

Heavy Duty Three Point Door Latches for 1/2" or 5/8" Sq. Shaft



Features

- three point center case allows the inside handle to override the outside handle, even if the outside handle is locked or jammed
  (used with handles that have a 180° or 360° rotation only)
- all parts are zinc plated
- accepts handles with .500 [12.70] or .625 [15.88] sq. shaft. (refer to handles on pages 40-55)
- each part number may be ordered separately

1/2" Sq. Shaft Hole

Part No. 730-10		
Item	**Component Part No.**	**Description**
1	**730**	(1) three point center case with 1/2[13] sq. shaft hole
2	**732**	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8[10] flat washers, (2) 3/8[10] clevis pins
3	**718-02**	(2) spring loaded rod guides
4	**736**	(1) inside release handle
5	**745-36.00**	(1) 36.00 [914.4] x Ø.50 [12.7] connecting rod
6	**745-48.00**	(1) 48.00 [1,219.2] x Ø.50 [12.7] connecting rod

5/8" Sq. Shaft Hole

Part No. 729-10		
Item	**Component Part No.**	**Description**
1	**729**	(1) three point center case with 5/8[16] sq. shaft hole
2	**732**	hardware kit includes: leaf spring, (4) cotter pins, (8) 3/8[10] flat washers, (2) 3/8[10] clevis pins
3	**718-02**	(2) spring loaded rod guides
4	**736**	(1) inside release handle
5	**745-36.00**	(1) 36.00 [914.4] x Ø.50 [12.7] connecting rod
6	**745-48.00**	(1) 48.00 [1,219.2] x Ø.50 [12.7] connecting rod

Striker Plate
part no. **J3079SS**

Dimensions:
6.23"L x .88"W x .125" thick
[158.2L x 22.4W x 3.18 thick]

Material:
316SS

Three Point Door Latches with Ø3/8" Rods and Die Cast Cam

Features
all parts are zinc plated
each part number may be ordered separately
other rod lengths available
no override
refer to handles on pages 40-55

With Dampening Rod Guide

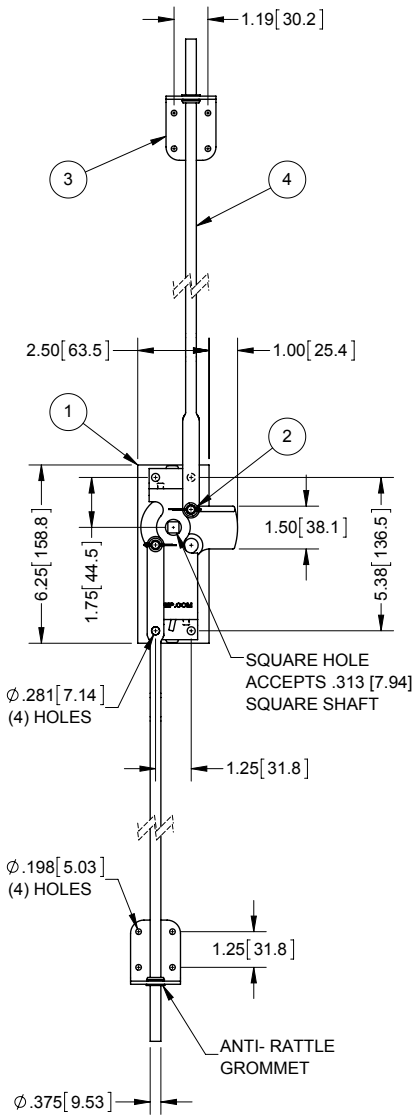
Part No. 716-02		
Item	**Component Part No.**	**Description**
1	**716**	three point center case
2	**717**	hardware kit includes: (2) cotter pins and (2) wave washers
3	**718**	(2) rod guides
4	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods

Dampening Rod Guide
part no. **718**
see page 228

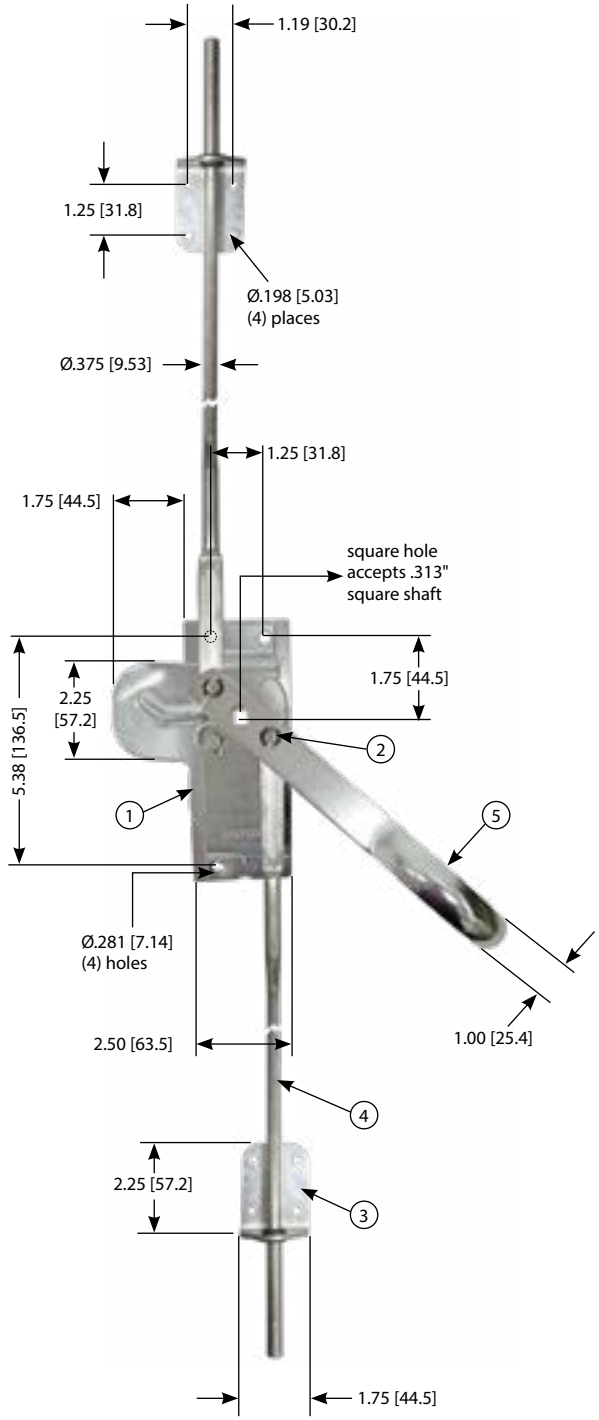
With Spring Loaded Rod Guide

Part No. 716-10		
Item	**Component Part No.**	**Description**
1	**716**	three point center case
2	**717**	hardware kit includes: (2) cotter pins and (2) wave washers
3	**718-01**	(2) spring loaded rod guides
4	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods

Spring Loaded Rod Guide
part no. **718-01**
see page 228



Three Point Door Latches with Ø3/8" Rods and Stamped Cam



Spring Loaded Rod Guide
part no. **718-01**

Dampening Rod Guide
part no. **718**

Features

- three point center case (part no. **716-05**) allows the inside handle to override the outside handle, even if the outside handle is locked or jammed
  (used with handles that have a 180° or 360° rotation only)
- each part number may be ordered separately

With Dampening Rod Guide - No Inside Release

Part No. 716-04		
Item	**Component Part No.**	**Description**
1	**716-01**	three point center case with **no inside release**
2	**717**	hardware kit includes: (2) cotter pins and (2) wave washers
3	**718**	(2) dampening rod guides
4	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods

With Dampening Rod Guide - With Inside Release

Part No. 716-06		
Item	**Component Part No.**	**Description**
1	**716-05**	three point center case **with inside release**
2	**717**	hardware kit includes: (2) cotter pins and (2) wave washers
3	**718**	(2) dampening rod guides
4	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods
5	**736-01**	inside handle

With Spring Loaded Rod Guide - No Inside Release

Part No. 716-11		
Item	**Component Part No.**	**Description**
1	**716-01**	three point center case with **no inside release**
2	**717**	hardware kit includes: (2) cotter pins and (2) wave washers
3	**718-01**	(2) spring loaded rod guides
4	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods

With Spring Loaded Rod Guide - With Inside Release

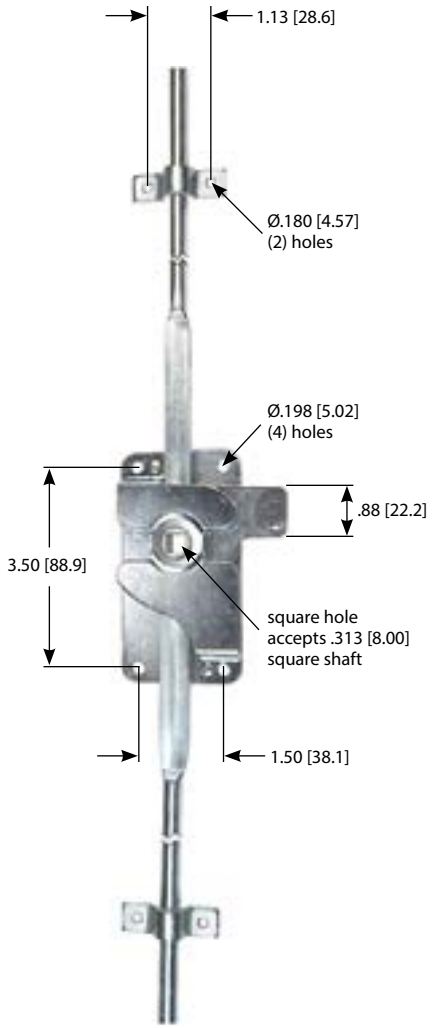
Part No. 716-12		
Item	**Component Part No.**	**Description**
1	**716-05**	three point center case **with inside release**
2	**717**	hardware kit includes: (2) cotter pins and (2) wave washers
3	**718-01**	(2) spring loaded rod guides
4	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods
5	**736-01**	inside handle

Door Latch Sets

3-Point Latch Set with Stamped Cam

Part Number	L or R	Finish
720LH	left hand	zinc plated
720RH	right hand	zinc plated

- (2) Ø.312 [7.92] x 48 [1,219] long steel rods
- (2) steel rod guides included in set
- no override
- see handle selection on pages 40-55

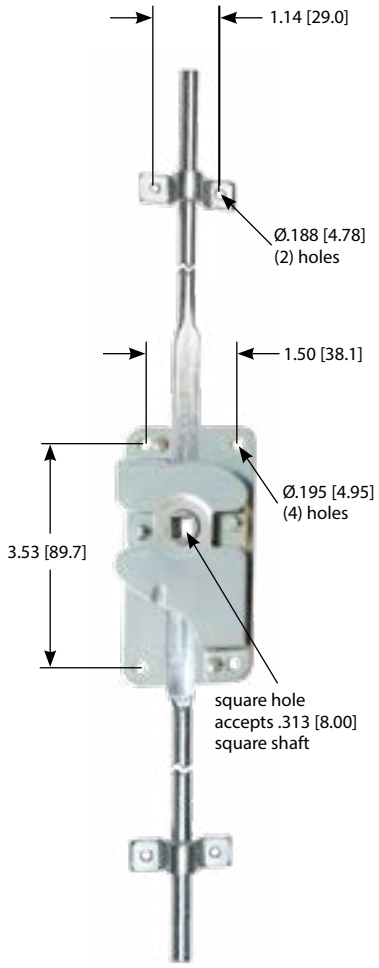


left hand shown

2-Point Latch Set

Part Number	L or R	Finish
720LH-03	left hand	zinc plated
720RH-03	right hand	zinc plated

- (2) Ø.312 [7.92] x 48 [1,219] long steel rods
- (2) steel rod guides included in set
- no override
- see handle selection on pages 40-55

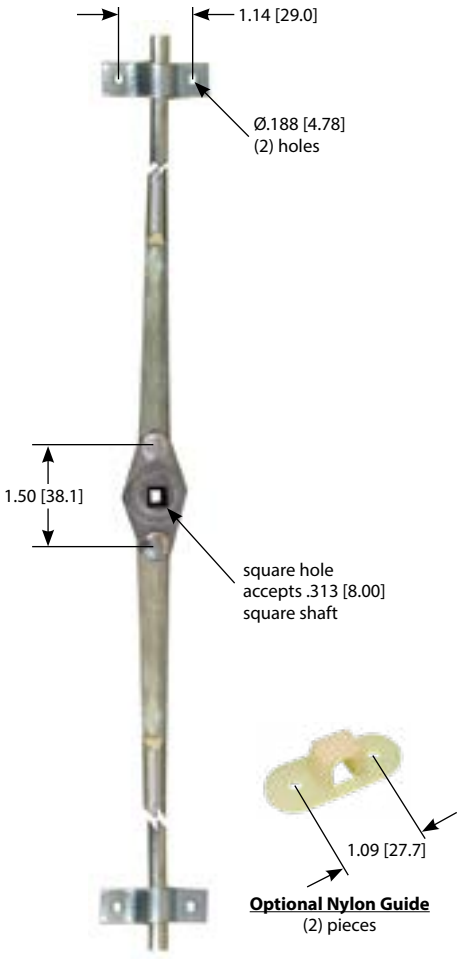


left hand shown

2-Point Swivel Set with Rod Guides

Part Number	Description	Finish
72248	with **steel** rod guide	zinc plated
72248N	with **nylon** rod guide	zinc plated

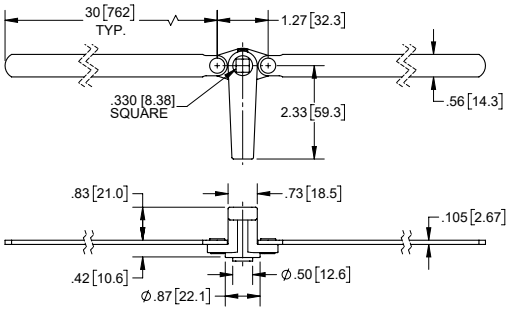
- (2) Ø.312 [7.92] x 48.75 [1,238.3] long steel rods
- attaches to .312 [7.92] square shaft with set screw
- (2) rod guides included in set
  (see table for material option)
- no override
- see handle selection on pages 40-55



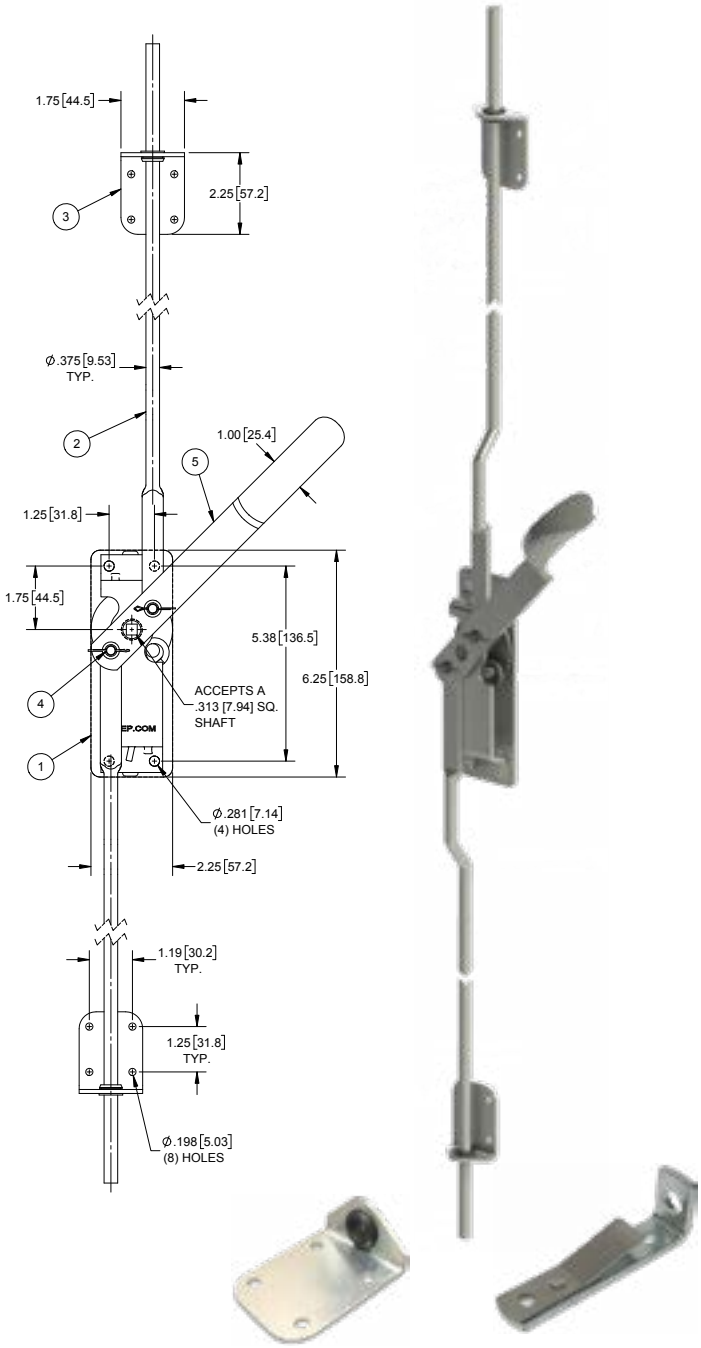
3-Point Rod Assembly

Part Number	Cam		Rods	
	Material	Finish	Material	Finish
712	die cast zinc	mill	aluminum	none

- see handle selection on pages 40-55



Two Point Latch Set



Dampening Rod Guide
part no. **718**

Spring Loaded Rod Guide
part no. **718-01**

With No Inside Release Handle & Dampening Rod Guides

Part No. 716-26		
Item	**Component Part No.**	**Description**
1	**716-25**	(1) two point center case
2	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods
3	**718**	(2) rod guides with rubber damper
4	**717**	(2) cotter pins and (2) wave washers

- steel, zinc plated
- each part number may be ordered separately
- no override
- see handle selection on pages 40-55

With Inside Release Handle & Dampening Rod Guides

Part No. 716-27		
Item	**Component Part No.**	**Description**
1	**716-25**	(1) two point center case
2	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods
3	**718**	(2) rod guides with rubber damper
4	**717**	(2) cotter pins and (2) wave washers
5	**736-01**	(1) inside release handle

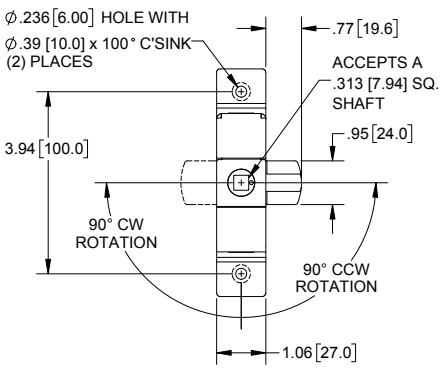
- steel, zinc plated
- each part number may be ordered separately
- no override
- see handle selection on pages 40-55

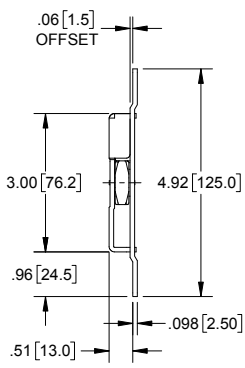
With Inside Release Handle & Spring Loaded Rod Guides

Part No. 716-28		
Item	**Component Part No.**	**Description**
1	**716-25**	(1) two point center case
2	**719-48.00**	(2) 48.00 [1,219.2] x Ø.38 [9.5] connecting rods
3	**718-01**	(2) spring loaded rod guides
4	**717**	(2) cotter pins and (2) wave washers
5	**736-01**	(1) inside release handle

- steel, zinc plated
- each part number may be ordered separately
- no override
- see handle selection on pages 40-55

Center Case Latch





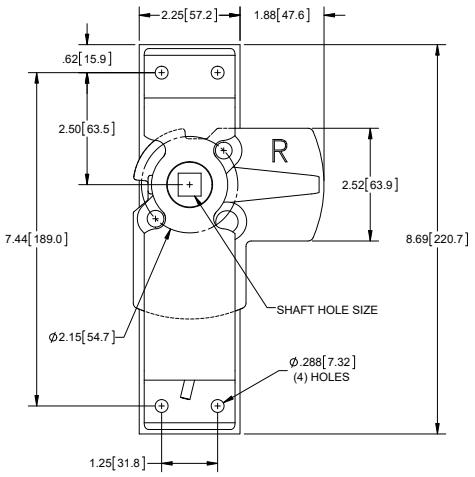
Part Number	Material	Finish
753	steel	zinc plated

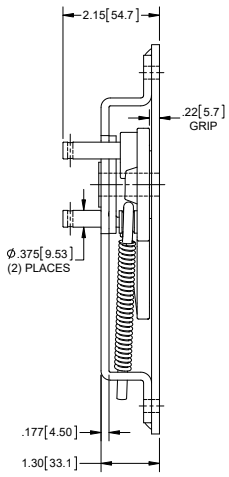
- cam rotates 180°
- cam detents every 90°
- no override
- can be used as left hand or right hand

Three Point Center Case Latches

Part Number	Style	Sq. Shaft Hole Size
729	left & right hand	.636 [16.15]
730	left & right hand	.511 [12.98]

- steel, zinc plated finish housing
- die cast zinc, mill finish cam
- used with handles that have a 180° or 360° rotation only
- with override
- see handle selection on pages 40-55
- see pgs. 220 and 221 for 316SS version



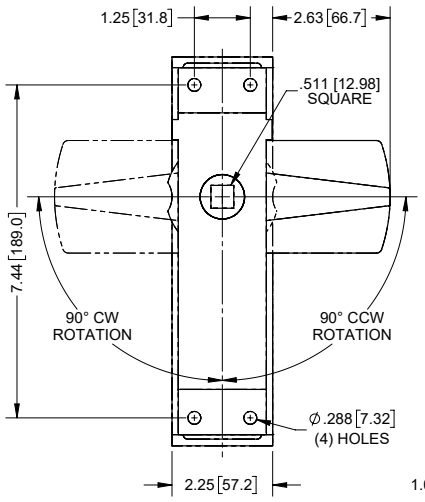


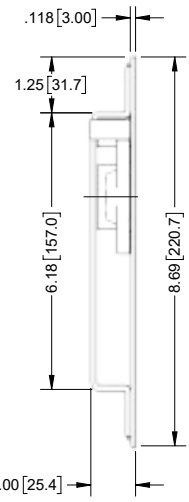
Part No. **729** & **730**

Bi-directional Center Case Latch for 1/2" Sq. Shaft

Part Number	Style	Sq. Shaft Hole Size
730-51	bi-directional	.511 [12.98]

- cam rotates 180°
- cam detents every 90°
- can be used as left hand or right hand
- no override
- see handle selection on pages 40-55

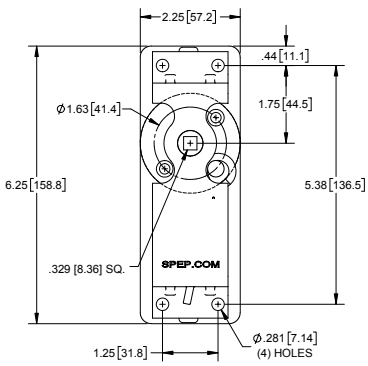


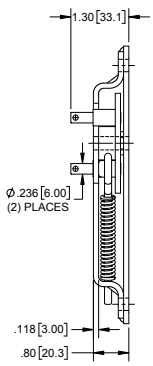


Two Point Center Case Latch for 5/16" Sq. Shaft

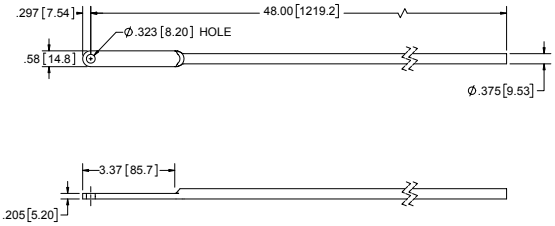
Part Number	Style	Sq. Shaft Hole Size
716-25	left & right hand	.329 [8.36]

- steel, zinc plated finish
- no override
- see handle selection on pages 40-55





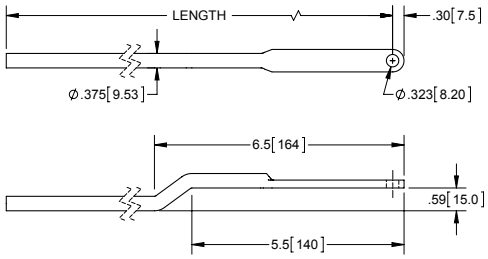
Straight Zinc Plated Ø3/8" Rod



Part Number	Material	Finish
719-48.00A	steel	zinc plated

- custom lengths can be made to your specifications

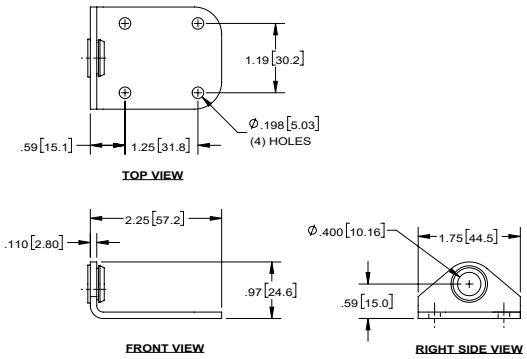
Zinc Plated Ø3/8" Rod with Offset



Part Number	Length	Material	Finish
719-36.00	36.00 [914.4]	steel	zinc plated
719-48.00	48.00[1,219.2]	steel	zinc plated

- custom lengths can be made to your specifications

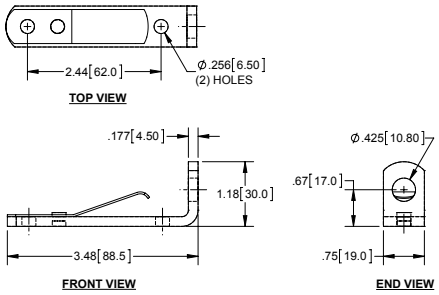
Dampening Rod Guide for a Ø3/8" Rod



Part Number	Material	Finish
718	steel	zinc plated

- for use with part no. **719-48.00** & **719-36.00**
- rubber grommet reduces rattling

Spring Loaded Rod Guide for a Ø3/8" Rod



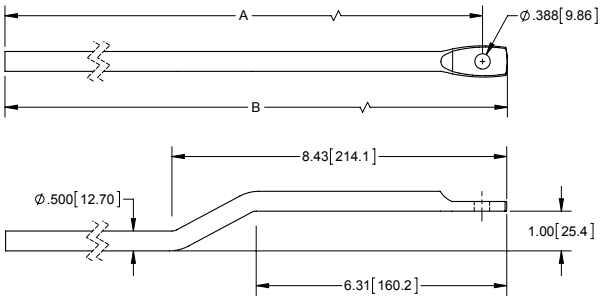
Part Number	Material	Finish
718-01	steel	zinc plated

- stainless steel spring clip material
- for use with part no. **719-48.00**
- spring clip reduces rattling

Zinc Plated Ø1/2" Rod with Offset

Part Number	A	B	Material	Finish
745-36.00	35.38"	36.00"	steel	zinc plated
745-48.00	47.38"	48.00"	steel	zinc plated

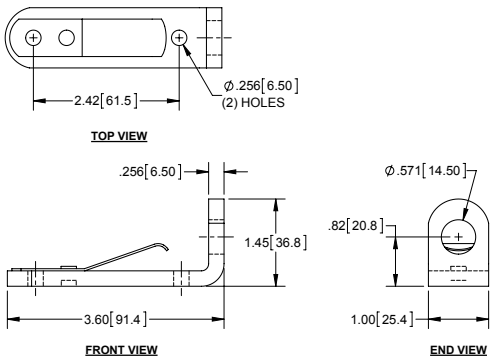
- custom lengths can be made to your specifications
- for use with part no. **729-10** & **730-10**



Spring Loaded Rod Guide for a Ø1/2" Rod

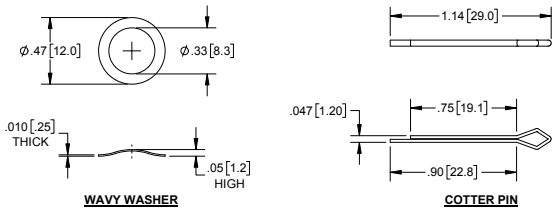
Part Number	Material	Finish
718-02	steel	zinc plated

- stainless steel spring clip material
- for use with part no. **745-36.00** & **745-48.00**
- spring clip reduces rattling



Hardware Kit for 3 Point System

Part Number	Description
717	kit includes: (2) wave disc spring washers (2) cotter pins



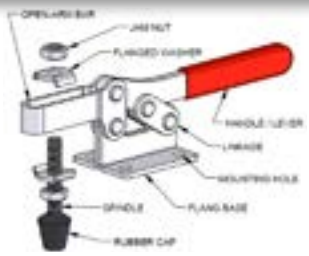
NEW PRODUCT FAMILY

Toggle Clamps

Toggle clamps give the user a quick and simple clamp-and-release feature to hold down a workpiece when conducting repeatable actions. The benefit of these clamps is the high amount of holding capacity with the least amount of effort that is provided by their linkage design.

TYPES OF TOGGLE CLAMPS

HOLD-DOWN HORIZONTAL HANDLE	HOLD-DOWN VERTICAL HANDLE	PUSH-PULL	PULL-ACTION LATCHING
		highest holding capacity of all the clamp types	
has the handle lever at the end of the latch in a horizontal direction when activated	has a vertical handle lever on the top of the latch when activated.	has a plunger that is activated by pushing the handle lever forward. Gives the option of pushing or pulling to hold the workpiece.	includes a wire in the shape of a U-hook or J-hook that latches onto a keeper.



ANATOMY OF A TOGGLE CLAMP

HIGHLIGHTS / FEATURES

- **Quality:** We have a high standard of quality when it comes to our Toggle Clamps. Our latches have gone through extensive quality control checks to make sure they are durable and function at their highest level.
- **Selection:** We offer a great variety of latches for many uses. If you do not find what you need, contact us and let us know. We will be happy to help you find what you are looking for.
- **Safe Use:** It is up to the user to make sure the parts are properly installed and used safely. Make sure to give them proper maintenance and look out for any wear. Clamps may wear out faster when subjected to improper or abusive use.

	Part No.	Material	Finish	Holding Capacity
LATCHING	J3325	steel	zinc plated	375 Lbs. [170 kg]
	J3328	steel	zinc plated	701 Lbs. [318 Kg]
	J3109	stainless steel	mill	722 Lbs. [350 Kg]
	J3330	steel	zinc plated	2,182.6 Lbs. [990 Kg]
VERTICAL HANDLE	J3310	steel	zinc plated	110 Lbs. [50 Kg]
	J3310SS	stainless steel	none	110 Lbs. [50 Kg]
	J3312	steel	zinc plated	221 Lbs. [100 Kg]
	J3108	steel	zinc plated	201 Lbs. [91 Kg]
	J3108SS	stainless steel	zinc plated	201 Lbs. [91 Kg]
	J3314	steel	zinc plated	501 Lbs. [227 Kg]
	J3314SS	stainless steel	none	501 Lbs. [227 Kg]
	J3311	steel	zinc plated	397 Lbs. [180 Kg]
	J3326	steel	zinc plated	750 Lbs. [340 Kg]
	J3313	steel	zinc plated	441 Lbs. [200 Kg]
	J3327	steel	zinc plated	221 Lbs. [100 Kg]
HORIZONTAL HANDLE	J3315	steel	zinc plated	60 Lbs. [27 Kg]
	J3315SS	stainless steel	none	60 Lbs. [27 Kg]
	J3316	steel	zinc plated	199 Lbs. [90 Kg]
	J3316SS	stainless steel	none	199 Lbs. [90 Kg]
	J3319	steel	zinc plated	501 Lbs. [227 Kg]
	J3319SS	stainless steel	none	501 Lbs. [227 Kg]
	J3317	steel	zinc plated	221 Lbs. [100 Kg]
	J3318	steel	zinc plated	501 Lbs. [227 Kg]
PUSH / PULL	J3321	steel	zinc plated	501 Lbs. [227 Kg]
	J3322	steel	zinc plated	851 Lbs. [386 Kg]
	J3323	steel	zinc plated	851 Lbs. [386 Kg]
	J3320	steel	zinc plated	300 Lbs. [136 Kg]
	J3324	steel	zinc plated	397 Lbs. [180 Kg]

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Long Beach, CA 90810

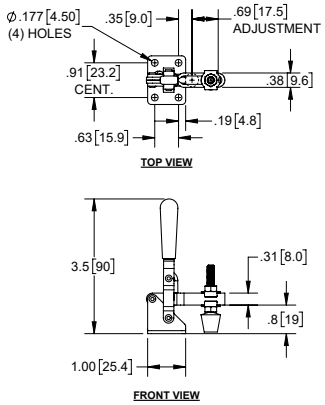
Distribution Centers:
Los Angeles
Dallas • Chicago

CONTACT A SPEP SALES REP FOR MORE INFO
888.444.6437 info@spep-marketing.com

Hold Down Toggle Clamps with Open Arm, Adjustable Grip

Part Number	Material	Finish
J3310	steel	zinc plated
J3310SS	stainless steel	none

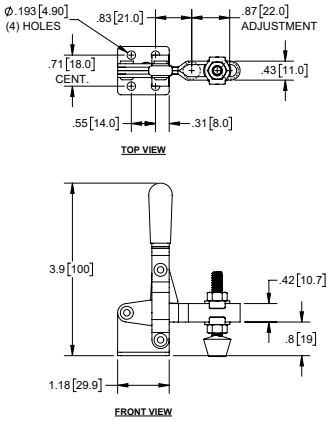
- red plastic grip and rubber bumper
- holding capacity: 110 Lbs. [50 Kg]



Hold Down Toggle Clamp with Open Arm, Adjustable Grip

Part Number	Material	Finish
J3312	steel	zinc plated

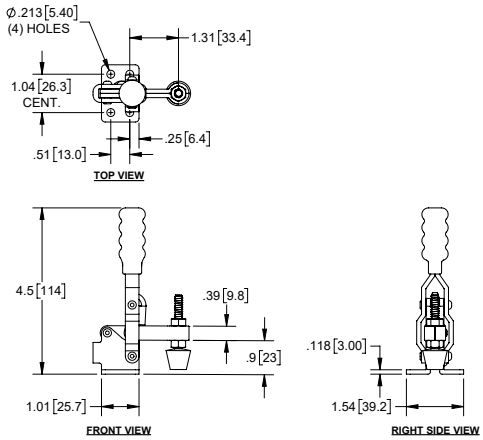
- red plastic grip and rubber bumper
- holding capacity: 221 Lbs. [100 Kg]



Hold Down Toggle Clamp with Solid Arm, Adjustable Grip

Part Number	Material	Finish
J3108	steel	zinc plated

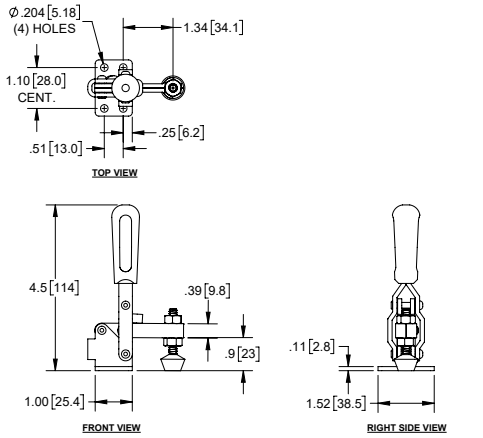
- red plastic grip and rubber bumper
- holding capacity: 201 Lbs. [91 Kg]



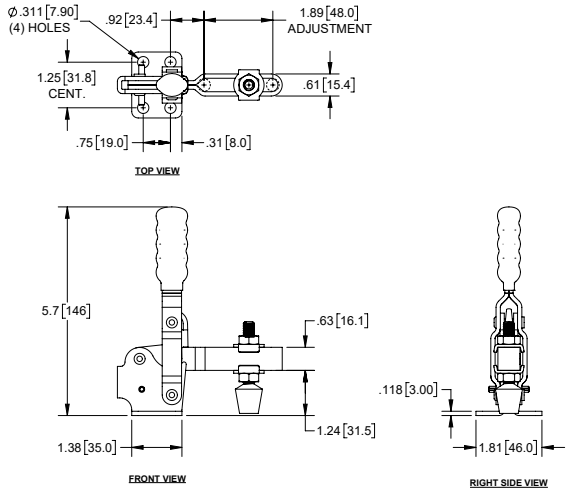
Hold Down Toggle Clamp with Solid Arm, Adjustable Grip

Part Number	Material	Finish
J3108SS	stainless steel	zinc plated

- red plastic grip and rubber bumper
- holding capacity: 201 Lbs. [91 Kg]



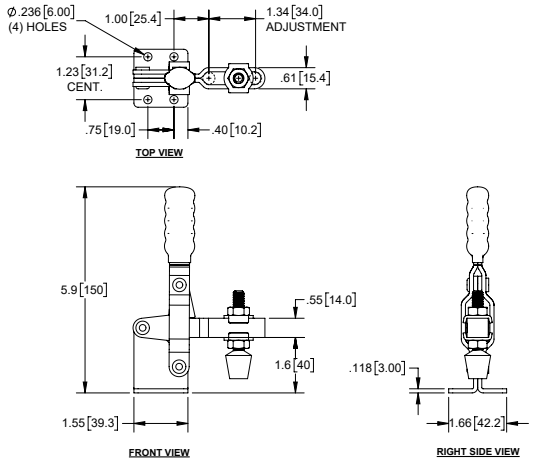
Hold Down Toggle Clamps with Open Arm, Adjustable Grip



Part Number	Material	Finish
J3314	steel	zinc plated
J3314SS	stainless steel	none

- red plastic grip and rubber bumper
- holding capacity: 501 Lbs. [227 Kg]

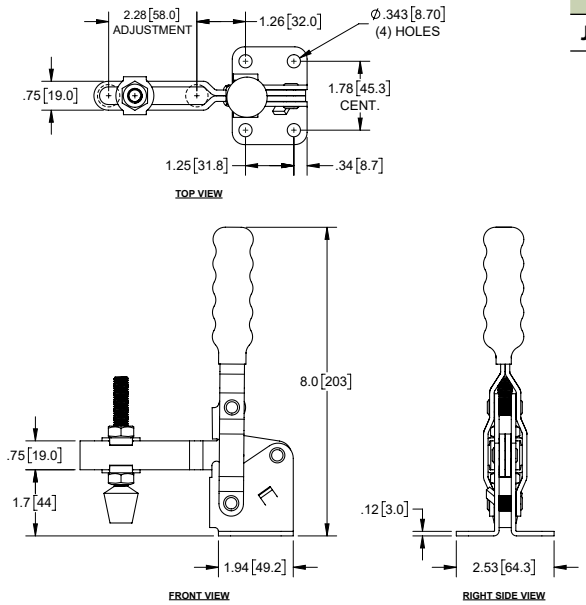
Steel Hold Down Toggle Clamp with Open Arm, Adjustable Grip



Part Number	Material	Finish
J3311	steel	zinc plated

- red plastic grip and rubber bumper
- holding capacity: 397 Lbs. [180 Kg]

Steel Hold Down Toggle Clamp with Open Arm, Adjustable Grip



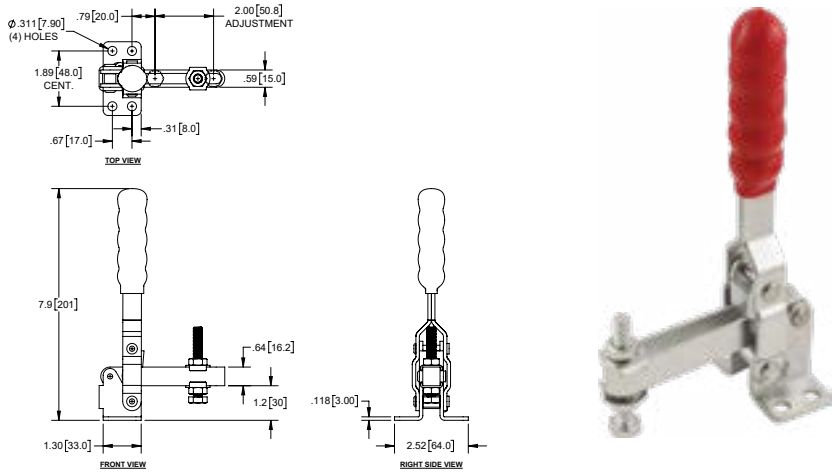
Part Number	Material	Finish
J3326	steel	zinc plated

- red plastic grip and rubber bumper
- holding capacity: 750 Lbs. [340 Kg]

Hold Down Toggle Clamp with Open Arm, Adjustable Grip

Part Number	Material	Finish
J3313	steel	zinc plated

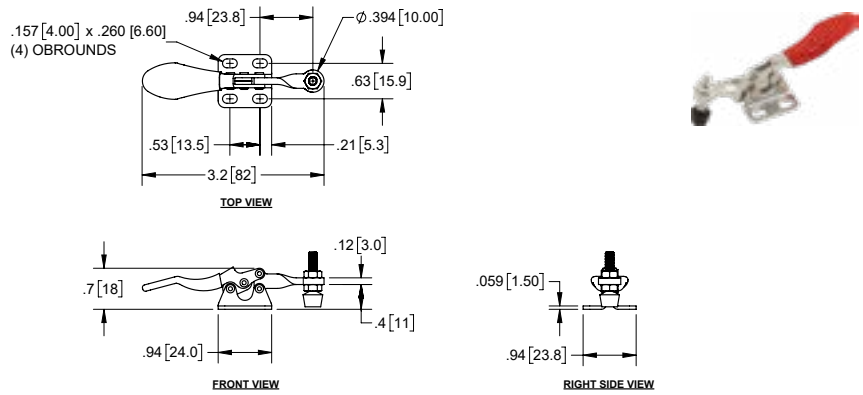
- red plastic grip
- holding capacity: 441 Lbs. [200 Kg]



Hold Down Toggle Clamps with Solid Arm, Adjustable Grip

Part Number	Material	Finish
J3315	steel	zinc plated
J3315SS	stainless steel	none

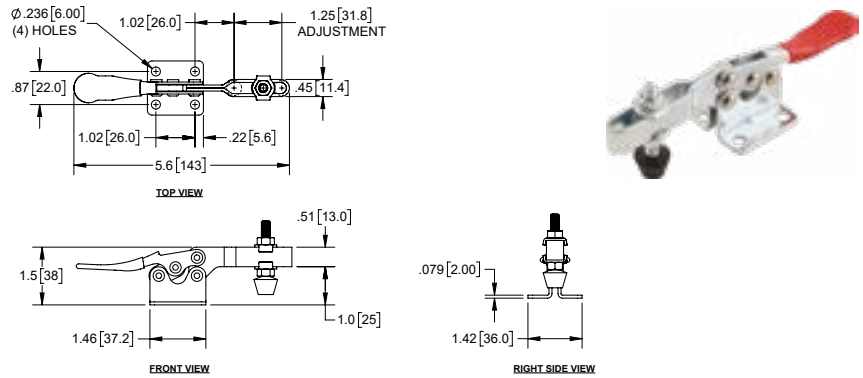
- red plastic grip and rubber bumper
- holding capacity: 60 Lbs. [27 Kg]



Hold Down Toggle Clamps with open Arm, Adjustable Grip

Part Number	Material	Finish
J3316	steel	zinc plated
J3316SS	stainless steel	none

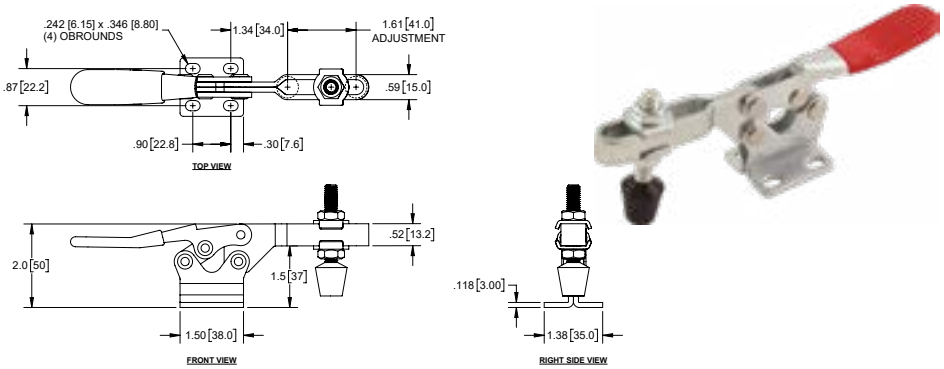
- red plastic grip and rubber bumper
- holding capacity: 199 Lbs. [90 Kg]



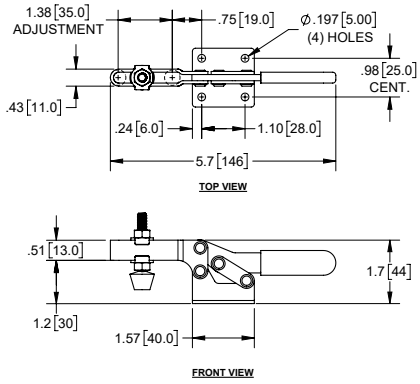
Hold Down Toggle Clamps with Open Arm, Adjustable Grip

Part Number	Material	Finish
J3319	steel	zinc plated
J3319SS	stainless steel	none

- red plastic grip and rubber bumper
- holding capacity: 501 Lbs. [227 Kg]



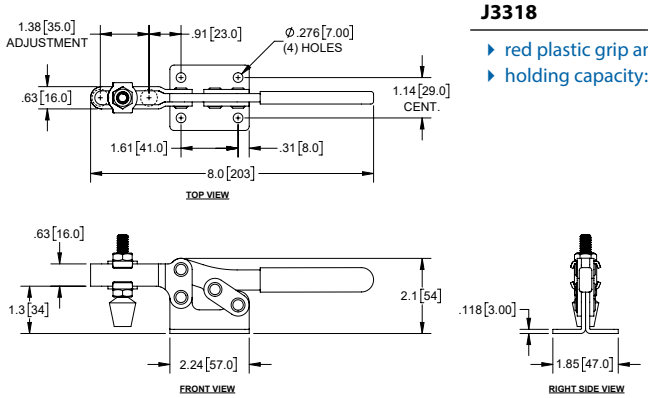
Hold Down Toggle Clamp with Open Arm, Adjustable Grip



Part Number	Material	Finish
J3317	steel	zinc plated

- red plastic grip and rubber bumper
- holding capacity: 221 Lbs. [100 Kg]

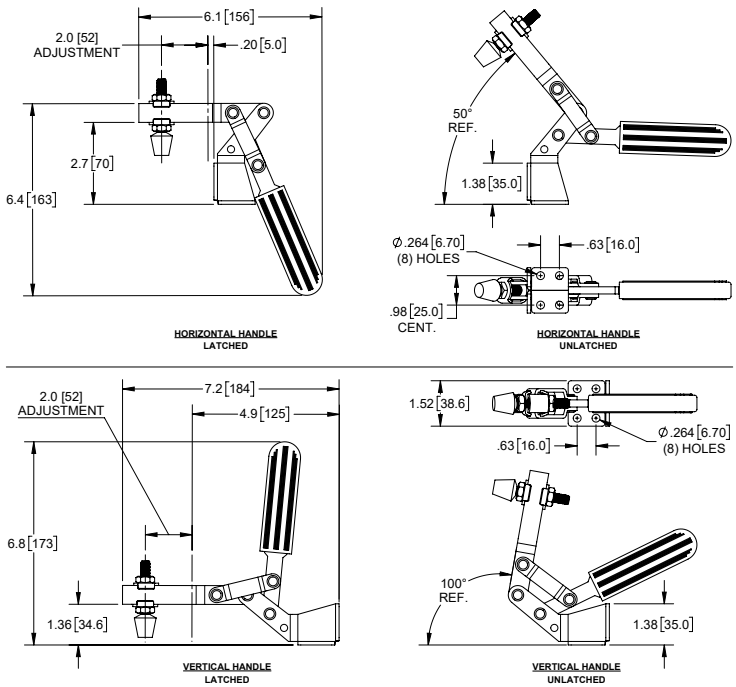
Hold Down Toggle Clamp with Open Arm, Adjustable Grip



Part Number	Material	Finish
J3318	steel	zinc plated

- red plastic grip and rubber bumper
- holding capacity: 501 Lbs. [227 Kg]

Hold Down Toggle Clamp, Adjustable Grip



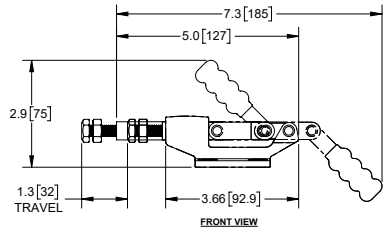
Part Number	Material	Finish
J3327	steel	zinc plated

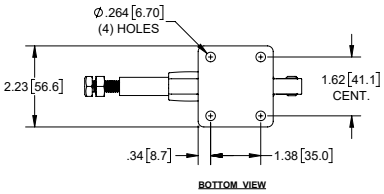
- red plastic grip and rubber bumper
- holding capacity: 221 Lbs. [100 Kg]

Push Pull Toggle Clamp with 45° Lever

Part Number	Material	Finish
J3321	steel	zinc plated

- red plastic grip
- black painted base
- holding capacity: 501 Lbs. [227 Kg]

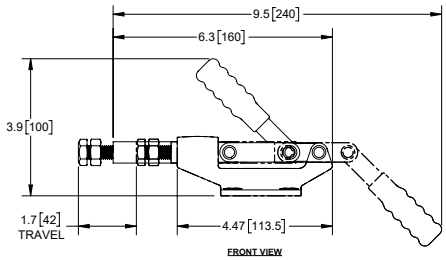


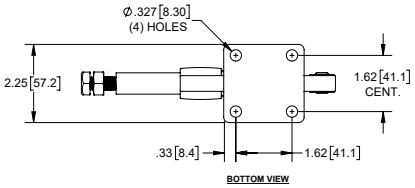


Push Pull Toggle Clamp with 45° Lever

Part Number	Material	Finish
J3322	steel	zinc plated

- red plastic grip
- black painted base
- holding capacity: 851 Lbs. [386 Kg]

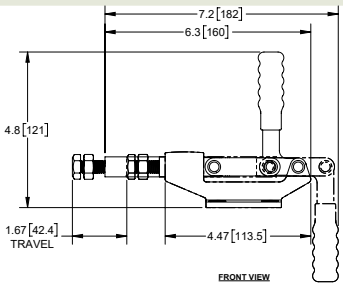


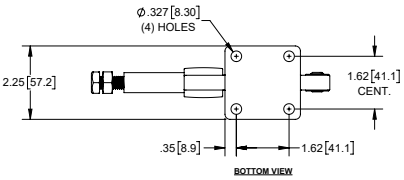


Push Pull Toggle Clamp with 90° Lever

Part Number	Material	Finish
J3323	steel	zinc plated

- red plastic grip
- black painted base
- holding capacity: 851 Lbs. [386 Kg]

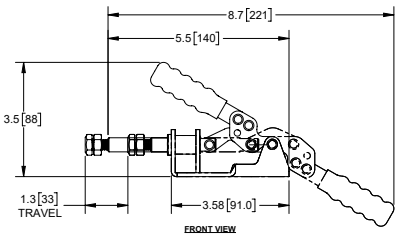


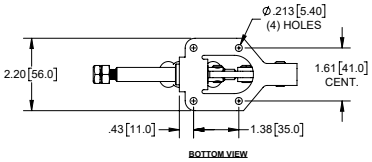


Push Pull Toggle Clamp with Stamped Base & 30° Lever

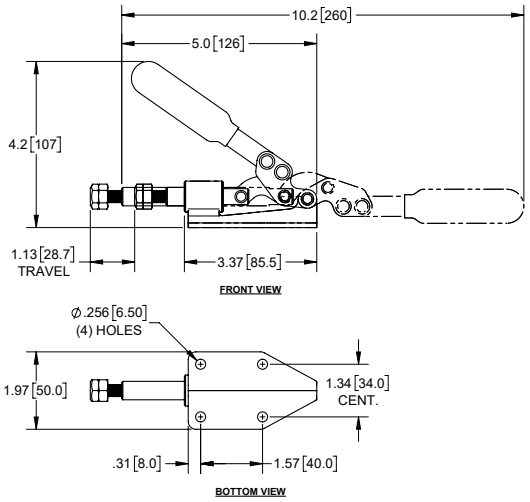
Part Number	Material	Finish
J3320	steel	zinc plated

- red plastic grip
- holding capacity: 300 Lbs. [136 Kg]





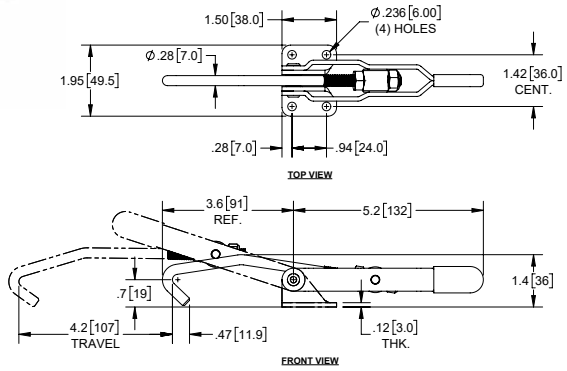
Push Pull Toggle Clamp with Stamped Base & 35° Lever



Part Number	Material	Finish
J3324	steel	zinc plated

- red plastic grip
- holding capacity: 397 Lbs. [180 Kg]

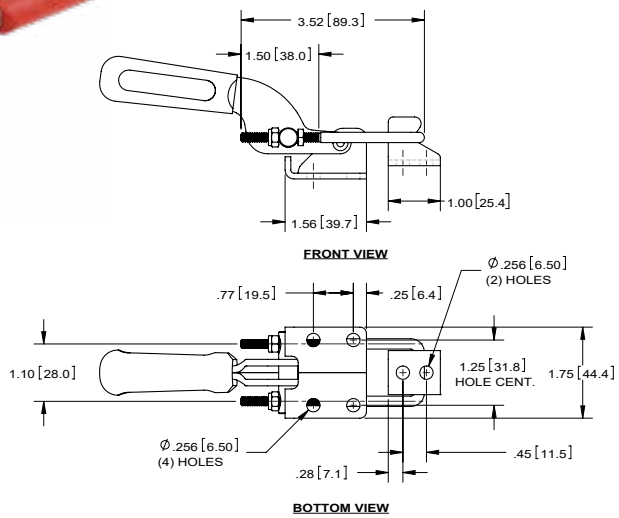
Toggle Latch with Adjustable Hook



Part Number	Material	Finish
J3325	steel	zinc plated

- red plastic grip
- holding capacity: 375 Lbs. [170 Kg]

Latching Toggle Clamp with Adjustable U-Bolt



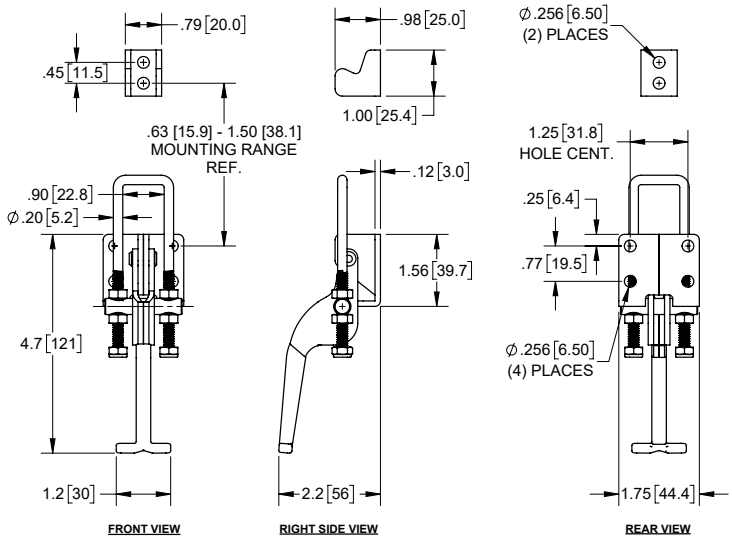
Part Number	Material	Finish
J3109	stainless steel	mill

- red plastic grip
- holding capacity: 722 Lbs. [350 Kg]

Latching Toggle Clamp with Adjustable U-Bolt

Part Number	Material	Finish
J3328	steel	zinc plated
NEW J3328SS	stainless steel	mill

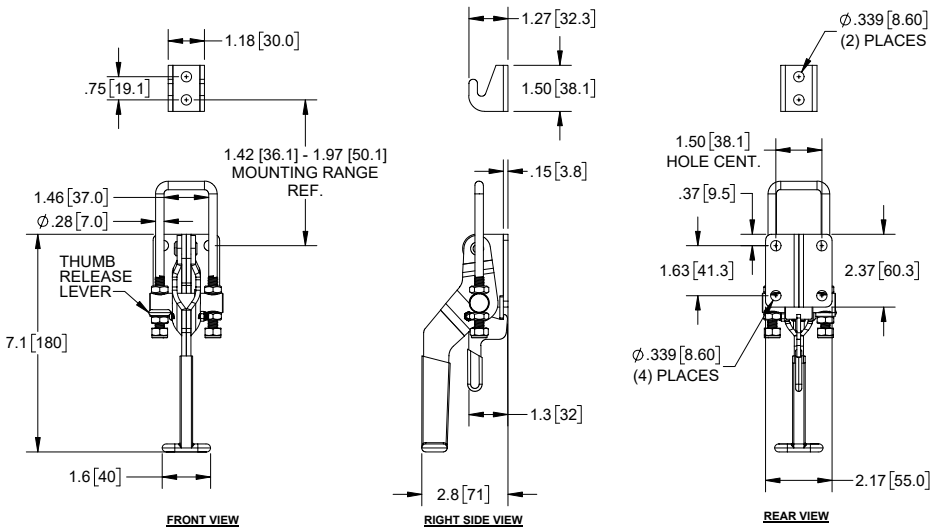
- red plastic grip
- holding capacity: 701 Lbs. [318 Kg]



NEW Latching Toggle Clamp with Adjustable U-Bolt and Thumb Lever

Part Number	Material	Finish
J3330	steel	zinc plated

- red plastic grip
- holding capacity: 2,182.6 Lbs. [990 Kg]



Three Point Cabinet Latches with Tubular Rods

Features
▸ rods made of strong lightweight tubular steel
▸ rods can be made to special lengths or different hole patterns if volume is sufficient
▸ all components are made of steel with a clear zinc plated finish and can be purchased separately
▸ see handle selection on pages 40-55

Adjustable Center Cam Kits

part number 7080 includes (2) 18.83 [478.3] rods
part number 7081 includes (2) 33.83 [859.3] rods
part number 7082 includes (2) 45.83 [1164.1] rods

Item	Part No.	Description	Qty.
1	**701**	adjustable nylon roller center cam	1
2	**710**	adjustable rod guide	2
3	**760**	5/16-18 x .60 [15.2] long shoulder bolt	2

▸ available in stainless steel as part no. **7082SS**

Adjustable Center Cam
part no. **701**

Adjustable Center Cam with Collar Kits

part number 7090 includes (2) 18.83 [478.3] rods
part number 7091 includes (2) 33.83 [859.3] rods
part number 7092 includes (2) 45.83 [1164.1] rods

Item	Part No.	Description	Qty.
1	**701-01**	adjustable center cam with collar	1
2	**710**	adjustable rod guide	2
3	**760**	5/16-18 x .60 [15.2] long shoulder bolt	2

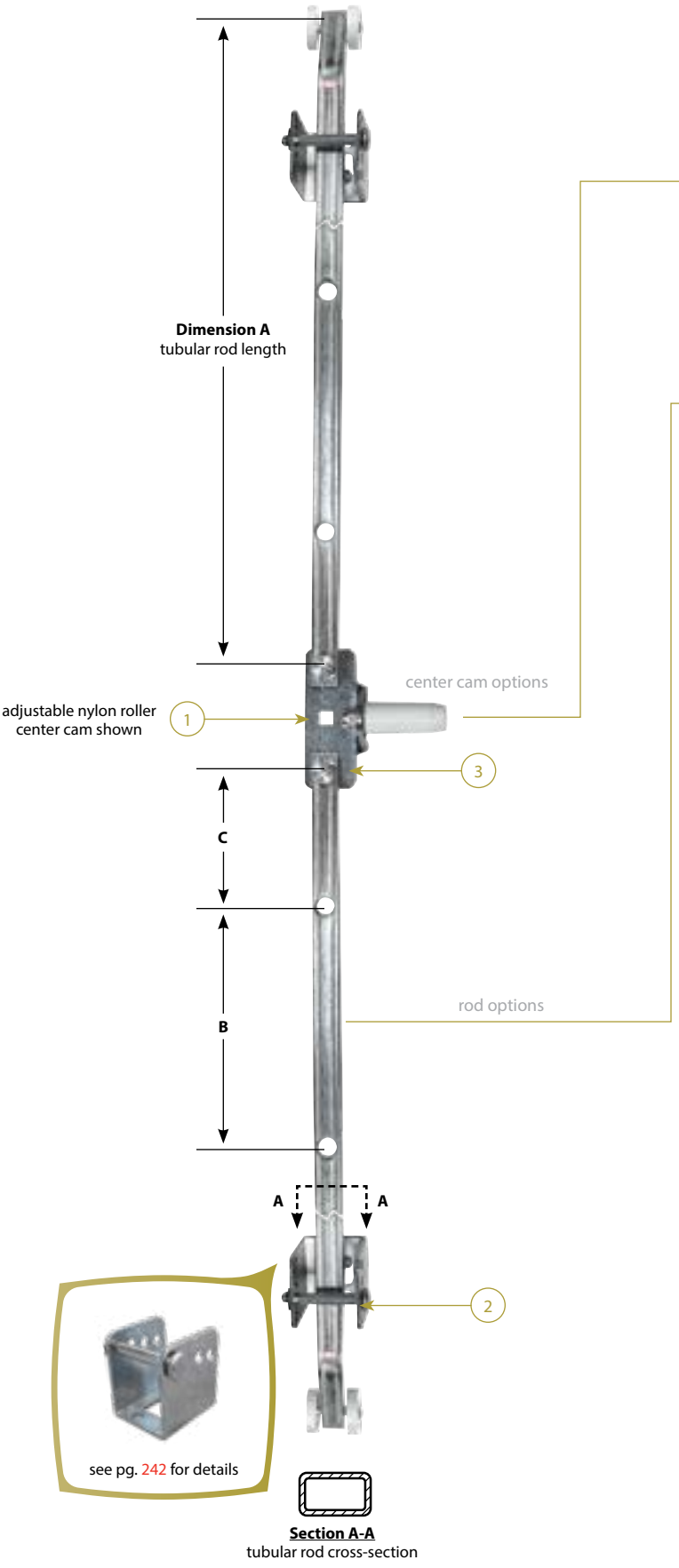
Adjustable Center Cam with Collar
part no. **701-01**

Fixed Center Cam Kits

part number 7085 includes (2) 18.83 [478.3] rods
part number 7086 includes (2) 33.83 [859.3] rods
part number 7087 includes (2) 45.83 [1164.1] rods

Item	Part No.	Description	Qty.
1	**700**	fixed center cam	1
2	**710**	adjustable rod guide	2
3	**760**	5/16-18 x .60 [15.2] long shoulder bolt	2

Fixed Center Cam
part no. **700**



Download 3D MODELS @ www.spep.com

Three Point Cabinet Latches with Tubular Rods

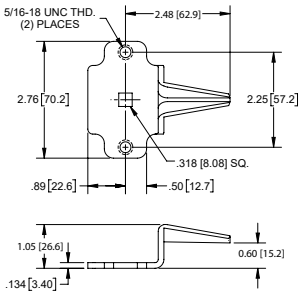
Build Your Own Cabinet Latch Kit

708 - A - 762-11.375 → **Example Part No.**

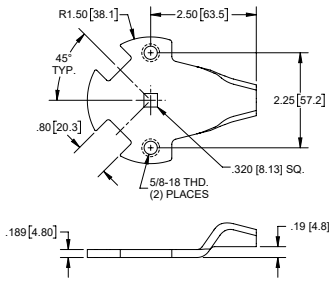
- rod part numbers (2 pcs.) (see tubular rod options below)
- cam style
- base part number includes:
  - **710** adjustable rod guide (2pcs.)
  - **760** 5/16-18 shoulder bolt (2pcs.)

Center Cam Options		
Options	**Part No.**	**Description**
A	**700**	.60 [15.2] offset center cam
B	**700-01**	.187 [4.75] offset center cam
C	**701**	adjustable nylon roller center cam
D	**701-01**	adjustable nylon roller center cam with weld collar

Tubular Rod Options				
Part No.	**Dimension A**	**Dimension B**	**Dimension C**	**Material**
762	18.83 [478.3]	6.00 [152.4]	3.00 [76.2]	steel
762SS	18.83 [478.3]	6.00 [152.4]	3.00 [76.2]	304 SS
762-11.375	11.38 [289.1]	N/A	N/A	steel
762-12.875	12.88 [327.2]	N/A	N/A	steel
762-12.937	12.94 [328.7]	6.00	3.00	steel
762-15.75	15.75 [400.1]	N/A	N/A	steel
762-7.875	7.88 [200.2]	N/A	N/A	steel
765	33.83 [859.3]	6.00 [152.4]	6.00 [152.4]	steel
765SS	33.83 [859.3]	6.00 [152.4]	6.00 [152.4]	304SS
765-15.875	15.88 [403.4]	N/A	N/A	steel
765-15.937	15.94 [404.9]	6.00 [152.4]	6.00 [152.4]	steel
765-18.25	18.25 [463.6]	6.00 [152.4]	6.00 [152.4]	steel
765-18.875	18.88 [479.6]	N/A	N/A	steel
765-23.875	23.88 [606.6]	N/A	N/A	steel
765-24.875	24.88 [632.0]	6.00 [152.4]	6.00 [152.4]	steel
765-29.875	29.88 [759.0]	N/A	N/A	steel
765-9.875	9.88 [251.0]	N/A	N/A	steel
768	45.83 [1164.1]	3.00 [76.2]	3.00 [76.2]	steel
768SS-01	45.83 [1164.1]	3.00 [76.2]	3.00 [76.2]	304SS
768-21.875	21.88 [555.8]	N/A	N/A	steel
768-27.875	27.88 [708.2]	N/A	N/A	steel
768-30.06	30.06 [763.5]	N/A	N/A	steel
768-33.875	33.88 [860.6]	N/A	N/A	steel
768-38.875	38.88 [987.6]	N/A	N/A	steel
768-39.19	39.19 [995.4]	N/A	N/A	steel
768-41.50	41.50 [1054.1]	N/A	N/A	steel
768-41.875	41.88 [1063.8]	N/A	3.00	steel
768-44.375	44.38 [1127.3]	3.00 [76.2]	3.00 [76.2]	steel
769	no holes 49.00 [1244.6] total center to end rod length			steel
768SS	no holes 46.21 [1173.7] total center to end rod length			304SS

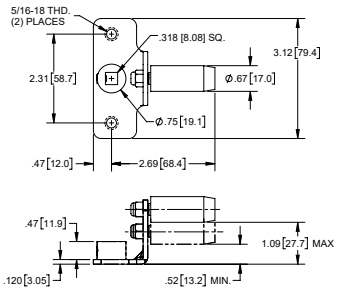


option A
part no. 700

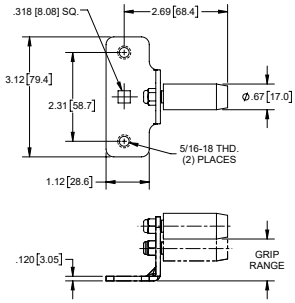


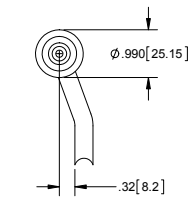
option B
part no. 700-01

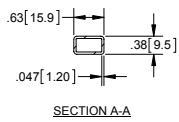
option D
part no. 701-01



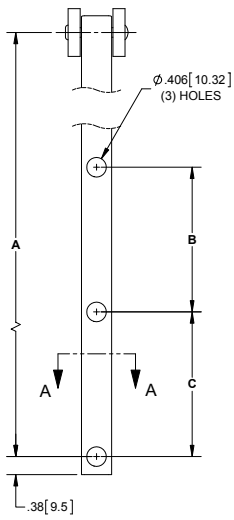
option C
part no. 701







SECTION A-A



- easy installation
- nylon rollers for smooth operation
- rods can be made to custom lengths and hole patterns if order volume is sufficient
- steel rods finish: zinc plated
- 304SS rods finish: mill

Three Point Cabinet Latches with Channel Rods

Features
▸ rods made of strong lightweight channel steel
▸ rods can be made to special lengths or different hole patterns if volume is sufficient
▸ all components are made of steel with a clear zinc plated finish and can be purchased separately
▸ see handle selection on pages 40-55

Adjustable Center Cam Kits

part number 7070 includes (2) 36.00 [914.4] rods
part number 7071 includes (2) 47.44 [1205.0] rods

Item	Part No.	Description	Qty.
1	**701**	adjustable nylon roller center cam	1
2	**702**	rod guide bracket	2
3	**703**	5/16-18 x .87 [22.1] long shoulder bolt	2

Adjustable Center Cam
part no. **701**

Adjustable Center Cam Kits with Collar

part number 7073 includes (2) 36.00 [914.4] rods
part number 7074 includes (2) 47.44 [1205.0] rods

Item	Part No.	Description	Qty.
1	**701-01**	adjustable center cam with collar	1
2	**702**	rod guide bracket	2
3	**703**	5/16-18 x .87 [22.1] long shoulder bolt	2

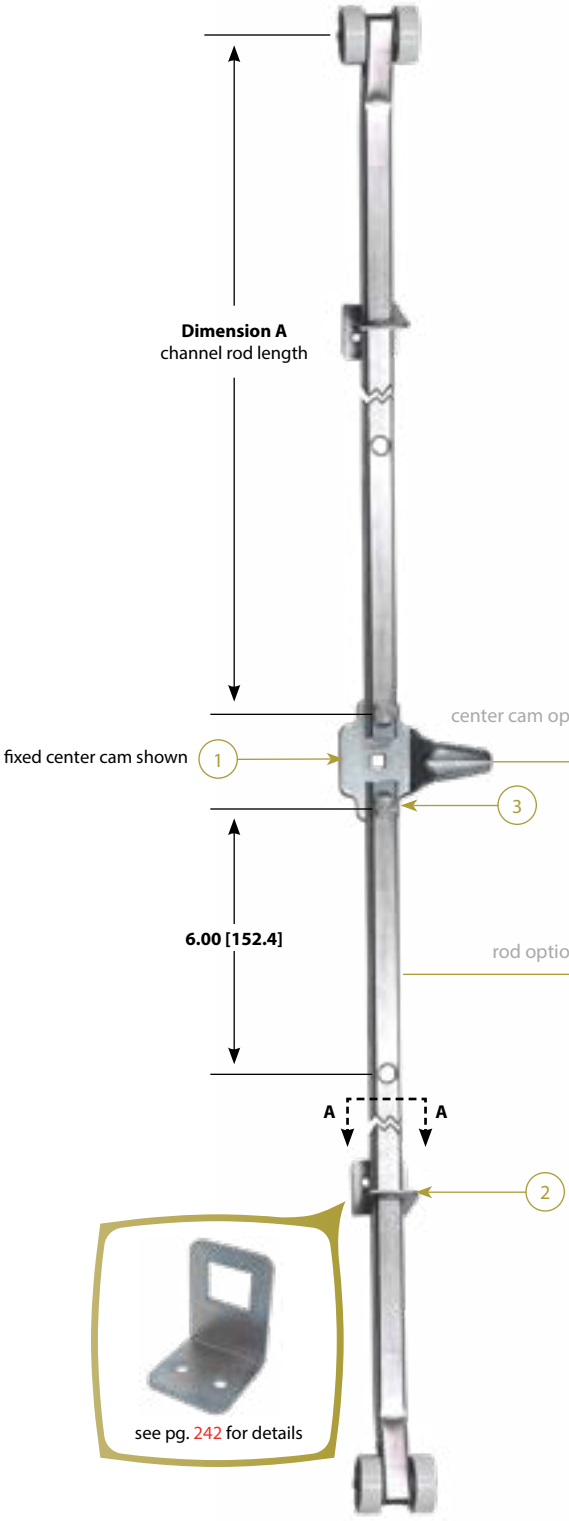
Adjustable Center Cam with Collar
part no. **701-01**

Fixed Center Cam Kits

part number 7075 includes (2) 36.00 [914.4] rods
part number 7076 includes (2) 47.44 [1205.0] rods

Item	Part No.	Description	Qty.
1	**700**	fixed center cam	1
2	**702**	rod guide bracket	2
3	**703**	5/16-18 x .87 [22.1] long shoulder bolt	2

Fixed Center Cam
part no. **700**



Section A-A
channel rod cross-section

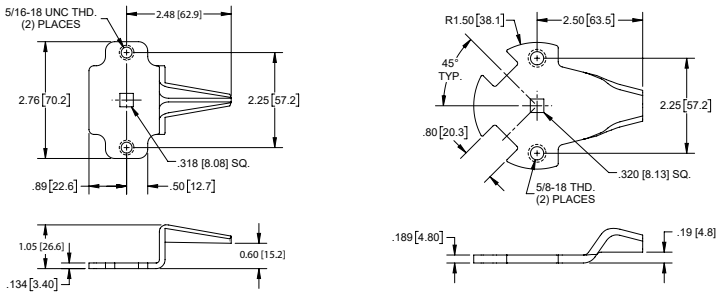
Download 3D MODELS @ www.spep.com

Three Point Cabinet Latches with Channel Rods

Build Your Own Cabinet Latch Kit

707 - A - 704-36.00 → **Example Part No.**

- rod part numbers (2 pcs.) (see channel rod options below)
- cam style
- base part number includes:
  - **702** rod guide bracket (2pcs.)
  - **703** 5/16-18 shoulder bolt (2pcs.)

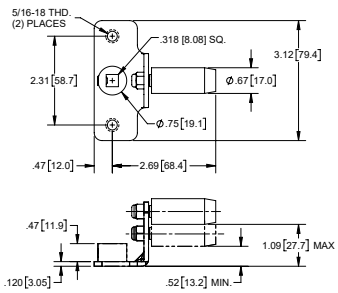


option A
part no. 700

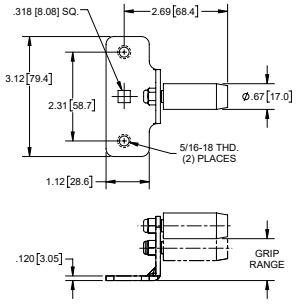
option B
part no. 700-01

Center Cam Options		
Options	**Part No.**	**Description**
A	**700**	.60 [15.2] offset center cam
B	**700-01**	.187 [4.75] offset center cam
C	**701**	adjustable nylon roller center cam
D	**701-01**	adjustable nylon roller center cam with weld collar

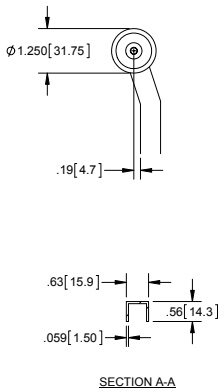
option D
part no. 701-01

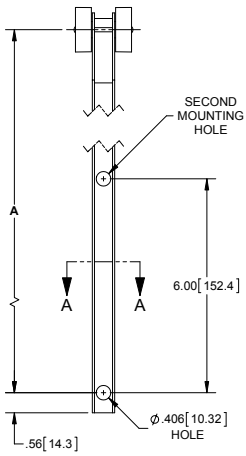


option C
part no. 701



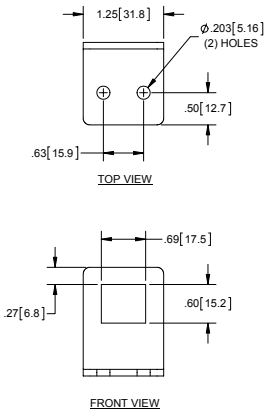
Channel Rod Options	
Part No.	**Dimension A**
704*	36.00 [914.4]
704-24.20*	24.20 [614.9]
705*	47.44 [1205.0]
705-01*	37.08 [941.8]
705-02*	41.70 [1059.2]
705-05	9.88 [251.0]
705-06	12.88 [327.2]
705-07	15.88 [403.4]
705-08	18.88 [479.6]
705-09	22.00 [558.8]
705-10	21.88 [555.8]
705-11	18.25 [463.6]
705-12	24.88 [632.0]
705-13	27.50 [698.5]
705-14	27.88 [708.2]
705-15	33.50 [850.9]
705-16	33.88 [860.6]
705-17	45.50 [1155.7]
705-18	38.72 [983.5]
705-22	23.88 [606.6]
705-23	11.38 [289.1]
705-24	12.94 [328.7]
705-25	15.94 [404.9]
705-26	7.88 [200.2]
705-27	38.88 [987.6]
705-28	29.88 [759.0]





- * these parts have second mounting hole
- easy installation
- high impact plastic rollers for smooth operation
- made of strong lightweight channel steel with a clear zinc plated finish
- rods can be made to custom lengths and hole patterns if order volume is sufficient

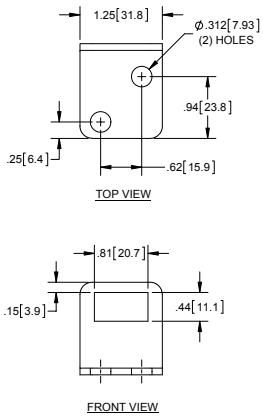
Fixed Rod Guide



Part Number	Material	Finish
702	steel	zinc plated

▸ use with channel rods on pg. 241

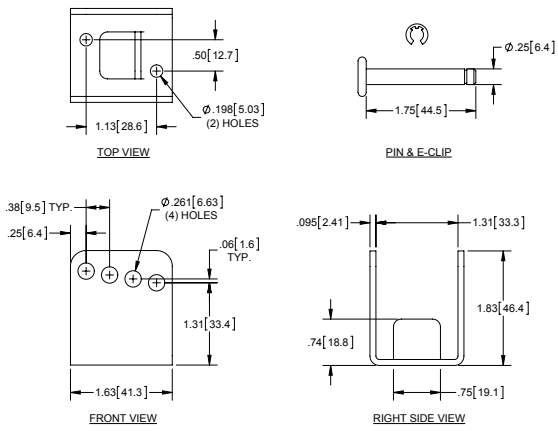
Fixed Rod Guide



Part Number	Material	Finish
702-01	steel	zinc plated

▸ use with tubular rods on pg. 239

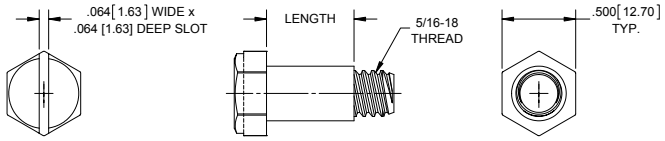
Adjustable Rod Guide



Part Number	Material	Finish
710	steel	zinc plated
710SS	304SS	passivated
710A	aluminum guide & 304SS pin	tumbled
711	steel	mill guide & zinc plated pin

▸ use with tubular rods on pg. 239

Shoulder Bolts for Center Cams



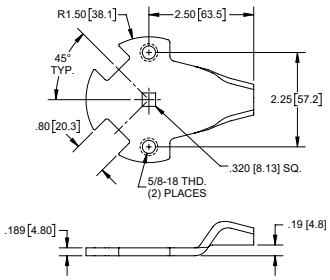
Part Number	Length	Material	Finish
703	.594 [15.09]	steel	zinc plated
760	.391 [9.93]	steel	zinc plated
760SS	.391 [9.93]	304SS	tumbled

▸ part no. **703** is used on channel rods on page 241
▸ part no. **760** & **760SS** are used on tubular rods on page 239

Offset Center Cam

Part Number	Material	Finish
700-01	steel	zinc plated

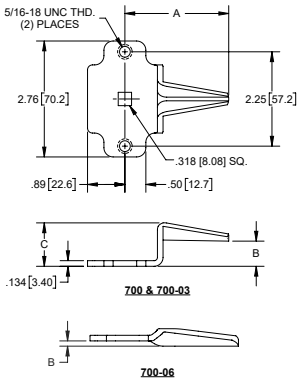
- refer to previous page for shoulder bolt
- for use with handles that have a .313 [8.00] sq. shaft



Offset Center Cams

Part Number	Material	Finish	A	B	C
700	steel	zinc plated	2.48 [63.0]	.60 [15.2]	1.05 [26.7]
700-03			2.65 [67.3]	.50 [12.7]	.97 [24.6]
700-06			2.65 [67.3]	0.11 [2.73]	N/A

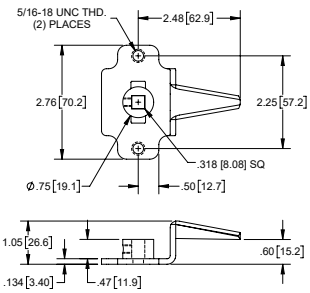
- refer to previous page for shoulder bolt
- for use with handles that have a .313 [8.00] sq. shaft



Offset Center Cam with Collar

Part Number	Material	Finish
700-02	steel	zinc plated

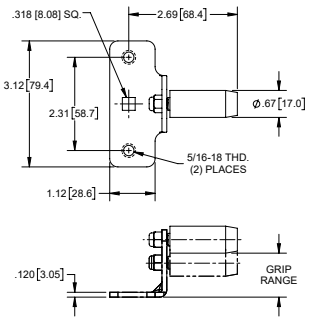
- refer to previous page for shoulder bolt
- for use with handles that have a .313 [8.00] sq. shaft



Adjustable Center Cam

Part No.	Material	Finish	Grip Range
701	steel	zinc plated	.52 [13.2] - 1.09 [27.7]
701SS	304SS	mill	.52 [13.2] - 1.09 [27.7]
701-10	steel	zinc plated	.13 [3.2] - 1.09 [27.7]

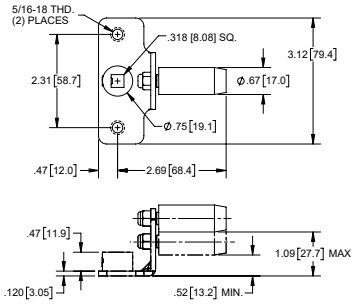
- refer to previous page for shoulder bolt
- for use with handles that have a .313 [8.00] sq. shaft



Adjustable Center Cam with Collar

Part Number	Material	Finish
701-01	steel	zinc plated

- refer to previous page for shoulder bolt
- for use with handles that have a .313 [8.00] sq. shaft



NEMA Clip Assembly Kits with Standard Bracket

316SS

Features
all parts meet NEMA 12 enclosure access requirements
all sub-components may be purchased separately

Kit Part No. 14SS - 1/4-20 Stainless Steel Bracket

Item	Part Number	Qty.	Description
1	**X1401**	1	304SS standard bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1404-03**	1	1/4-20 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 14SS01 - 1/4-28 Stainless Steel Bracket

Item	Part Number	Qty.	Description
1	**X1401**	1	304SS standard bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 14ZN - 1/4-20 Steel Bracket

Item	Part Number	Qty.	Description
1	**X1400**	1	zinc plated standard bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1404-03**	1	1/4-20 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 14ZN01 - 1/4-28 Steel Bracket

Item	Part Number	Qty.	Description
1	**X1400**	1	zinc plated standard bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

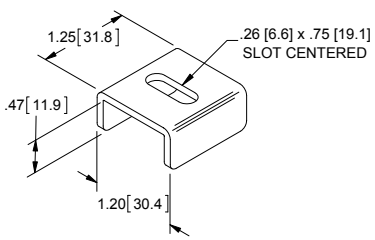
Kit Part No. 14SST - 1/4-20 Stainless Steel Bracket

Item	Part Number	Qty.	Description
1	**X1400-03**	1	316SS standard bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D washer, 316SS
4	**X1404-03**	1	1/4-20 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 14SST01 - 1/4-28 Stainless Steel Bracket

Item	Part Number	Qty.	Description
1	**X1400-03**	1	304SS standard bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

NEMA Hold-down Clamp



Part Number	Material	Finish	Material Thickness
X1400	steel	zinc plated	.098 [2.49]
X1401	304SS	tumbled	.098 [2.49]
X1400-03	316SS	tumbled	.098 [2.49]

316SS NEMA Clip Assembly Kits with Clamp Bracket

Kit Part No. 1491SS - 1/4-20 Stainless Steel Clamp

Item	Part Number	Qty.	Description
1	**1490SS**	1	304SS clamp bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1404-03**	1	1/4-20 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 1491SS01 - 1/4-28 Stainless Steel Clamp

Item	Part Number	Qty.	Description
1	**1490SS**	1	304SS clamp bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 1491ZN - 1/4-20 Steel Clamp

Item	Part Number	Qty.	Description
1	**1490ZN**	1	zinc plated clamp bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1404-03**	1	1/4-20 x .75 [19.1] long slotted hex bolt, 316SS

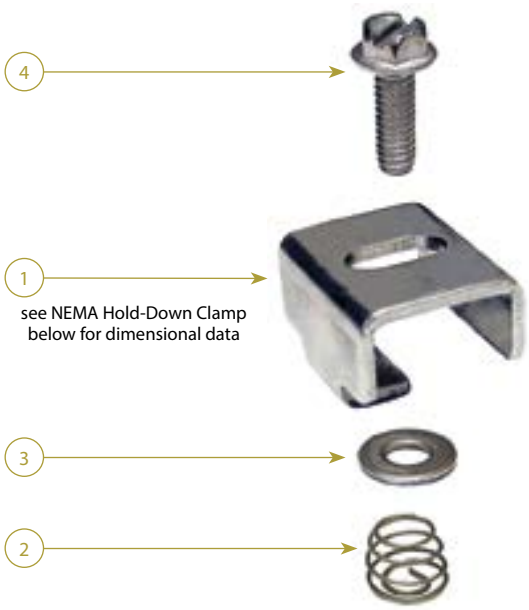
Kit Part No. 1491ZN01 - 1/4-28 Steel Clamp

Item	Part Number	Qty.	Description
1	**1490ZN**	1	zinc plated clamp bracket
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 1491SS04 - 1/4-28 316SS Clamp

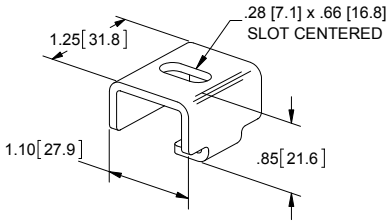
Item	Part Number	Qty.	Description
1	**1490SS01**	1	clamp bracket, 316SS
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

Features
all parts meet NEMA 4 enclosure access requirements
all sub-components may be purchased separately



NEMA Hold-down Clamp

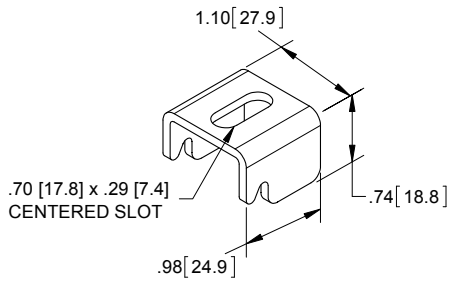
Part Number	Material	Finish	Material Thickness
1490ZN	steel	zinc plated	.095 [2.41]
1490SS	304SS	tumbled	.095 [2.41]
1490SS01	316SS	tumbled	.095 [2.41]



NEMA Clip Assembly Kits with Hook Bracket

316SS

Features
all parts meet NEMA 4 enclosure access requirements
all sub-components may be purchased separately



Clamp Bracket Details

Kit Part No. 1492SS - 1/4-20 Stainless Steel Clamp

Item	Part Number	Qty.	Description
1	**X1407SS**	1	clamp bracket - 304SS, tumbled, .095 [2.41] thick
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1404-03**	1	1/4-20 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 1492SS01 - 1/4-28 Stainless Steel Clamp

Item	Part Number	Qty.	Description
1	**X1407SS**	1	clamp bracket - 304SS, tumbled, .095 [2.41] thick
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 1492ZN - 1/4-20 Steel Clamp

Item	Part Number	Qty.	Description
1	**X1407ZN**	1	clamp bracket - steel, zinc plated, .095 [2.41] thick
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1404-03**	1	1/4-20 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 1492ZN01 - 1/4-28 Steel Clamp

Item	Part Number	Qty.	Description
1	**X1407ZN**	1	clamp bracket - steel, zinc plated, .095 [2.41] thick
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 1492SS05 - 1/4-20 316SS Clamp

Item	Part Number	Qty.	Description
1	**X1407SS01**	1	clamp bracket - 316SS, tumbled, .095 [2.41] thick
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1404-03**	1	1/4-20 x .75 [19.1] long slotted hex bolt, 316SS

Kit Part No. 1492SS04 - 1/4-28 316SS Clamp

Item	Part Number	Qty.	Description
1	**X1407SS01**	1	clamp bracket - 316SS, tumbled, .095 [2.41] thick
2	**X1402-01**	1	spring, 316SS
3	**X1403-01**	1	.63 [15.9] O.D. washer, 316SS
4	**X1405-03**	1	1/4-28 x .75 [19.1] long slotted hex bolt, 316SS

316SS

NEMA Lever Clamp Assembly Kits

Kit Part No. 15ZN - 1/4-20 Steel Lever

Part Number	Qty.	Description
1450ZN	1	1/4-28 lever clamp, steel
1490ZN	1	hold-down clamp, steel
X1402-01	1	spring, 316SS
X1403-01	1	.63 [15.9] O.D. washer, 316SS
X1406-01	1	.50 [12.7] O.D. washer, 316SS

Kit Part No. 15SS - 1/4-28 Stainless Steel Lever

Part Number	Qty.	Description
1450SS	1	1/4-28 lever clamp, 304SS
1490SS	1	hold-down clamp, 304SS
X1402-01	1	spring, 316SS
X1403-01	1	.63 [15.9] O.D. washer, 316SS
X1406-01	1	.50 [12.7] O.D. washer, 316SS

Kit Part No. 15SS01 - 1/4-20 Stainless Steel Lever

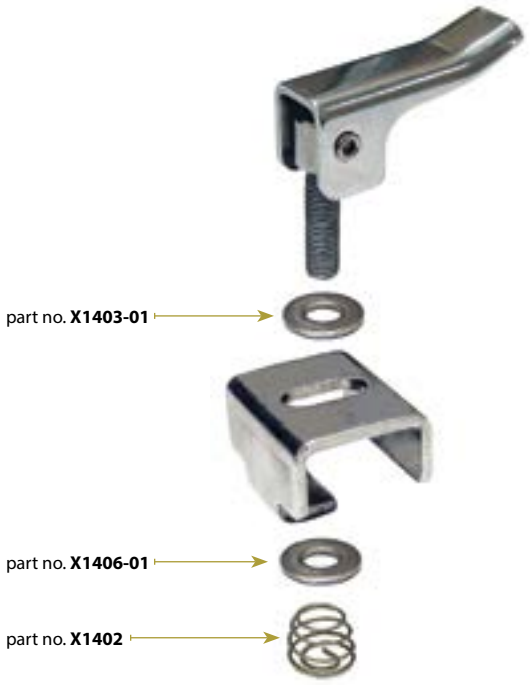
Part Number	Qty.	Description
1451SS	1	1/4-20 lever clamp, 304SS
1490SS	1	hold-down clamp, 304SS
X1402-01	1	spring, 316SS
X1403-01	1	.63 [15.9] O.D. washer, 316SS
X1406-01	1	.50 [12.7] O.D. washer, 316SS

Kit Part No. 15SS02 - 1/4-28 316SS Lever

Part Number	Qty.	Description
1450SS-02	1	1/4-28 lever clamp, 316SS
1490SS01	1	hold-down clamp, 316SS
X1402-01	1	spring, 316SS
X1403-01	1	.63 [15.9] O.D. washer, 316SS
X1406-01	1	.50 [12.7] O.D. washer, 316SS

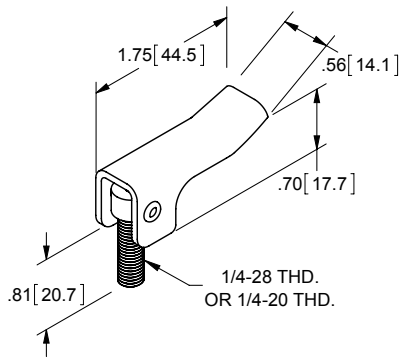
Features

- all parts meet NEMA 12 enclosure access requirements
- all sub-components may be purchased separately

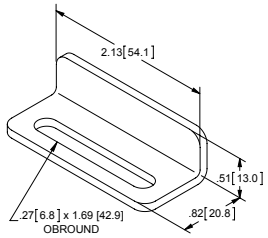


NEMA Lever Clamp

Part Number	Material.	Finish	Thread	Material Thickness
1450ZN	steel	zinc plated	1/4-28	.074 [1.88]
1450SS	304SS	mill	1/4-28	.074 [1.88]
1451SS	304SS	mill	1/4-20	.074 [1.88]
1450SS-02	316SS	mill	1/4-28	.074 [1.88]



Padlock Hasp and Staple Set



Kit Part No. 1801 - Steel

Part Number	Qty.	Description
180	1	steel, tumbled, .102 [2.59] thick padlock hasp
181	1	steel, mill finish, .074 [1.88] thick padlock staple

Kit Part No. 1801SS - Stainless Steel

Part Number	Qty.	Description
180SS	1	304SS, tumbled, .102 [2.59] thick padlock hasp
18101SS	1	304SS, tumbled, .074 [1.88] thick padlock staple

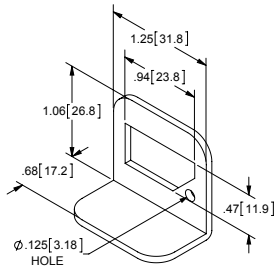
Kit Part No. 1801SS-01 - 316SS

Part Number	Qty.	Description
180SS-01	1	316SS, tumbled, .102 [2.59] thick padlock hasp
18101SS-01	1	316SS, tumbled, .074 [1.88] thick padlock staple

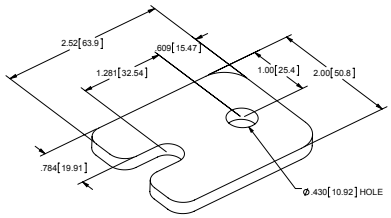
Kit Part No. 1801A - Aluminum

Part Number	Qty.	Description
180A	1	aluminum, tumbled, .102 [2.59] thick padlock hasp
181A	1	aluminum, tumbled, .074 [1.88] thick padlock staple

▸ kit parts can be purchased separately

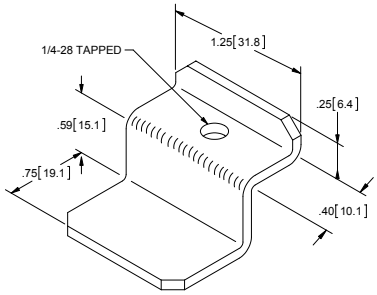


Mounting Foot



Part Number	Material	Finish	Material Thickness
183	steel	mill	.189 [4.80]
18301SS	304SS	mill	.135 [3.43]
18301SS-01	316SS	mill	.118 [3.00]
183A	aluminum	mill	.197 [5.00]

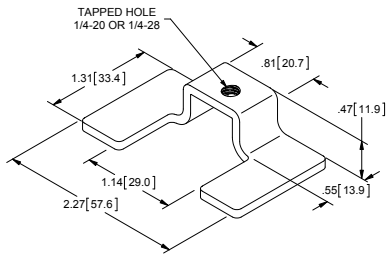
NEMA Clamp Bracket



Part Number	Material	Finish	Thread	Material Thickness
187	steel	mill	1/4-28	.090
18701SS	304SS	mill	1/4-28	.090
18701SST	316SS	mill	1/4-28	.090

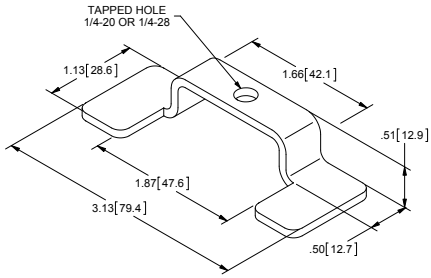
NEMA Door Clamp Bracket

Part Number	Material	Finish	Thread	Material Thickness
185	steel	tumbled	1/4-20	.105
185SS	304SS	tumbled	1/4-20	.105
185SS01	316SS	tumbled	1/4-20	.105
18501	steel	tumbled	1/4-28	.105
18501SS	304SS	tumbled	1/4-28	.105
18502SS	316SS	mill	1/4-28	.105
185A	aluminum	tumbled	1/4-20	.105
18501A	aluminum	tumbled	1/4-28	.105



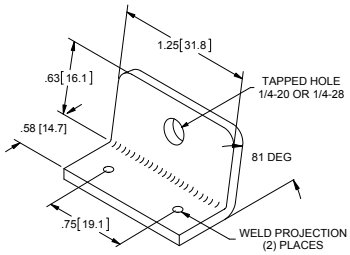
NEMA Door Clamp Bracket

Part Number	Material	Finish	Thread	Material Thickness
186	steel	mill	1/4-20	.098
186SS	304SS	mill	1/4-20	.098
18601	steel	mill	1/4-28	.098
18601SS	304SS	mill	1/4-28	.098



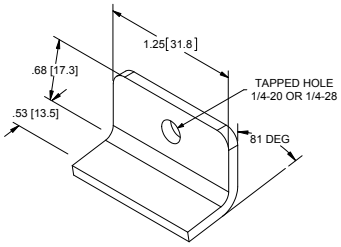
JIC Clamp Bracket with Weld Projections

Part Number	Material	Finish	Thread	Material Thickness
188	steel	tumbled	1/4-20	.098
188SS	304SS	tumbled	1/4-20	.098
188A	aluminum	tumbled	1/4-20	.098
18801	steel	tumbled	1/4-28	.098
18801SS	304SS	tumbled	1/4-28	.098
18801A	aluminum	tumbled	1/4-28	.098

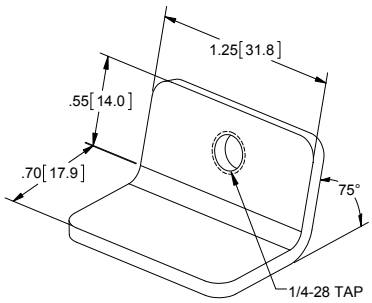


JIC Clamp Bracket

Part Number	Material	Finish	Thread	Material Thickness
18802	steel	tumbled	1/4-20	.098
18802SS	304SS	mill	1/4-20	.098
18803	steel	mill	1/4-28	.098
18803SS	304SS	mill	1/4-28	.098
18804SS	316SS	mill	1/4-28	.098
18803A	aluminum	mill	1/4-28	.098

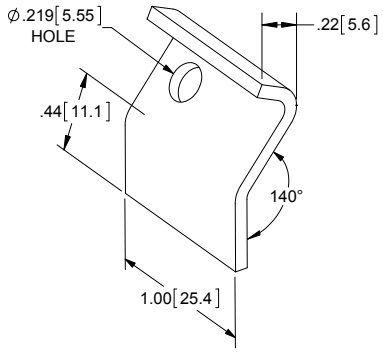


JIC Clamp Bracket



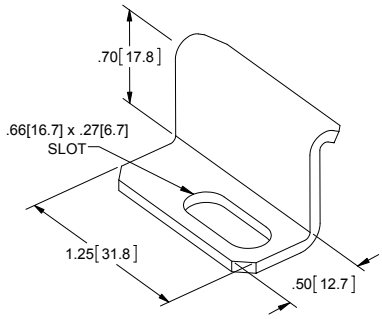
Part Number	Material	Finish	Thread	Material Thickness
182	steel	mill	1/4-28	.098 [2.50]
182SS	304SS	tumbled	1/4-28	.105 [2.67]
182SS01	316SS	tumbled	1/4-28	.105 [2.67]

JIC Lift-Off Hinge



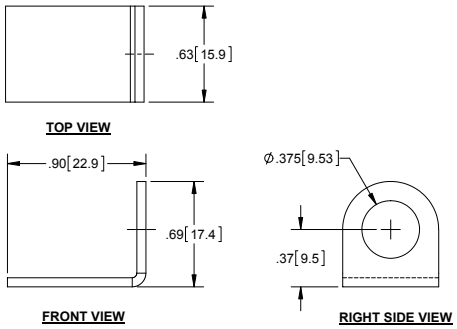
Part Number	Material	Finish	Material Thickness
184	steel	mill	.075 [1.91]
184SS	304SS	tumbled	.075 [1.91]
184A	aluminum	tumbled	.075 [1.91]
184SS01	316SS	tumbled	.075 [1.91]

JIC Cover Clamp



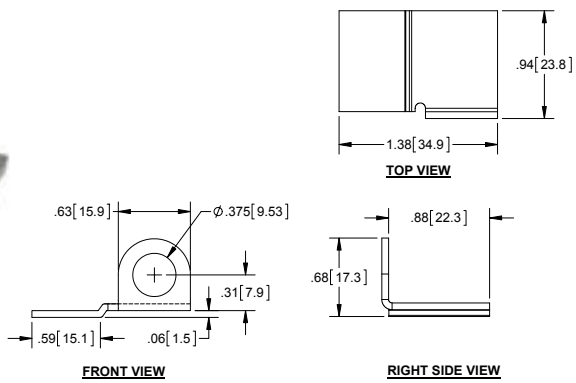
Part Number	Material	Finish	Material Thickness
16ZN	steel	yellow zinc plated	.074 [1.88]
16SS	304SS	tumbled	.074 [1.88]
16SS-01	316SS	tumbled	.074 [1.88]

JIC Padlock Box Staples



Part Number	Material	Finish	Material Thickness
J3061	steel	mill	.063 [1.60]
J3061SS	304SS	tumbled	.063 [1.60]

JIC Padlock Cover Staples



Part Number	Material	Finish	Material Thickness
J3060	steel	mill	.063 [1.60]
J3060SS	304SS	tumbled	.063 [1.60]

316SS Spring

Part Number	Material	Finish
X1402-01	316SS	mill

316SS Washer, .63 [15.9] O.D. x .05 [1.3] Thick

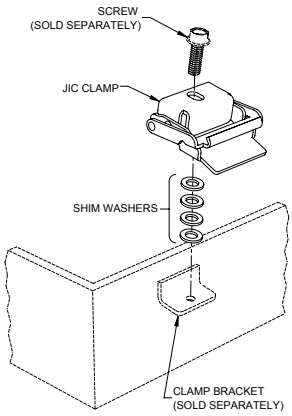
Part Number	Material	Finish
X1403-01	316SS	mill

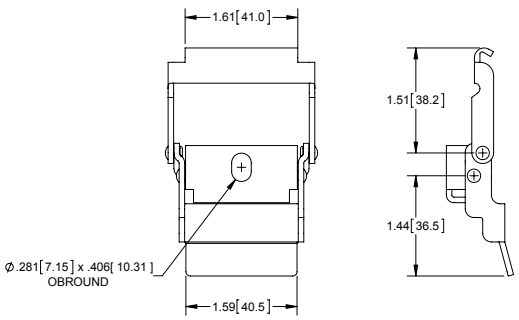
316SS JIC Cover Clamp Screws

Part Number	Size	Material	Finish
X1404-03	1/4-20	316SS	mill
X1405-03	1/4-28	316SS	mill

JIC Quick Release Clamp

Part Number	Material	Finish
2185ZN	steel	yellow zinc chromate
2185SS	304SS	tumbled
2185SS01	316SS	tumbled

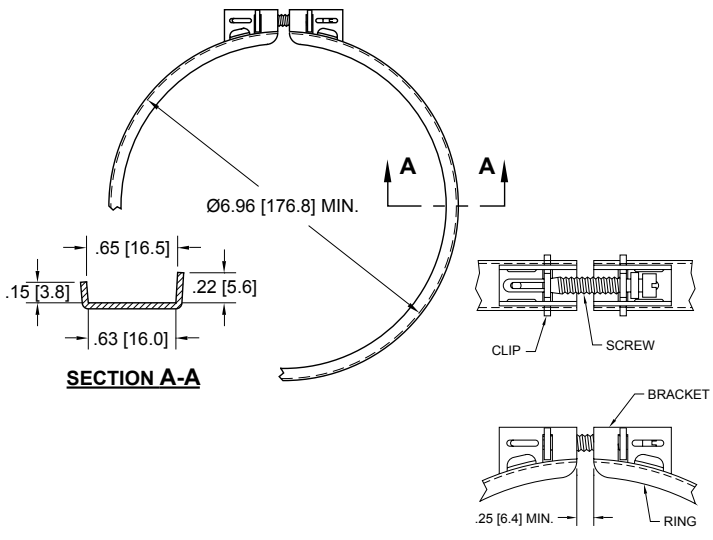




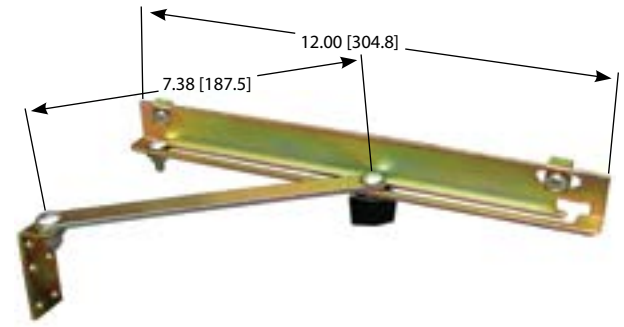
OPEN POSITION

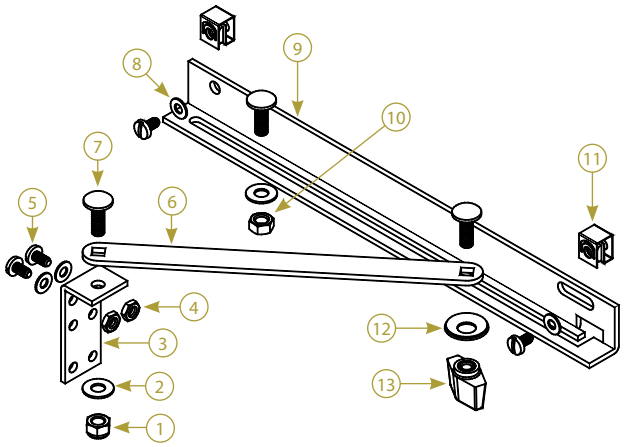
Meter Cover Sealing Ring

Part Number	Component	Description
J2014	Ring	.043 [1.09] aluminum, clear anodized
	Bracket	.043 [1.09] aluminum, clear anodized
	Clip	.093 [2.36] steel, yellow zinc chromate
	Screw	1/4-24 UNS thread steel, yellow zinc chromate



Door Stop Kit

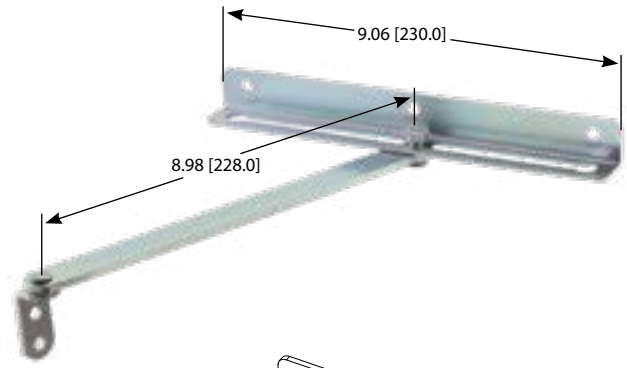


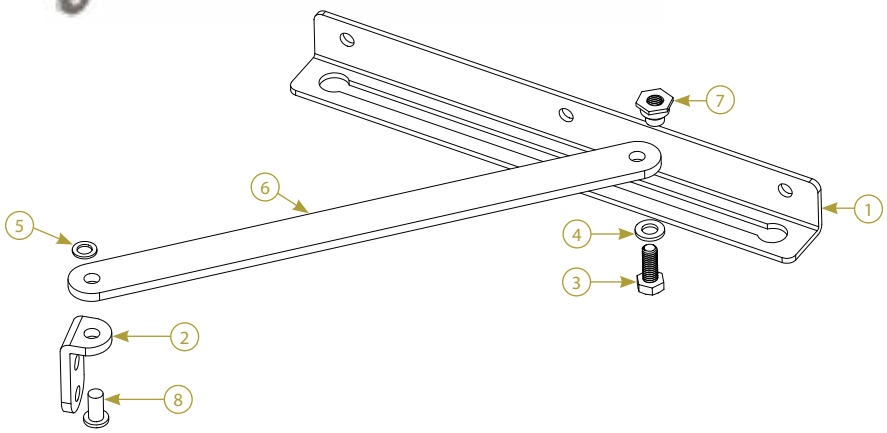


Part Number	Item	Description	Material	Finish	Qty.
1460ZN	1	1/4-20 nylon lock insert washer	18-8SS	mill	1
	2	1/4" x .63 [15.9] OD x .039 [1.00] washer	304SS	deburred	2
	3	door bracket	steel	zinc plated	1
	4	10-32 hex nut	18-8SS	mill	2
	5	10-32 x .38 [9.5] SPM screw	18-8SS	mill	4
	6	stop arm	steel	zinc plated	1
	7	1/4-20 .75 [19.1] carriage bolt	18-8SS	mill	3
	8	#10 x .44 [11.1] OD x .032 [.80] washer	nylon	natural	4
	9	mounting bracket	steel	zinc plated	1
	10	1/4-20 hex washer	18-8SS	mill	1
	11	clip nut	steel	zinc plated	2
	12	sealing washer	18-8SS / neoprene	deburred / black	1
	13	wing knob	phenolic	black	1

- lock in any position with finger turn wing knob

Steel Door Stop





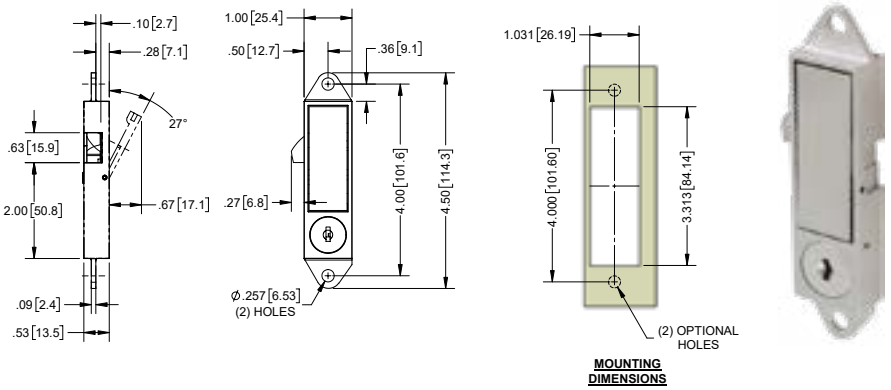
Part Number	Item	Description	Material	Finish	Qty.
1462ZN	1	base hasp	steel	zinc plated	1
	2	mounting bracket	steel	zinc plated	1
	3	M6 x 1.0 cap screw	steel	zinc plated	1
	4	large washer	steel	zinc plated	1
	5	small washer	steel	zinc plated	1
	6	rotating hasp	steel	zinc plated	1
	7	bolt	steel	zinc plated	1
	8	pin	steel	zinc plated	1

- detent/pop-up feature locks position at end

Push to Close Latch

Part Number	Material	Finish
1140	die cast zinc	textured chrome

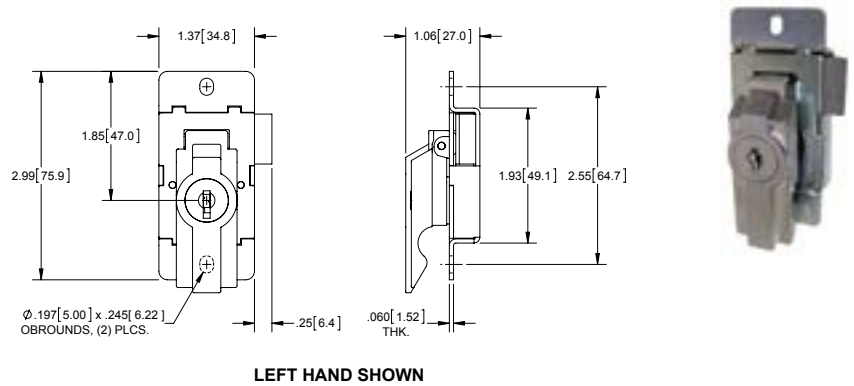
- includes (1) brass key



Panel Board Latch

Part Number	Key Code (2 Keys)	Left or Right	Finish
GE1LH	CAT 60	left	zinc plated
GE1RH	CAT 60	right	zinc plated
GE1LH1	SP 60	left	zinc plated
GE1RH1	SP 60	right	zinc plated

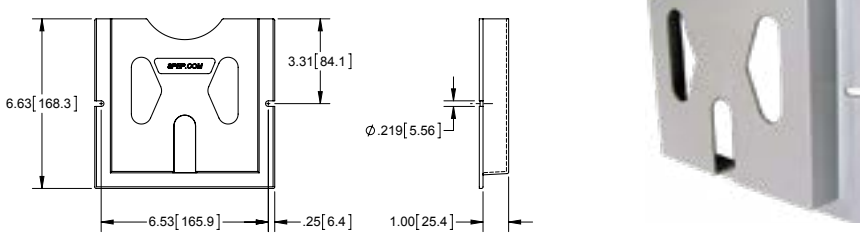
- lever and bolt are die cast zinc
- case is formed steel
- maximum intended panel thickness is .120 [3.05]
- key removable in locked or unlocked position



Small Print Pocket

Part Number	Double Sided Tape	Material
177P	yes	ANSI 61 gray polystyrene
177P-04	no	ANSI 61 gray polystyrene

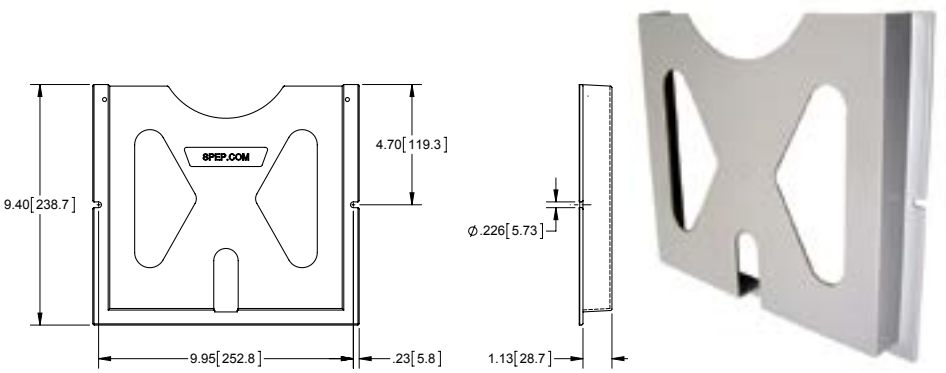
- pockets are individually polybagged
- custom logos and instruction sheet available if ordered in sufficient quantity



Large Print Pocket

Part Number	Double Sided Tape	Material
179P	yes	ANSI 61 gray polystyrene
179P-10	yes heavy duty tape	ANSI 61 gray polystyrene
179P-04	no	ANSI 61 gray polystyrene

- pockets are individually polybagged
- custom logos and instruction sheet available if ordered in sufficient quantity



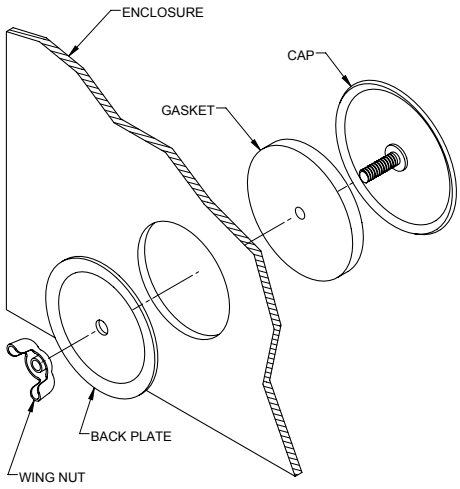
Oil-Tight Hole Seals 316SS UL

steel, gray painted

stainless steel, brushed

steel,
RAL 7035 textured powder coat

steel,
ANSI 61 textured gray powder coat



VIEW FROM INSIDE OF ENCLOSURE

Part Number	Material / Finish	Application	Max. Hole Diameter	Hole Seal O.D.
T110	steel, ANSI 61 gray painted cap	miniature oil-tight push-button holes	.88 [22.4]	1.22 [31.0]
T110-07	steel, RAL 7035 gray textured powder coat			
T110-10	steel, ANSI 61 textured gray powder coat cap			
T110SS	304SS cap and weld stud with steel back plate and wing nut			
T110SS-10	304SS cap & components			
T110SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T114	steel, ANSI 61 gray painted cap	1/2-inch [13] conduit holes	.88 [22.4]	1.38 [35.1]
T114-07	steel, RAL 7035 gray textured powder coat			
T114-10	steel, ANSI 61 textured gray powder coat cap			
T114SS	304SS cap and weld stud with steel back plate and wing nut			
T114SS-10	304SS cap & components			
T114SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T116	steel, ANSI 61 gray painted cap	3/4-inch [19] conduit holes	1.06 [26.9]	1.56 [39.6]
T116-07	steel, RAL 7035 gray textured powder coat			
T116-10	steel, ANSI 61 textured gray powder coat cap			
T116SS	304SS cap and weld stud with steel back plate and wing nut			
T116SS-10	304SS cap & components			
T116SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T112	steel, ANSI 61 gray painted cap	standard oil-tight push-button holes	1.25 [31.8]	1.75 [44.5]
T112-07	steel, RAL 7035 gray textured powder coat			
T112-10	steel, ANSI 61 textured gray powder coat cap			
T112SS	304SS cap and weld stud with steel back plate and wing nut			
T112SS-10	304SS cap & components			
T112SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T118	steel, ANSI 61 gray painted cap	1-inch [25] conduit holes	1.38 [35.1]	1.88 [47.8]
T118-07	steel, RAL 7035 gray textured powder coat			
T118-10	steel, ANSI 61 textured gray powder coat cap			
T118SS	304SS cap and weld stud with steel back plate and wing nut			
T118SS-10	304SS cap & components			
T118SST-10	316SS cap and weld stud with 304SS back plate and wing nut			

316SS UL Oil-Tight Hole Seals

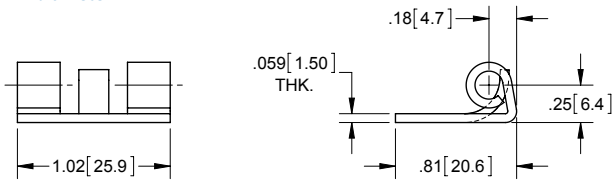
Part Number	Material / Finish	Application	Max. Hole Diameter	Hole Seal O.D.
T120	steel, ANSI 61 gray painted cap	1 1/4-inch [32] conduit holes	1.69 [42.9]	2.19 [55.6]
T120-07	steel, RAL 7035 gray textured powder coat			
T120-10	steel, ANSI 61 textured gray powder coat cap			
T120SS	304SS cap and weld stud with steel back plate and wing nut			
T120SS-10	304SS cap & components			
T120SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T122	steel, ANSI 61 gray painted cap	1 1/2-inch [38] conduit holes	2.00 [50.8]	2.50 [63.5]
T122-07	steel, RAL 7035 gray textured powder coat			
T122-10	steel, ANSI 61 textured gray powder coat cap			
T122SS	304SS cap and weld stud with steel back plate and wing nut			
T122SS-10	304SS cap & components			
T122SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T124	steel, ANSI 61 gray painted cap	2-inch [51] conduit holes	2.50 [63.5]	3.00 [76.2]
T124-07	steel, RAL 7035 gray textured powder coat			
T124-10	steel, ANSI 61 textured gray powder coat cap			
T124SS	304SS cap and weld stud with steel back plate and wing nut			
T124SS-10	304SS cap & components			
T124SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T126	steel, ANSI 61 gray painted cap	2 1/2-inch [64] conduit holes	3.00 [76.2]	3.50 [88.9]
T126-07	steel, RAL 7035 gray textured powder coat			
T126-10	steel, ANSI 61 textured gray powder coat cap			
T126SS	304SS cap and weld stud with steel back plate and wing nut			
T126SS-10	304SS cap & components			
T126SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T128	steel, ANSI 61 gray painted cap	3-inch [76] conduit holes	3.62 [92.0]	4.12 [104.7]
T128-07	steel, RAL 7035 gray textured powder coat			
T128-10	steel, ANSI 61 textured gray powder coat cap			
T128SS	304SS cap and weld stud with steel back plate and wing nut			
T128SS-10	304SS cap & components			
T128SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T130	steel, ANSI 61 gray painted cap	3 1/2-inch [89] conduit holes	4.12 [104.7]	4.62 [117.4]
T130-07	steel, RAL 7035 gray textured powder coat			
T130-10	steel, ANSI 61 textured gray powder coat cap			
T130SS	304SS cap and weld stud with steel back plate and wing nut			
T130SS-10	304SS cap & components			
T130SST-10	316SS cap and weld stud with 304SS back plate and wing nut			
T132	steel, ANSI 61 gray painted cap	4-inch [102] conduit holes	4.62 [117.4]	5.12 [130.1]
T132-07	steel, RAL 7035 gray textured powder coat			
T132-10	steel, ANSI 61 textured gray powder coat cap			
T132SS	304SS cap and weld stud with steel back plate and wing nut			
T132SS-10	304SS cap & components			
T132SST-10	316SS cap and weld stud with 304SS back plate and wing nut			

- protects knockout openings and extra push-button or conduit openings from dirt, oil, dust and water
- UL listed & recognized

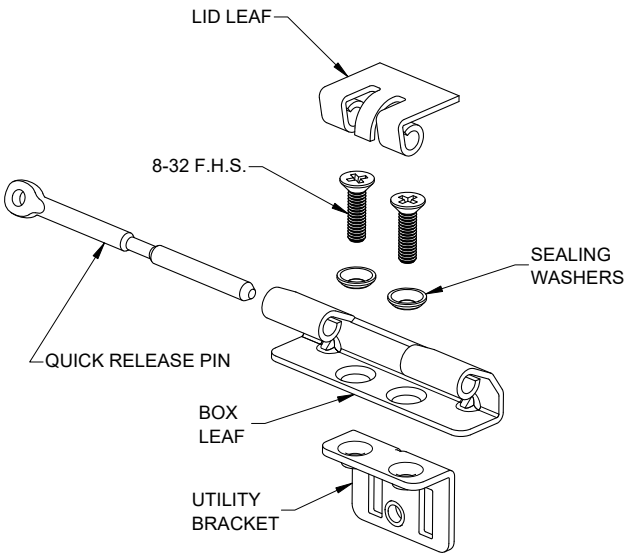
Electrical Box Hinge Assembly Kits - Quick Release Pin

Kit Part Number	Component Part Number	Description	Material	Finish
J2088SS	X127-03	quick release pin	304SS	mill
	X123SS	box leaf	304SS	mill
	J2073SS	lid leaf	304SS	mill
	X124SS	8-32 FHS	18-8SS	mill
	J2074ZN	utility bracket	steel	zinc
	P1037	sealing washer	nylon	smooth

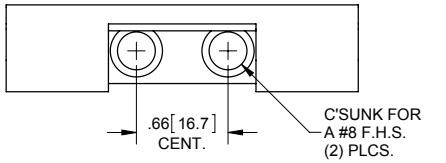
- for a proper seal between box leaf, electrical box and utility bracket, the through holes on the electrical box must be .234 [5.94] - .236 [6.00] diameter

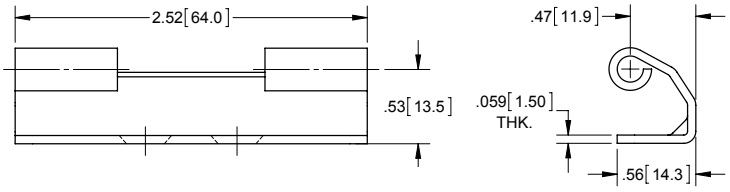


LID LEAF

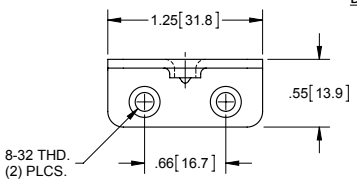


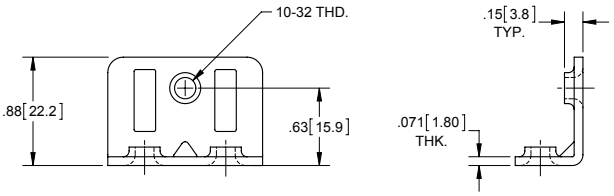
EXPLODED VIEW





BOX LEAF



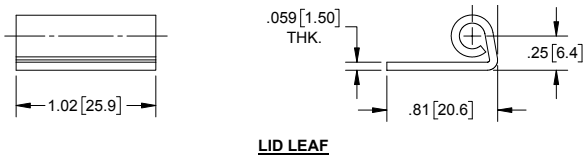


UTILITY BRACKET

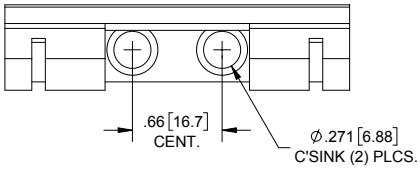
Electrical Box Hinge Assembly Kit - Quick Release Pin

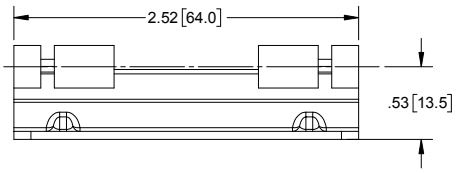
Kit Part Number	Component Part Number	Description	Material	Finish
J2098SS	---	box leaf	304SS	mill
	---	quick release pin	304SS	mill
	P1038	plastic clip	plastic	yellow
	J2077SS	lid leaf	304SS	mill
	J2074ZN	utility bracket	steel	zinc plated
	X124SS	8-32 thd. x 5/8" long FHS	stainless steel	mill
	P1037	sealing washer	nylon	smooth

- for a proper seal between box leaf, electrical box and utility bracket, the through holes on the electrical box must be .234 [5.94] - .236 [6.00] diameter
- when mounted, hinge is concealed for higher security
- features a captive pin design to prevent pin from slipping out with vibration or when installing in different orientations

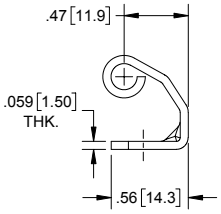


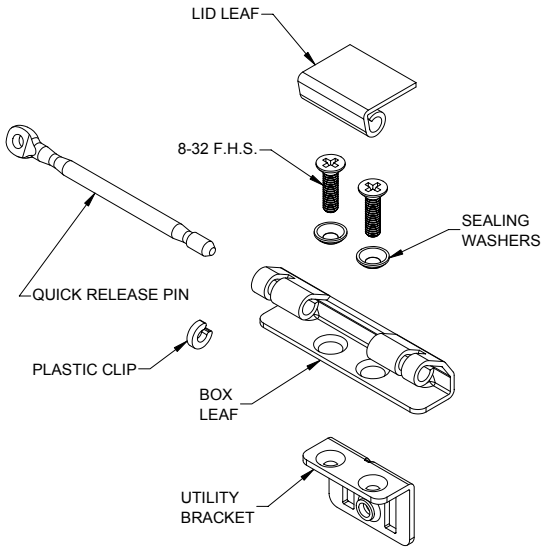
LID LEAF





BOX LEAF





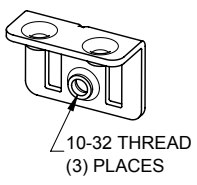
EXPLODED VIEW

10-32 Thread Utility Bracket and Screws

Part Number	Description	Material	Finish
J2115SS	#10-32 screws & seal washers	304SS screws Teflon nylon washers	mill screws smooth washers
J2074ZN-01	utility bracket	steel	zinc plated

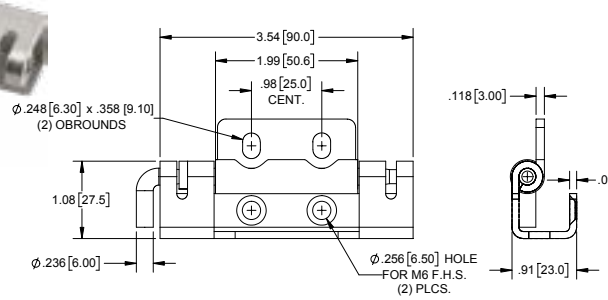
- for a proper seal between box leaf, electrical box and utility bracket, the through holes on the electrical box must be .234 [5.94] - .236 [6.00] diameter

10-32 F.H.S.



UTILITY BRACKET

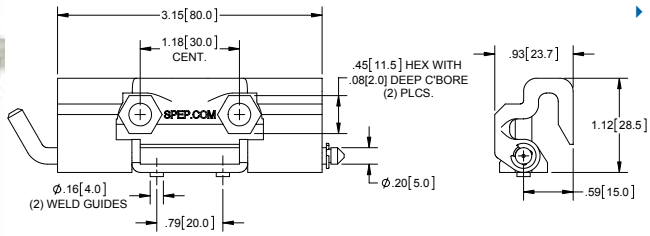
Heavy Duty Hinges with Quick Release Pin



Part Number	Material	Finish
J2188	steel	zinc plated
J2188SS	304SS	passivated

- includes:
  - box leaf
  - lid leaf
  - pin
  - capture ring
- features a captive pin design to prevent pin from slipping out with vibration or when installing in different orientations

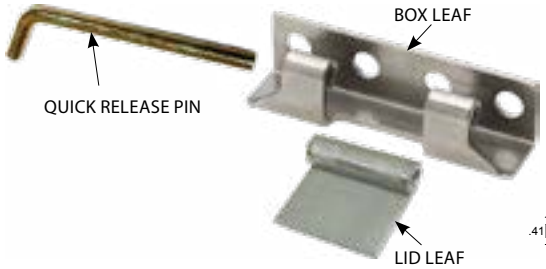
Enclosure Hinge Kits with Cast Box Leaves

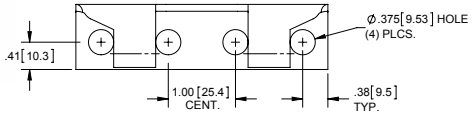


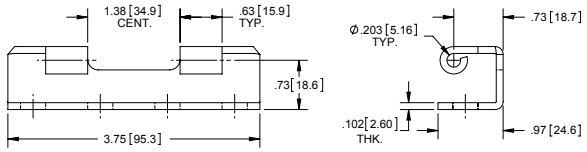
Part Number	Box Leaf Material	Finish
J2130	die cast zinc	clear zinc
J2130SS	304SS	passivated

- includes:
  - box leaf
  - lid leaf
  - pin
  - c-clip
  - (2) 1/4-20 screws
  - (2) sealing washers
  - (2) 1/4-20 nylon nuts

Enclosure Hinge

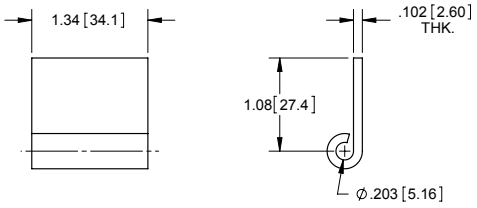






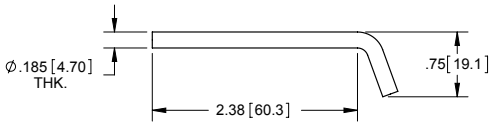
Box Leaf

Part Number	Material	Finish
J3090	steel	zinc plated
J3090SS	304SS	tumbled
J3090SST	316SS	tumbled



Lid Leaf

Part Number	Material	Finish
J3091	steel	mill
J3091SS	304SS	mill



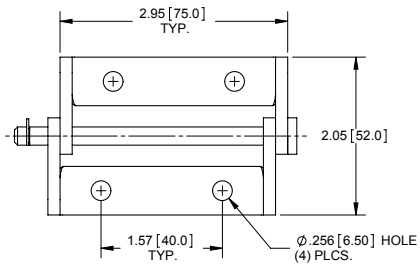
Quick Release Pin

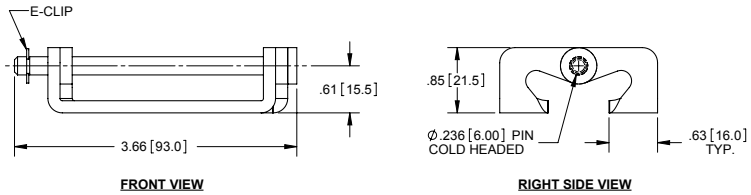
Part Number	Material	Finish
J3092	steel	zinc & yellow chromate
J3092SS	304SS	mill

Hinge Assembly with Removable Pin

Part Number	Material	Finish
H2064ZN	steel	zinc plated
H2064SS	304SS	passivated

- hinge may be quickly unassembled by removing e-clip and releasing the pin

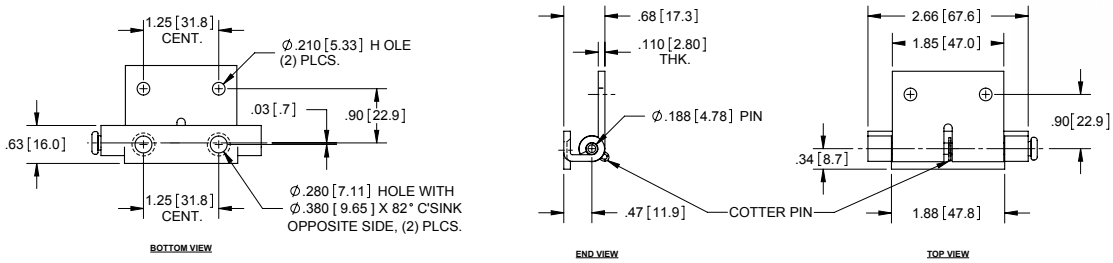




Hinge Assembly with Quick Release Pin

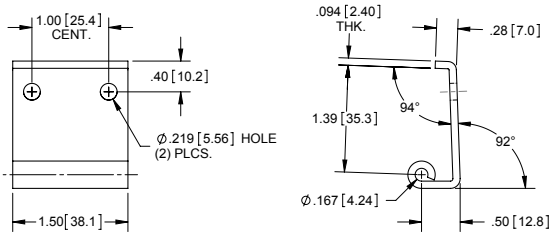
Part Number	Material	Finish
H2039ZN	steel	zinc plated

- hinge may be quickly unassembled by removing cotter pin and releasing the pin

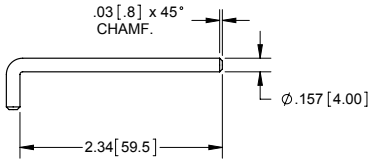


Hinge Body and Hinge Pin

Part Number	Material	Finish
J3093	steel	zinc & yellow chromate



Part Number	Material	Finish
J3095	steel	zinc & yellow chromate



CUSTOM HARDWARE SPECIALISTS

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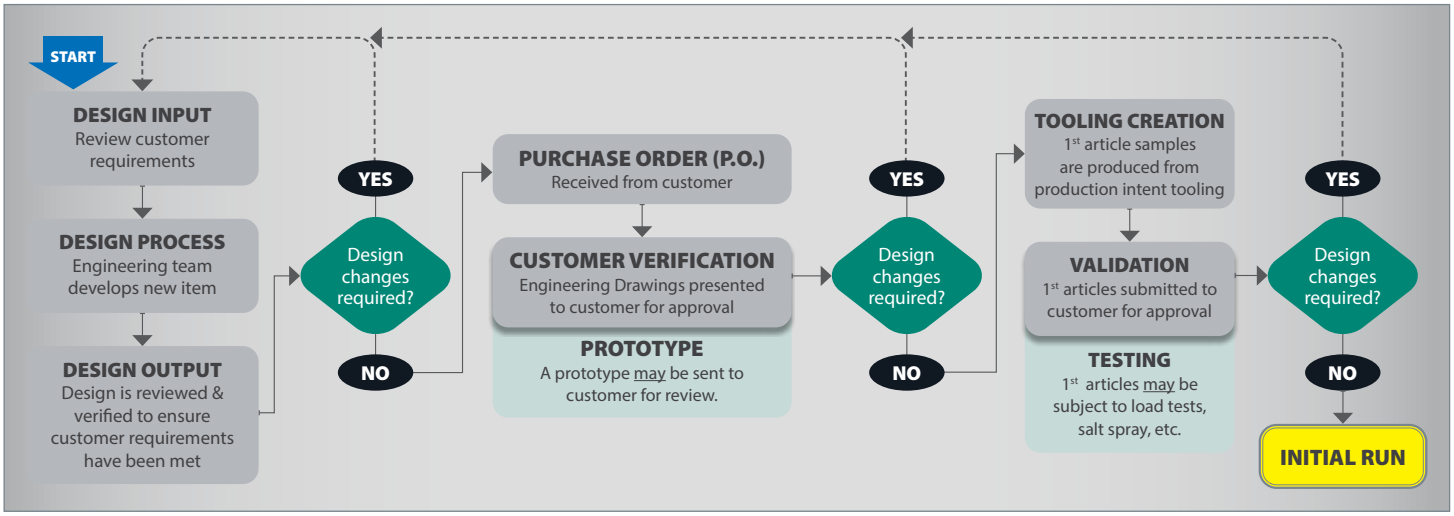
Sierra Pacific Engineering and Products offers custom hardware design and engineering services to help you get the right custom part for your needs. This manufacturing design guide outlines what to expect while partnering with SPEP to develop a new item. We have optimized our engineering design process to have the perfect balance of being responsive to your needs and maintaining the highest level of detail.



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Excerpts From "A Guide for Selecting Continuous Hinges"

Foreword

In 1970, continuous hinge manufacturing members of the Builders Hardware Manufacturers Association, Inc. **(BHMA)** initiated an extensive testing program. It started with in-house testing at two member company facilities and culminated with two phases of testing conducted for the BHMA by the Illinois Institute of Technology (IIT). The findings of the IIT were analyzed by an independent mechanical engineer whose recommendations formed the basis for this guide.

General

2.1	The criteria in this guide is based upon yield load and not upon ultimate load (failure). The ratio of ultimate load to yield load is at least 1.5 for all hinges and is a natural safety factor. Impact or shock loads are not included.
2.2	Additional safety factors should be considered based on the material requirement. Generally harder materials, or metals, result in stronger hinges.

Strength Factors

3.1	Hinges are strongest in horizontal stress when the forces are applied perpendicular to the hinge pin. Hinges are weakest in vertical stress when the forces are applied parallel to the pin.
3.2	In horizontal load, the strength per unit of length is constant. The longer the hinge, the stronger it will be.
3.3	In vertical load, strength increases with the square of the length.
3.4	As the hinge leaf thickness increases, hinge strength increases.
3.5	As the diameter of the hinge pin is reduced, hinge strength increases provided the pin diameter is not reduced below twice the thickness of the leaf.
3.6	Under vertical stress, shorter hinge knuckles provide greater strength.

Recommended Selection Criteria

4.1	When applicable, use a hinge thickness approximately the same as the material to which the hinge is to be attached.
4.2	Select hinges with the smallest possible knuckle length and having at least 10 knuckles.
4.3	Choose a hinge having the smallest pin diameter (see 3.5) available for the hinge thickness selected.
4.4	Apply a hinge with the knuckles always out if the hinge is to be used under horizontal stress only. Using this application, the strength will not vary with the angle of opening.
4.5	Lubricating hinges weakens them by a factor of about 25%. Allow a safety factor of 25% if hinges are to be lubricated.

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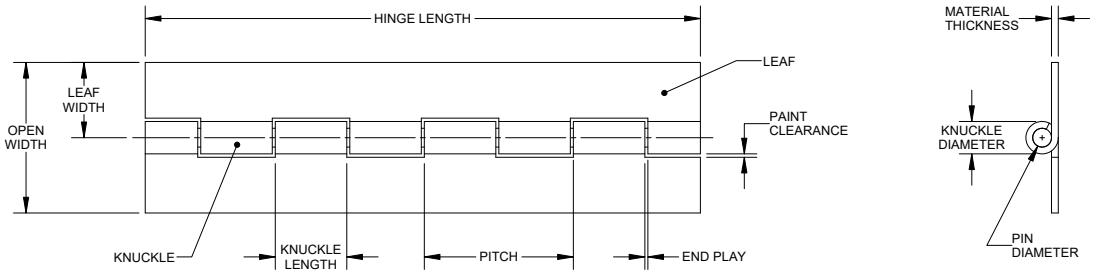
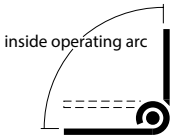
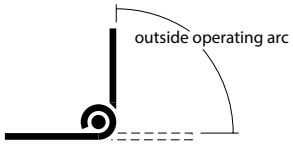
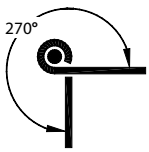
Continuous Hinge Terminology

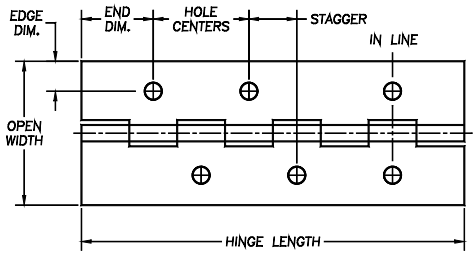


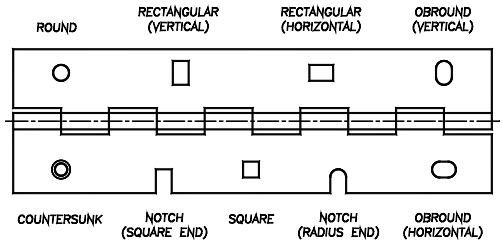
Material Thickness	The thickness of the hinge leaf.
Leaf	The portion of a hinge extending laterally from the knuckle and which usually revolves around a pin.
Open Width	The overall dimension of the leaves measured perpendicular to, or across, the pin.
Knuckle	The hollow circular part at the joint of a hinge through which a pin is passed. The knuckle is often called a loop, joint, node or curl.
Knuckle Diameter	The outside diameter of the knuckle.
Knuckle Length	The nominal or typical dimension of the knuckle measured parallel to the pin.
Pitch	The dimension from a point on the knuckle to the same point on an adjacent knuckle on the same leaf.
Paint Clearance	The minimum dimension between the outer face of the knuckle and the opposing edge of the cutout over the hinge's entire range of pivotal movement.
End Play	The amount of axial movement between the leaves.
Plain or Standard Assembly	This is a surface-type hinge. The leaves lie flat in the same plane when in the open position. Unless otherwise indicated, this type of hinge will be furnished. open closed
Reverse Assembly	Neither leaf swaged. Opposing leaves extend laterally from opposite sides of pin. Leaves will not close to parallel position. open
Swaging	The forming of one or both leaves toward or beyond the center of the pin. Swaging slightly increases leaf width. swaging
Both Leaves Half-Swaged	Both leaves are swaged approximately one-half the pin diameter with a minimum clearance between leaves when parallel. both leaves half swaged

One Leaf Half-Swaged	One leaf swaged one-half the pin diameter. one leaf half swaged
One Leaf Full-Swaged	One leaf swaged equal to the pin diameter. Both leaves parallel when in a closed position. one leaf full swaged
Reversed Swaged	One leaf swaged to simulate reversed assembly. Leaves will not close to a parallel position. reversed swaged
Offset	Forming one or both leaves away from the center of the pin. Offsetting slightly decreases leaf width. offset
Multiple	This hinge has two pins or more for special applications. multiple
Stop Hinge	A hinge manufactured to limit the travel of the leaves to a specified angle.
Inside Stop Hinge	Leaves will open from a closed position, leaves parallel to each other, to a stop angle as specified.  inside operating arc
Outside Stop Hinge	Leaves move from an open or flat position and stop at a specified angle.  outside operating arc
Back Angle	Usual maximum arc of 270° which varies from series to series and can be changed for custom applications.  270° back angle

Continuous Hinge Terminology

Perforating Terminology





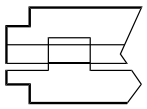
Hole Locations
A sketch or sample showing their locations is usually required for quoting. Please submit your drawing or print.

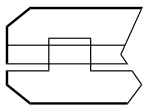
Perforating

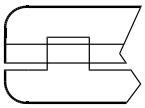
Many designs for perforating are available. When ordering or requesting a quotation, include: hinge dimension, hole diameter and type, hole centers, edge dimensions. Ask about any standard hole patterns. Above are several common perforating designs.

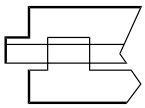
Notched Leaves

some of the more commonly used designs are:


corners notched


angled corners


radius corners


complete corners notched

Formed Leaves

Formed hinge leaves can be supplied in a variety of configurations (including those illustrated here). Dimensions should be taken from the pin center line and inside of forms. Unless otherwise indicated, the inside radius of the form is the same as the material thickness.

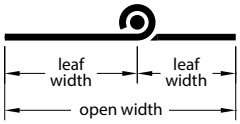
both leaves formed down 90°

one leaf formed up to 90°

both leaves formed up 90°

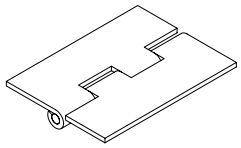
Unequal Leaves

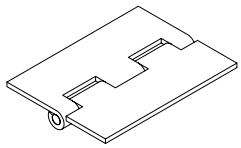
Unequal leaves are available on all hinges. Widths are measured from the pin center line to the leaf's outer edge. For the most economic method, unequal open width should be a product of a standard hinge width; however, unequal leaves with nonstandard widths are also available.



Length

continuous hinges can be cut to exact length as required. Hinges should, however, be designed to a length that is a multiple of the knuckle length to eliminate partial knuckles. If a partial knuckle cannot be avoided, please keep the following points in mind: (1) partial knuckle lengths should be the same as, or larger than, the knuckle diameter; (2) when partial knuckles are required on both ends, they should be on the same leaf; (3) please be advised that continuous hinges with partial end knuckles on one leaf may not rotate as freely as full end knuckles.


full-end knuckle

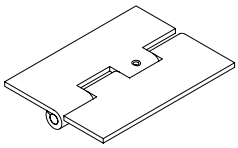

partial-end knuckle

Pin Retention

All standard continuous hinges are stocked with loose pins and flush cut ends, with the exception of steel, aluminum, and stainless steel hinges with quarter inch knuckles which will be staked to retain the pins.

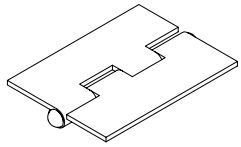
Staked Pin

Upsetting the knuckle(s) of one leaf secures the pin and prevents axial movement of the pin in the knuckle. Staking is usually located on the bottom of the knuckle in a uniform, consistent pattern.


staked pin

Spun Pin Both Ends

One or both ends of the pin are cold formed to a diameter greater than the inside diameter of the knuckle. This prevents axial movement. Pins spun at both ends are most commonly specified for tamper proof application.


both ends spun pin

Mill Finish - Steel Continuous Hinges

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
S20764 ▲	.025	.75	.062	1/4	72"
S21064 ▲	.025	1.00	.062	1/4	72"
S21264 ‡▲	.025	1.25	.062	1/4	72"
S21564 ‡▲	.025	1.50	.062	1/4	72"
S30765 ‡	.032	.75	.063	1/2	72"
S31065 ‡	.032	1.00	.063	1/2	72"
S31165 ‡	.032	1.06	.063	1/2	72"
S31265 ‡	.032	1.25	.063	1/2	72"
S31565 ‡	.032	1.50	.063	1/2	72"
S30784 ▲	.035	.75	.086	1/4	72"
S31084 ▲	.035	1.06	.086	1/4	72"
S3108496 ▲	.035	1.06	.086	1/4	96"
S31284 ▲	.035	1.25	.086	1/4	72"
S3128496 ▲	.035	1.25	.086	1/4	96"
S31584 ▲	.035	1.50	.086	1/4	72"
S3158496 ▲	.035	1.50	.086	1/4	96"
S31784 ▲	.035	1.75	.086	1/4	72"
S32084 ▲	.035	2.00	.086	1/4	72"
S41074 ▲	.042	1.06	.076	1/4	72"
S41274 ▲	.042	1.25	.076	1/4	72"
S41574 ▲	.042	1.50	.076	1/4	72"
S42074 ▲	.042	2.00	.076	1/4	72"
S41095	.042	1.06	.091	1/2	72"
S41295	.042	1.25	.091	1/2	72"
S41595	.042	1.50	.091	1/2	72"
S4159596	.042	1.50	.091	1/2	96"
S42095	.042	2.00	.091	1/2	72"
S51098 ‡	.050	1.06	.091	5/8	72.5"
S51298 ‡	.050	1.25	.091	5/8	72.5"
S51598 ‡	.050	1.50	.091	5/8	72.5"
S52098 ‡	.050	2.00	.091	5/8	72.5"
S52598 ‡	.050	2.50	.091	5/8	72.5"
S53098 ‡	.050	3.00	.091	5/8	72.5"
S51016	.050	1.06	.115	5/16	72.187"
S51216	.050	1.25	.115	5/16	72.187"
S51516	.050	1.50	.115	5/16	72.187"
S52016 ‡	.050	2.00	.115	5/16	72.187"
S52516	.050	2.50	.115	5/16	72.187"
S53016 ‡	.050	3.00	.115	5/16	72.187"
S51015	.050	1.06	.120	1/2	72"
S51215	.050	1.25	.120	1/2	72"
S51515	.050	1.50	.120	1/2	72"
S52015	.050	2.00	.120	1/2	72"
S5201596	.050	2.00	.120	1/2	96"
S52515	.050	2.50	.120	1/2	72"
S53015	.050	3.00	.120	1/2	72"

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
S53515	.050	3.50	.120	1/2	72"
S54015 ‡	.050	4.00	.120	1/2	72"
S61015	.060	1.06	.120	1/2	72"
S61215	.060	1.25	.120	1/2	72"
S6121596	.060	1.25	.120	1/2	96"
S61515	.060	1.50	.120	1/2	72"
S6151596	.060	1.50	.120	1/2	96"
S61715 ‡	.060	1.75	.120	1/2	72"
S62015	.060	2.00	.120	1/2	72"
S6201596	.060	2.00	.120	1/2	96"
S62515	.060	2.50	.120	1/2	72"
S63015	.060	3.00	.120	1/2	72"
S6301596	.060	3.00	.120	1/2	96"
S63515	.060	3.50	.120	1/2	72"
S64015	.060	4.00	.120	1/2	72"
S61211	.060	1.25	.120	1	72"
S61511	.060	1.50	.120	1	72"
S6151196	.060	1.50	.120	1	96"
S61711 ‡	.060	1.75	.120	1	72"
S62011	.060	2.00	.120	1	72"
S62511	.060	2.50	.120	1	72"
S63011	.060	3.00	.120	1	72"
S63511	.060	3.50	.120	1	72"
S64011	.060	4.00	.120	1	72"
S61517	.060	1.50	.187	1/2	72"
S62017	.060	2.00	.187	1/2	72"
S62517	.060	2.50	.187	1/2	72"
S63017	.060	3.00	.187	1/2	72"
S63517	.060	3.50	.187	1/2	72"
S64017	.060	4.00	.187	1/2	72"
S61518	.060	1.50	.187	5/8	72.5"
S62018	.060	2.00	.187	5/8	72.5"
S6201896 ‡	.060	2.00	.187	5/8	96.25"
S62518	.060	2.50	.187	5/8	72.5"
S63018	.060	3.00	.187	5/8	72.5"
S6301896	.060	3.00	.187	5/8	96.25"
S63518 ‡	.060	3.50	.187	5/8	72.5"
S64018 ‡	.060	4.00	.187	5/8	72.5"
S61519	.060	1.50	.187	1	72"
S62019	.060	2.00	.187	1	72"
S62519	.060	2.50	.187	1	72"
S63019 ‡	.060	3.00	.187	1	72"
S64019	.060	4.00	.187	1	72"

▲ these hinges have staked pins
‡ these hinges are non-stock

Mill Finish - Steel Continuous Hinges

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
S61521	.060	1.50	.250	1	72"
S62021	.060	2.00	.250	1	72"
S62521	.060	2.50	.250	1	72"
S63021	.060	3.00	.250	1	72"
S63521	.060	3.50	.250	1	72"
S64021	.060	4.00	.250	1	72"
S71515 ‡	.074	1.50	.187	1/2	72"
S72015	.074	2.00	.187	1/2	72"
S72515 ‡	.074	2.50	.187	1/2	72"
S73015 ‡	.074	3.00	.187	1/2	72"
S74015 ‡	.074	4.00	.187	1/2	72"
S71511	.074	1.50	.187	1	72"
S72011	.074	2.00	.187	1	72"
S7201196	.074	2.00	.187	1	96"
S72511	.074	2.50	.187	1	72"
S73011	.074	3.00	.187	1	72"
S74011	.074	4.00	.187	1	72"
S71521	.074	1.50	.250	1	72"
S72021	.074	2.00	.250	1	72"
S7202196	.074	2.00	.250	1	96"
S72521	.074	2.50	.250	1	72"
S7252196	.074	2.50	.250	1	96"
S73021	.074	3.00	.250	1	72"
S7302196	.074	3.00	.250	1	96"
S73521	.074	3.50	.250	1	72"
S74021	.074	4.00	.250	1	72"
S74521	.074	4.50	.250	1	72"
S75021	.074	5.00	.250	1	72"
S91521	.090	1.50	.250	1	72"
S92021	.090	2.00	.250	1	72"
S92521	.090	2.50	.250	1	72"
S93021	.090	3.00	.250	1	72"
S93521	.090	3.50	.250	1	72"
S94021	.090	4.00	.250	1	72"
S12022	.120	2.00	.250	2	72"
S1202296	.120	2.00	.250	2	96"
S12522 ‡	.120	2.50	.250	2	72"
S13022	.120	3.00	.250	2	72"
S1302296	.120	3.00	.250	2	96"
S14022	.120	4.00	.250	2	72"
S1402296	.120	4.00	.250	2	96"
S15022 ‡	.120	5.00	.250	2	72"
S16022 ‡	.120	6.00	.250	2	72"
S12032	.120	2.00	.375	2	72"
S12532	.120	2.50	.375	2	72"
S13032	.120	3.00	.375	2	72"

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
S1303296	.120	3.00	.375	2	96"
S13532	.120	3.50	.375	2	72"
S14032	.120	4.00	.375	2	72"
S1403296	.120	4.00	.375	2	96"
S15032	.120	5.00	.375	2	72"
S1503296	.120	5.00	.375	2	96"
S16032	.120	6.00	.375	2	72"
S13052	.180	3.00	.500	2	72"
S14052	.180	4.00	.500	2	72"
S15052	.180	5.00	.500	2	72"
S16052	.180	6.00	.500	2	72"
S17052	.180	7.00	.500	2	72"
S18052	.180	8.00	.500	2	72"

‡ these hinges are non-stock

Other Sizes Available Upon Request

Material Thickness	Range of Open Width	Pin Diameter	Knuckle Length
.020	.75 - 2.00	.072	.250
.030	.75 - 2.00	.086	.250
.050	1.00 - 6.00	.125	.500
.060	1.00 - 6.00	.125	.625
.060	1.25 - 6.00	.187	2.00
.060	1.25 - 7.00	.250	2.00
.060	1.25 - 7.00	.312	2.00
.074	1.50 - 7.00	.156	1.00
.074	1.50 - 7.00	.156	1.50
.074	2.00 - 4.00	.187	2.00
.074	2.00 - 5.00	.250	2.00
.090	1.50 - 7.00	.187	1.00
.090	1.50 - 7.00	.187	2.00
.090	1.50 - 7.00	.250	2.00
.090	1.50 - 7.00	.312	1.00
.090	1.50 - 7.00	.312	2.00
.090	2.00 - 5.00	.250	2.00
.090	2.00 - 7.00	.375	1.00
.120	2.00 - 5.00	.375	2.00
.120	2.00 - 6.00	.250	2.00
.105	2.00 - 8.00	.250	2.00
.105	2.00 - 8.00	.375	2.00
.120	2.00 - 8.00	.312	2.00
.188	3.00 - 8.00	.500	2.00

- providing that the quantities are sufficient and lead times can be extended, Sierra Pacific can provide you with a hinge that is:
  - cut to length
  - perforated
  - swaged
  - offset
  - formed
  - reversed assembled
  - painted
  - plated
  - etc...

Mill Finish - Stainless Steel Continuous Hinges - 302/304 Leaves and Pins

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
SS20764 ▲	.025	.75	.062	1/4	72"
SS21064 ▲	.025	1.00	.062	1/4	72"
SS30765 ‡	.030	.75	.066	1/2	72"
SS31065 ‡	.030	1.00	.066	1/2	72"
SS31165 ‡	.030	1.06	.066	1/2	72"
SS31265 ‡	.030	1.25	.066	1/2	72"
SS31565 ‡	.030	1.50	.066	1/2	72"
SS30784 ▲	.035	.75	.086	1/4	72"
SS31084 ▲	.035	1.06	.086	1/4	72"
SS31284 ▲	.035	1.25	.086	1/4	72"
SS31584 ▲	.035	1.50	.086	1/4	72"
SS32084 ▲	.035	2.00	.086	1/4	72"
SS41095	.042	1.06	.091	1/2	72"
SS4109596	.042	1.06	.091	1/2	96"
SS41295	.042	1.25	.091	1/2	72"
SS41595	.042	1.50	.091	1/2	72"
SS4159596	.042	1.50	.091	1/2	96"
SS42095	.042	2.00	.091	1/2	72"
SS51015	.050	1.06	.120	1/2	72"
SS51215	.050	1.25	.120	1/2	72"
SS51515	.050	1.50	.120	1/2	72"
SS52015	.050	2.00	.120	1/2	72"
SS52515	.050	2.50	.120	1/2	72"
SS53015	.050	3.00	.120	1/2	72"
SS53515 ‡	.050	3.50	.120	1/2	72"
SS54015 ‡	.050	4.00	.120	1/2	72"
SS61015	.060	1.06	.120	1/2	72"
SS61215	.060	1.25	.120	1/2	72"
SS61515	.060	1.50	.120	1/2	72"
SS6151596	.060	1.50	.120	1/2	96"
SS62015	.060	2.00	.120	1/2	72"
SS6201596	.060	2.00	.120	1/2	96"
SS62515	.060	2.50	.120	1/2	72"
SS63015	.060	3.00	.120	1/2	72"
SS6301596	.060	3.00	.120	1/2	96"
SS63515	.060	3.50	.120	1/2	72"
SS64015	.060	4.00	.120	1/2	72"
SS61211	.060	1.25	.120	1	72"
SS61511	.060	1.50	.120	1	72"
SS61711 ‡	.060	1.75	.120	1	72"
SS62011	.060	2.00	.120	1	72"
SS62511	.060	2.50	.120	1	72"
SS63011	.060	3.00	.120	1	72"
SS63511 ‡	.060	3.50	.120	1	72"
SS64011	.060	4.00	.120	1	72"
SS61517	.060	1.50	.187	1/2	72"
SS62017	.060	2.00	.187	1/2	72"
SS62517	.060	2.50	.187	1/2	72"
SS63017	.060	3.00	.187	1/2	72"

▲ these hinges have staked pins

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
SS61518	.060	1.50	.187	5/8	72.5"
SS6151896 ‡	.060	1.50	.187	5/8	96.25"
SS62018	.060	2.00	.187	5/8	72.5"
SS6201896	.060	2.00	.187	5/8	96.25"
SS62518	.060	2.50	.187	5/8	72.5"
SS63018	.060	3.00	.187	5/8	72.5"
SS6301896	.060	3.00	.187	5/8	96.25"
SS61519 ‡	.060	1.50	.187	1	72"
SS6151996	.060	1.50	.187	1	96"
SS62019 ‡	.060	2.00	.187	1	72"
SS62519 ‡	.060	2.50	.187	1	72"
SS63019	.060	3.00	.187	1	72"
SS64019 ‡	.060	4.00	.187	1	72"
SS61521	.060	1.50	.250	1	72"
SS62021	.060	2.00	.250	1	72"
SS62521	.060	2.50	.250	1	72"
SS63021	.060	3.00	.250	1	72"
SS63521	.060	3.50	.250	1	72"
SS64021	.060	4.00	.250	1	72"
SS71515 ‡	.074	1.50	.187	1/2	72"
SS72015	.074	2.00	.187	1/2	72"
SS72515 ‡	.074	2.50	.187	1/2	72"
SS73015 ‡	.074	3.00	.187	1/2	72"
SS74015 ‡	.074	4.00	.187	1/2	72"
SS72011	.074	2.00	.187	1	72"
SS72511	.074	2.50	.187	1	72"
SS73011	.074	3.00	.187	1	72"
SS74011	.074	4.00	.187	1	72"
SS71521	.074	1.50	.250	1	72"
SS72021	.074	2.00	.250	1	72"
SS7202196	.074	2.00	.250	1	96"
SS72521	.074	2.50	.250	1	72"
SS7252196	.074	2.50	.250	1	96"
SS73021	.074	3.00	.250	1	72"
SS7302196	.074	3.00	.250	1	96"
SS73521	.074	3.50	.250	1	72"
SS74021	.074	4.00	.250	1	72"
SS75021 ‡	.074	5.00	.250	1	72"
SS91521	.090	1.50	.250	1	72"
SS92021	.090	2.00	.250	1	72"
SS92521 ‡	.090	2.50	.250	1	72"
SS93021	.090	3.00	.250	1	72"
SS9302196	.090	3.00	.250	1	96"
SS93521	.090	3.50	.250	1	72"
SS94021	.090	4.00	.250	1	72"
SS12022	.120	2.00	.250	2	72"
SS12522	.120	2.50	.250	2	72"
SS13022	.120	3.00	.250	2	72"
SS14022	.120	4.00	.250	2	72"
SS1402296	.120	4.00	.250	2	96"

‡ these hinges are non-stock

Mill Finish - Stainless Steel Continuous Hinges

302/304 Leaves and Pins

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
SS12032	.120	2.00	.375	2	72"
SS13032	.120	3.00	.375	2	72"
SS1303296	.120	3.00	.375	2	96"
SS14032	.120	4.00	.375	2	72"
SS15032	.120	5.00	.375	2	72"
SS16032	.120	6.00	.375	2	72"
SS18032	.120	8.00	.375	2	72"

316SS Hinges Leaves and Pins

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
SST41095 ‡	.040	1.06	.091	1/2	72"
SST41295 ‡	.040	1.25	.091	1/2	72"
SST41595	.040	1.50	.091	1/2	72"
SST42095	.040	2.00	.091	1/2	72"
SST61515	.060	1.50	.120	1/2	72"
SST62015	.060	2.00	.120	1/2	72"
SST62515	.060	2.50	.120	1/2	72"
SST63015	.060	3.00	.120	1/2	72"
SST72021	.074	2.00	.250	1.00	72"
SST7202196 ‡	.074	2.00	.250	1.00	96"
SST73021	.074	3.00	.250	1.00	72"
SST7302196 ‡	.074	3.00	.250	1.00	96"

▲ these hinges have staked pins ‡ these hinges are non-stock

Aluminum Continuous Hinges

Mill finish - Equal Leaves - Full Hard Aluminum Pin

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
A20764 ▲	.025	.75	.062	1/4	72"
A21064 ▲	.025	1.00	.062	1/4	72"
A30765 ‡	.032	.75	.062	1/2	72"
A31065 ‡	.032	1.00	.062	1/2	72"
A31165 ‡	.032	1.06	.062	1/2	72"
A31265 ‡	.032	1.25	.062	1/2	72"
A31565 ‡	.032	1.50	.062	1/2	72"
A41084 ▲ ‡	.040	1.06	.080	1/4	72"
A41284 ▲ ‡	.040	1.25	.080	1/4	72"
A41584 ▲ ‡	.040	1.50	.080	1/4	72"
A41095	.040	1.06	.091	1/2	72"
A4109596	.040	1.06	.091	1/2	96"
A41295	.040	1.25	.091	1/2	72"
A41595	.040	1.50	.091	1/2	72"
A4159596	.040	1.50	.091	1/2	96"
A42095	.040	2.00	.091	1/2	72"
A51015	.050	1.06	.120	1/2	72"
A51215 ‡	.050	1.25	.120	1/2	72"
A51515	.050	1.50	.120	1/2	72"
A5151596	.050	1.50	.120	1/2	96"
A52015	.050	2.00	.120	1/2	72"
A52515	.050	2.50	.120	1/2	72"
A53015	.050	3.00	.120	1/2	72"
A53515 ‡	.050	3.50	.120	1/2	72"
A54015 ‡	.050	4.00	.120	1/2	72"
A61015	.060	1.06	.120	1/2	72"
A61215	.060	1.25	.120	1/2	72"
A61515	.060	1.50	.120	1/2	72"
A6151596	.060	1.50	.120	1/2	96"
A62015	.060	2.00	.120	1/2	72"
A6201596	.060	2.00	.120	1/2	96"
A62515	.060	2.50	.120	1/2	72"
A63015	.060	3.00	.120	1/2	72"
A61211	.060	1.25	.120	1	72"
A61511	.060	1.50	.120	1	72"
A62011	.060	2.00	.120	1	72"
A62511	.060	2.50	.120	1	72"
A63011	.060	3.00	.120	1	72"
A63511	.060	3.50	.120	1	72"
A64011	.060	4.00	.120	1	72"
A71515 ‡	.074	1.50	.187	1/2	72"
A72015	.074	2.00	.187	1/2	72"
A7201596	.074	2.00	.187	1/2	96"
A72515	.074	2.50	.187	1/2	72"
A73015	.074	3.00	.187	1/2	72"
A73515	.074	3.50	.187	1/2	72"
A74015	.074	4.00	.187	1/2	72"
A71521 ‡	.074	1.50	.250	1	72"
A72021	.074	2.00	.250	1	72"
A72521	.074	2.50	.250	1	72"
A73021 ‡	.074	3.00	.250	1	72"
A74021 ‡	.074	4.00	.250	1	72"
A92021	.093	2.00	.250	1	72"
A92521	.093	2.50	.250	1	72"
A93021	.093	3.00	.250	1	72"
A9302196	.093	3.00	.250	1	96"
A93521 ‡	.093	3.50	.250	1	72"
A94021	.093	4.00	.250	1	72"
A94521 ‡	.093	4.50	.250	1	72"
A95021 ‡	.093	5.00	.250	1	72"
A12022	.120	2.00	.250	2	72"
A1202296	.120	2.00	.250	2	96"
A13022	.120	3.00	.250	2	72"
A1302296	.120	3.00	.250	2	96"
A14022	.120	4.00	.250	2	72"
A1402296	.120	4.00	.250	2	96"
A13032	.120	3.00	.375	2	72"
A14032	.120	4.00	.375	2	72"
A15032	.120	5.00	.375	2	72"

▲ these hinges have staked pins ‡ these hinges are non-stock

To Place Order: 800.433.5554 order@spep.com

Continuous Hinges with Holes

Mill Finish Continuous Hinges with Coined Countersunk Holes

Holes on both leaves on 2.00" centers - All hinges have .50" knuckles - Pins not staked

Cold Rolled Steel Continuous Hinges

Part Number	Material Thickness	Open Width	Pin Diameter	Hole Size ±.005	Length
S410-30	.040	1.06	.091	Ø.181 hole countersunk for a #4 F.H.S.	30.00
S410-48	.040	1.06	.091		48.00
S410-72	.040	1.06	.091		72.00
S412-48‡	.040	1.25	.091		48.00
S412-72	.040	1.25	.091		72.00
S415-30‡	.040	1.50	.091		30.00
S415-72	.040	1.50	.091		72.00
S420-72	.040	2.00	.091		72.00
S612-30‡	.060	1.25	.120	Ø.220 hole countersunk for a #5 or #6 F.H.S.	30.00
S612-48	.060	1.25	.120		48.00
S612-72	.060	1.25	.120		72.00
S615-48	.060	1.50	.120		48.00
S615-72	.060	1.50	.120		72.00
S620-30	.060	2.00	.120		30.00
S620-48	.060	2.00	.120		48.00
S620-72	.060	2.00	.120		72.00
S625-48‡	.060	2.50	.120		48.00
S625-72	.060	2.50	.120		72.00
S630-48	.060	3.00	.120		48.00
S630-72	.060	3.00	.120		72.00

‡ these hinges are non-stock

302/304SS Continuous Hinges

Part Number	Material Thickness	Open Width	Pin Diameter	Hole Size ±.005	Length
SS410-12	.040	1.06	.091	Ø.181 hole countersunk for a #4 F.H.S.	12.00
SS410-30	.040	1.06	.091		30.00
SS410-72	.040	1.06	.091		72.00
SS412-36	.040	1.25	.091		36.00
SS412-72	.040	1.25	.091		72.00
SS415-30	.040	1.50	.091		30.00
SS415-72	.040	1.50	.091		72.00
SS420-36	.040	2.00	.091		36.00
SS420-72	.040	2.00	.091		72.00
SS612-36	.060	1.25	.120	Ø.220 hole countersunk for a #5 or #6 F.H.S.	36.00
SS612-72	.060	1.25	.120		72.00
SS615-12	.060	1.50	.120		12.00
SS615-36	.060	1.50	.120		36.00
SS615-72	.060	1.50	.120		72.00
SS620-12	.060	2.00	.120		12.00
SS620-30	.060	2.00	.120		30.00
SS620-48	.060	2.00	.120		48.00
SS620-72	.060	2.00	.120		72.00
SS630-12‡	.060	3.00	.120		12.00
SS630-36	.060	3.00	.120		36.00
SS630-72	.060	3.00	.120		72.00

Aluminum

Part Number	Material Thickness	Open Width	Pin Diameter	Hole Size ±.005	Length
A410-72	.040	1.06	.091	Ø.170 hole countersunk for a #4 F.H.S.	72.00
A412-72	.040	1.25	.091		72.00
A415-72	.040	1.50	.091		72.00
A615-36	.060	1.50	.120	Ø.200 hole countersunk for a #5 F.H.S.	36.00
A615-72	.060	1.50	.120		72.00
A620-48	.060	2.00	.120		48.00
A620-72	.060	2.00	.120		72.00
A630-72	.060	3.00	.120		72.00

- providing that quantities are sufficient and lead times can be extended, Sierra Pacific can provide you with a hinge that is:
  - cut to length
  - perforated
  - etc…
  - offset
  - formed
  - reverse assembled
  - plated
  - swaged
  - painted

Stainless Steel Continuous Hinges with Holes

302/304SS - Hand Polished - Drilled Countersunk Holes

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Hole Size	Length	Notes
MSS410	.040	1.06	.091	.50	Ø.181 hole countersunk for a #5 F.H.S.	72.00	▸ 302/304SS leaves and pin ▸ pin securely staked in place ▸ deeply drilled countersunk holes on 2.00" centers ▸ top side and knuckle polished to a high luster ▸ packaged to prevent scratching in transit
MSS412	.040	1.25	.091	.50			
MSS415	.040	1.50	.091	.50	Ø.211 hole countersunk for a #6 F.H.S.		
MSS420	.040	2.00	.091	.50			
MSS615	.060	1.50	.120	.50	Ø.181 hole countersunk for a #6 F.H.S.		
MSS620	.060	2.00	.120	.50			
MSS630	.060	3.00	.120	.50			

302/304SS - Mill - Drilled Countersunk Holes

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Hole Size	Length	Notes
MSS410M ‡	.040	1.06	.091	.50	Ø.181 hole countersunk for a #5 F.H.S	72.00	▸ all details as above, except these hinges are mill finish (not polished or degreased).
MSS412M	.040	1.25	.091	.50			
MSS415M	.040	1.50	.091	.50	Ø.211 hole countersunk for a #6 F.H.S.		
MSS420M	.040	2.00	.091	.50			
MSS615M	.060	1.50	.120	.50	Ø.181 hole countersunk for a #6 F.H.S.		
MSS620M	.060	2.00	.120	.50			
MSS630M ‡	.060	3.00	.120	.50			

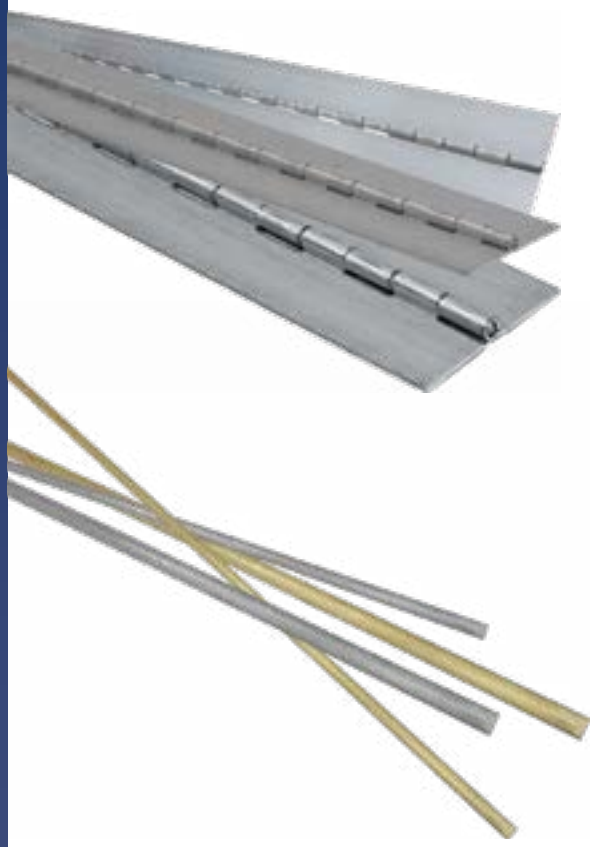
Premium Finish Steel Continuous Hinges with Countersunk Holes

Part Numbers — Open Widths				Screw Size	Finish
1.06"	1.25"	1.50"	2.00"		
NPSL41094	**NPSL41294**	**NPSL41594**	**NPSL42094**	#4	NICKEL PREMIUM GRADE
	NPSL41295	**NPSL41595**	**NPSL42095**	#5	▸ top side high luster ▸ bottom side dull ▸ both sides lacquered
		NPSL41596	**NPSL42096**	#6	
BPSL41094	**BPSL41294 ‡**	**BPSL41594 ‡**	**BPSL42094 ‡**	#4	BRASS, PREMIUM GRADE, BRIGHT
	BPSL41295	**BPSL41595 ‡**	**BPSL42095**	#5	▸ top side high luster ▸ bottom side satin ▸ both sides lacquered
		BPSL41596 ‡	**BPSL42096 ‡**	#6	

- leaf thickness .040", pre-plated cold rolled steel
- pin diameter .091", galvanized pin staked in place
- knuckle length .50"
- stock lengths shown are 72.00" long
- coined countersunk holes on 2.00" centers for flat head screws

‡ these hinges are non-stock

Continuous and Stop Hinges



Pre-plated Electro-Galvanized Hinges

Galvanized Pins - No Staking - No Holes - Degreased

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Length
G41595	.040	1.50	.091	1/2	72.00
G42095	.040	2.00	.091	1/2	72.00
G61515	.060	1.50	.120	1/2	72.00
G62015 ‡	.060	2.00	.120	1/2	72.00
G63015	.060	3.00	.120	1/2	72.00

‡ this hinge is non-stock

Pins for Continuous Hinges

Part Number	Material	Pin Diameter	Length
091X72B	brass	.091	72.00
091X72SS	304SS	.091	72.00
120X72B	brass	.120	72.00
120X72SS	304SS	.120	72.00
187X72B	brass	.187	72.00
187X72SS	304SS	.187	72.00
250X72B	brass	.250	72.00
250X72SS	304SS	.250	72.00
375X72B	brass	.375	72.00
375X72SS	304SS	.375	72.00
500X72B	brass	.500	72.00
500X72SS	304SS	.500	72.00

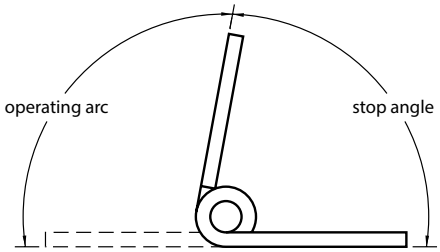
▸ custom lengths available

Continuous Stop Hinges

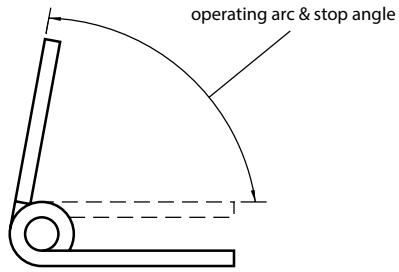
Stock Item

Part Number	Material Thickness	Open Width	Pin Diameter	Knuckle Length	Stop Specifications	Length
CS1050	.035 Steel	1.060	.086 steel	1/4	outside stop 90° ±3°	72.00

▸ inside stop hinges are special order items



outside stop hinges normally operate from the 180° or flat, open position, stopping at a specific angle plus or minus 3°.



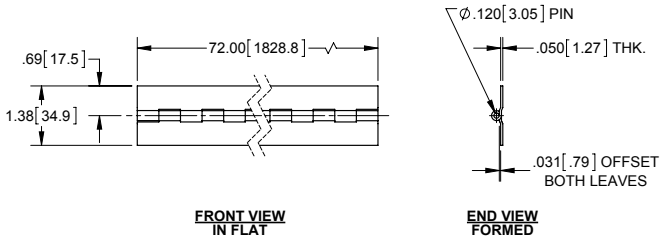
inside stop hinges normally operate from the 0° or closed position, stopping at a specific angle plus or minus 3°.

Download 3D MODELS @ www.spep.com

Continuous Hinges for Enclosure Cabinet

Part Number	Leaf Material	Pin Material
S51315-01	pre-electro galvanized steel	302/304SS
SS51315-01	302/304SS	302/304SS

- may also be stocked in lengths other than shown
- shipped assembled

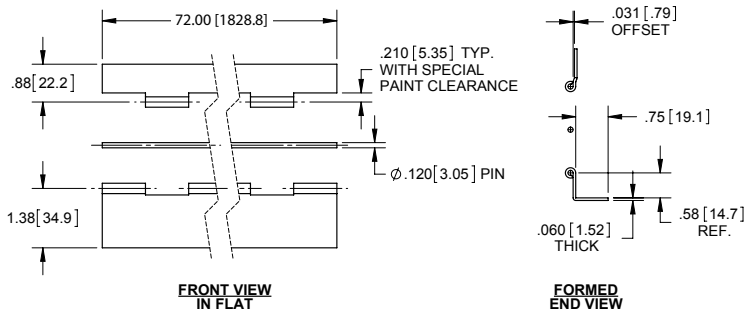


Continuous Hinges with special Paint Clearance

Part Number	Leaf Material	Pin Material
S62211-01 ‡	pre-electro galvanized steel	302/304SS
SS62211-01	302/304SS	302/304SS

- shipped unassembled
- may also be stocked in lengths other than shown
- special paint clearance allows for primer coat plus a finish coat

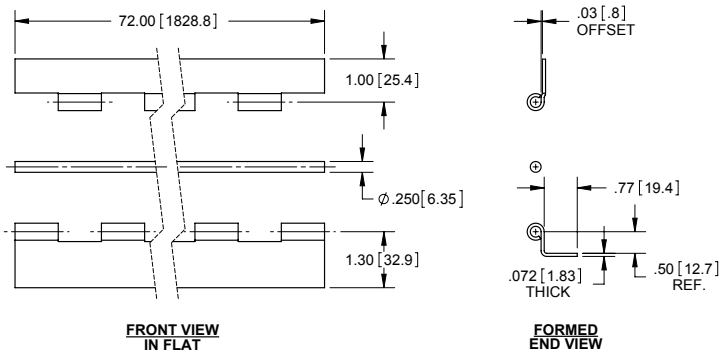
‡ this hinge is non-stock



Continuous Hinges for Enclosure Cabinet

Part Number	Leaf Material	Pin Material
S72221-01	pre-electro galvanized steel	302/304SS
SS72221-01	302/304SS	302/304SS
A72221-01	aluminum	aluminum

- may also be stocked in lengths other than shown
- shipped unassembled



Spring Loaded Hinges - Mill Finish

Saver

spring loaded open

spring loaded closed

Part Number	Material	Material Thickness	Open Width	Length	Pin Diameter	Hole Size	Spring Action
BH5015	steel	.025	.750	1.250	.066	n/a	closed
BH5015SS	304SS	.025	.750	1.250	.066	n/a	closed
BH5022	steel	.025	.750	1.250	.066	n/a	open
BH5022SS	304SS	.025	.750	1.250	.066	n/a	open
BH5022ZN01	steel	.025	.750	1.250	.066	.130	open
BH5022SS01	304SS	.025	.750	1.250	.066	.130	open
BH5020	steel	.035	1.063	1.250	.091	#3	closed
BH502001	304SS	.035	1.063	1.250	.091	#3	reverse assembled*
BH5030	steel	.035	1.063	2.000	.091	n/a	open
BH5030SS01	304SS	.035	1.250	2.000	.091	#3	closed
BH5024	steel	.035	1.500	1.750	.091	n/a	open
BH5024SS	304SS	.035	1.500	1.750	.091	n/a	open
BH5024ZN01	steel	.035	1.500	1.750	.091	.158	open
BH5024SS01	304SS	.035	1.500	1.750	.091	.158	open
BH5031SS	304SS	.035	1.500	2.000	.091	.141	open
BH5033	steel	.039	1.062	1.250	.091	.130	open
BH5034ZN01	steel	.039	1.000	2.000	.091	.146	closed
BH5034SS01	304SS	.039	1.000	2.000	.091	.146	closed
BH5035ZN01	steel	.039	1.000	2.000	.091	.146	open
BH5035SS01	304SS	.039	1.000	2.000	.091	.146	open
BH5025	steel	.039	1.500	3.500	.091	n/a	closed
BH5025SS	304SS	.039	1.500	3.500	.091	n/a	closed
BH5025ZN01	steel	.039	1.500	3.500	.091	.158	closed
BH5025SS01	304SS	.039	1.500	3.500	.091	.158	closed
BH5021 ■	steel	.040	1.000	2.000	.091	.142	open
BH5021SS	304SS	.040	1.000	2.000	.091	.142	open
BH5023	steel	.040	1.500	3.500	.091	n/a	open
BH5023SS	304SS	.040	1.500	3.500	.091	n/a	open
BH5023ZN01 ■	steel	.040	1.500	3.500	.091	.157	open
BH5023SS01	304SS	.040	1.500	3.500	.091	.157	open
BH5027	steel	.047	2.000	5.000	.118	n/a	closed
BH5027SS	304SS	.047	2.000	5.000	.118	n/a	closed
BH5027ZN01	steel	.047	2.000	5.000	.118	.193	closed
BH5027SS01	304SS	.047	2.000	5.000	.118	.193	closed
BH5028	steel	.047	2.000	5.000	.118	n/a	open
BH5028SS	304SS	.047	2.000	5.000	.118	n/a	open
NEW **BH5028BK01** ■	steel	.047	2.000	5.000	.118	.193	open
BH5028ZN01	steel	.047	2.000	5.000	.118	.193	open
BH5028SS01	304SS	.047	2.000	5.000	.118	.193	open
BH5085 ■	steel	.050	2.750	1.562	.115	.156	open
BH5087	steel	.050	3.250	1.562	.115	.156	open
BH5087ZN ■	steel	.050	3.250	1.562	.115	.156	open
BH5089SS	304SS	.060	1.500	2.500	.120	n/a	open
BH5089SS-01	304SS	.060	1.50	2.500	.120	.250	open
BH5090	steel	.060	2.000	3.000	.125	n/a	open

- all hinges have coined pins
- providing that quantities are sufficient and lead times can be extended, Sierra Pacific can provide you with a spring loaded hinge that is manufactured to your exact requirements
- contact Sierra Pacific for more detailed information regarding torque specifications for all hinges on this page

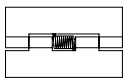
■ part numbers: **BH5085**, **BH5021**, **BH5023ZN01**, & **BH5087ZN** have clear zinc plated finish

■ part number: **BH5028BK01** has black e-coat finish

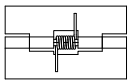
Spring Loaded Hinges

scale 1:2

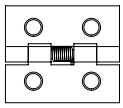
continued from previous page
see previous page for hinge details



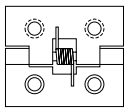
BH5015
BH5015SS



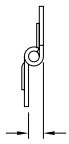
BH5022
BH5022SS



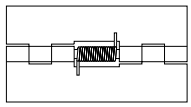
BH5020



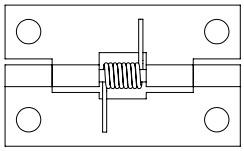
BH502001



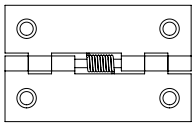
*reverse assembled



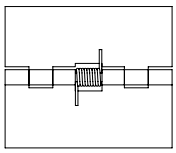
BH5030



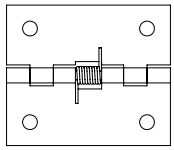
BH5022ZN01
BH5022SS01



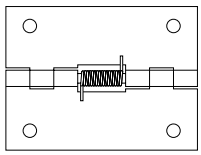
BH5030SS01



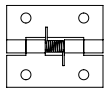
BH5024
BH5024SS



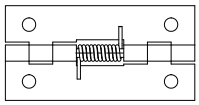
BH5024ZN01
BH5024SS01



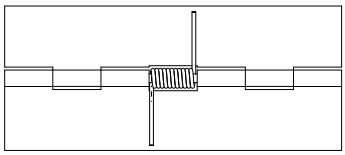
BH5031SS



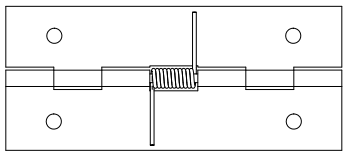
BH5033



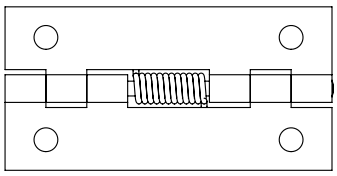
BH5021
BH5021SS



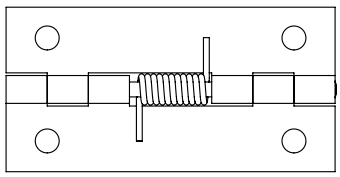
BH5023
BH5023SS



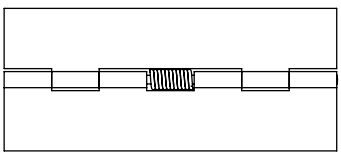
BH5023ZN01
BH5023SS01



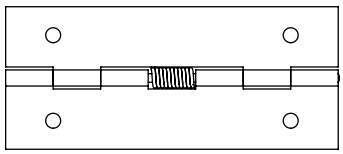
BH5034ZN01
BH5034SS01



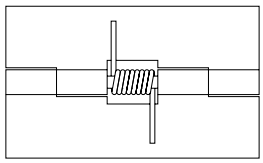
BH5035ZN01
BH5035SS01



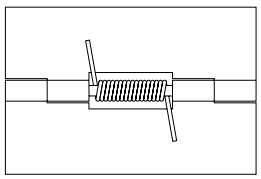
BH5025ZN
BH5025SS



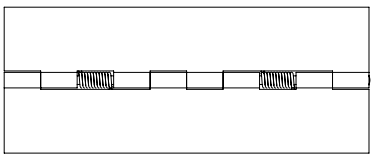
BH5025ZN01
BH5025SS01



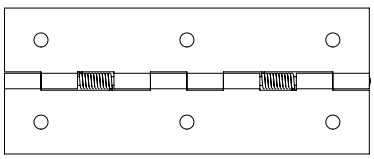
BH5089SS



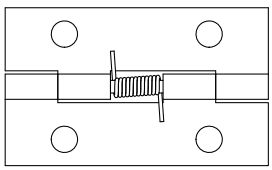
BH5090



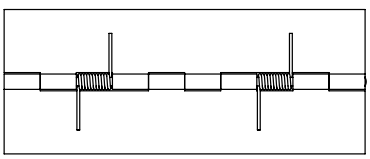
BH5027ZN
BH5027SS



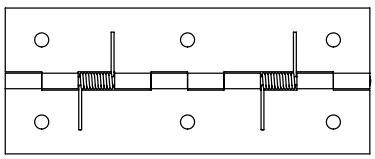
BH5027ZN01
BH5027SS01



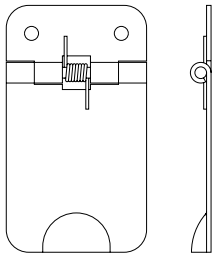
BH5089SS-01



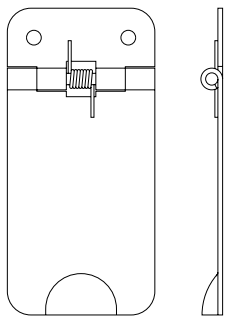
BH5028ZN
BH5028SS



NEW **BH5028BK01**
BH5028ZN01
BH5028SS01



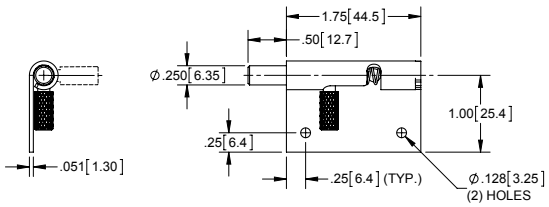
BH5085 ■
(cover hinge)



BH5087
BH5087ZN
(cover hinge)

Spring Release Hinge

left hand shown

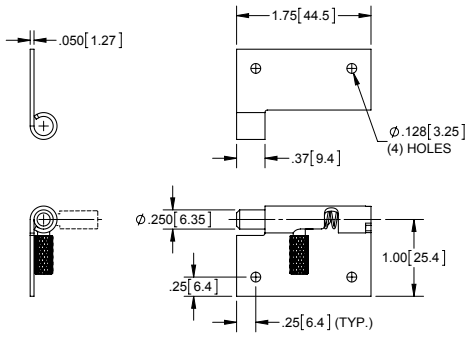


Left Hand Part No.	Right Hand Part No.	Material	Finish
2011	**2012**	304SS	tumbled

- male leaf only

Spring Release Hinge

left hand shown

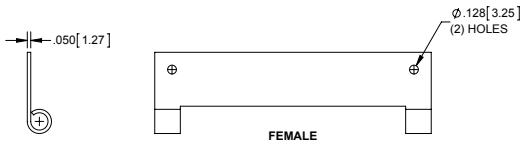


Left Hand Part No.	Right Hand Part No.	Material	Finish
2013	**2014**	304SS	tumbled

- sold as a male & female set only

Dual Spring Release Hinge

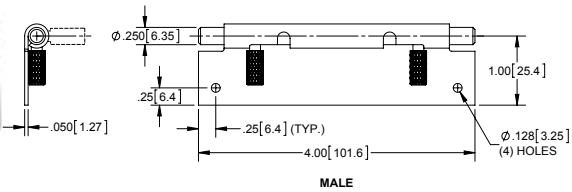
female



Female Dual Spring Release Hinge

Female Part Number	Material	Finish
2016	304SS	tumbled

male

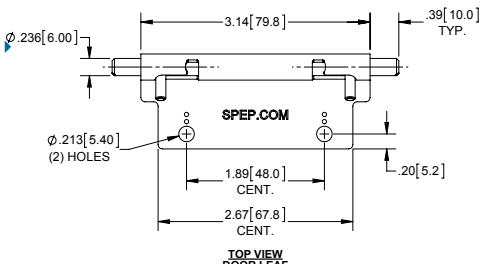


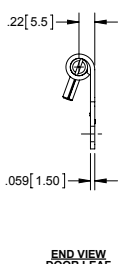
Male Dual Spring Release Hinge

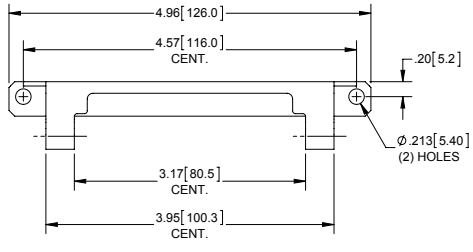
Male Part Number	Material	Finish
2015	304SS	tumbled

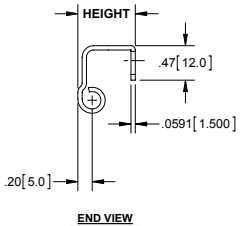
Dual Spring Release Hinges

Part Number	Material	Finish	Height
2018	steel	zinc plated	.67 [17]
2019	steel	zinc plated	.79 [20]
2020	steel	zinc plated	.92 [23.4]
2018SS	304SS	passivated	.67 [17]
2019SS	304SS	passivated	.79 [20]
2020SS	304SS	passivated	.92 [23.4]





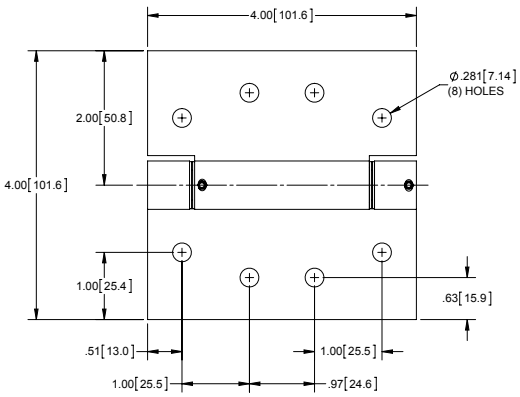




Single Action Spring Hinge

Part Number	Material	Finish
BH5095	steel	gray painted

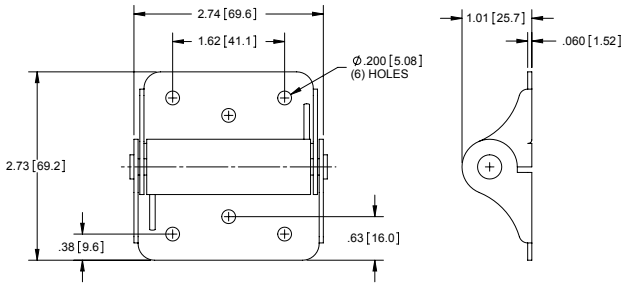
- for right or left handed use
- adjustable tension, spring loaded open



Spring Loaded Open Hinge

Part Number	Material	Finish
H2060ZN	steel	zinc plated

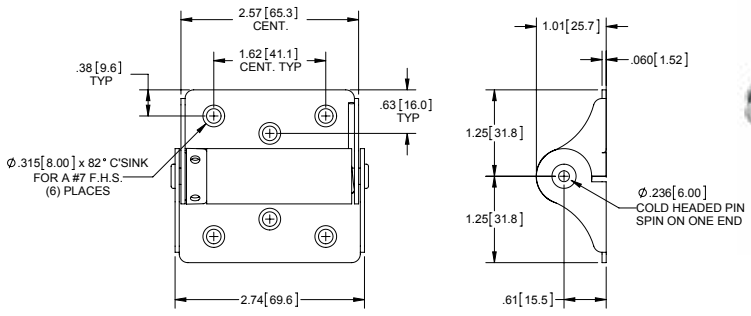
- hinge is spring loaded open



Adjustable Spring Loaded Hinge

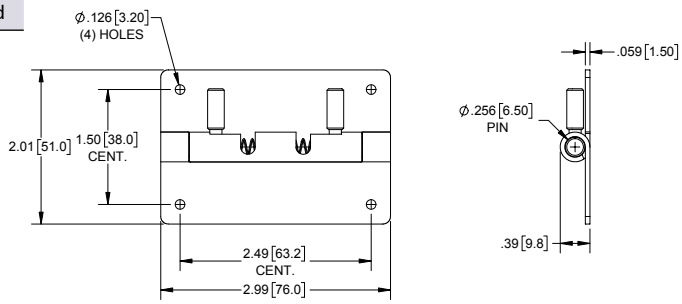
Part Number	Material	Finish
H2062ZN	steel	zinc plated

- hinge is spring loaded open
- kit includes:
  - (6) screws
  - (1) adjusting lever
  - (1) adjusting pin



Dual Spring Release Hinges

Part No.	Material	Finish
2021SS	304SS	brushed
2021ZN	steel	zinc plated



Stock Steel Cane Bolt Latches

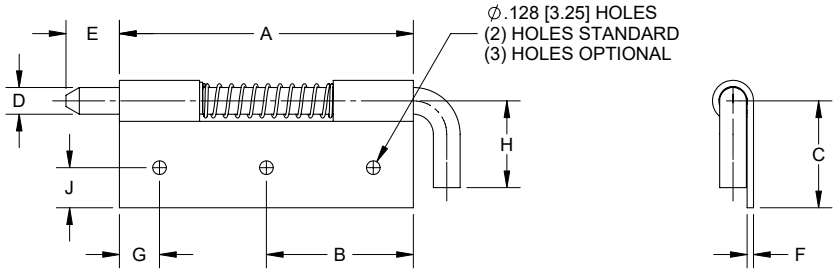
Saver

Left Hand Part Number	A	B	C	D	E	F	G	H	J	Right Hand Part Number
1841HZ	1.375	none	.750	.158	.250	.040	.188	.625	.187	**1941HZ**
1861NN	2.00	none	.875	.187	.375	.050	none	.69	none	**1961NN**
1871HN	2.75	1.375	.750	.250	.500	.060	.250	.81	.250	**1971HN**
1871HZ	2.75	1.375	.750	.250	.500	.060	.250	.81	.250	**1971HZ**
1871NZ	2.75	none	.750	.250	.500	.060	none	.81	none	**1971NZ**
1871NN	2.75	none	.750	.250	.500	.060	none	.81	none	**1971NN**
1872HZ	2.75	1.375	.750	.250	.500	.060	.250	.81	.250	**1972HZ**
1872NN	2.75	none	.750	.250	.500	.060	none	.81	none	**1972NN**
1881HZ	2.75	1.375	1.00	.250	.500	.060	.250	.81	.250	**1981HZ**
1881NN	2.75	none	1.00	.250	.500	.060	none	.81	none	**1981NN**
1882HZ	2.75	1.375	1.00	.250	.500	.060	.250	.81	.250	**1982HZ**
1882NZ	2.75	none	1.00	.250	.500	.060	none	.81	none	**1982NZ**
1882NN	2.75	none	1.00	.250	.500	.060	none	.81	none	**1982NN**

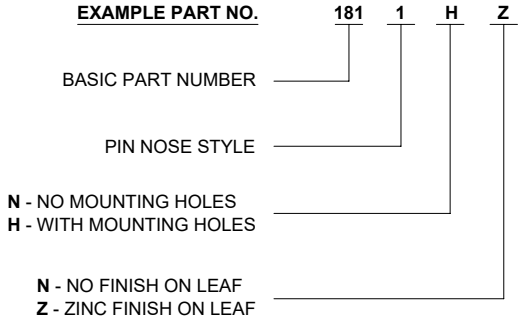
- steel leaves
- steel, zinc plated pins
- spring steel zinc plated c-clips
- 304SS springs
- in stock

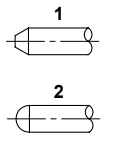
example part no. **1951NN**

example part no. **1921NZ**



LEFT HAND SHOWN





PIN NOSE STYLE

Build Your Own Cane Bolt Latches

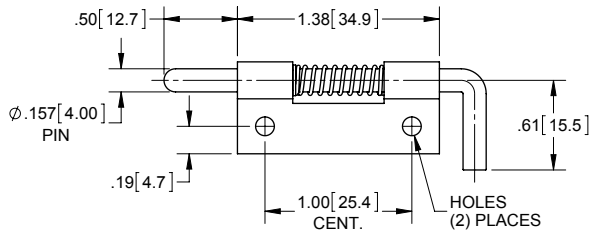
Left Hand Part Number	A	B	C	D	E	F	G	H	J	Right Hand Part Number
181 X X X	.875	.438	.375	.125	.187	.040	.156	.437	.156	**191 X X X**
182 X X X	.875	.438	.500	.125	.187	.040	.156	.437	.156	**192 X X X**
183 X X X	1.375	.688	.500	.156	.250	.040	.187	.625	.187	**193 X X X**
184 X X X	1.375	.688	.750	.156	.250	.040	.187	.625	.187	**194 X X X**
185 X X X	2.00	1.00	.625	.187	.375	.050	.250	.687	.187	**195 X X X**
186 X X X	2.00	1.00	.875	.187	.375	.050	.250	.687	.187	**196 X X X**
187 X X X	2.75	1.375	.750	.250	.500	.060	.250	.812	.250	**197 X X X**
188 X X X	2.75	1.375	1.00	.250	.500	.060	.250	.812	.250	**198 X X X**

Steel Cane Bolt Latches

Saver

Part Number	Description	Material	Finish	Holes
1832HZ01	left hand	steel	zinc plated	Ø.128 [3.25]
1932HZ01	right hand	steel	zinc plated	Ø.128 [3.25]
1832HSS01	left hand	304SS	mill	Ø.136 [3.45]
1932HSS01	right hand	304SS	mill	Ø.136 [3.45]

left hand
304SS

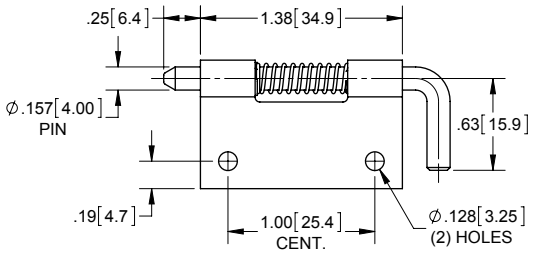


right hand
steel

300 Series Stainless Steel Cane Bolt Latches

Part Number	Description	Material	Holes
1841HZSS	left hand	300 series stainless steel	passivated
1941HZSS	right hand	300 series stainless steel	passivated

right hand
shown



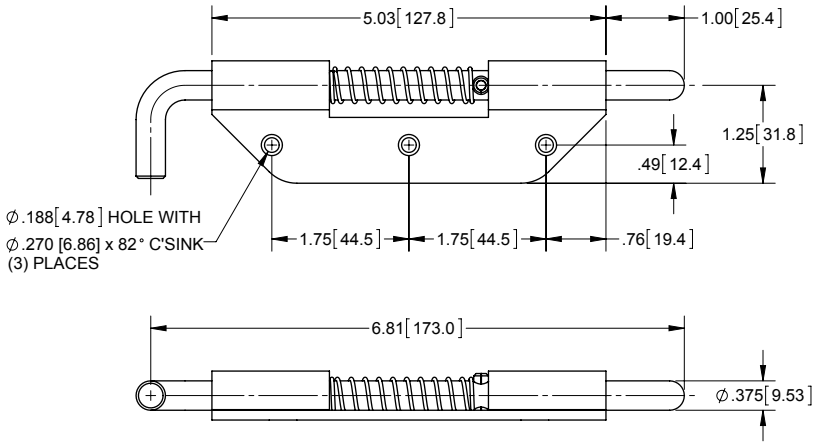
Aluminum Spring Loaded Bolt Latches

Part Number	Description	Material	Material Thickness	Finish
1440	right hand	aluminum	.125 [3.18]	mill
1441	left hand	aluminum	.125 [3.18]	mill

- stainless steel pin and components

right hand

left hand



Butt Hinges

Steel Butt Hinges

Part Number	Matl. Thk.	Open Width	Length	Pin Dia.	Pin Retention	Special Features
5S151501 ◆ ✹	.050	1.50	1.50	.120	spun ends	stainless steel pin
6S1515BP	.060	1.50	1.50	.125	staked	brass pin
6S1520 ◆ ✹	.060	1.50	2.00	.125	spun ends	—
6S1520BP ◆	.060	1.50	2.00	.125	staked	brass pin
6S1525BP	.060	1.50	2.50	.125	staked	brass pin
6S2020BP ◆	.060	2.00	2.00	.125	staked	brass pin
6S2025BP ◆	.060	2.00	2.50	.125	staked	brass pin
6S2525BP ◆	.060	2.50	2.50	.125	staked	brass pin
6S152001 ◆ ✹	.060	1.50	2.00	.180	staked	zinc pltd. finish with brass pin (2) Ø.203 holes
6S152002 ◆ ✹	.060	1.50	2.00	.180	staked	brass pin
7S2020 ◆	.074	2.00	2.00	.187	spun ends	—
7S2021 ◆ ✹	.074	2.00	2.00	.187	spun ends	—
7S2025 ◆	.074	2.00	2.50	.187	spun ends	—
7S2030 ◆	.074	2.00	3.00	.187	spun ends	—
7S2525 ◆	.074	2.50	2.50	.187	spun ends	—
7S3030 ◆	.074	3.00	3.00	.187	spun ends	—
7S303003 ◆	.074	3.00	3.00	.187	staked	zinc plated, (6) Ø.250 holes
8S1520SSP ◆ ✹	.085	1.50	2.00	.195	staked	stainless steel pin
8S2030	.085	2.00	3.00	.195	staked	—
8S2525	.085	2.50	2.50	.195	staked	—
8S2525SP ◆ ✹	.085	2.50	2.50	.195	spun ends	—
8S3030	.085	3.00	3.00	.195	staked	—
8S3535	.085	3.50	3.50	.195	staked	—
8S4040	.085	4.00	4.00	.195	staked	—
9S2030 ◆	.090	2.00	3.00	.187	spun ends	—
9S2530 ◆	.090	2.50	3.00	.187	spun ends	—
9S3030 ◆ ✹	.090	3.00	3.00	.187	spun ends	—
9S303002 ◆ ✹	.098	3.00	3.00	.250	spun ends	zinc plated, stainless pin
9S3535 ◆ ✹	.090	3.50	3.50	.187	spun ends	—
10S2525 ◆	.105	2.50	2.50	.187	spun ends	—
12S2025	.120	2.00	2.50	.250	spun ends	—
12S2525 ◆ ✹	.120	2.50	2.50	.250	spun ends	—
12S2530 ◆	.120	2.50	3.00	.250	spun ends	—
12S253003 ◆ ✹	.120	2.50	3.00	.250	spun ends	zinc plated, (4) Ø.262 holes
12S2535 ◆	.120	2.50	3.50	.250	spun ends	—
12S3030 ◆ ✹	.120	3.00	3.00	.250	spun ends	—
12S303001 ◆ ✹	.120	3.00	3.00	.250	spun ends	½ swaged, zinc
12S3035	.120	3.00	3.50	.250	spun ends	—
12S3040 ◆	.120	3.00	4.00	.250	spun ends	—
12S3535 ◆ ✹	.118	3.50	3.50	.256	spun ends	—

- no holes unless indicated
- mill finish
- steel leaf material
- steel pin unless otherwise indicated
- ✹ indicates money saver
- ◆ indicates stock item

Part Number	Matl. Thk.	Open Width	Length	Pin Dia.	Pin Retention	Special Features
12S3540	.120	3.50	4.00	.250	spun ends	—
12S4040 ◆ ✹	.120	4.00	4.00	.276	spun ends	—
12S40401 ◆ ✹	.118	4.00	4.00	.276	(1) end spun	½ swaged
12S6060 ◆	.120	6.00	6.00	.250	spun ends	—
13S4040 ◆ ✹	.130	4.00	4.00	.250	spun ends	—
18S3060 ◆	.180	3.00	6.00	.375	spun ends	—
18S4040 ◆ ✹	.180	4.00	4.00	.375	spun ends	stainless pin
18S4050 ◆	.180	4.00	5.00	.375	spun ends	—
18S4060	.180	4.00	6.00	.375	spun ends	—
18S5050 ◆	.180	5.00	5.00	.394	spun ends	—
18S5060 ◆	.180	5.00	6.00	.375	spun ends	—
18S5080	.180	5.00	8.00	.375	spun ends	—
18S6060 ◆ ✹	.180	6.00	6.00	.375	spun ends	—
18S6080	.180	6.00	8.00	.375	spun ends	—
25S4040SSP ◆ ✹	.250	4.00	4.00	.625	flush pin	stainless pin
25S4050 ◆	.250	4.00	5.00	.625	flush pin	—
25S5050 ◆	.250	5.00	5.00	.625	flush pin	—
25S5060 ◆	.250	5.00	6.00	.625	flush pin	—
25S6060 ◆	.250	6.00	6.00	.625	flush pin	—

- no holes unless indicated
- mill finish
- steel leaf material
- steel pin unless otherwise indicated
- ✹ indicates money saver
- ◆ indicates stock item

Steel Economy Butt Hinges

Part Number	Thickness (mm/inch)	Open (mm/inch)	Length (mm/inch)	Pin Diameter (mm/inch)
9S1919 ◆ ✹	2.50/.098"	50.0/1.97"	50.0/1.97"	5.00/.197"
12S2526 ◆ ✹	3.00/.120"	63.5/2.50"	65.0/2.56"	6.00/.236"
12S2829 ◆ ✹	3.20/.126"	73.0/2.87"	75.0/2.95"	6.80/.268"
13S3435 ◆ ✹	3.50/.138"	87.9/3.46"	90.0/3.54"	7.00/.276"
13S3939 ◆ ✹	3.50/.138"	100.0/3.94"	100.0/3.94"	8.00/.315"
17S4849 ◆ ✹	4.50/.177"	123.0/4.84"	125.0/4.92"	10.00/.394"
19S5959 ◆ ✹	5.00/.197"	150.0/5.91"	150.0/5.91"	11.00/.433"

- no holes
- mill finish
- spun ends
- spun ends
- ✹ indicates money saver
- ◆ indicates stock item

Stainless Steel Economy Butt Hinges

Part Number	Thickness (mm/inch)	Open (mm/inch)	Length (mm/inch)	Pin Diameter (mm/inch)
9SS1919 ◆ ✹	2.50/.098"	50.0/1.97"	50.0/1.97"	5.00/.197"
12SS2526 ◆ ✹	3.00/.120"	64.0/2.52"	65.0/2.56"	6.00/.236"
12SS2829 ◆ ✹	3.00/.120"	75.0/2.95"	75.0/2.95"	7.00/.276"
12SS3435 ◆ ✹	3.00/.120"	88.2/3.47"	90.0/3.54"	8.00/.315"
15SS3939 ◆ ✹	4.00/.158"	100.0/3.94"	100.0/3.94"	8.00/.315"

- 304SS, mill finish
- no holes
- spun ends
- ✹ indicates money saver
- ◆ indicates stock item

Butt Hinges

Aluminum Butt Hinges

Part Number	Matl. Thk.	Open Width	Length	Pin Dia.	Pin Retention	Special Features
5A2025 ◆	.051	2.00	2.50	.125	spun ends	—
6A1015 ◆	.064	1.00	1.50	.125	spun ends	—
6A1515 ◆	.064	1.50	1.50	.125	spun ends	—
6A2020 ◆	.064	2.00	2.00	.125	spun ends	—
6A2025 ◆	.064	2.00	2.50	.125	spun ends	—
6A2030 ◆	.064	2.00	3.00	.125	spun ends	—
6A2525 ◆	.064	2.50	2.50	.125	spun ends	—
6A2530 ◆	.064	2.50	3.00	.125	spun ends	—
6A3030 ◆	.064	3.00	3.00	.125	spun ends	—
8A2020 ◆	.081	2.00	2.00	.187	spun ends	—
8A2025 ◆	.081	2.00	2.50	.187	spun ends	—
8A2525 ◆	.081	2.50	2.50	.187	spun ends	—
9A2030 ◆	.091	2.00	3.00	.187	spun ends	—
9A2530 ◆	.091	2.50	3.00	.187	spun ends	—
9A2535 ◆	.091	2.50	3.50	.187	spun ends	—
9A3030 ◆	.091	3.00	3.00	.187	spun ends	—
9A3035 ◆	.091	3.00	3.50	.187	spun ends	—
9A3535	.091	3.50	3.50	.187	spun ends	—
12A2025 ◆✸	.125	2.00	2.50	.250	spun ends	—
12A2030 ◆	.125	2.00	3.00	.250	spun ends	—
12A2525 ◆	.125	2.50	2.50	.250	spun ends	—
12A252502 ◆	.125	2.50	2.50	.250	spun ends	(6) Ø.250 holes
12A2530 ◆	.125	2.50	3.00	.250	spun ends	—
12A3030 ◆	.125	3.00	3.00	.250	spun ends	—
12A3040 ◆	.125	3.00	4.00	.250	spun ends	—
12A3540 ◆	.125	3.50	4.00	.250	spun ends	—
12A4040 ◆✸	.125	4.00	4.00	.250	spun ends	—

- mill finish
- no holes unless indicated

✸ indicates money saver
◆ indicates stock item

Stainless Steel Butt Hinges

Part Number	Matl. Thk.	Open Width	Length	Pin Dia.	Pin Retention	Special Features
3SS102001 ◆	.030	1.00	2.00	.066	staked	—
6SS1515 ◆	.060	1.50	1.50	.125	staked	—
6SS1520 ◆	.060	1.50	2.00	.125	staked	—
6SS2020 ◆	.060	2.00	2.00	.125	staked	—
6SS2025 ◆	.060	2.00	2.50	.125	staked	—
6SS2030 ◆	.060	2.00	3.00	.125	spun ends	—
6SS2525 ◆	.060	2.50	2.50	.125	spun ends	—
6SS2530 ◆	.060	2.50	3.00	.125	spun ends	—
7SS2021 ◆	.075	2.00	2.00	.187	spun ends	—
7SS2025 ◆	.075	2.00	2.50	.187	spun ends	—
7SS2525 ◆	.075	2.50	2.50	.187	spun ends	—

- no holes
- 302/304SS leaves and pins

✸ indicates money saver
◆ indicates stock item

Part Number	Matl. Thk.	Open Width	Length	Pin Dia.	Pin Retention	Special Features
9SS2030 ◆	.090	2.00	3.00	.187	spun ends	—
9SS2530 ◆	.090	2.50	3.00	.187	spun ends	—
9SS3030 ◆✸	.090	3.00	3.00	.187	spun ends	—
9SS303002 ◆	.090	3.00	3.00	.187	spun ends	½ swaged (6) Ø.281 Holes
9SS3035 ◆	.090	3.00	3.50	.187	spun ends	—
9SS3535 ◆✸	.090	3.50	3.50	.187	spun ends	—
10SS2025	.105	2.00	2.50	.187	spun ends	—
10SS2525 ◆	.105	2.50	2.50	.187	spun ends	—
12SS2030 ◆	.120	2.00	3.00	.250	spun ends	—
12SS2530 ◆✸	.120	2.50	3.00	.250	spun ends	—
12SS3030 ◆✸	.120	3.00	3.00	.250	spun ends	—
12SS3040 ◆	.120	3.00	4.00	.250	spun ends	—
12SS3535 ✸	.118	3.50	3.50	.256	spun ends	—
12SS3540 ✸	.120	3.50	4.00	.250	spun ends	—
12SS4040 ◆✸	.120	4.00	4.00	.276	spun ends	—
12SS40402 ◆	.120	4.00	4.00	.276	spun ends	½ swaged
12SS6040	.120	6.00	4.00	.250	none	—

- no holes
- 302/304SS leaves and pins

✸ indicates money saver
◆ indicates stock item

Type 316SS Butt Hinges

Part Number	Material Thickness	Open Width	Length	Pin Diameter	Pin Retention
6SST1515 ◆	.060	1.50	1.50	.125	staked
6SST1520 ◆	.060	1.50	2.00	.125	staked
6SST2020 ◆	.060	2.00	2.00	.125	staked
6SST2525 ◆	.060	2.50	2.50	.125	staked
7SST2020 ◆	.075	2.00	2.00	.187	spun ends
9SST2030	.090	2.00	3.00	.187	spun ends
9SST3030 ◆	.090	3.00	3.00	.187	spun ends
12SST2030 ◆	.120	2.00	3.00	.250	spun ends
12SST3030 ◆	.120	3.00	3.00	.250	spun ends
12SST3040 ◆	.120	3.00	4.00	.250	spun ends
12SST4040 ◆	.120	4.00	4.00	.250	spun ends
18SST4040 ◆	.180	4.00	4.00	.375	spun ends

- no holes

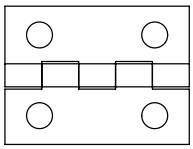
◆ indicates stock item

Cold Rolled Steel - Mill Finish - No Holes

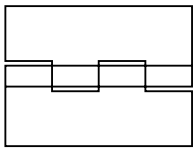
SCALE 1:1

Part Number	Material Thickness	Open Width	Length	Pin Diameter
BH0004 ■	.030	.75	1.00	.063
BH0005 ‡	.020	.75	1.00	.072
BH0050	.035	.75	.75	.099
BH0055	.035	.75	1.00	.091
BH0060	.035	1.06	1.00	.091
BH0065	.035	1.06	1.25	.091
BH0075	.035	1.06	2.00	.091
BH0085	.035	1.50	1.50	.091

- all above hinges have staked pins and flat leaves
- ■ this hinge only: brass material with lacquered finish and (4) Ø.141 mounting holes
- ‡ this hinge is non-stock



BH0004 ■



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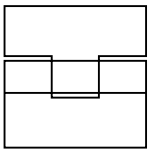

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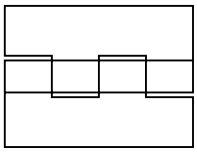

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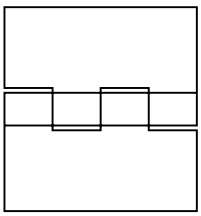

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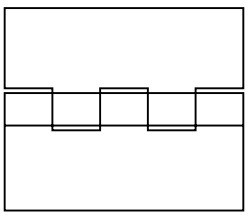

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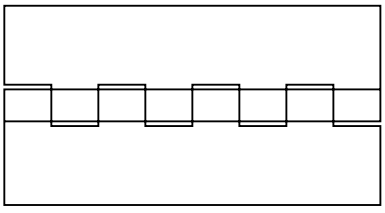

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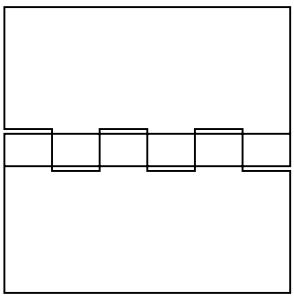

BH0085

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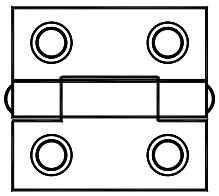
Steel Economy Butt Hinges with Swage and Holes

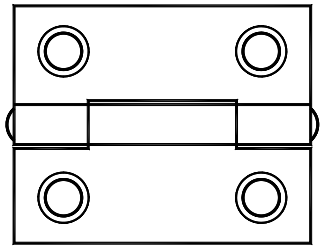
SCALE 1:1

Part Number	Material Thickness	Finish	Open Width	Length	Pin Diameter	Pin Retention	Swage Dimension	Screw Size
BH7005BP	.044	brass plated	.94	1.00	.102	spun ends	.010	#3
BH7005ZN	.044	zinc plated	.94	1.00	.102	spun ends	.010	#3
BH7010BP	.050	brass plated	1.20	1.50	.102	spun ends	.034	#4
BH7010ZN	.050	zinc plated	1.20	1.50	.102	spun ends	.034	#4
BH7015BP	.050	brass plated	1.46	1.98	.118	spun ends	.034	#5
BH7015ZN	.050	zinc plated	1.46	1.98	.118	spun ends	.034	#5
BH7020BP	.050	brass plated	1.60	2.50	.125	spun ends	.030	#5
NEW **BH7020BK**	.050	black zinc plated	1.60	2.50	.125	spun ends	.030	#5
BH7020ZN	.050	zinc plated	1.60	2.50	.125	spun ends	.030	#5
BH7025BP	.060	brass plated	1.84	2.95	.158	spun ends	.030	#6
BH7025ZN	.060	zinc plated	1.84	2.95	.158	spun ends	.030	#6
BH7030 *	.071	zinc plated	2.00	3.00	.187	spun ends	not swaged	#9

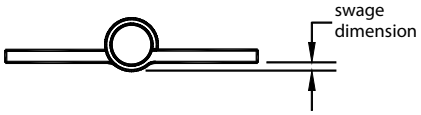
* does not have swaged leaves

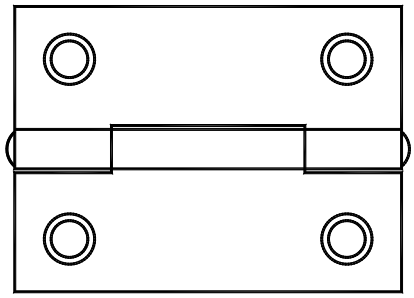


BH7005BP
BH7005ZN

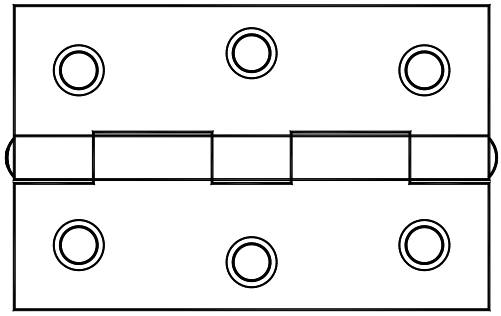


BH7010BP
BH7010ZN

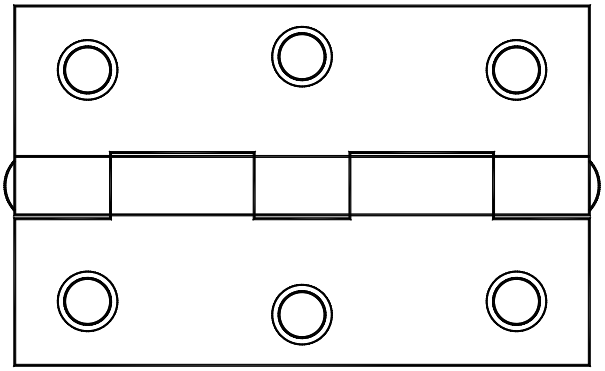




BH7015BP
BH7015ZN



BH7020BP
BH7020BK
BH7020ZN



BH7025BP
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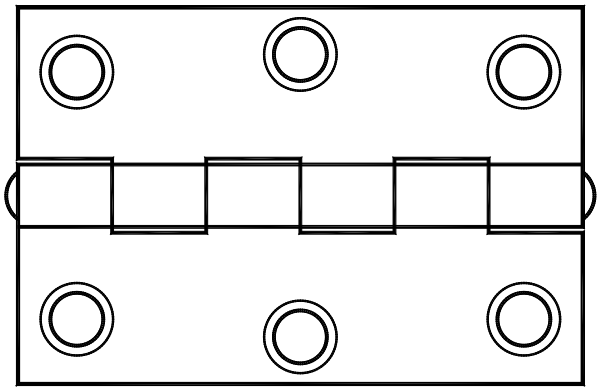
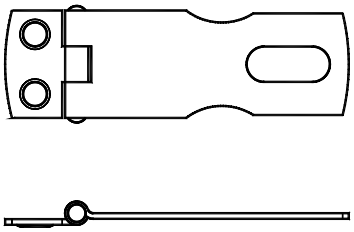


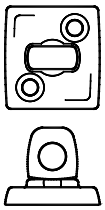
BH7030
* hinge does not have swaged leaves

Stainless Steel Marine Specialty Hinges

SCALE 1:2



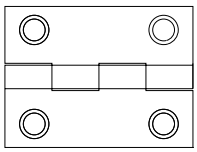
M0827



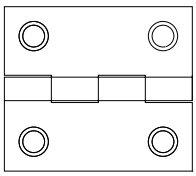
M0627
SS material

Part Number	Length	Open Width	Number of Holes	Holes Size
M0627	1.08	1.17	2	#8
M0827	1.13	3.60	2	#8
M0990	2.00	1.50	4	#8
M0991	2.00	1.75	4	#8
M0992	2.00	2.00	4	#8
M0993	3.00	2.00	6	#8
M0994	3.00	3.00	6	#10
M0996	1.50	1.25	4	#5
M0997	1.50	1.31	4	#8
M0998	1.50	2.75	6	#8
M0999	1.50	2.03	5	#8
M1000	1.50	4.00	4	#8
M1001	1.50	6.00	6	#8
M1002	2.00	2.50	4	#8
M1003	2.00	2.75	4	#8
M1004	1.50	2.65	4	#8
M1005	1.50	2.03	5	#8
M1009	1.50	1.31	4	#8
M1012	1.06	4.00	4	#8
M1067	2.00	3.00	4	#9

- tough, durable, rugged T302/304SS leaves and pin
- deep countersunk holes for heavy duty fastening strength
- electropolished to a high luster and passivated for superior corrosion resistance.
- all hinges shown on these pages are .060" thick, with Ø.120" pin, except where otherwise indicated



M0990



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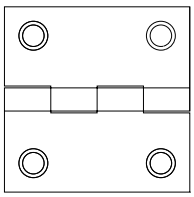
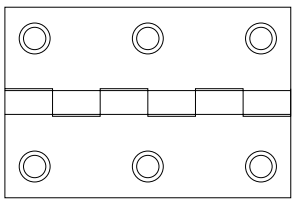


M0992



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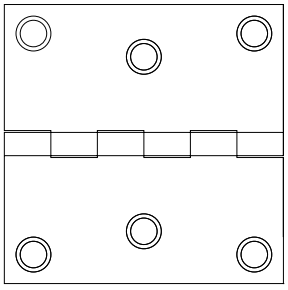

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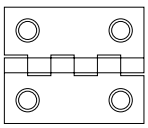
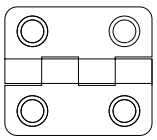


M0996
.035" thick with a Ø.091 pin



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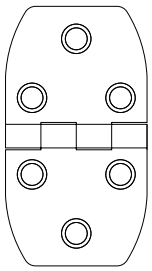

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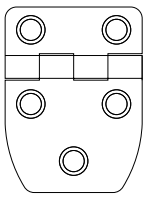
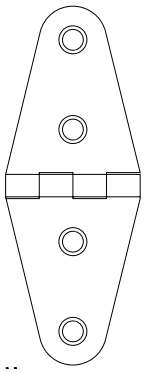


M0999

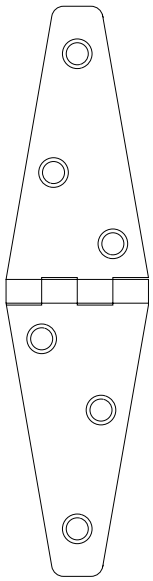
Stainless Steel Marine Specialty Hinges

continued from previous page
see previous page for hinge details

SCALE 1:2



M1000



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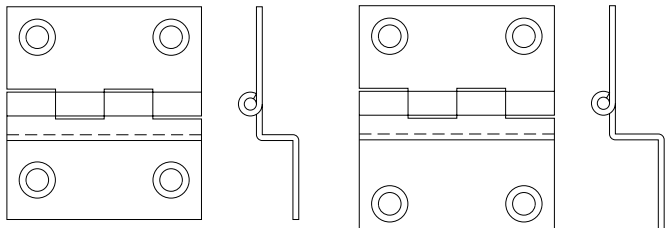
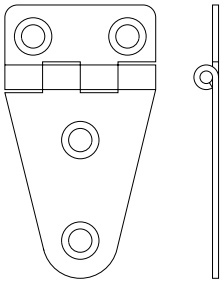


M1002

M1003



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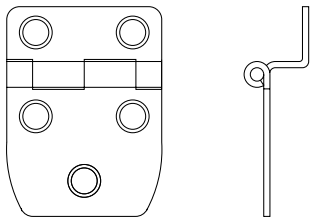
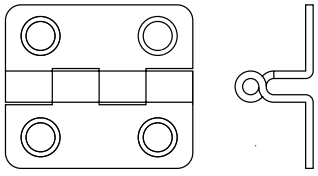
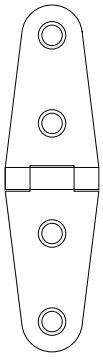


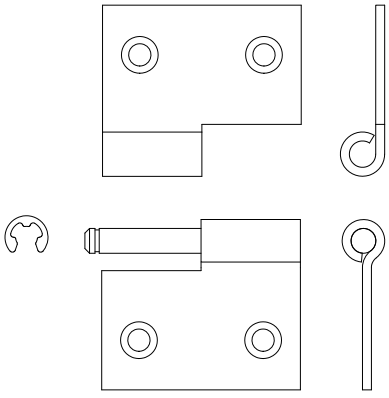
M1005



M1009

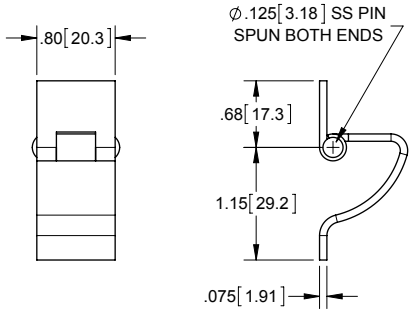


M1012



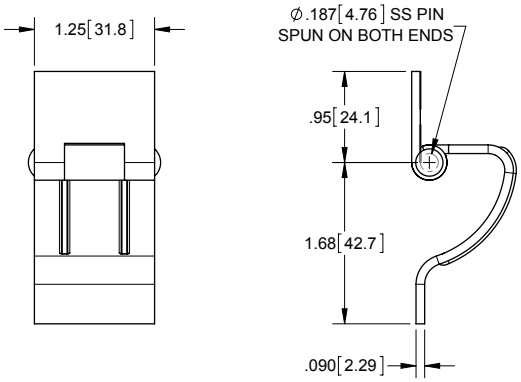
M1067
.090" thick with a Ø.250 pin

Concealed Hinge with 1.83 [46.5] Open Width



Part Number	Material	Finish
CH71808	steel	tumbled deburred
CH71808A	aluminum	tumbled deburred
CH71808SS	304SS	electropolished

Concealed Hinges with 1.63 [41.4] Open Width

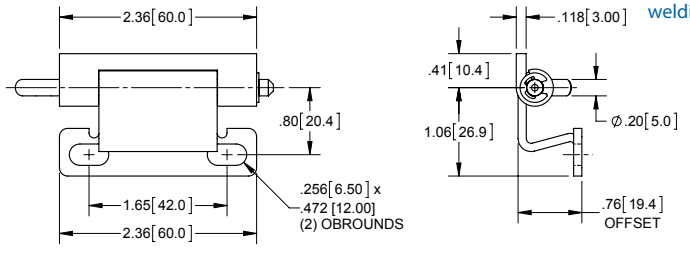


Part Number	Material	Finish
CH92612	steel	mill
CH92612ZN	steel	zinc plated
CH92612A	aluminum	mill
CH92612SS	304SS	electropolished

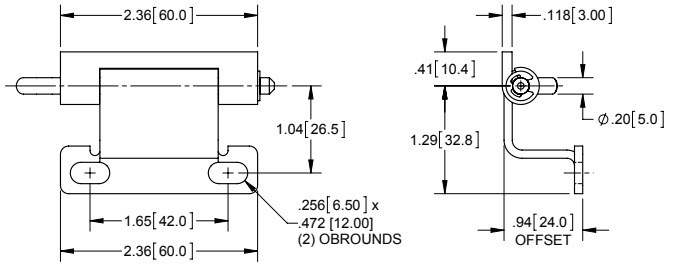
Concealed Hinges with Removable Pin

H2085
Steel

H2085SS-01
stainless steel



.79 [20.0] OFFSET HINGE
H2085 & H2085SS



.94 [24.0] OFFSET HINGE
H2085-01 & H2085SS-01

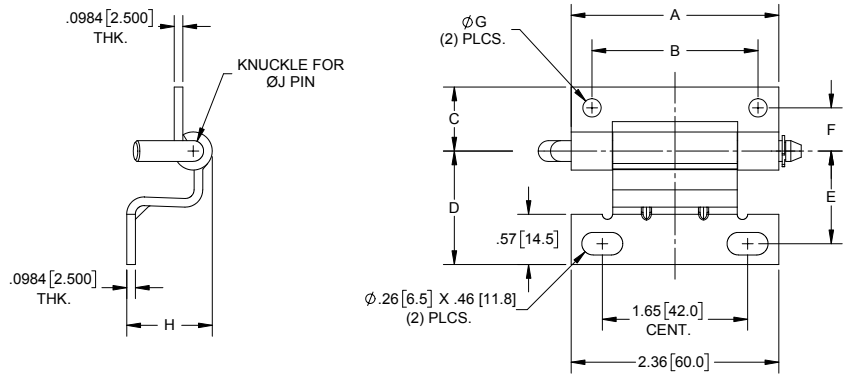
Part Number	Material	Finish
H2085	steel	mill / zinc plated
H2085SS	stainless steel	mill
H2085-01	steel	mill / zinc plated
H2085SS-01	stainless steel	mill

- small leaf of steel hinges have a mill finish for welding; all other components are zinc plated

Concealed Hinges with Removable Pin

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Dim G	Dim H	Dim J
H2283	3.15 [80.0]	2.598 [66.00]	1.04 [26.5]	1.14 [29.0]	.860 [21.84]	.61 [15.5]	coined holes Ø .260 [6.60]	.75 [19.0]	Ø .197 [5.00]
H2283-01	2.36 [60.0]	1.890 [48.00]	.72 [18.5]	1.29 [32.8]	1.05 [26.8]	.49 [12.5]	regular holes Ø.208 [5.30]	.95 [24.2]	Ø .236 [6.00]

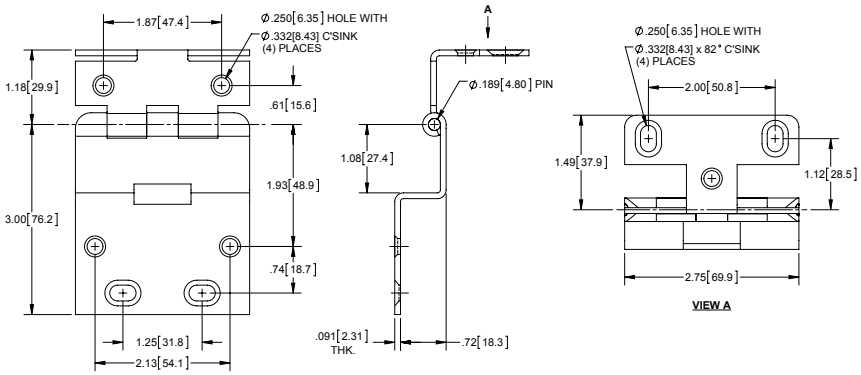
- material: steel
- finish: zinc plated



Institutional Hinge

Part Number	Material	Finish
H2018SS	304SS	brushed

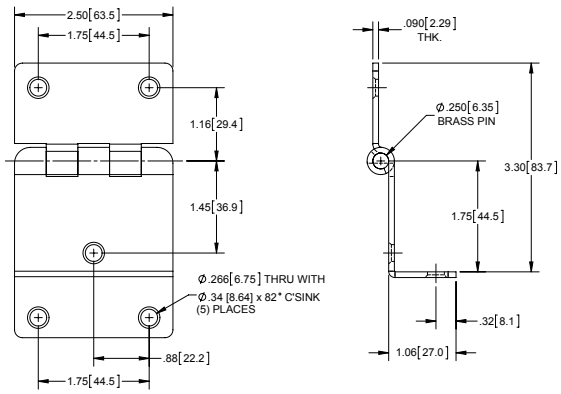
- hospital tips



Institutional Hinge

Part Number	Material	Finish
J2093	steel	brass plated

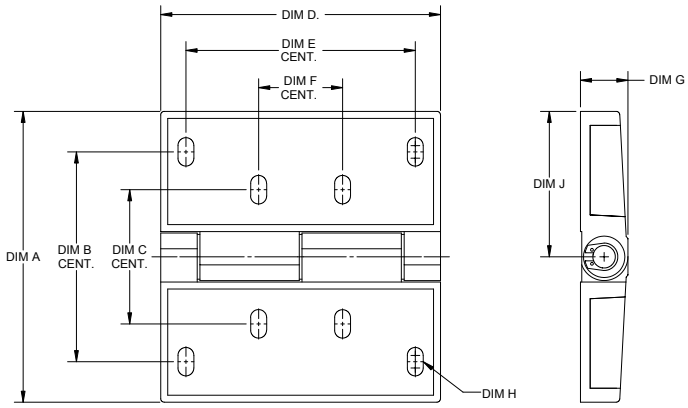
- hospital tips
- brass pin



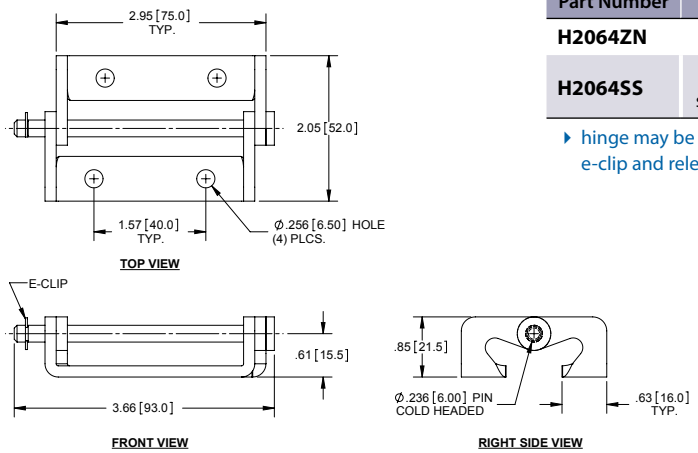
Cast Enclosure Hinges with Fastener Covers

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Dim G	Dim H	Dim J
H2076	4.09 [104.0]	2.95 [75.0]	1.89 [48.0]	3.94 [100.0]	3.23 [82.0]	1.18 [30.0]	.67 [17.0]	Ø.224 [5.70] x .40 [10.2]	2.05 [52.0]
H2076-01	3.39 [86.0]	2.44 [62.0]	1.65 [42.0]	3.15 [80.0]	2.16 [55.0]	.98 [25.0]	.57 [14.5]	Ø.205 [5.20] x .31 [8.0]	1.69 [43.0]
H2076-02	2.48 [63.0]	1.78 [45.40]	1.19 [30.40]	2.36 [60.0]	1.57 [40.0]	.78 [20.0]	.45 [11.5]	Ø.165 [4.20] x .22 [5.5]	1.24 [31.5]

- material: die cast zinc
- finish: chrome plated
- stainless steel pin
- (2) polished, stainless steel covers
- (3) brass washers
- (2) retaining rings



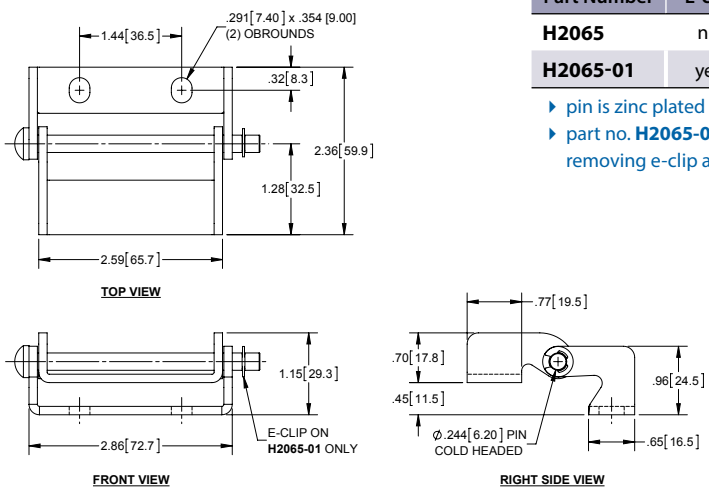
Hinge Assembly with Removable Pin



Part Number	Material	Finish
H2064ZN	steel	zinc plated
H2064SS	300 series stainless steel	passivated

- hinge may be unassembled by removing e-clip and releasing the pin

Hinge Assembly with Removable Pin



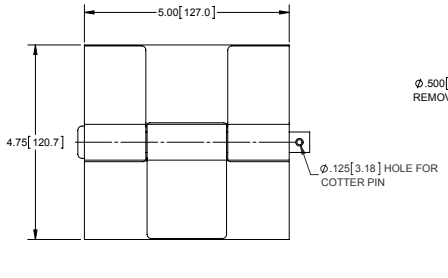
Part Number	E-clip	Material	Finish
H2065	no	steel	mill
H2065-01	yes	steel	mill

- pin is zinc plated with yellow chromate
- part no. **H2065-01** can be unassembled by removing e-clip and releasing the pin

Hinge Assembly with Removable Pin

Part Number	Material	Holes	Finish	Cotter Pin
H1008	aluminum	no	mill	not included
H100802	aluminum	no	mill	included

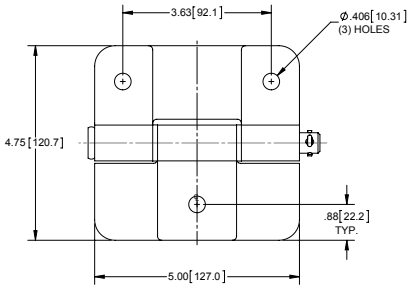
- hinge has a removable steel, zinc plated pin



Hinge Assembly with Removable Pin

Part Number	Material	Holes	Finish	Cotter Pin
H1009	aluminum	yes	mill	included

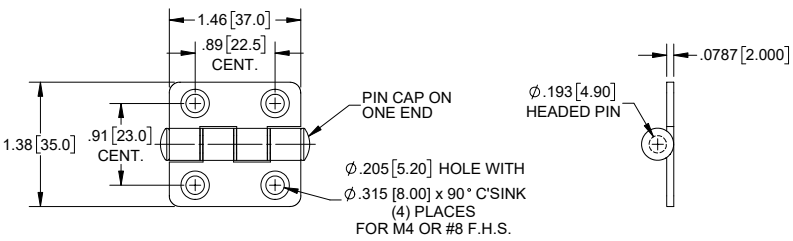
- hinge has a removable steel, zinc plated pin
- includes stainless steel bushings & cotter pin



Stainless Steel Butt Hinge

Part No.	Material	Finish
H2285SS	304SS	brushed

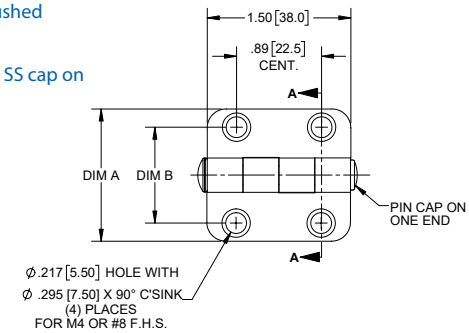
- mounting screw size M4 or #8 F.H.S.



Stainless Steel Butt Hinges

Part No.	Dim A	Dim B
H2271SS-01	1.378 [35.00]	1.00 [25.4]
H2271SS-02	1.870 [47.50]	1.43 [36.2]

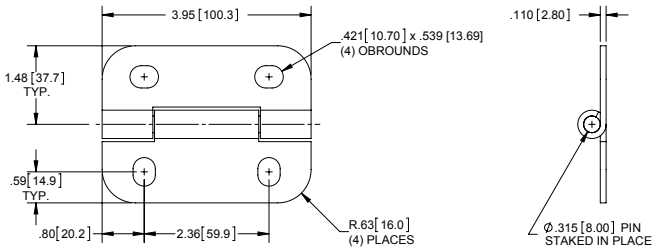
- material: 304SS
- finish: brushed
- mounting screw size M4 or #8 F.H.S.
- pin is cold-headed on one end and has SS cap on the other



part no. **H2271SS-01**

part no. **H2271SS-02**

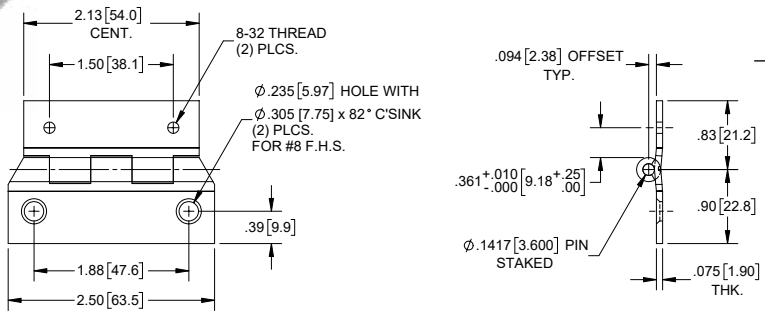
Black Stainless Steel Butt Hinge



Part Number	Material	Finish
12SS30401BK	304SS	black powder

- obrounds on top leaf have a horizontal orientation and bottom obrounds have a vertical orientation

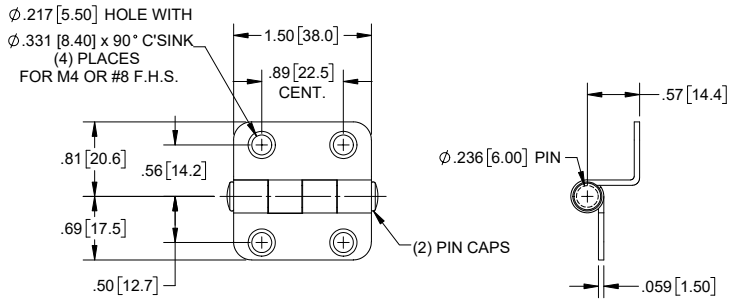
Stamped Butt Hinges



Part Number	Material	Finish
H2099NP	steel	nickel plated
H2099SS	304SS	satin
H2099BK	steel	zinc plated then black powder coated

- mounting screw size #8 F.H.S.

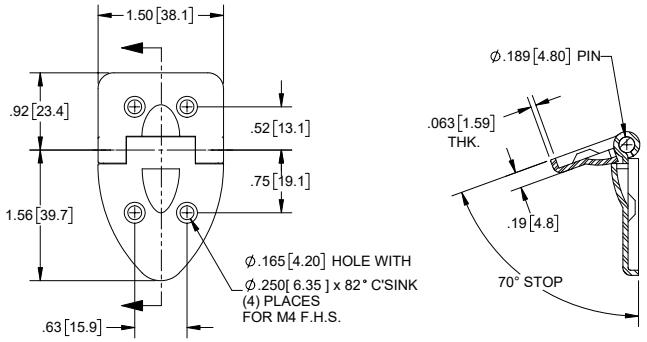
Butt Hinge with Reverse Assembled Formed Leaf



Part No.	Material	Finish
H2266SS	304SS	brushed

- mounting screw size M4 or #8 F.H.S.

Stamped Butt Hinge



TOP VIEW IN FLAT

ROTATED SECTION VIEW

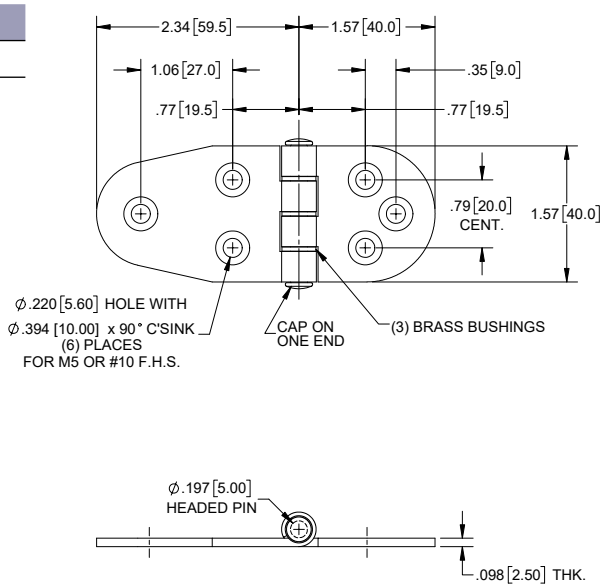
Part No.	Leaf Material	Pin Material
H2005	steel	nickel plated

- mounting screw size M4

Stainless Steel Butt Hinge

Part No.	Material	Finish
H2241SS-01	304SS	brushed

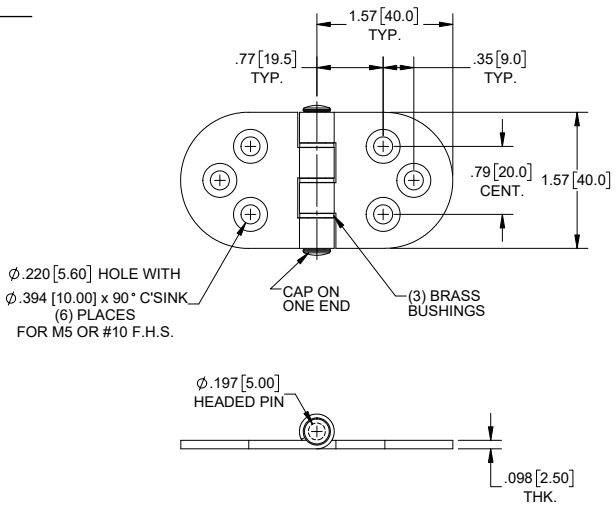
- mounting screw size M5 or #10 F.H.S.



Stainless Steel Butt Hinge

Part No.	Material	Finish
H2241SS-02	304SS	brushed

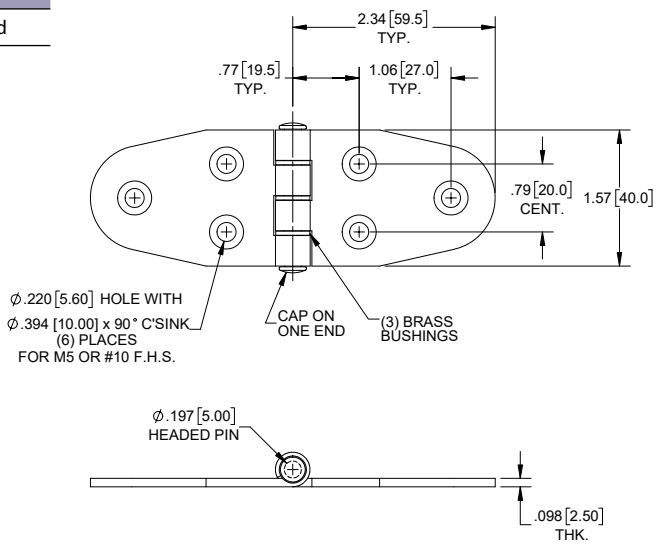
- mounting screw size M5 or #10 F.H.S.



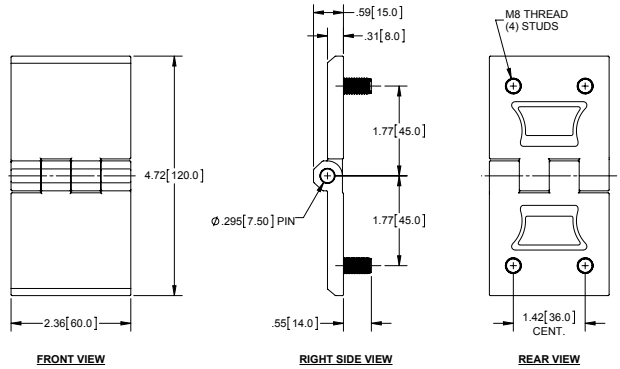
Stainless Steel Butt Hinge

Part No.	Material	Finish
H2241SS-03	304SS	brushed

- mounting screw size M5 or #10 F.H.S.



Die Cast Zinc Butt Hinge



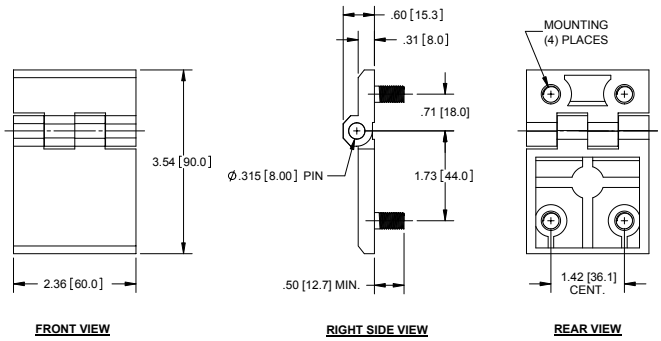
Part Number	Material	Finish
H2082	die cast zinc	black powder coated

- stainless steel passivated M8 studs
- stainless steel, passivated pin

Die Cast Zinc Butt Hinges

part no. **H2072**

part no. **H2072-01**



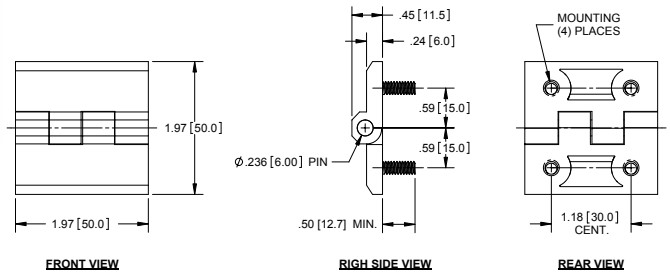
Part Number	Mounting
H2072	M8 threaded studs
H2072-01	Ø8.40mm hole with Ø16.50mm x 90° c'sink

- material: die cast zinc
- finish: black powder coated
- steel, nickel plated pin & threaded studs
- mounting screw size M8 or 5/16" F.H.S.

Cast Butt Hinges

part no. **H2073**

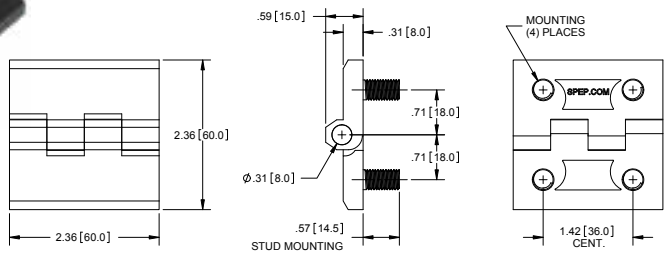
part no. **H2073SS-03**



Part Number	Mounting	Finish
H2073	M6 threaded studs	black powder coated
H2073-03	Ø6.30mm hole with Ø12.50mm x 90° c'sink	
H2073SS-03*	Ø6.30mm hole with Ø12.50mm x 90° c'sink	brushed

- material: die cast zinc
- steel, nickel plated pin & threaded studs
- * **H2073SS-03** 304SS leaves & pin with brushed finish
- mounting screw size M8 F.H.S.

Cast Butt Hinges



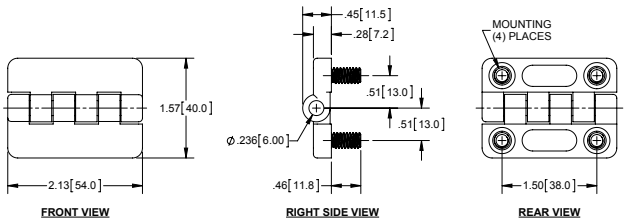
Part Number	Mounting	Finish
H2073-01	M8 threaded studs	black powder coated
H2073-04	Ø8.40mm hole with Ø16.50mm x 90° c'sink	
H2073SS-04*	Ø8.40mm hole with Ø16.50mm x 90° c'sink	brushed

- material: die cast zinc
- steel, nickel plated pin & threaded studs
- * **H2073SS-04** 304SS leaves & pin with brushed finish
- mounting screw size M8 or 5/16" F.H.S.

Die Cast Zinc Butt Hinge

Part Number	Mounting	Finish
H2073-02	1/4-20 threaded studs	black powder coated

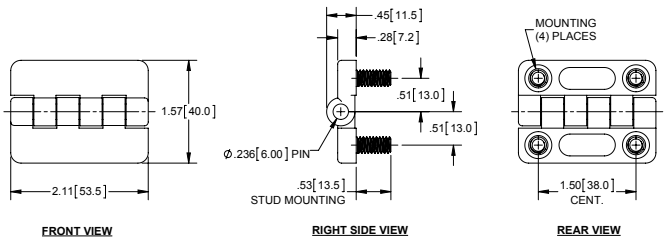
- material: die cast zinc
- steel, nickel plated threaded studs
- steel, nickel plated pin



Die Cast Zinc Butt Hinges

Part Number	Mounting	Finish
H2081	M6 threaded studs	black powder coated
H2081CH*		bright chrome plated
H2081SC*		satin chrome
H2081-02	Ø6.30mm hole with Ø11.20mm x 90° c'sink	black powder coated
H2081CH-02		chrome plated
H2081SC-02		satin chrome

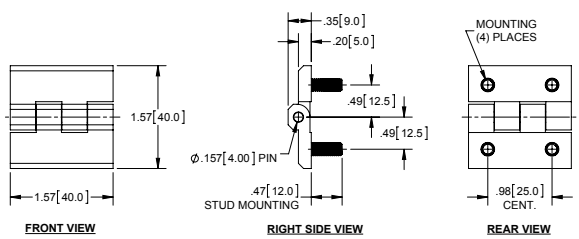
- material: die cast zinc
- stainless steel threaded studs
- stainless steel pin
- * **H2081CH** & **H2081SC** have .47 [12.0] long studs



Cast Butt Hinges

Part Number	Mounting	Finish
H2080	M5 threaded studs	black powder coated
H2080-02	Ø5.30mm hole with Ø9.30mm x 90° c'sink	black powder coated
H2080SS-02*	Ø5.30mm hole with Ø9.30mm x 90° c'sink	brushed

- material: die cast zinc
- ***H2080SS-02** comes in stainless steel
- stainless steel threaded studs
- stainless steel pin



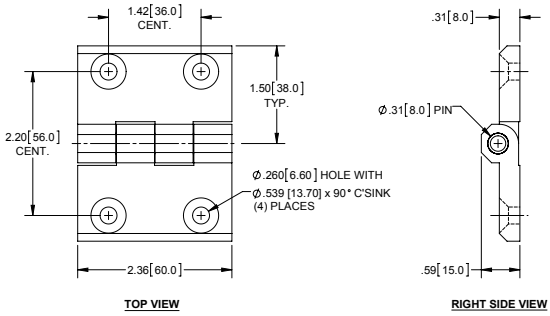
part no. **H2080**

part no. **H2080SS-02**

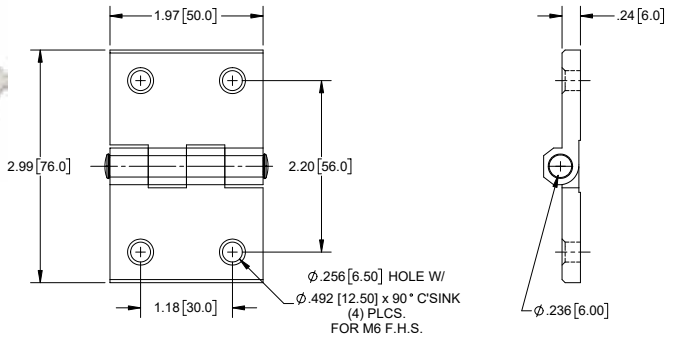
Die Cast Zinc Butt Hinge

Part Number	Material	Finish
H2078	die cast zinc	black powder coated

- stainless steel, passivated pin



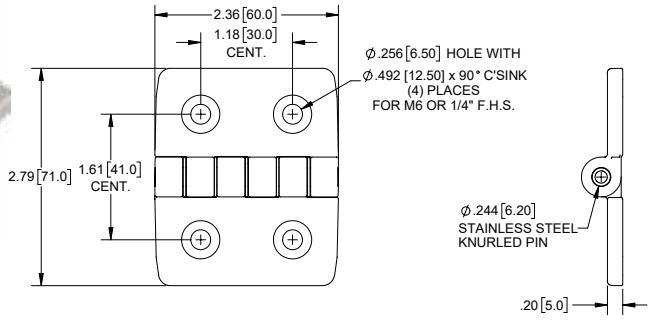
Cast Butt Hinges



Part No.	Material	Finish
H2095	die cast zinc	black powder coated
H2095SS	cast 304SS	brushed

- mounting screw size M6 F.H.S.

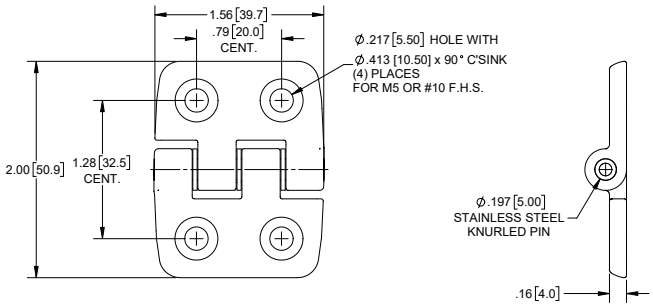
Cast Stainless Steel Butt Hinge



Part No.	Material	Finish
H2259SS	cast 304SS	brushed

- mounting screw size M6 or 1/4" F.H.S.

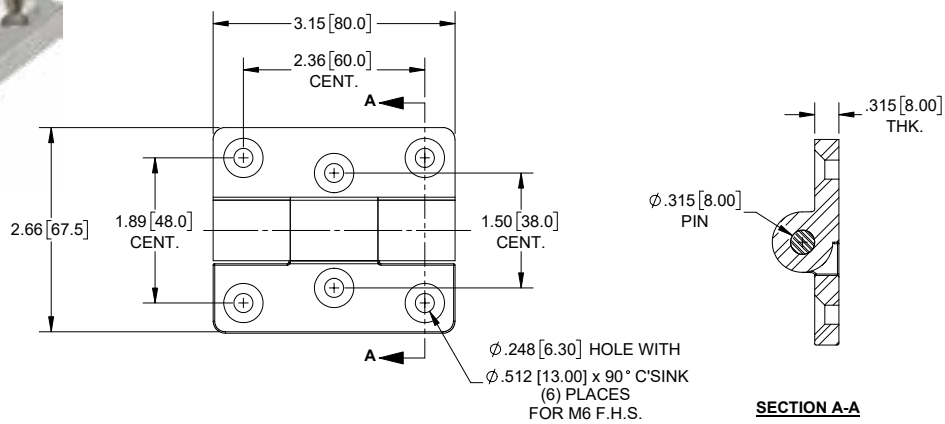
Cast Stainless Steel Butt Hinge



Part No.	Material	Finish
H2259SS-01	cast 304SS	brushed

- mounting screw size M5 or #10 F.H.S.

Cast Stainless Steel Butt Hinge



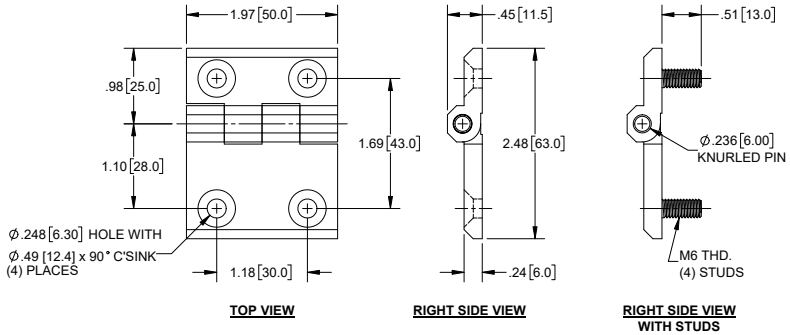
Part No.	Material	Finish
H2281SS	cast 304SS	electropolished

- mounting screw size M6 F.H.S.

Die Cast Zinc Butt Hinges

Part No.	Material / FInish	Pin
H2279BK*	die cast zinc / black powder coated	steel, nickel plated
H2279BK-01		steel, nickel plated
NEW **H2279BK-02**		304SS, passivated

- * part no. **H2279BK** has steel, nickel plated studs



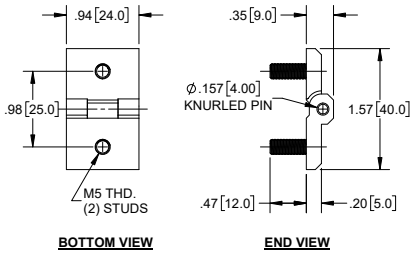
part no.
H2279BK

part no.
H2279BK-01

Die Cast Zinc Butt Hinge

Part No.	Material	Finish
H2256BK	die cast zinc	black powder coated

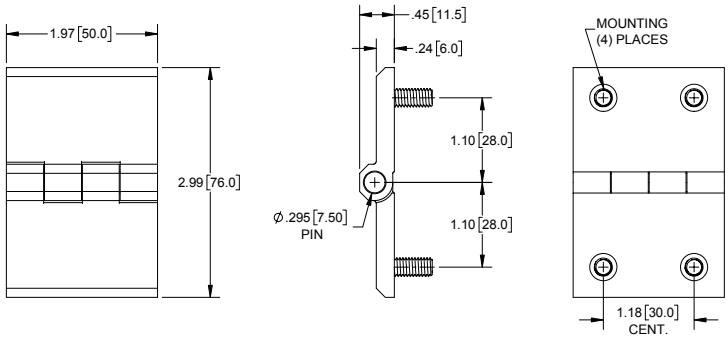
- steel, nickel plated pin
- stainless steel studs



Die Cast Zinc Butt Hinges

Part No.	Mounting
H2257BK	Ø6.30mm hole with Ø12.50mm x 90° c'sink
H2257BK-01	M6 threaded studs

- material: die cast zinc
- finish: black powder coated
- steel, nickel plated studs



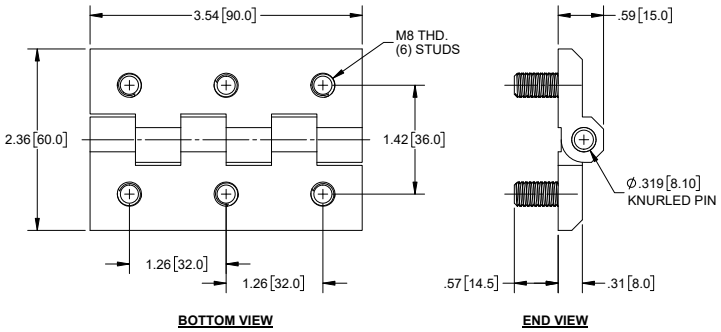
part no.
H2257BK-01

part no.
H2257BK

Die Cast Zinc Butt Hinge

Part No.	Material	Finish
H2280BK	die cast zinc	black powder coated

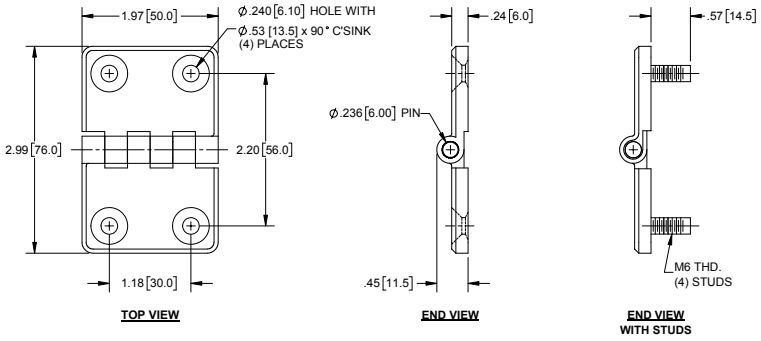
- steel, nickel plated pin & studs



Die Cast Zinc Butt Hinges

Part No.	Mounting	Finish
H2282BK	M6 threaded studs	black powder coated
H2282BK-01	Ø6.10mm hole with Ø13.50mm x 90° c'sink	black powder coated

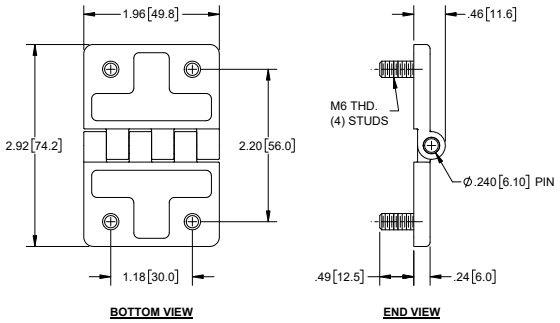
- material: die cast zinc
- steel, nickel plated pin & studs



Die Cast Zinc Butt Hinge

Part No.	Material	Finish
H2275BK	die cast zinc	black powder coated

- steel, nickel plated pin
- steel, black powder coated studs



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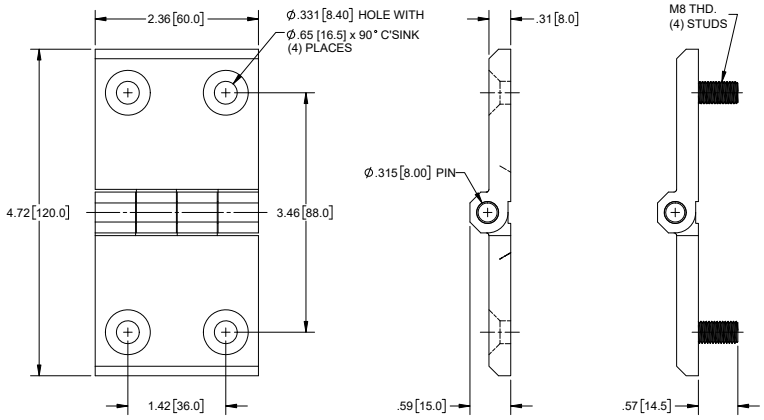
Die Cast Zinc Butt Hinges

Part No.	Mounting
H2269BK	Ø8.40mm hole with Ø16.50mm x 90° c'sink
H2269BK-01	M8 threaded studs

- steel, nickel plated pin & studs
- mounting screw size M8 or 5/16" F.H.S.



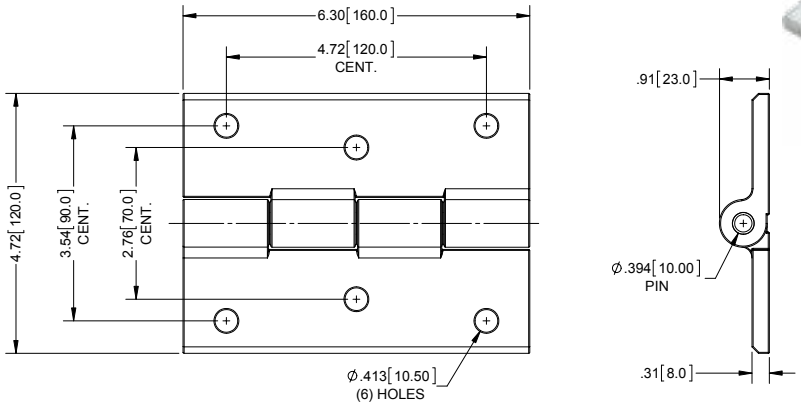
part no.
H2269BK

part no.
H2269BK-01

Heavy Duty Butt Hinges

Part Number	Material	Finish
H2219BK	cast steel	black painted
H2219G	cast steel	gray painted

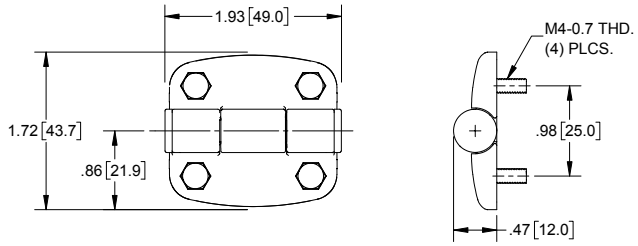
- stainless steel pin
- mounting screw size M10 or 3/8"



Die Cast Zinc Hinge with Screw Covers

Part No.	Material	Finish
H2233	die cast zinc	matte black, lightly textured

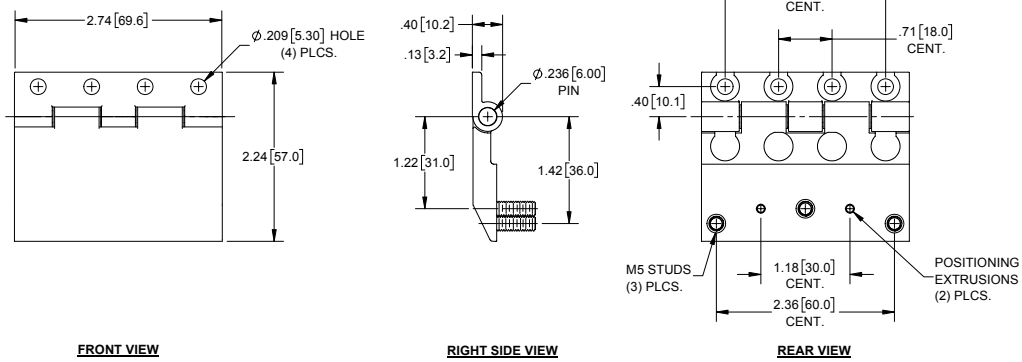
- covers material: nylon
- steel, nickel plated pin
- includes (4) steel, zinc plated screws



Enclosure Hinge

Part Number	Material	Finish
H2216	die cast zinc	smooth black powder coated

- pin: steel, nickel plated
- studs: stainless steel, black powder coated
- brass bushings
- mounting screw size M5 or #10

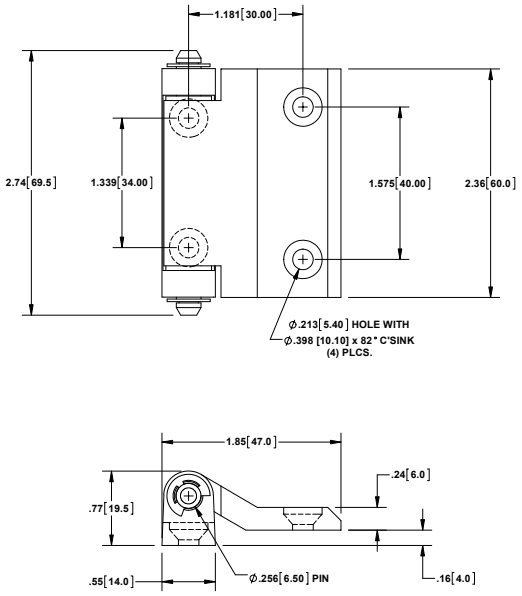


FRONT VIEW RIGHT SIDE VIEW REAR VIEW

Cast Hinge with Offset Leaves

Part No.	Material	Finish
H2079	die cast zinc	black textured

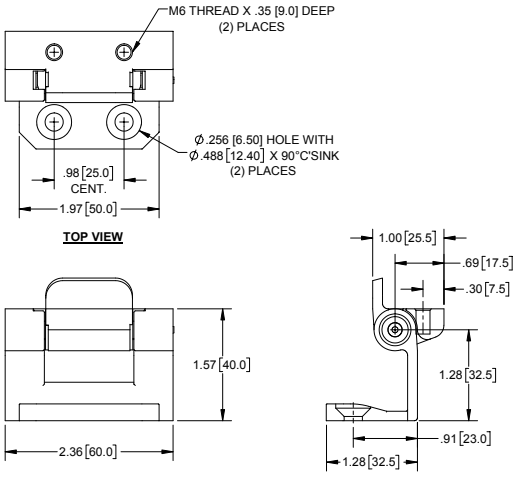
- stainless steel pin & c-clips
- plastic bushings
- mounting screw size M5 or #10 F.H.S.



Die Cast Zinc Hinge

Part No.	Material	Finish
H2247BK	die cast zinc	matte black

- steel, zinc plated pin
- mounting screw size M6 or 1/4" F.H.S.

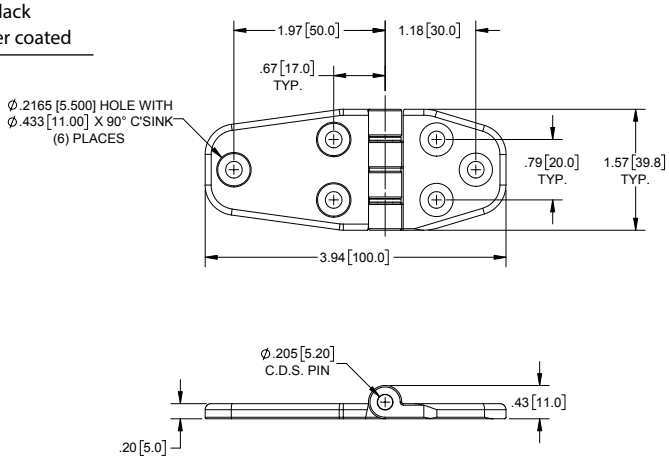


TOP VIEW FRONT VIEW RIGHT SIDE VIEW

Die Cast Zinc Butt Hinge

Part No.	Material	Finish
H2253BK-01	die cast zinc	black powder coated

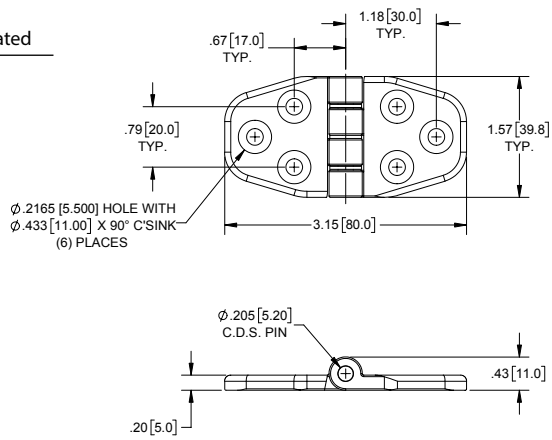
- steel, nickel plated pin
- mounting screw size M5 or #10 F.H.S.



Die Cast Zinc Butt Hinge

Part No.	Material	Finish
H2253BK-02	die cast zinc	black powder coated

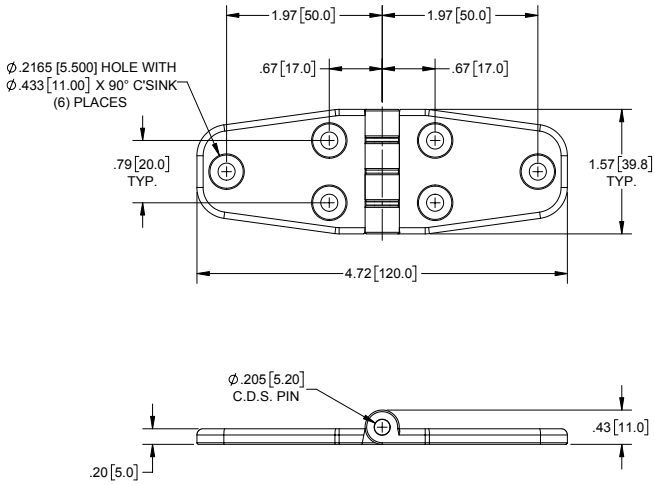
- steel, nickel plated pin
- mounting screw size M5 or #10 F.H.S.



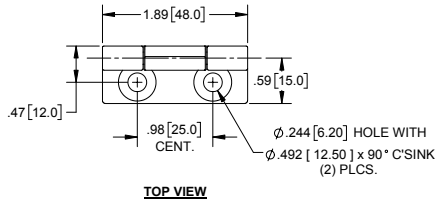
Die Cast Zinc Butt Hinge

Part No.	Material	Finish
H2253BK-03	die cast zinc	black powder coated

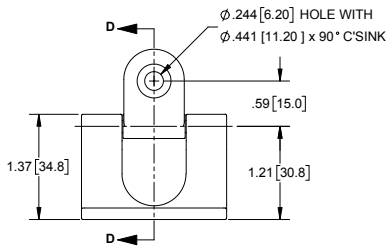
- steel, nickel plated pin
- mounting screw size M5 or #10 F.H.S.



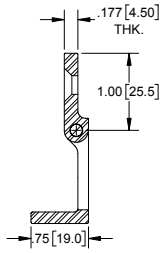
Die Cast Zinc Hinge



TOP VIEW



FRONT VIEW

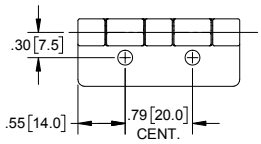


SECTION D-D

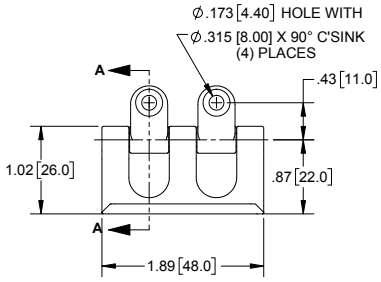
Part No.	Material	Finish
H2251BK	die cast zinc	black powder coated

- steel, nickel plated pin
- mounting screw size M6 or #10, 12 F.H.S.

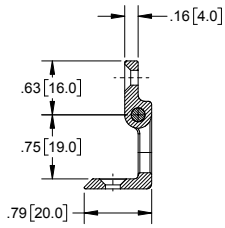
Die Cast Zinc Hinge



TOP VIEW



FRONT VIEW

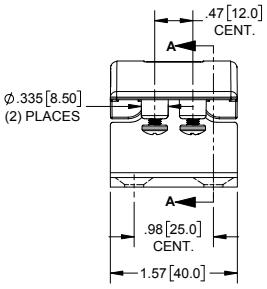


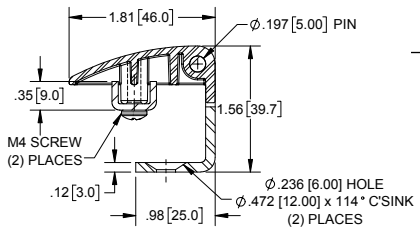
SECTION A-A

Part No.	Material	Finish
H2254CH	die cast zinc	textured chrome plated

- steel, nickel plated pin
- mounting screw size M4 or #8 F.H.S.

Butt Hinge with Mounting Bracket



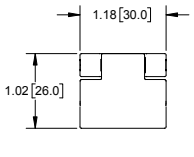


SECTION A-A

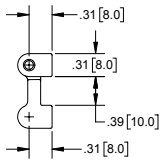
Part No.	Material	Finish
H2270BK	die cast zinc	black powder coated

- steel, zinc plated pin, mounting bracket, and mounting screw
- mounting screw size M5 or #10 F.H.S.

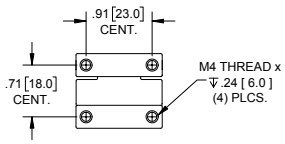
Die Cast Zinc Hinge



FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW

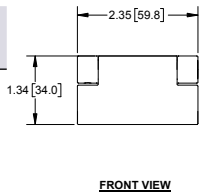
Part No.	Material	Finish
H2250BK	die cast zinc	black powder coated
H2250CH	die cast zinc	chrome plated

- steel, nickel plated pin
- mounting screw size M4

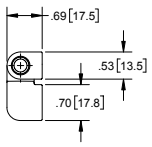
Die Cast Zinc Hinges

Part No.	Material	Finish
H2246BK-01	die cast zinc	black powder coated
H2246CH-01	die cast zinc	dull chrome plated

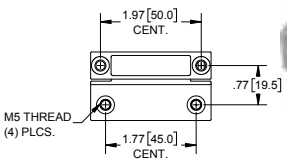
- pin & set screw: steel with nickel plated finish
- removable pin is kept in place by set screw
- includes (4) O-rings to provide sealing for each screw



FRONT VIEW



RIGHT SIDE VIEW

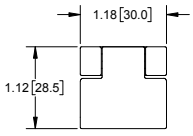


REAR VIEW

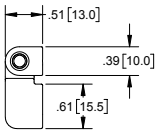
Die Cast Zinc Hinges

Part No.	Material	Finish
H2246BK-02	die cast zinc	black powder coated
H2246CH-02	die cast zinc	dull chrome plated

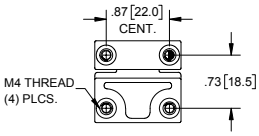
- steel, nickel plated pin
- includes (4) O-rings to provide sealing for each screw



FRONT VIEW



RIGHT SIDE VIEW

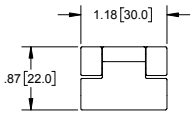


REAR VIEW

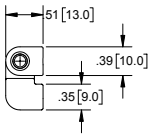
Die Cast Zinc Hinges

Part No.	Material	Finish
H2246BK-03	die cast zinc	black powder coated
H2246CH-03	die cast zinc	dull chrome plated

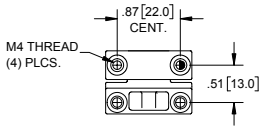
- steel, nickel plated pin
- includes O-ring to use when mounting



FRONT VIEW



RIGHT SIDE VIEW

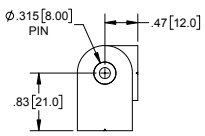


REAR VIEW

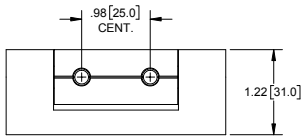
Aluminum Hinge Block

Part No.	Material	Finish
H2277BK	cast aluminum	black powder coated

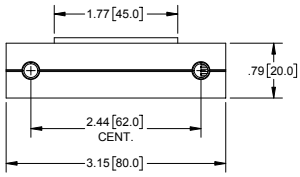
- steel, nickel plated pin



END VIEW



FRONT VIEW

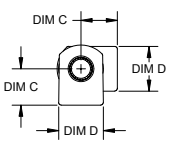


BOTTOM VIEW

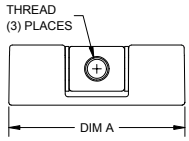
Die Cast Zinc Hinge Blocks

Part No.	Dim A	Dim B	Dim C	Dim D	Dim E	Thread
H2255BK-01	2.48 [63.0]	1.69 [43.0]	0.51 [13.0]	0.63 [16.0]	0.78 [19.8]	M8
H2255BK-02	1.77 [45.0]	1.26 [32.0]	0.46 [11.6]	0.55 [14.0]	0.59 [15.0]	M6

- material: die cast zinc
- finish: black powder coated
- steel, nickel plated pin



END VIEW



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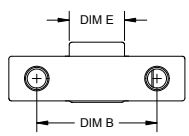
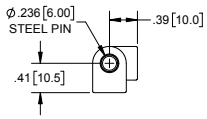
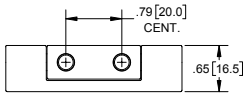


BOTTOM VIEW

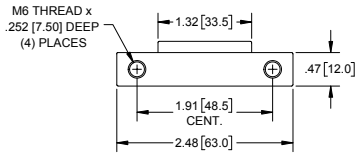
Die Cast Zinc Hinge Block



END VIEW



FRONT VIEW

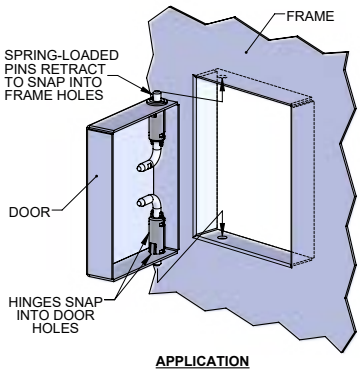


BOTTOM VIEW

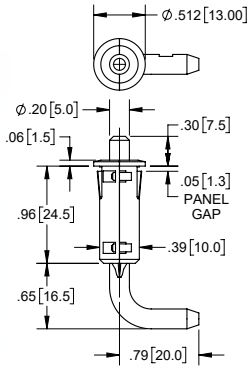
Part No.	Material	Finish
H2276BK	die cast zinc	black powder coated

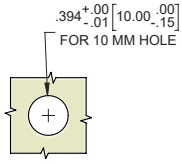
- steel pin with nickel plated finish

Concealed Hinge



APPLICATION

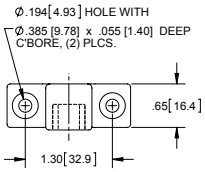


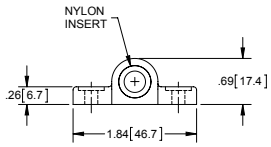


MOUNTING DIMENSIONS

Part Number	Housing		Pin	
	Material	Finish	Material	Finish
D446	plastic	black	die cast zinc	zinc pated

Hinge Block

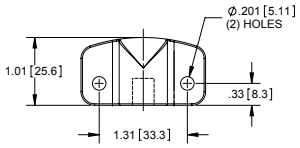


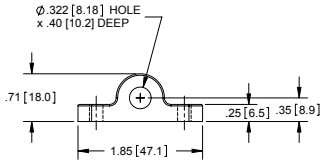


Part Number	Material	Finish
95SS	304SS	mill

- accepts a .313 [7.94] diameter rod

Plastic Hinge Block

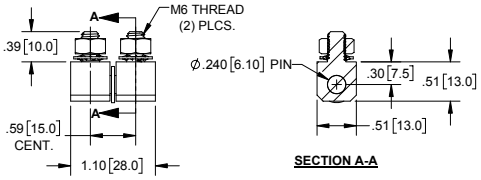




Part Number	Material	Finish
95P	plastic	natural

- accepts a .313 [7.94] diameter rod

Hinge Block



SECTION A-A

Part No.	Material	Finish
H2260	steel	zinc plated

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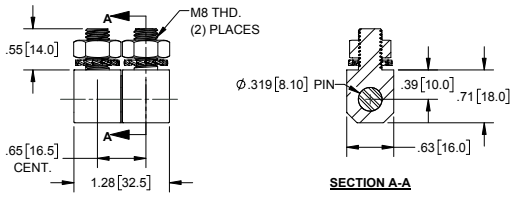
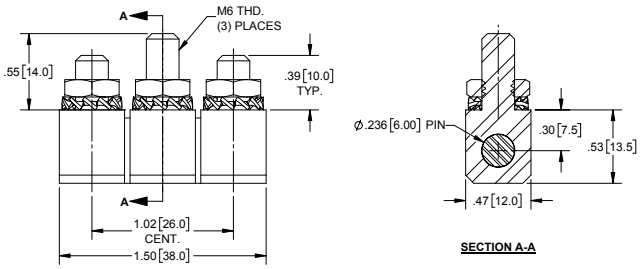
Hinge Blocks

Part No.	Material	Finish
H2260-01	steel	zinc plated
H2260SS-01	304SS	mill



Hinge Block

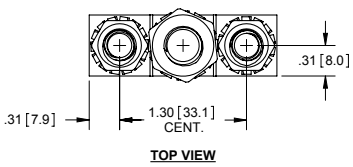
Part No.	Material	Finish
H2003SS	304SS	brushed

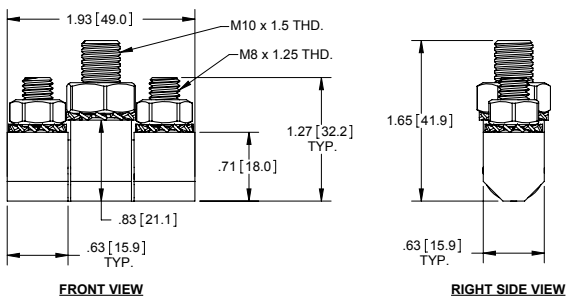


316SS Hinge Block with Threaded Studs

Part Number	Material	Finish
H2004-01	steel	zinc plated
H2004-02*	316SS	electropolished

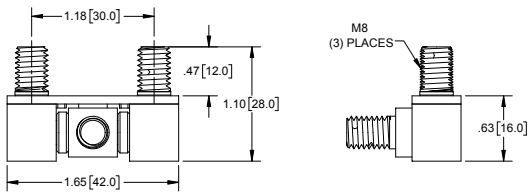
- * middle block is removable on part no. **H2004-02**





Steel Hinge Block

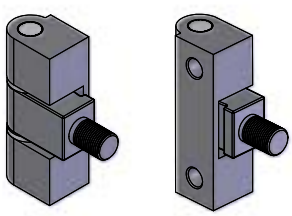
Part No.	Material	Finish
H2262	steel	chrome plated



Hinge Block

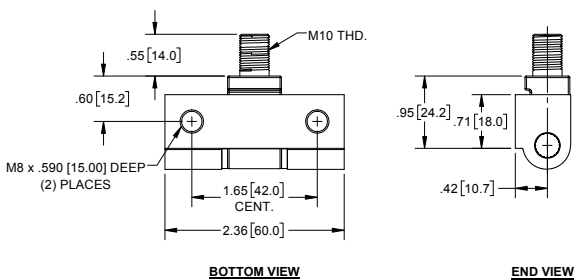
Part No.	Description	Material
H2263CH-L	left hand	die cast zinc
H2263CH-R	right hand	die cast zinc

- finish: chrome plated
- steel, nickel plated pin

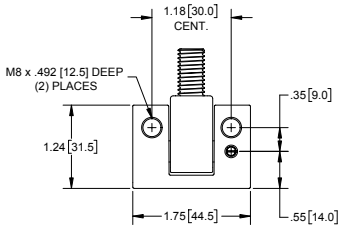


LEFT HAND

RIGHT HAND



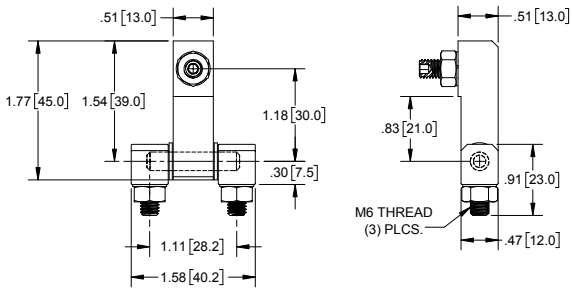
Hinge Block



Part No.	Material	Finish
H2261CH	die cast zinc	chrome plated

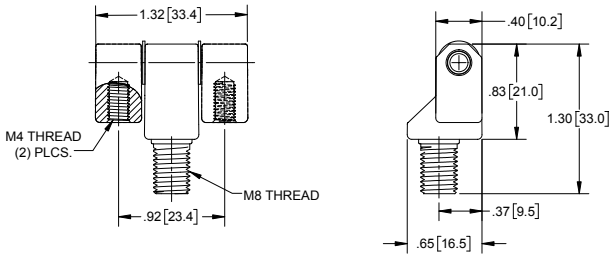
- steel, nickel plated pin

Hinge Block



Part No.	Material	Finish
H2264	steel	zinc plated

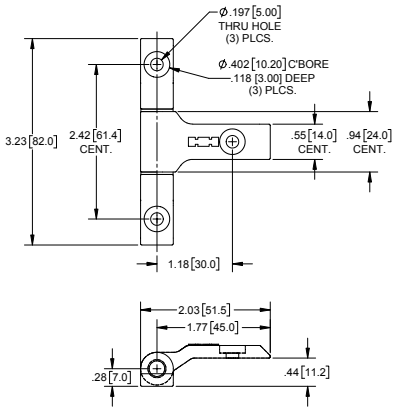
Hinge Block



Part No.	Material	Finish
H2265BK	die cast zinc	black powder coated

- 180° rotation
- steel, nickel plated pin

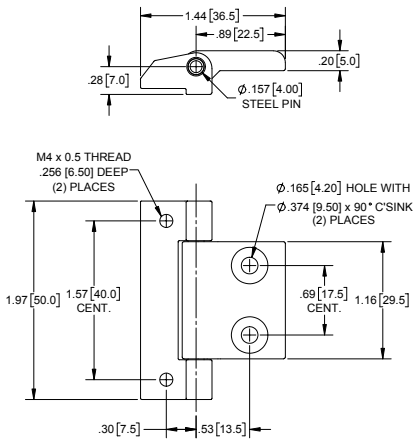
Die Cast Zinc Strap Hinge



Part No.	Material	Finish
H2249BK	die cast zinc	black powder coated

- steel, nickel plated pin

Die Cast Zinc Strap Hinge



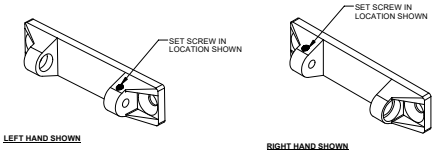
Part No.	Material	Finish
H2248BK	die cast zinc	black powder coated

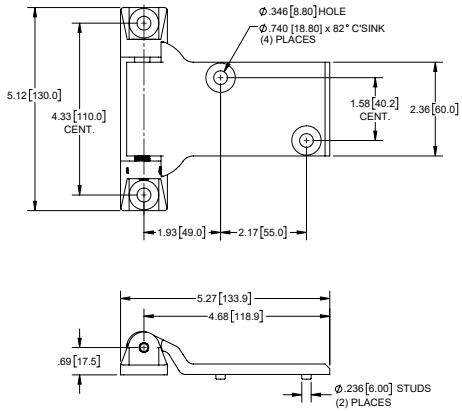
- steel, nickel plated pin

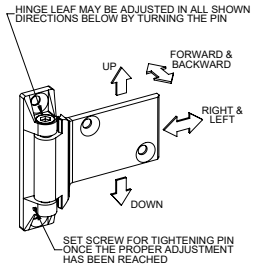
Die Cast Zinc Strap Hinges with Adjustable Offset

Part No.	Material	Description
H2258BK-LH	die cast zinc	left hand
H2258BK-RH	die cast zinc	right hand

- finish: matte black
- stainless steel pin with passivated finish
- eccentric pin allows up/down & lateral in/out hinge adjustement
- includes set screw to lock pin in place after adjustment



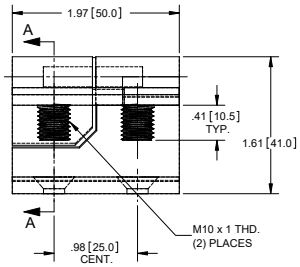




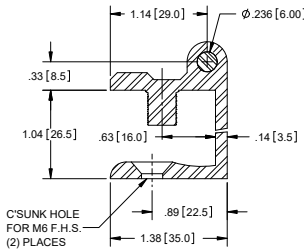
Cast Lift-off Hinges with Threaded Studs

Part No.	Material	Finish	Description
H2070RH	die cast zinc	black powder coated	right hand
H2070LH	die cast zinc	black powder coated	left hand

- brass bushing
- steel, nickel plated pin
- left and right hand hinges are a mirror image of each other



FRONT VIEW



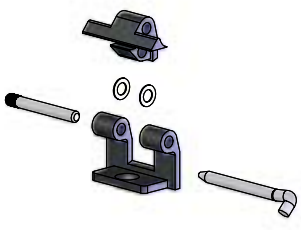
SECTION A-A

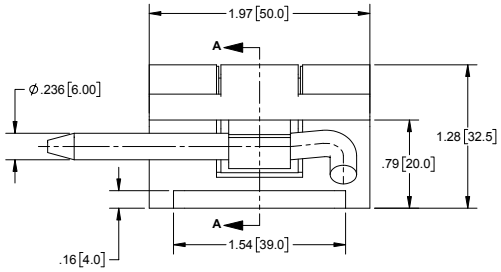
RH shown

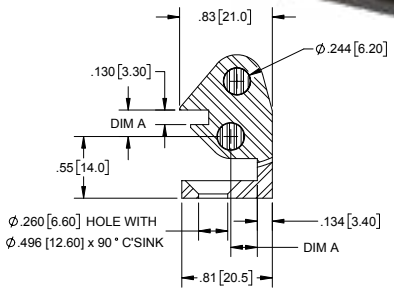
Cast Take-apart Enclosure Hinges

Part No.	Material	Door	Dim. A
H2089	die cast zinc	1.5-2mm thick	5mm
H2089-01	die cast zinc	2.5-3.2mm thick	6mm

- finish: black powder coated leaves
- steel, zinc plated pin

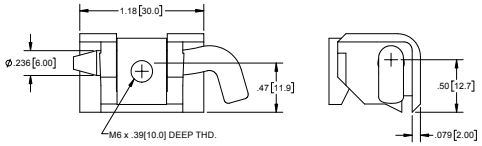

EXPLODED VIEW





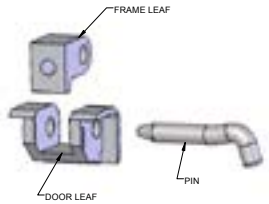
SECTION A-A

Enclosure Hinge



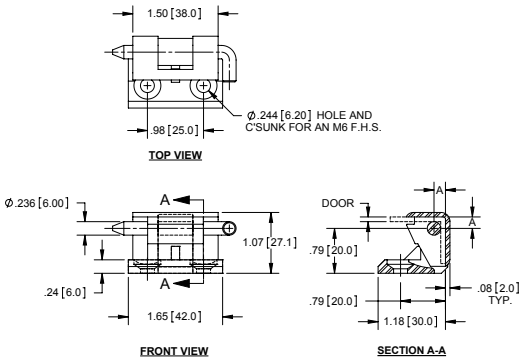
Part No.	Material	Finish	Door
H3537	die cast zinc	smooth black powder coated	1.5-2mm thick

- components can be purchased separately



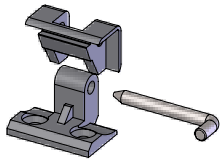
EXPLODED VIEW

Cast Take-apart Enclosure Hinges

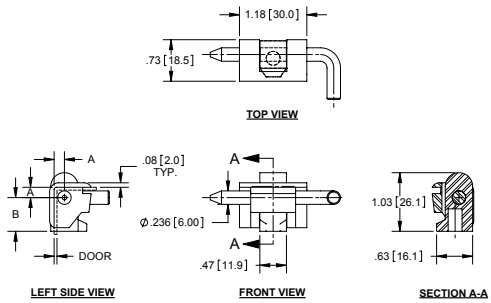


Part Number	Material	Door	Dim. A
H2071	die cast zinc	2mm thick	5.1mm
H2071-01*	die cast zinc	3mm thick	6.1mm

- black powder coated leaves
- steel, nickel plated pin
- * indicates non-stock items

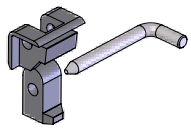

EXPLODED VIEW

Cast Take-apart Enclosure Hinges

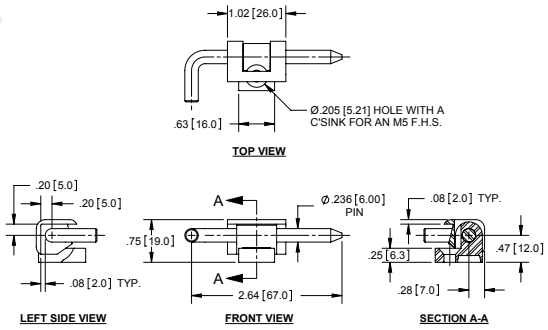


Part Number	Material	Door	Dim. A	Dim. B
H2074	die cast zinc	1.5mm thick	4.6mm	15mm
H2074-01	die cast zinc	2mm thick	5.1mm	15mm
H2074-02	die cast zinc	1.5mm thick	4.6mm	17mm
H2074-03	die cast zinc	2mm thick	5.1mm	17mm
H2074-04	die cast zinc	1.5mm thick	4.6mm	19mm
H2074-05	die cast zinc	2mm thick	5.1mm	19mm

- black powder coated leaves
- steel, nickel plated pin

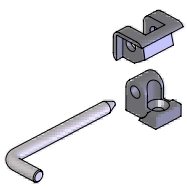

EXPLODED VIEW

Cast Take-apart Enclosure Hinge



Part Number	Material	Finish
H2077	die cast zinc	black powder coated

- steel, nickel plated pins


EXPLODED VIEW

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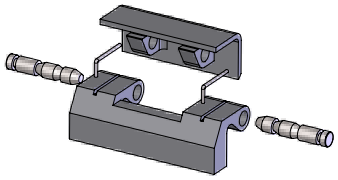
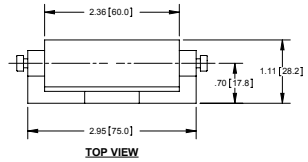
Cast Take-apart Enclosure Hinge

Part No.	Material	Finish
H2075	die cast zinc	black powder coated

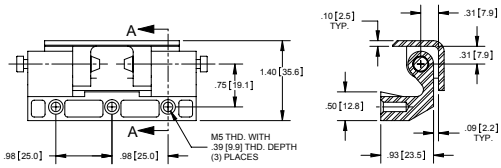
- steel, zinc plated pins



EXPLODED VIEW



TOP VIEW

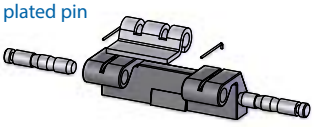


FRONT VIEW SECTION A-A

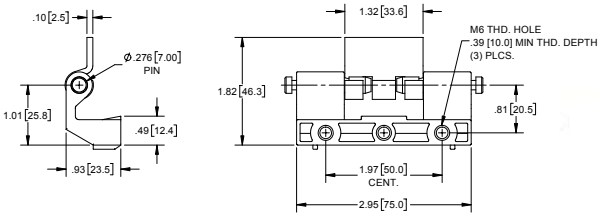
Take-apart Enclosure Hinge

Part Number	Base		Weld-on Leaf	
	Material	Finish	Material	Finish
H2086	die cast zinc	sand blasted	steel	zinc plated

- steel, zinc plated pin



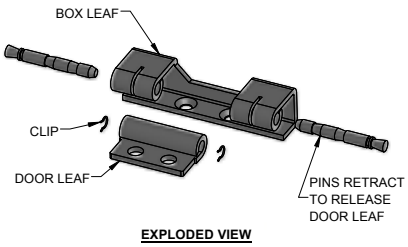
EXPLODED VIEW



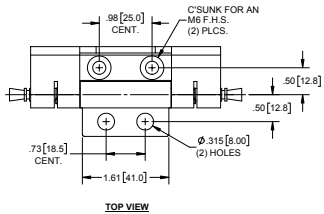
Enclosure Hinge

Part Number.	Material	Finish
H2267	steel	zinc plated

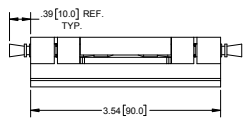
- steel clips and pins



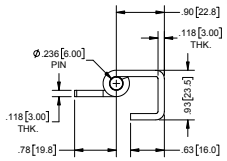
EXPLODED VIEW



TOP VIEW



FRONT VIEW

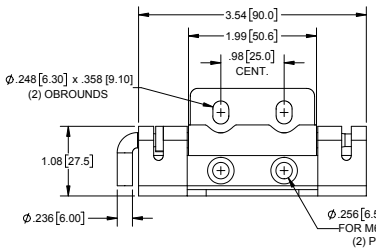


SIDE VIEW

Heavy Duty Hinges with Quick Release Pin

Part Number	Material	Finish
J2188	steel	zinc plated
J2188SS	304SS	passivated

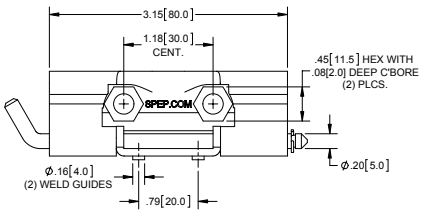
- includes: box leaf, lid leaf, pin, capture ring



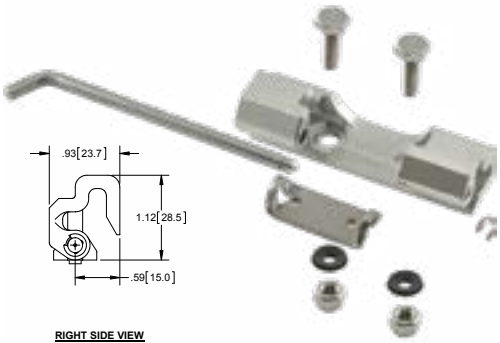
Enclosure Hinge Kits with Cast Box Leaves

Part Number	Box Leaf Material	Finish
J2130	die cast zinc	clear zinc
J2130SS	304SS	passivated

- includes: box leaf, lid leaf, pin, c-clip, (2) 1/4-20 screws, (2) sealing washers, (2) 1/4-20 nylon nuts



TOP VIEW



RIGHT SIDE VIEW

Lift-off Hinges

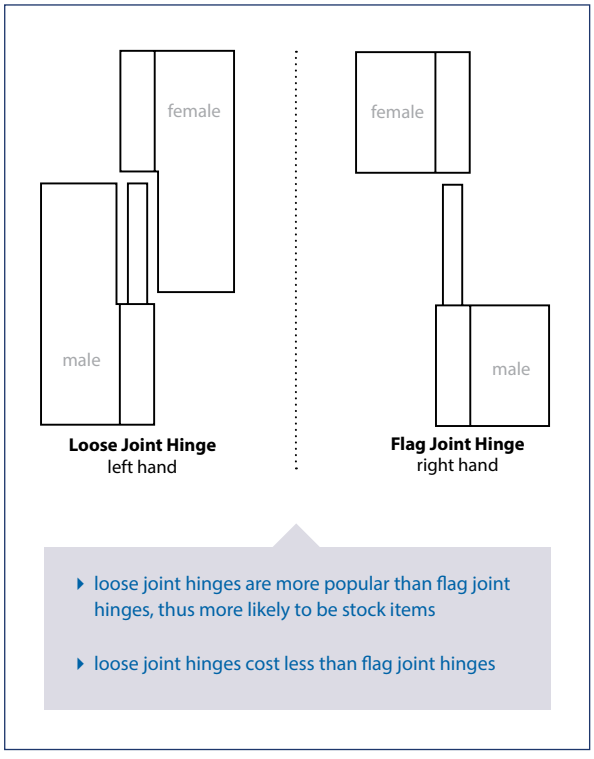
Steel Flag Joint Hinges

Left Hand Part No.	Material Thickness	Open Width	Length	Pin Dia.	Right Hand Part No.
FJ41220L ◆	.048	1.25	2.00	.125	FJ41220R ◆
FJ41520L	.048	1.50	2.00	.125	FJ41520R
FJ41525L ◆	.048	1.50	2.50	.125	FJ41525R ◆
FJ42030L ✸	.048	2.00	3.00	.125	FJ42030R ✸
FJ61015L ◆	.060	1.00	1.50	.125	FJ61015R ◆
FJ61220L	.060	1.25	2.00	.125	FJ61220R
FJ61520L	.060	1.50	2.00	.125	FJ61520R
FJ62020L ◆	.060	2.00	2.00	.125	FJ62020R ◆
FJ62025L ◆	.060	2.00	2.50	.125	FJ62025R ◆
FJ62030L	.060	2.00	3.00	.125	FJ62030R
FJ71520L ◆	.075	1.50	2.00	.125	FJ71520R ◆
FJ72025L ✸	.075	2.00	2.50	.125	FJ72025R ✸
FJ72030L ✸	.075	2.00	3.00	.187	FJ72030R ✸
FJ73040L ◆ ✸	.075	3.00	4.00	.187	FJ73040R ◆ ✸
FJ92025L ◆	.090	2.00	2.50	.187	FJ92025R ◆
FJ92030L ◆	.090	2.00	3.00	.187	FJ92030R ◆
FJ93030L	.090	3.00	3.00	.250	FJ93030R
FJ93040L	.090	3.00	4.00	.250	FJ93040R
FJ123040L ◆	.120	3.00	4.00	.250	FJ123040R ◆
FJ124040L ◆ ✸	.120	4.00	4.00	.250	FJ124040R ◆ ✸

Steel Loose Joint Hinges

Left Hand Part No.	Material Thickness	Open Width	Length	Pin Dia.	Right Hand Part No.
LJ41015L ◆	.048	1.00	1.50	.125	LJ41015R ◆
LJ41215L ◆	.048	1.25	1.50	.125	LJ41215R ◆
LJ41520L ◆	.048	1.50	2.00	.125	LJ41520R ◆
LJ41525L ◆	.048	1.50	2.50	.125	LJ41525R ◆
LJ42025L ◆ ● ✸	.051	2.00	2.50	.250	LJ42025R ◆ ● ✸
LJ61220L ✸	.060	1.25	2.00	.125	LJ61220R ✸
LJ61520L ◆ ✸	.060	1.50	2.00	.125	LJ61520R ◆ ✸
LJ61525L	.060	1.50	2.50	.125	LJ61525R
LJ62030L ◆	.060	2.00	3.00	.125	LJ62030R ◆
LJ63040L ◆	.060	3.00	4.00	.125	LJ63040R ◆
LJ62021L	.060	2.00	2.00	.187	LJ62021R
LJ71825L	.074	1.88	2.50	.187	LJ71825R ◆
LJ72030L ◆	.074	2.00	3.00	.187	LJ72030R ◆
NEW LJ72525L	.075	2.50	2.50	.187	LJ72525R NEW
LJ73040L ◆	.074	3.00	4.00	.187	LJ73040R ◆
LJ81720L ✸	.080	1.68	2.00	.187	LJ81720R ✸
LJ81720L02 ▼ ✸	.080	1.68	2.00	.187	LJ81720R02 ▼ ✸
LJ81720L03 × ✸	.080	1.68	2.00	.187	LJ81720R03 × ✸
LJ81520L	.080	1.50	2.00	.250	LJ81520R
LJ91520L ◆	.090	1.50	2.00	.187	LJ91520R ◆
LJ91525L ◆	.090	1.50	2.50	.187	LJ91525R ◆
LJ92025L ◆	.090	2.00	2.50	.187	LJ92025R ◆
LJ92030L ◆	.090	2.00	3.00	.250	LJ92030R ◆
LJ92525L ◆	.090	2.50	2.50	.187	LJ92525R ◆
LJ93030L ◆ ✸	.090	3.00	3.00	.250	LJ93030R ◆ ✸
LJ94040L ◆	.090	4.00	4.00	.250	LJ94040R ◆
LJ123040L	.120	3.00	4.00	.250	LJ123040R
LJ124040L	.120	4.00	4.00	.250	LJ124040R
LJ125050L ◆	.120	5.00	5.00	.250	LJ125050R ◆
LJ126060L ◆	.120	6.00	6.00	.250	LJ126060R ◆
LJ183040L	.180	3.00	4.00	.375	LJ183040R
LJ184050L ◆	.180	4.00	5.00	.375	LJ184050R ◆
LJ186060L ◆ ✸	.180	6.00	6.00	.375	LJ186060R ◆ ✸

● these hinges have (2) Ø.130 holes
▼ these hinges have (2) Ø.187 holes
× these hinges have (2) Ø.208 holes
◆ indicates stock items
✸ = money saver



Loose Joint Hinge
left hand

Flag Joint Hinge
right hand

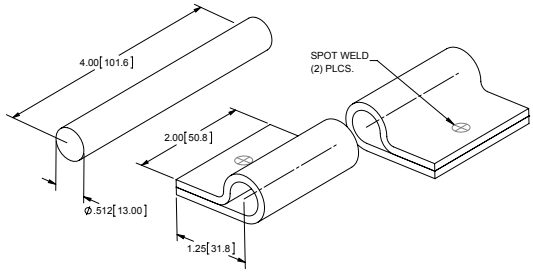
- loose joint hinges are more popular than flag joint hinges, thus more likely to be stock items
- loose joint hinges cost less than flag joint hinges

300 Series Loose Joint Hinges

Left Hand Part No.	Material Thickness	Open Width	Length	Pin Dia.	Right Hand Part No.
LJ41015LS ◆	.048	1.00	1.50	.125	LJ41015RS ◆
LJ42025LS ◆ ● ✸	.051	2.00	2.50	.250	LJ42025RS ◆ ● ✸
LJ61220LS ✸	.060	1.25	2.00	.125	LJ61220RS ✸
LJ61520LS ◆ ✸	.060	1.50	2.00	.125	LJ61520RS ◆ ✸
LJ71520LS	.074	1.50	2.00	.187	LJ71520RS
LJ81720LS ✸	.080	1.68	2.00	.187	LJ81720RS ✸
LJ81720LS02 ▼ ✸	.080	1.68	2.00	.187	LJ81720RS02 ▼ ✸
LJ81720LS03 × ✸	.080	1.68	2.00	.187	LJ81720RS03 × ✸
LJ92025LS ◆	.090	2.00	2.50	.187	LJ92025RS ◆
LJ93030LS ◆ ✸	.090	3.00	3.00	.250	LJ93030RS ◆ ✸
LJ123040LS ◆	.120	3.00	4.00	.250	LJ123040RS ◆
LJ124040LS ◆	.120	4.00	4.00	.250	LJ124040RS ◆
LJ184050LS	.187	4.00	5.00	.375	LJ184050RS

Double Wrap Flag Joint Hinges

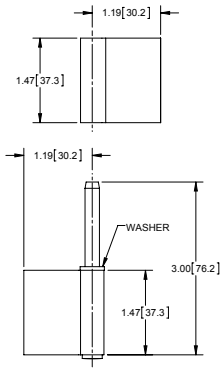
Part Number	Material	Finish
H1039	.120 [3.05] steel	mill
H1039ZN	.120 [3.05] steel	zinc plated
H1039SS	304SS	passivated



Stainless Steel Flag Joint Hinge

Part Number	Material	Finish
FJ71130L01	.079 [20.07] 304SS	tumbled

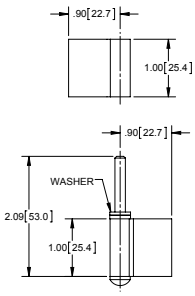
- pin: Ø.250 [6.35] cold headed pin
- both leaves half swaged
- washer welded to knuckle



Stainless Steel Flag Joint Hinge

Part Number	Material	Finish
FJ61720SS	.079 [20.07] 304SS	tumbled

- pin: Ø.181 [4.60] cold headed pin
- both leaves half swaged
- includes stainless steel and nylon washer for needed application



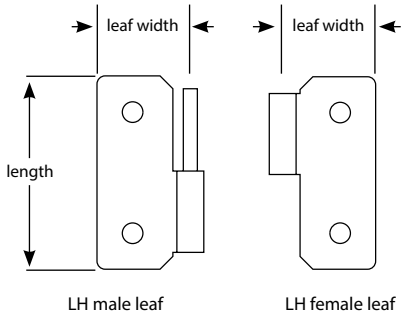
Cold Rolled Steel Loose Joint Hinges

Part Number	Leaf Side	Hole Size	Pin Length	Gauge	Leaf Width	Length	Pin Dia.
BH8150 ▲	LH male	.161 [4.09]	.500 [12.70]	.050 [1.27]	.719 [18.26]	1.500 [38.10]	.120 [3.05]
BH8150NH ▲	LH male	no holes	.500 [12.70]				
BH8152 ●	LH male	.161 [4.09]	.625 [15.88]				
BH8152NH ●	LH male	no holes	.625 [15.88]				
BH8154	LH female	.161 [4.09]	n/a				
BH8154NH	LH female	no holes	n/a				
BH8160	RH female	.161 [4.09]	n/a				
BH8160NH	RH female	no holes	n/a				
BH8162 ▲	RH male	.161 [4.09]	.500 [12.70]				
BH8162NH ▲	RH male	no holes	.500 [12.70]				
BH8164 ●	RH male	.161 [4.09]	.625 [15.88]				
BH8164NH ●	RH male	no holes	.625 [15.88]				

- all part numbers are mill finish (call for finish availability)

▲ short pin

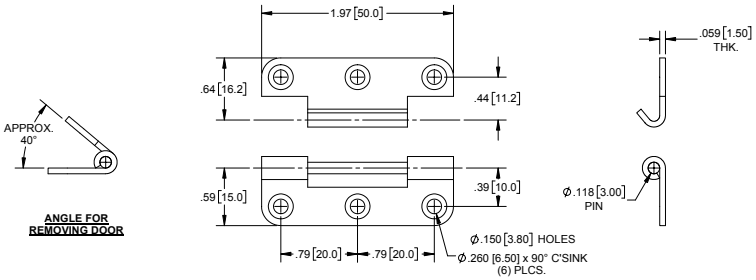
● long pin



Brass Take-apart Hinge

Part No.	Material	Finish
H2242N	brass	nickel plated

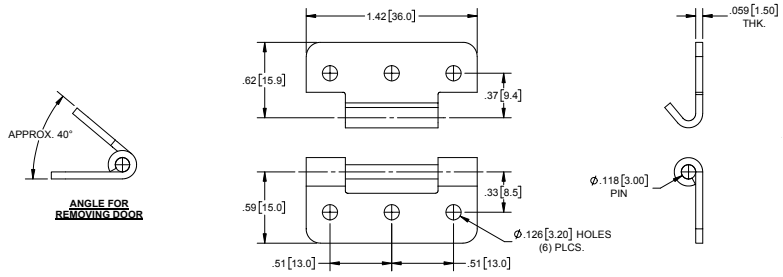
- mounting screw size #6



Brass Take-apart Hinge

Part No.	Material	Finish
H2243N	brass	nickel plated

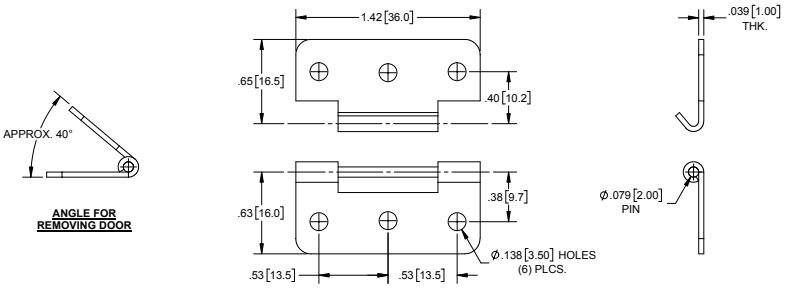
- mounting screw size #4



Brass Take-apart Hinge

Part No.	Material	Finish
H2244N	brass	nickel plated

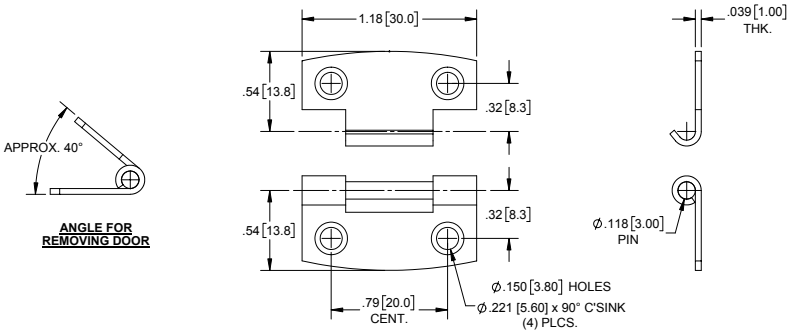
- mounting screw size #5



Brass Take-apart Hinge

Part No.	Material	Finish
H2245N	brass	nickel plated

- mounting screw size #6



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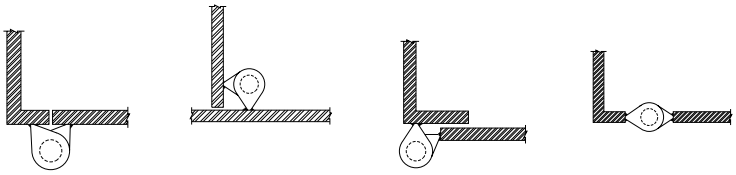
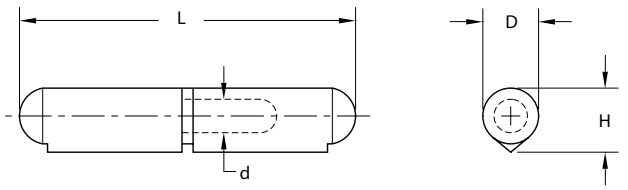
Weld-on Hinges

Steel Body, Fixed Steel Pin, Brass Bushing

Part Number	Length (L)	Body Dia . (D)	Thickness (H)	Pin Dia. (d)
W100	1.57 [40]	.31 [8]	.37 [9.6]	.20 [5]
W110	1.97 [50]	.31 [8]	.37 [9.6]	.20 [5]
W120	2.36 [60]	.39 [10]	.47 [12]	.24 [6]
W130	2.76 [70]	.45 [11.5]	.52 [13.2]	.24 [6]
W140	3.15 [80]	.51 [13]	.61 [15.4]	.31 [8]
W160	3.94 [100]	.63 [16]	.77 [19.5]	.39 [10]
W170	4.72 [120]	.63 [16]	.77 [19.5]	.39 [10]
W180	5.31 [135]	.71 [18]	.90 [22.9]	.50 [13]
W190	5.91 [150]	.79 [20]	.99 [25.2]	.50 [13]
W200	7.09 [180]	.79 [20]	.99 [25.2]	.55 [14]
W210	7.87 [200]	.91 [23]	1.11 [28.3]	.63 [16]
W220	10.24 [260]	1.10 [28]	1.46 [37]	.75 [19]



welding details



- additional brass grease fittings and bushings may be purchased separately

Steel Body, Fixed Brass Pin, Brass Bushing

Part Number	Length (L)	Body Dia. (D)	Thickness (H)	Pin Dia. (d)
W100-01	1.57 [40]	.31 [8]	.37 [9.6]	.20 [5]
W110-01	1.97 [50]	.31 [8]	.37 [9.6]	.20 [5]
W120-01	2.36 [60]	.39 [10]	.47 [12]	.24 [6]
W130-01	2.76 [70]	.45 [11.5]	.52 [13.2]	.24 [6]
W140-01	3.15 [80]	.51 [13]	.61 [15.4]	.31 [8]
W160-01	3.94 [100]	.63 [16]	.77 [19.5]	.39 [10]
W170-01	4.72 [120]	.63 [16]	.77 [19.5]	.39 [10]
W180-01	5.31 [135]	.71 [18]	.90 [22.9]	.50 [13]
W190-01	5.91 [150]	.79 [20]	.99 [25.2]	.50 [13]
W200-01	7.09 [180]	.79 [20]	.99 [25.2]	.55 [14]
W210-01	7.87 [200]	.91 [23]	1.11 [28.3]	.63 [16]
W220-01	10.24 [260]	1.10 [28]	1.46 [37]	.75 [19]

DUE TO TIGHT FIT TOLERANCES, WE DO NOT RECOMMEND SEPARATING PAIRED MALE & FEMALE ASSEMBLIES AS SUPPLIED. SOME MALE BARRELS MAY NOT FIT WITH OTHER FEMALE BARRELS.

Weld-on Hinges with Grease Fitting

Steel Body, Fixed Steel Pin,Brass Bushing, Grease Fitting

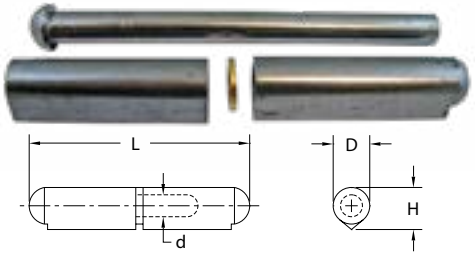
Part Number	Length (L)	Body Dia. (D)	Thickness (H)	Pin Dia. (d)
NEW **W120-02**	2.36 [60]	.39 [10]	.47 [12]	.24 [6]
W140-02	3.15 [80]	.51 [13]	.61 [15.4]	.31 [8]
W160-02	3.94 [100]	.63 [16]	.77 [19.5]	.39 [10]
W170-02	4.72 [120]	.63 [16]	.77 [19.5]	.39 [10]
W190-02	5.91 [150]	.79 [20]	.99 [25.2]	.50 [13]
W200-02	7.09 [180]	.79 [20]	.99 [25.2]	.55 [14]
W210-02	7.87 [200]	.91 [23]	1.11 [28.3]	.63 [16]
W220-02	10.24 [260]	1.10 [28]	1.46 [37]	.75 [19]

Steel Body, Fixed Brass Pin, Brass Bushing, Grease Fitting

Part Number	Length (L)	Body Dia. (D)	Thickness (H)	Pin Dia. (d)
W140-01GF	3.15 [80]	.51 [13]	.61 [15.4]	.31 [8]
W160-01GF	3.94 [100]	.63 [16]	.77 [19.5]	.39 [10]
W170-01GF	4.72 [120]	.63 [16]	.77 [19.5]	.39 [10]
W190-01GF	5.91 [150]	.79 [20]	.99 [25.2]	.47 [12]
W200-01GF	7.09 [180]	.79 [20]	.99 [25.2]	.55 [14]
W210-01GF	7.87 [200]	.91 [23]	1.11 [28.3]	.63 [16]

DUE TO TIGHT FIT TOLERANCES, WE DO NOT RECOMMEND SEPARATING PAIRED MALE & FEMALE ASSEMBLIES AS SUPPLIED. SOME MALE BARRELS MAY NOT FIT WITH OTHER FEMALE BARRELS.

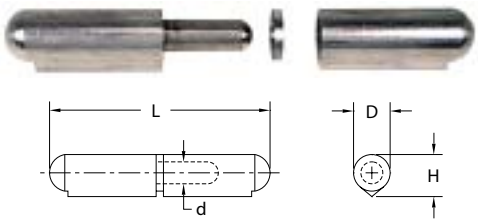
Steel Body, Removable Steel Pin, Brass Bushing



Part Number	Length (L)	Body Dia. (D)	Thickness (H)	Pin Dia. (d)
W110-03	1.97 [50]	.31 [8]	.37 [9.6]	.20 [5]
W140-03	3.15 [80]	.51 [13]	.61 [15.4]	.31 [8]
W160-03	3.94 [100]	.63 [16]	.77 [19.5]	.39 [10]
W190-03	5.91 [150]	.79 [20]	.99 [25.2]	.50 [13]
W210-03	7.87 [200]	.91 [23]	1.11 [28.3]	.63 [16]

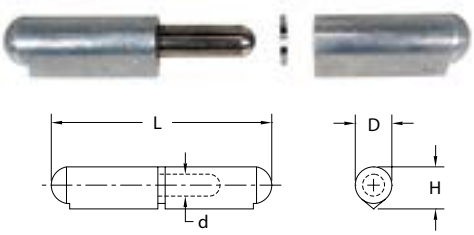
Weld-on Hinges

DUE TO TIGHT FIT TOLERANCES, WE DO NOT RECOMMEND SEPARATING PAIRED MALE & FEMALE ASSEMBLIES AS SUPPLIED. SOME MALE BARRELS MAY NOT FIT WITH OTHER FEMALE BARRELS.



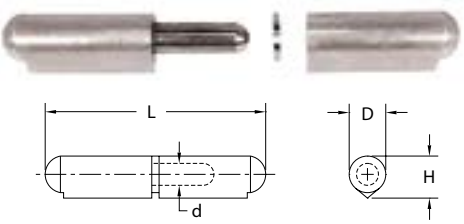
Stainless Steel Body, Fixed Stainless Steel Pin, Stainless Steel Bushing

Part Number	Length (L)	Body Dia. (D)	Thickness (H)	Pin Dia. (d)
W100-10	1.57 [40]	.31 [8]	.37 [9.6]	.20 [5]
W110-10	1.97 [50]	.31 [8]	.37 [9.6]	.20 [5]
W120-10	2.36 [60]	.39 [10]	.47 [12]	.24 [6]
W130-10	2.76 [70]	.45 [11.5]	.52 [13.2]	.24 [6]
W140-10	3.15 [80]	.51 [13]	.61 [15.4]	.31 [8]
W160-10	3.94 [100]	.63 [16]	.77 [19.5]	.39 [10]
W170-10	4.72 [120]	.63 [16]	.77 [19.5]	.39 [10]
W180-10	5.31 [135]	.71 [18]	.90 [22.9]	.50 [13]
W190-10	5.91 [150]	.79 [20]	.99 [25.2]	.50 [13]
W210-10	7.87 [200]	.91 [23]	1.11 [28.3]	.63 [16]



Aluminum Body, Fixed Stainless Steel Pin, Stainless Steel Bushing

Part Number	Length (L)	Body Dia. (D)	Thickness (H)	Pin Dia. (d)
W100-20	1.57 [40]	.31 [8]	.37 [9.6]	.20 [5]
W110-20	1.97 [50]	.31 [8]	.37 [9.6]	.20 [5]
W120-20	2.36 [60]	.39 [10]	.47 [12]	.24 [6]
W130-20	2.76 [70]	.45 [11.5]	.52 [13.2]	.24 [6]
W140-20	3.15 [80]	.51 [13]	.61 [15.4]	.31 [8]
W160-20	3.94 [100]	.63 [16]	.77 [19.5]	.39 [10]
W180-20	5.31 [135]	.71 [18]	.90 [22.9]	.50 [13]
W190-20	5.91 [150]	.79 [20]	.99 [25.2]	.50 [13]
W200-20	7.09 [180]	.79 [20]	.99 [25.2]	.50 [13]
W210-20	7.87 [200]	.91 [23]	1.11 [28.3]	.63 [16]

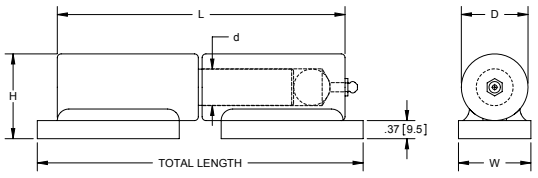


NEW PRODUCT FAMILY 316SS

316SS Body, Fixed 316SS Pin, 316SS Bushing

Part Number	Length (L)	Body Dia. (D)	Thickness (H)	Pin Dia. (d)
W120-30	2.36 [60]	.39 [10]	.47 [12]	.24 [6]
W140-30	3.15 [80]	.51 [13]	.61 [15.4]	.31 [8]
W160-30	3.94 [100]	.63 [16]	.77 [19.5]	.39 [10]
W170-30	4.72 [120]	.63 [16]	.77 [19.5]	.39 [10]

Steel Body, Fixed Steel Pin with Grease Fitting

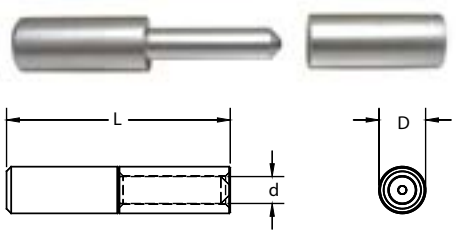


Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)	Height (H)	Width (W)	Total Length
W432	4.09 [103.9]	.98 [24.9]	.63 [16.0]	1.36 [34.5]	1.06 [26.9]	4.92 [125.0]
W432-01	4.09 [103.9]	.98 [24.9]	.63 [16.0]	without weld base		
W431	5.94 [150.9]	1.38 [35.1]	.75 [19.1]	1.75 [44.5]	1.50 [38.10]	6.73 [170.9]
W431-01	5.94 [150.9]	1.38 [35.1]	.75 [19.1]	without weld base		

- finish: clear coated
- includes:
  - 1/4" grease fitting
  - chrome plated hardened steel ball bearing
  - high temperature lithium grease

Stainless Steel Barrel Hinge with Stainless Steel Pin

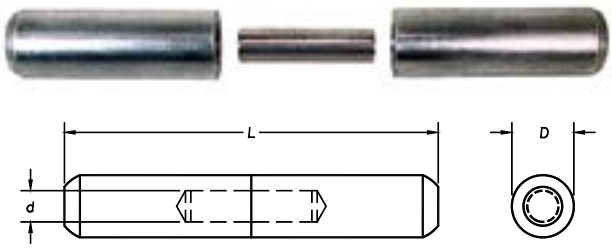
Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)
W420	3.00 [76.2]	.625 [15.9]	.36 [9.1]



Steel Barrel Hinge with Steel Pin

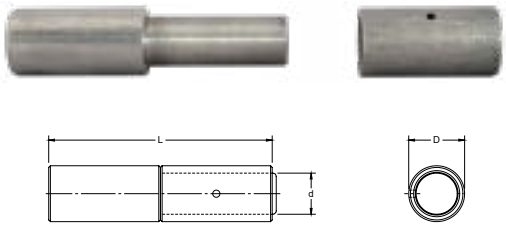
Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)
W405	6.00 [152.4]	1.000 [25.4]	.50 [12.7]

- pin not fixed



Steel Barrel Hinge with Steel Pin

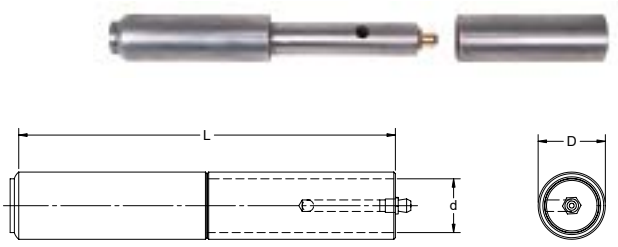
Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)
W426	4.00 [101.6]	1.00 [25.4]	.74 [18.8]



Steel Barrel Hinge with Steel Pin and Grease Fitting

Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)	Grease Fitting Material
W400	4.50 [114.3]	.750 [19.1]	.50 [12.7]	brass
W401	6.50 [165.1]	.750 [19.1]	.50 [12.7]	brass
W425	7.00 [177.8]	1.250 [31.8]	1.00 [25.4]	brass
W430	4.00 [101.6]	1.00 [25.4]	.75 [19.1]	steel

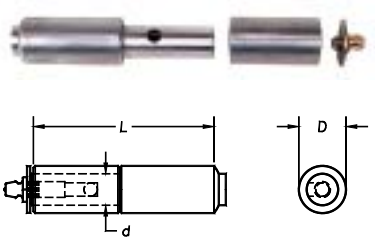
- additional ¼" grease fittings may be purchased separately



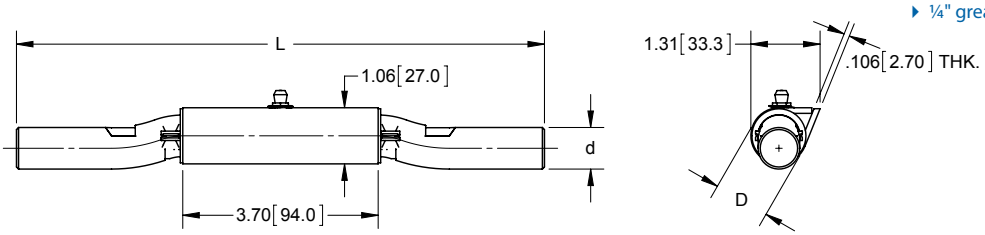
Steel Barrel Hinge with Steel Pin and Accessories

Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)
W400-02	2.88 [73.2]	.750 [19.1]	.50 [12.7]

- ¼" grease fitting
- grease fitting and washer hold hinge together
- additional ¼" grease fittings may be purchased separately



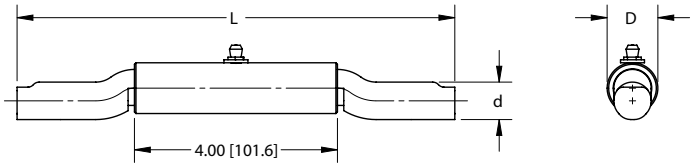
Steel Barrel Hinge with Steel Body and Grease Fitting



Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)
W427	10.00 [254.0]	1.063 [27.00]	.787 [20.00]

- the sheet metal tear-drop housing is specially shaped for easier welding
- ¼" grease fitting

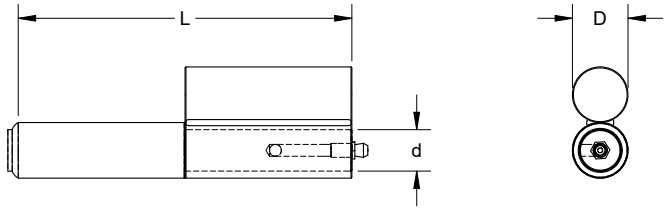
Steel Barrel Hinge with Steel Body and Grease Fitting



Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)
W429	8.63 [219.2]	1.000 [25.40]	.738 [18.75]

- ¼" grease fitting

Steel Barrel Hinge with Grease Fitting and Welded Bar

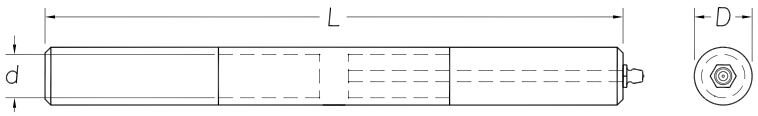


Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)
W422	6.00 [152.4]	1.00 [25.4]	.75 [19.1]

- ¼" grease fitting

Three Piece Barrel Hinge PAT.

patented



Part Number	Length (L)	Body Dia. (D)	Pin Dia. (d)	Material
W412-A01	10.00 [254.0]	.969 [24.61]	.75 [19.1]	aluminum

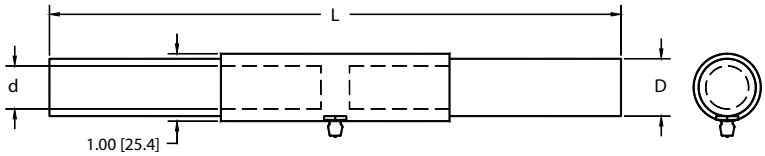
- ¼" grease fitting

PAT. Three Piece Barrel Hinges

Part Number	Material	Length (L)	Body Dia. (D)	Pin Dia. (d)
W412	steel	10.00 [254.0]	.969 [24.61]	.75 [19.0]
W412-A	aluminum	10.00 [254.0]		.75 [19.0]
W413	steel	12.00 [304.8]		.75 [19.0]
W413-A	aluminum	12.00 [304.8]		.69 [17.5]

- ¼" grease fitting in the middle

patented



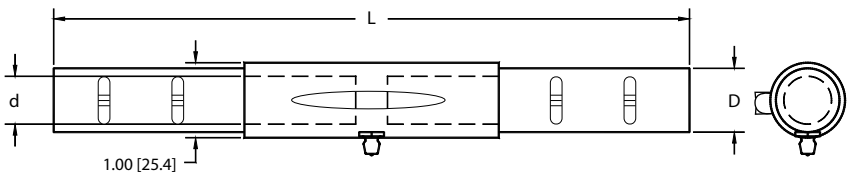
PAT. Barrel Hinges with Weld Guides

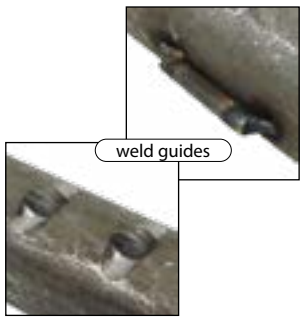
Three Piece Barrel Hinges with Weld Guides

Part Number	Material	Length (L)	Body Dia. (D)	Pin Dia. (d)
W412SK	steel	10.00 [254.0]	.969 [24.6]	.75 [19.1]
W413SK	steel	12.00 [304.8]		

- ¼" grease fitting in the middle
- weld guides assist for positioning and alignment

patented

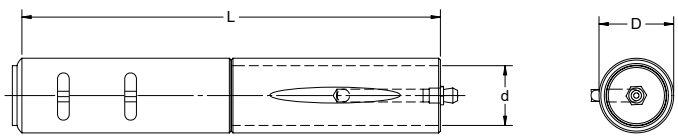




Barrel Hinges with Weld Guides

Part Number	Material	Weld Guides	Length (L)	Body Dia. (D)	Pin Dia. (d)
W430SK	steel	yes	4.00 [101.6]	1.00 [25.4]	.75 [19.1]

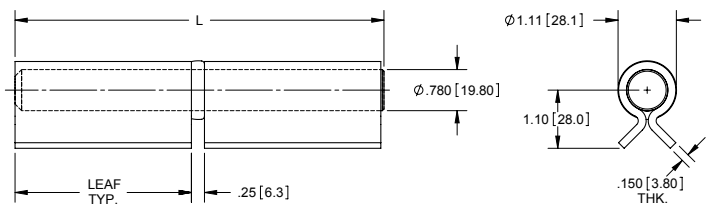
- ¼" grease fitting
- weld guides assist for positioning and alignment
- part no. **W430SK** is also available without weld guides. see part no. **W430** on pg. 311



Winged Barrel Hinge

Part Number	Material	Finish	Length (L)	Leaf
W435	steel	clear coated	7.0 [177.8]	3.35 [85.1]
W436	steel	clear coated	3.5 [88.9]	1.57 [39.9]

- 304SS axial ball bearing



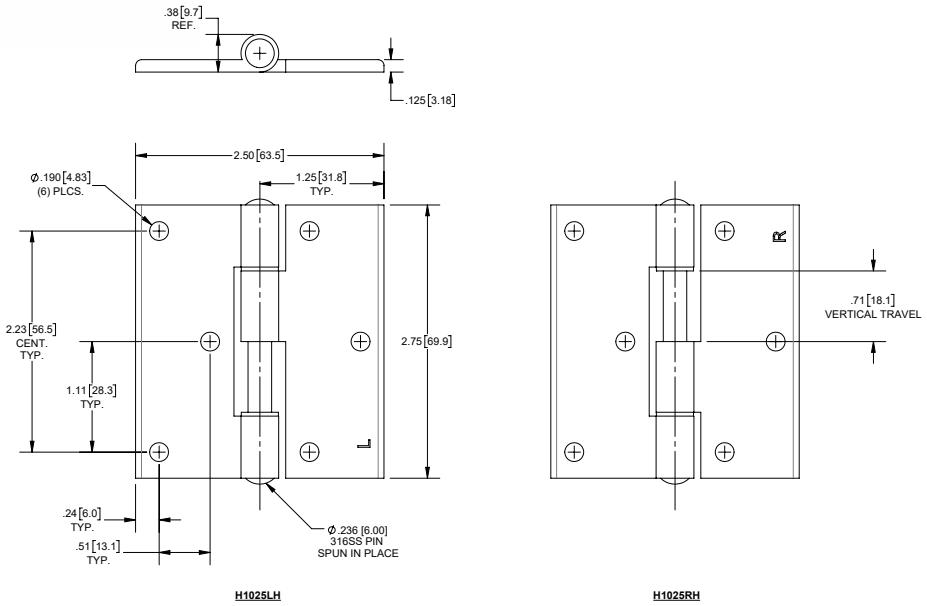
Aluminum Lift Gate Hinges

NEW PRODUCT FAMILY

Part Number	Material	Finish	Description
H1025LH	aluminum	tumbled	left hand
H1025RH	aluminum	tumbled	right hand
H1025LH-01	aluminum	polished	left hand
H1025RH-01	aluminum	polished	right hand

- 316SS pin and nylon washers for smooth operation
- approx. ¾" lift travel which allows for lifting & locking gate into door stop

part no. **H1025RH**



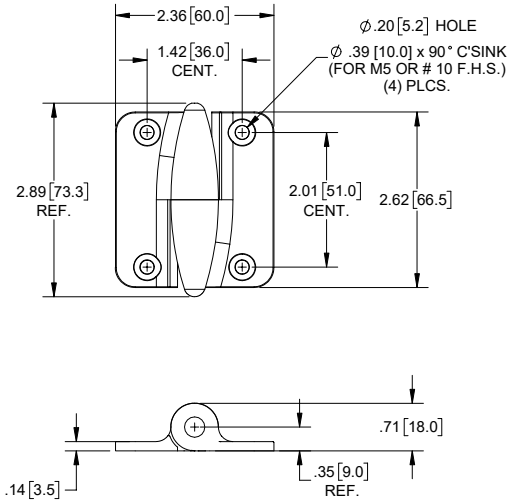
Torpedo Hinges

NEW PRODUCT FAMILY

Part Number	Material	Finish	Description
H2235BK-LH	die cast zinc	black powder coated, smooth	left hand
H2235BK-RH	die cast zinc	black powder coated, smooth	right hand
H2235CH-LH	die cast zinc	chrome plated	left hand
H2235CH-RH	die cast zinc	chrome plated	right hand

- stainless steel pin

part no. **H2235BK-LH**



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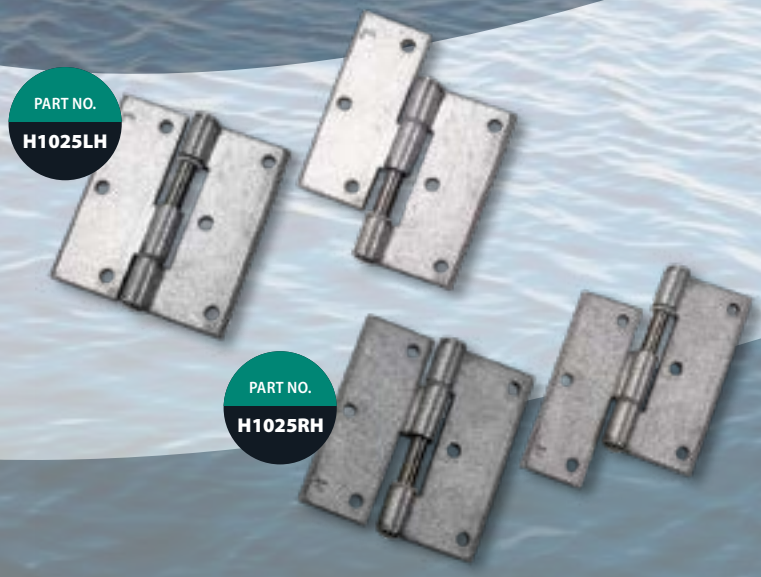
NEW PRODUCT FAMILY

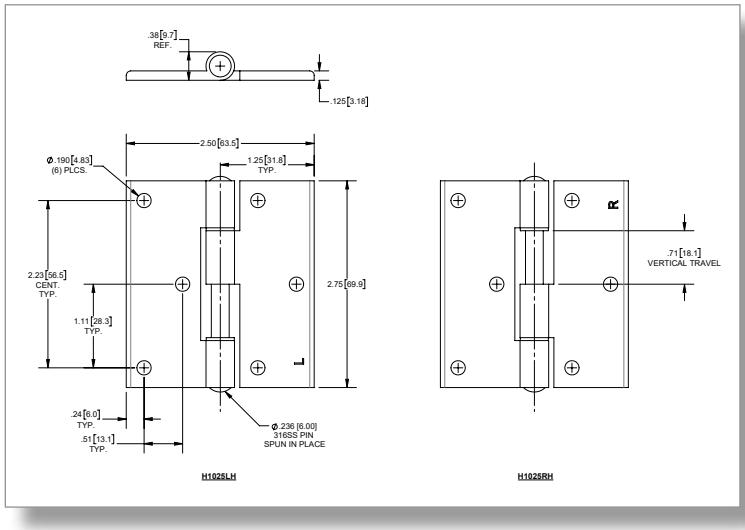
LIFT GATE HINGES



HIGHLIGHTS / FEATURES

- Made with aluminum for maximum corrosion resistance.
- Constructed with 316SS pin and nylon washers for smooth operation.
- Available in Left and Right Hand.
- Hinges provide approx. ¾" lift travel which allows for lifting & locking gate into door stop.

TECHNICAL DETAILS



APPLICATION

Part Number	Material / Finish	Description
H1025LH	aluminum / tumbled	left hand
H1025RH		right hand

Global Headquarters
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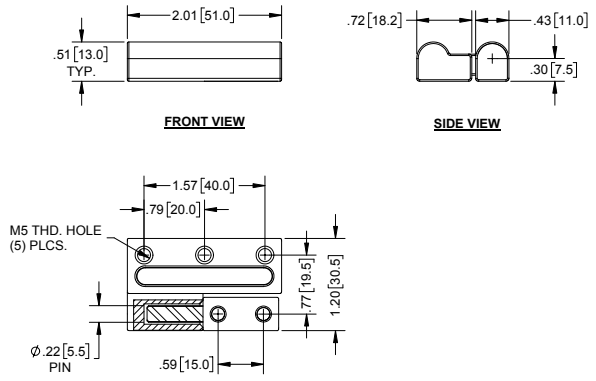
Die Cast Zinc Offset Lift-off Hinge

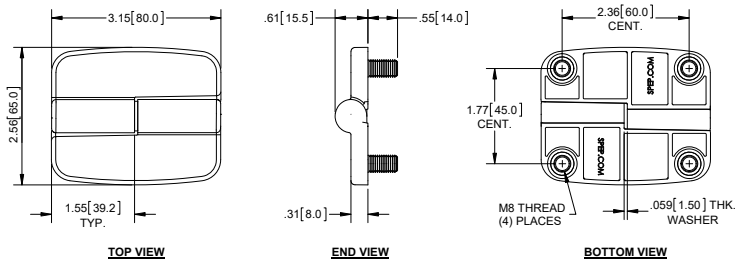


Part No.	Material	Finish
H2273BK	die cast zinc	black powder coated

Die Cast Zinc Lift-off Hinges

Part Number	Description	Material	Finish
ML51LH	left hand	die cast zinc	textured black powder coat
ML51RH	right hand	die cast zinc	textured black powder coat

- 304SS pin, studs and washer



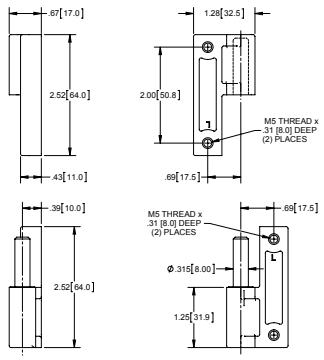
2.50 [63.5] Offset Lift-off Hinges with Threaded Holes or Studs

part number: **ML55LH**
left hand shown

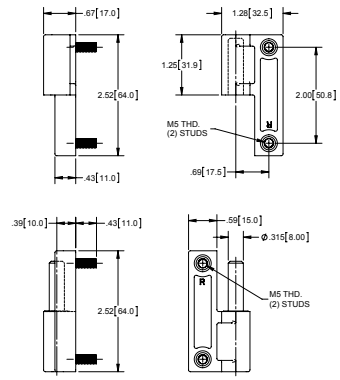
part number: **ML55RH-01**
right hand shown

Part Number	Description	Leaves Material	Leaves Finish	Thread Size
ML55LH	left hand	die cast zinc	matte black powder coat	M5
ML55RH	right hand			
ML55LH-01	left hand	die cast zinc	matte black powder coat	M5 studs
ML55RH-01	right hand			

- 304SS pin and studs



part number: **ML55LH**
left hand shown



part number: **ML55RH-01**
right hand shown

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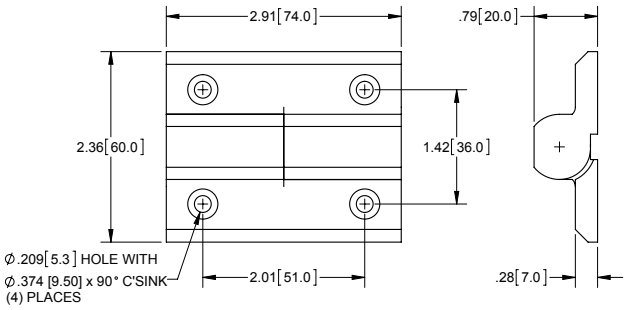
Plastic Lift-off Hinges

Part Number	Description	Material	Finish
ML50LH	left hand	reinforced plastic	black
ML50RH	right hand	reinforced plastic	black

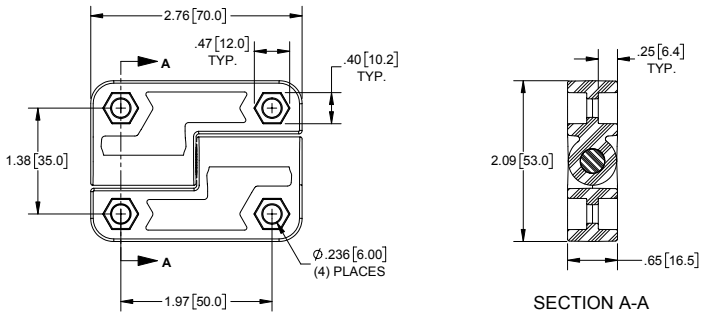
- 304SS pin
- mounting screw size #10



Die Cast Zinc Lift-off Hinge

Part No.	Material	Finish
H2252BK	die cast zinc	matte black

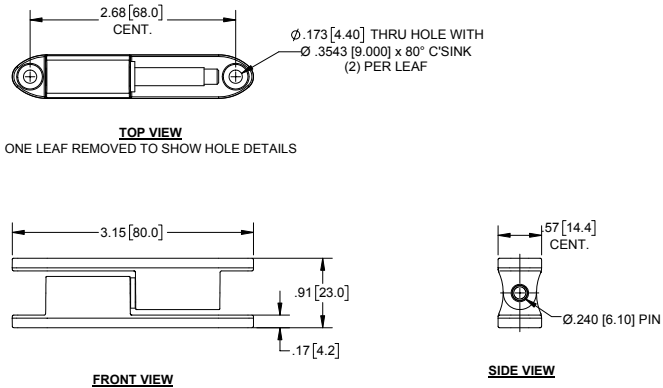
- steel, nickel plated pin
- bi-directional
- can be mounted for left-hand or right-hand operation



Lift-off Hinge

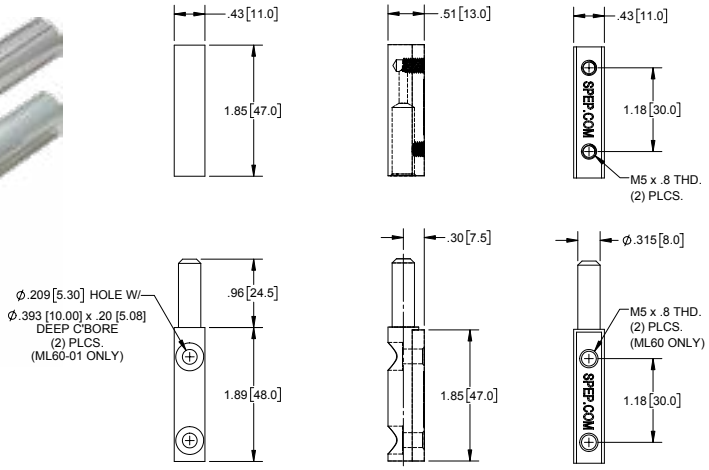
Part No.	Material	Finish
H2278CH	die cast zinc	chrome plated

- steel, nickel plated pin
- brass bushing
- mounting screw size #8



3.74 [95.0] Lift-off Hinges with Covers

ML60-01
front mount

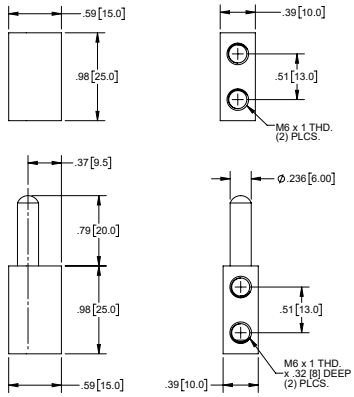


part no. **ML60-01** shown

Part No.	Material	Finish	Holes
ML60	steel	zinc plated	blind mount
ML60-01	steel	zinc plated	front mount

- cover material: 304SS
- cover finish: mirror polished
- only the male leaf has blind or front mount option, female leaf is blind mount only

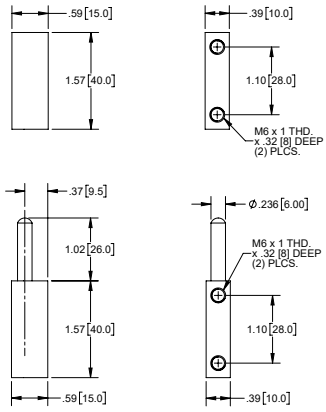
1.96 [49.8] Lift-off Hinge, Solid Brass



Part No.	Material	Finish
ML11CH	solid brass	chrome plated

- includes (4) nickel plated M6x1 mounting screws
- 304SS pin

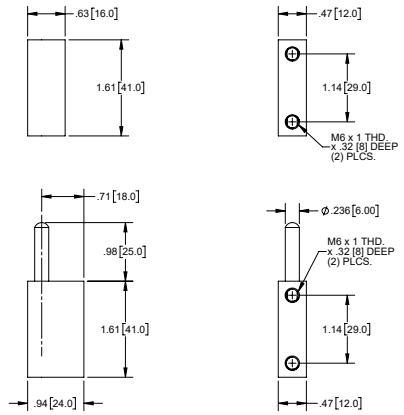
3.15 [80.0] Lift-off Hinge, Solid Brass



Part No.	Material	Finish
ML13CH	solid brass	chrome plated
ML13CH-01*	solid brass	chrome plated

- includes (4) nickel plated M6x1 mounting screws
- 304SS pin
- part no. **MLCH13-01** does **not** include fasteners

3.23 [82.0] Offset Lift-off Hinge, Solid Brass



Part No.	Material	Finish
ML15CH	solid brass	chrome plated

- includes (4) nickel plated M6x1 mounting screws
- 304SS pin

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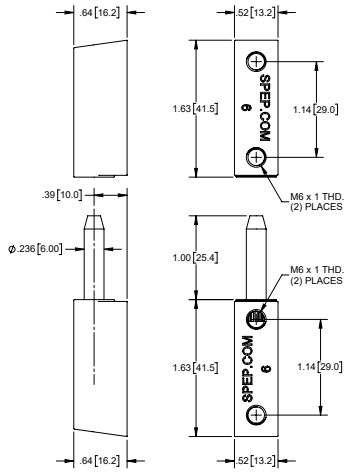
316SS 3.27 [83.0] Lift-off Hinges, Stainless Steel

Part Number	Material	Finish
ML16SS	316SS	mirror polished
ML16SS-01	304SS	mirror polished

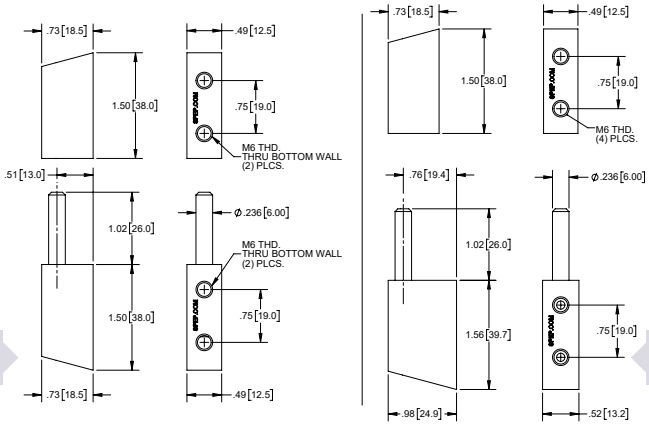
- 316SS pin



316SS 3.00 [76.0] Lift-off Hinges, Stainless Steel

Part Number	Material	Finish
ML17SST-01	316SS	brushed
ML17SST-02*	316SS	brushed

- * male leaf for part no. **ML17SST-02** has a .25[6.4] offset



part number:
ML17SST-01

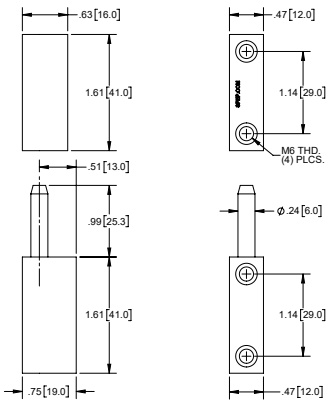
ML17SST-02
male leaf with offset

part number:
ML17SST-02

3.23 [82.0] Offset Lift-off Hinge, Stainless Steel

Part Number	Material	Finish
ML18SS	304SS	mirror polished

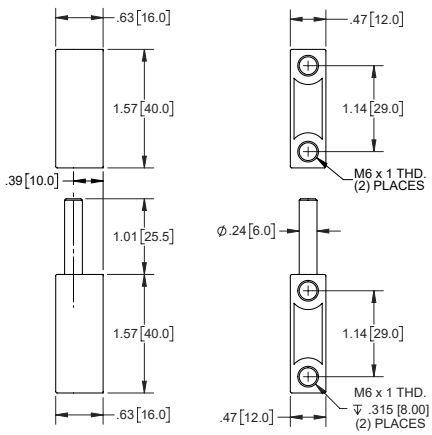
- male leaf has .12 [3.0] offset
- 304SS pin, mill finish



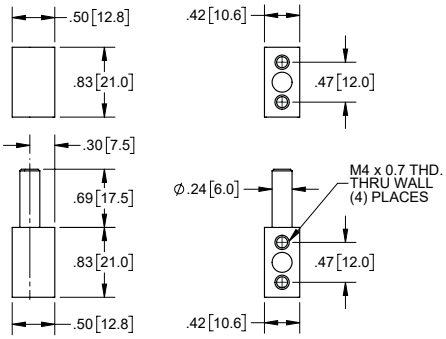
3.15 [80.0] Lift-off Hinge, Die Cast Zinc

Part No.	Material	Finish
ML38	die cast zinc	black powder coated

- steel, nickel plated pin



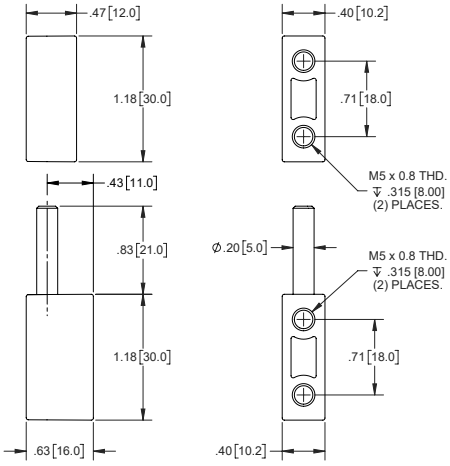
1.65 [42.0] Lift-off Hinge, Die Cast Zinc



Part No.	Material	Finish
ML39	die cast zinc	matte black

- steel, zinc plated pin

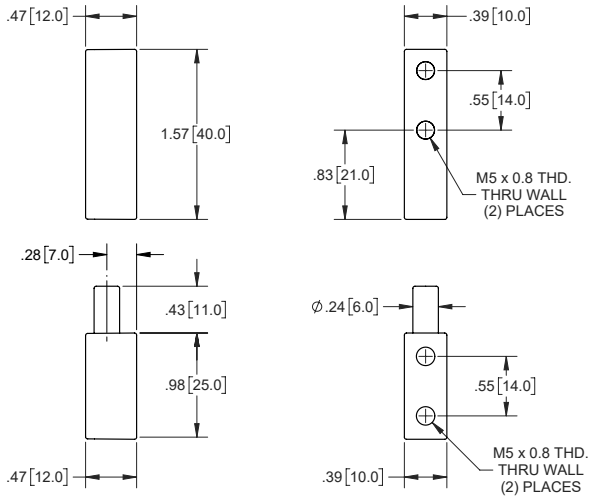
2.36 [60.0] Offset Lift-off Hinge, Die Cast Zinc



Part No.	Material	Finish
ML14CH	die cast zinc	bright chrome plated

- steel, nickel plated pin

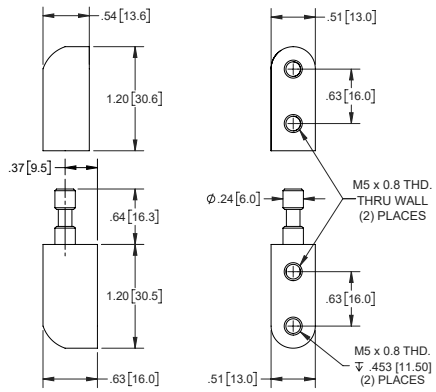
2.56 [65.0] Lift-off Hinge, Die Cast Hinge



Part No.	Material	Finish
ML47CH	die cast zinc	bright chrome plated

- pin & body are one solid piece

2.41 [61.1] Offset Lift-off Hinge, Die Cast Zinc



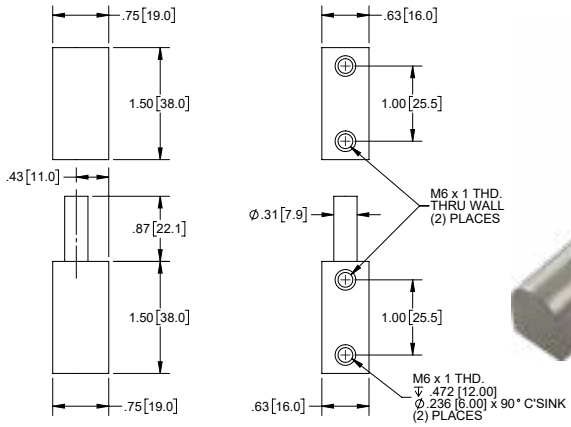
Part No.	Material	Finish
ML48CH	die cast zinc	bright chrome plated

- pin & body are one solid piece

3.00 [76.0] Lift-off Hinge, Stainless Steel

Part No.	Material	Finish
ML49SS	stainless steel	mill

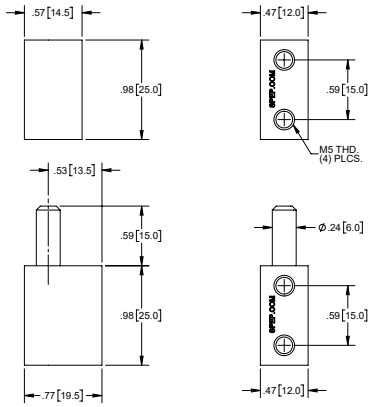
- removable 304SS pin



1.97 [50.0] Offset Lift-off Hinge, Die Cast Zinc

Part Number	Material	Finish
ML19CH	die cast zinc	polished chrome plated

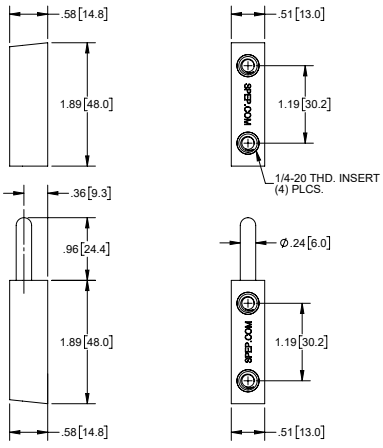
- male leaf has .20 [5.0] offset
- removable 304SS pin



3.78 [96.0] Plastic Lift-off Hinge

Part Number	Material	Finish
ML20P	ABS	black

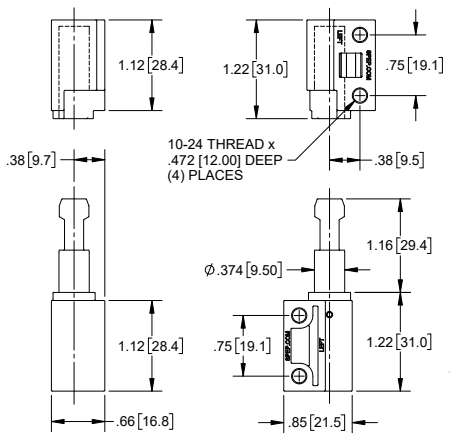
- 304SS pin



2.44 [62.0] Plastic Lift-off Hinges with Clip Retention

Part Number	Description	Material	Finish
ML22P-05	left hand	glass reinforced nylon	black
ML23P-05	right hand	glass reinforced nylon	black

- nylon pin
- includes plastic clip & rubber insert for pin retention to female leaf



left hand
ML22P-05

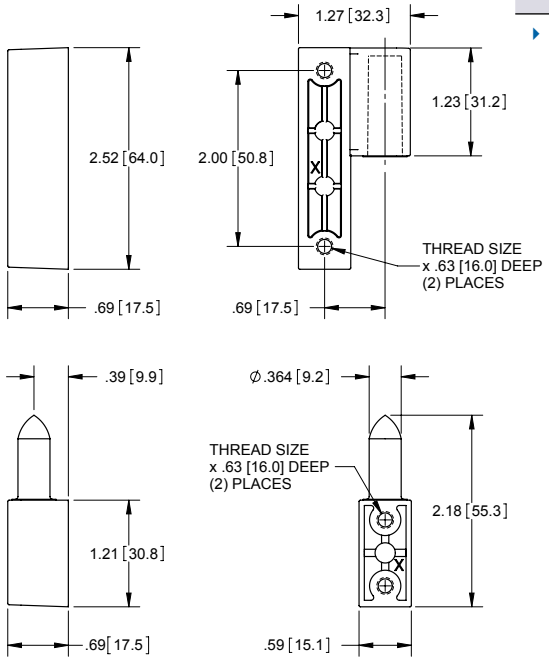
2.50 [63.5] Offset Lift-off Hinges with Threaded Holes

part number: **ML05**
left hand

part number: **ML06**
right hand

Part Number	Description	Material	Finish	Thread Size
ML05	left hand	die cast zinc	matte black powder coat	10-32
ML06	right hand	die cast zinc	matte black powder coat	10-32
ML05-01	left hand	die cast zinc	matte black powder coat	M5
ML06-01	right hand	die cast zinc	matte black powder coat	M5

- includes Delrin washer



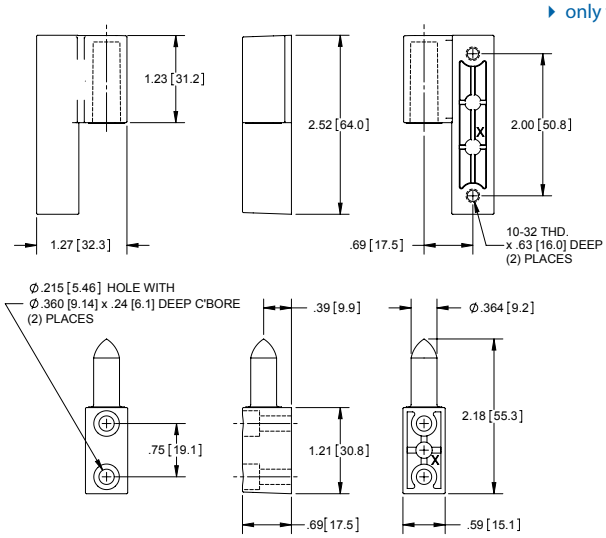
2.50 [63.5] Offset Lift-off Hinges with Through Holes

part number: **ML07**
left hand

part number: **ML08**
right hand

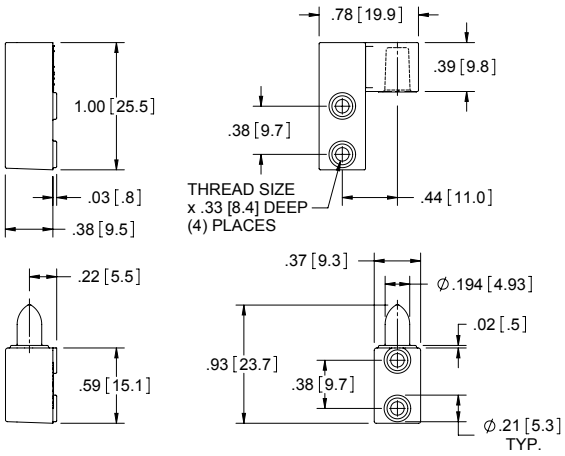
Part Number	Description	Material	Finish
ML07	left hand	die cast zinc	matte black powder coat
ML08	right hand	die cast zinc	matte black powder coat

- includes Delrin washer
- (2) rubber caps (part no. **ML30-C**)
- only female leaf has through holes



Mini 1.00 [25.4] Offset Lift-off Hinges

Part Number	Description	Material	Finish	Thread Size
ML45	left hand	die cast zinc	matte black powder coat	6-32
ML45-01	left hand	die cast zinc	matte black powder coat	M4 x .7
ML46	right hand	die cast zinc	matte black powder coat	6-32
ML46-01	right hand	die cast zinc	matte black powder coat	M4 x .7

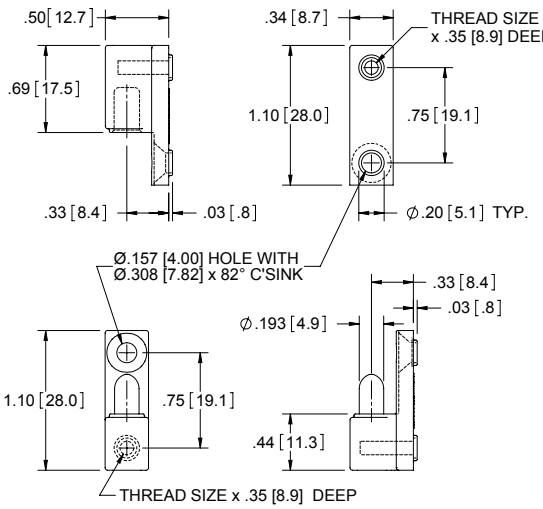


part number: **ML45**
left hand

part number: **ML46**
right hand

Mini 1.13 [28.6] In-Line Lift-off Hinges

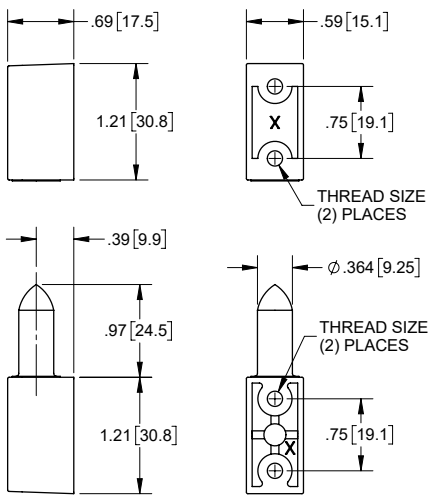
Part Number	Material	Finish	Thread Size
ML42	die cast zinc	matte black powder coat	6-32
ML42-01	die cast zinc	matte black powder coat	M4 x .7



2.50 [63.5] Lift-off Hinges

Part Number	Material	Finish	Thread Size
ML02	die cast zinc	matte black powder coat	10-32
ML02-02	die cast zinc	matte black powder coat	M5
ML02-02SS	304SS	passivated	M5
ML02-03	die cast zinc	matte black powder coat	Ø.172 plain holes

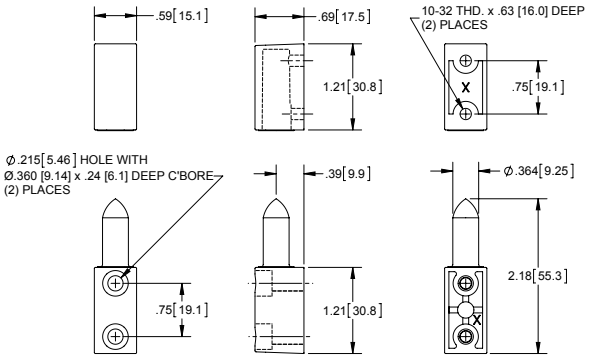
- includes Delrin washer
- **ML02** components may be purchased separately
- gaskets available separately as part no. **ML02G**



2.50 [63.5] Lift-off Hinges with Through Holes

Part Number	Material	Finish	Caps
ML32	die cast zinc	matte black powder coat	yes
ML32-01	die cast zinc	matte black powder coat	no

- includes Delrin washer
- (2) rubber caps (part no. **ML30-C**)
- only female leaf has through holes

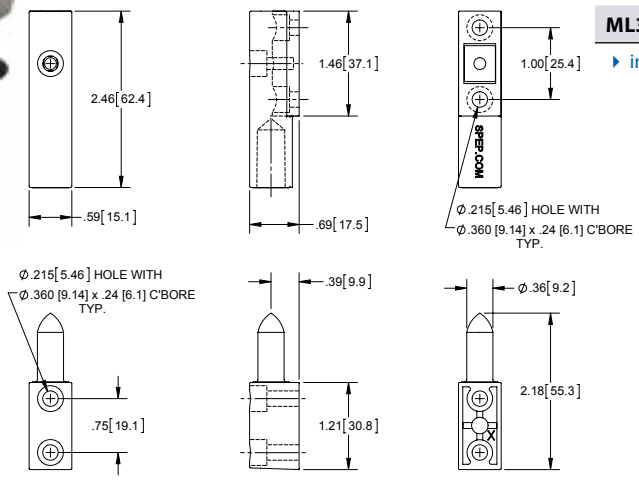


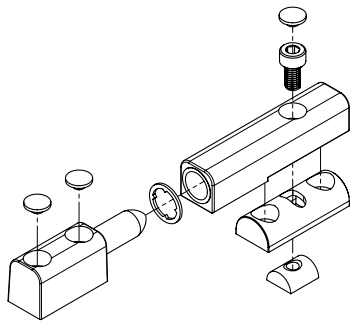
3.72 [94.4] Adjustable In-Line Lift-off Hinges with Caps and Through Holes

316SS

Part Number	Material	Finish
ML35	die cast zinc	matte black powder coat
ML35SST	316SS	brushed

- includes Delrin washer

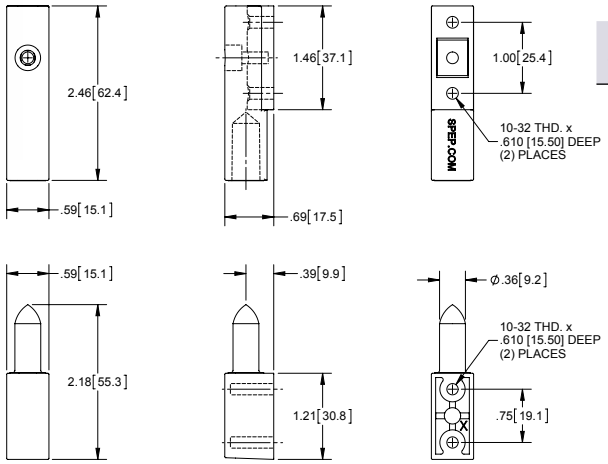


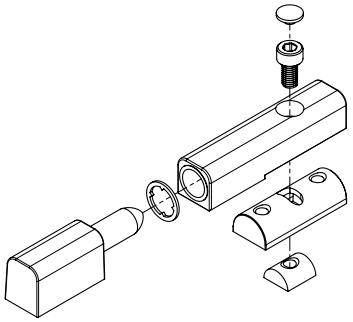


3.72 [94.4] Adjustable In-Line Lift-off Hinges with Threaded Holes

Part Number	Material	Finish	Thread Size
ML36	die cast zinc	matte black powder coat	10-32
ML37	die cast zinc	matte black powder coat	M5

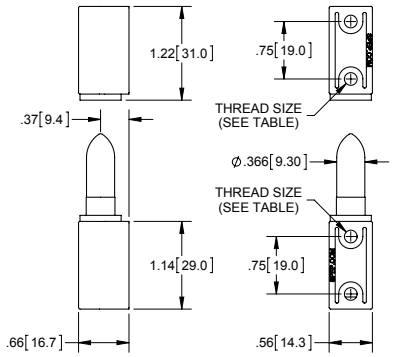
- includes Delrin washer





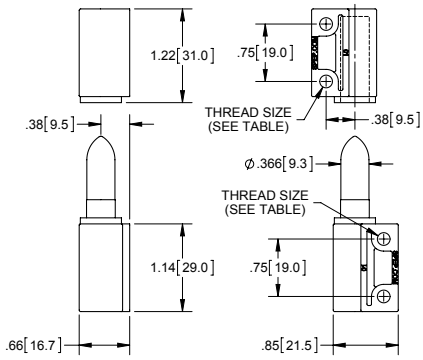
2.44 [62.0] Plastic Lift-off Hinges with Threaded Holes

Part Number	Thread Size	Material	Finish
ML21P	M5	glass reinforced nylon	black
ML21P-01	10-24	glass reinforced nylon	black



2.44 [62.0] Plastic Offset Lift-off Hinges with Threaded Holes

Part Number	Description	Thread Size	Material	Finish
ML22P	left hand	M5	glass reinforced nylon	black
ML23P	right hand	M5	glass reinforced nylon	black
ML22P-01	left hand	10-24	glass reinforced nylon	black
ML23P-01	right hand	10-24	glass reinforced nylon	black

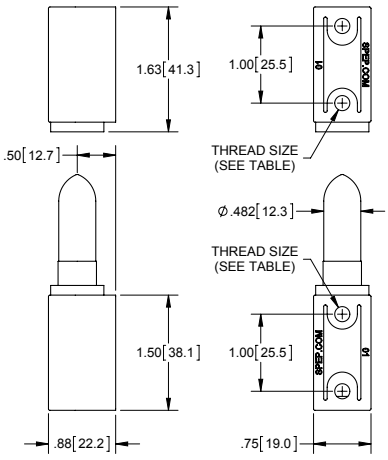


part number: **ML23P**
right hand

part number: **ML22P**
left hand

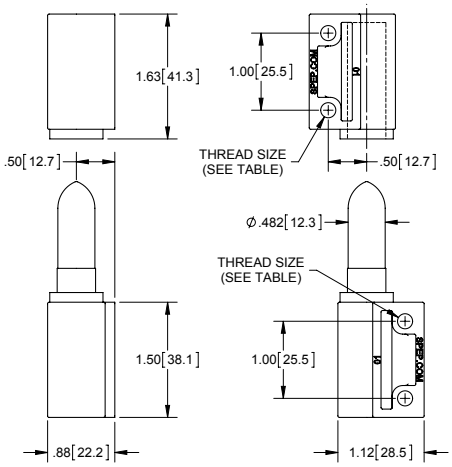
3.25 [82.6] Plastic Lift-off Hinges with Threaded Holes

Part Number	Thread Size	Material	Finish
ML26P	M6	glass reinforced nylon	black
ML26P-01	1/4-20	glass reinforced nylon	black



3.25 [82.6] Plastic Offset Lift-off Hinges with Threaded Holes

Part Number	Description	Thread Size	Material	Finish
ML27P	left hand	M6	glass reinforced nylon	black
ML28P	right hand	M6	glass reinforced nylon	black
ML27P-01	left hand	1/4-20	glass reinforced nylon	black
ML28P-01	right hand	1/4-20	glass reinforced nylon	black



part number: **ML27P**
left hand

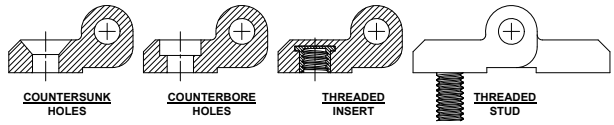
part number: **ML28P**
right hand

Plastic Hinges UV

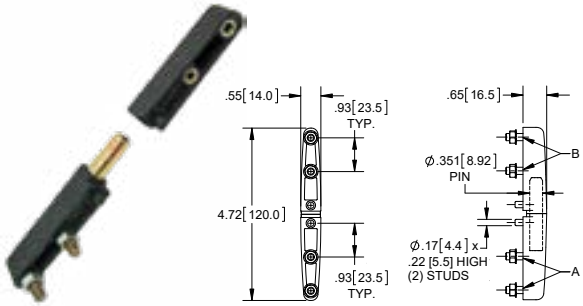
Plastic Hinges Through Page 329

- include 304SS pins unless otherwise specified
- some include threaded studs and/or inserts that are either brass or nickel plated steel
- include UV stabilizers

Fastening Options



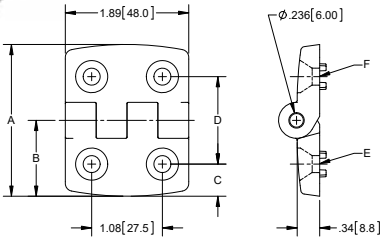
4.72 [120.0] Plastic Lift-off Hinges



Part Number	A	B	Radial Working Load (lb)	Axial Working Load (lb)
H3526P	M5 x .47 [12.0] long threaded studs	M5 x .47 [12.0] long threaded studs	200	110
H3527P	M5 threaded inserts	M5 threaded inserts	200	110
H3528P	M5 threaded inserts	M5 x .47 [12.0] long threaded studs	200	110

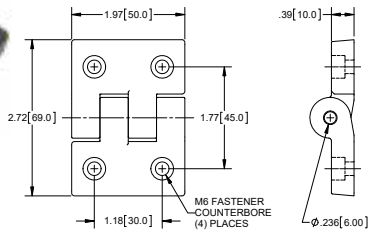
- steel pin with yellow zinc plated finish
- includes mounting screws

Plastic Hinges



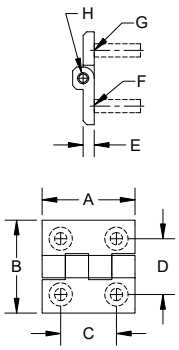
Part Number	A	B	C	D	E	F	Radial Working Load (lb)	Axial Working Load (lb)
H3518P	2.01 [51.0]	1.13 [28.6]	.41 [10.4]	1.14 [29.0]	**M4** fastener countersinks	**M4** fastener countersinks	200	150
H3520P	2.46 [67.5]	1.16 [29.5]	.49 [12.5]	1.57 [40.0]	**M4** fastener countersinks	**M6** fastener countersinks	200	150
H3521P	1.69 [43.0]	.81 [20.6]	.41 [10.4]	.95 [24.0]	**M4** fastener countersinks	**M4** fastener countersinks	200	170
H3522P	2.32 [59.0]	1.16 [29.5	.49 [12.5]	1.34 [34.0]	**M6** fastener countersinks	**M6** fastener countersinks	200	150
H3523P	2.99 [76.0]	1.50 [38.0]	.59 [15.0]	1.81 [46.0]	**M6** fastener countersinks	**M6** fastener countersinks	200	150

Plastic Hinge with Counterbores



Part Number	Radial Working Load (lb)	Axial Working Load (lb)
H3504P	200	120

Plastic Hinges

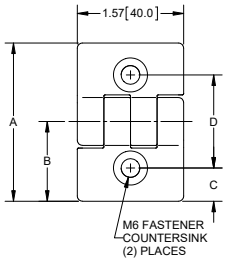


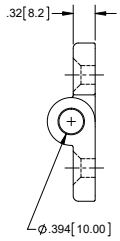
Part Number	A	B	C	D	E	F	G	H	Radial Working Load (lb)	Axial Working Load (lb)
H3500P	.98 [25.0]	.98 [25.0]	.59 [15.0]	.59 [15.0]	.12 [3.0]	**M3** fastener countersinks	**M3** fastener countersinks	Ø.118 [3.00]	50	40
H3501P	.98 [25.0]	1.18 [30.0]	.59 [15.0]	.71 [18.0]	.12 [3.0]	**M4** fastener countersinks	**M4** fastener countersinks	Ø.118 [3.00]	50	35
H3502P	1.58 [40.0]	1.58 [40.0]	.98 [25.0]	.98 [25.0]	.20 [5.0]	**M5** fastener countersinks	**M5** fastener countersinks	Ø.157 [4.00]	120	70
H3503P	1.97 [50.0]	1.97 [50.0]	1.18 [30.0]	1.18 [30.0]	.24 [6.0]	**M6** fastener countersinks	**M6** fastener countersinks	Ø.236 [6.00]	150	90
H3503P-01	1.97 [50.0]	1.97 [50.0]	1.18 [30.0]	1.18 [30.0]	.24 [6.0]	**M6** x .59 [15.0] long threaded studs	**M6** x .59 [15.0] long threaded studs	Ø.236 [6.00]	150	100

Plastic Hinges

Part Number	A	B	C	D	Radial Working Load (lb)	Axial Working Load (lb)
H3512P	2.34 [59.5]	1.18 [30.0]	.49 [12.5]	1.38 [35.0]	150	80
H3513P	2.58 [65.5]	1.16 [29.5]	.49 [12.5]	1.57 [40.0]	150	65
H3514P	2.95 [75.0]	1.26 [32.0]	.51 [13.0]	1.69 [43.0]	150	60
H3515P	2.83 [72.0]	1.42 [36.0]	.51 [13.0]	1.81 [46.0]	150	65
H3516P	3.54 [90.0]	1.77 [45.0]	.78 [19.7]	1.99 [50.6]	150	60
H3517P	3.19 [81.0]	1.42 [36.0]	.51 [13.0]	1.89 [48.0]	150	60

refer to page 326 for material information

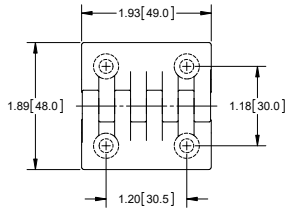


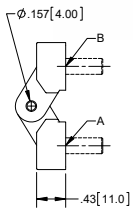


Plastic Hinges

Part Number	A	B	Radial Working Load (lb)	Axial Working Load (lb)
H3511P	**M5** fastener counterbores	**M5** fastener counterbores	250	150
H3511P-01	**M6** x .55 [14.0] long threaded studs	**M6** x .55 [14.0] long threaded studs	250	150
H3511P-02	**M6** threaded inserts	**M6** x .55 [14.0] long threaded studs	250	150
H3511P-03	**M5** fastener counterbores	**M6** x .55 [14.0] long threaded studs	250	150
H3511P-04	**M5** fastener counterbores	**M6** threaded inserts	250	150
H3511P-05	**M6** threaded inserts	**M6** threaded inserts	250	150

refer to page 326 for material information

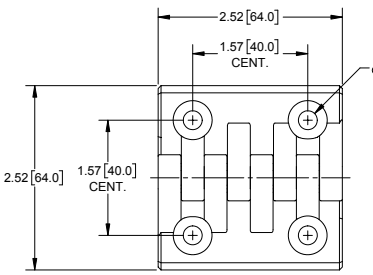


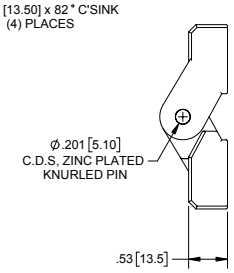


Hinge

Part No.	Material	Finish
H3539P	plastic	matte black

refer to page 326 for material information

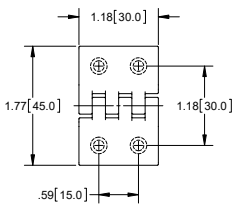


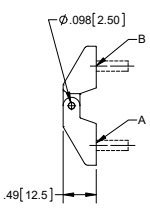


Plastic Beveled Hinges

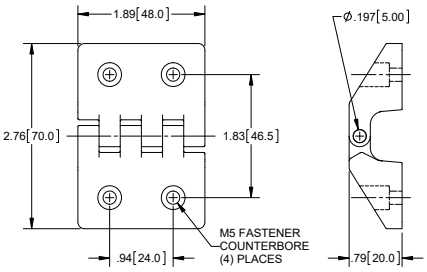
Part Number	A	B	Radial Working Load (lb)	Axial Working Load (lb)
H3506P	**M4** fastener counterbores	**M4** fastener counterbores	100	100
H3506P-01	**M4** x .47 [12.0] long threaded studs	**M4** x .47 [12.0] long threaded studs	100	100
H3506P-03	**M4** fastener counterbores	**M4** x .47 [12.0] long threaded studs	100	100
H3506P-05	**M4** threaded inserts	**M4** threaded inserts	100	100

refer to page 326 for material information





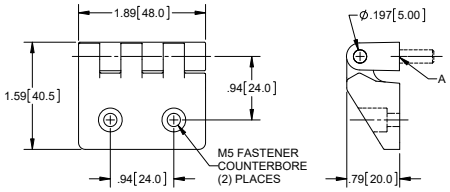
Plastic Beveled Hinge with Counterbores



Part Number	Radial Working Load (lb)	Axial Working Load (lb)
H3507P	200	100

refer to page 326 for material information

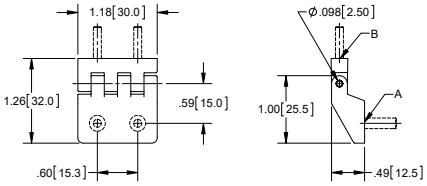
Plastic Partial Beveled Hinges



Part Number	A	Radial Working Load (lb)	Axial Working Load (lb)
H3508P-03	**M5** x .51 [13.0] long threaded studs	200	100
H3508P-04	**M5** fastener inserts	200	100

refer to page 326 for material information

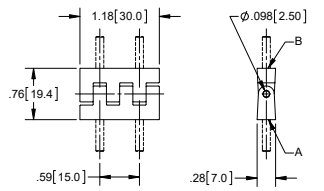
Plastic Partial Beveled Hinges



Part Number	A	B	Radial Working Load (lb)	Axial Working Load (lb)
H3505P-01	**M4** x .47 [12.0] long threaded studs	**M3** x .47 [12.0] long threaded studs	100	100
H3505P-02	**M4** threaded inserts	**M3** x .47 [12.0] long threaded studs	100	100
H3505P-03	**M4** fastener counterbores	**M3** x .47 [12.0] long threaded studs	100	100
H3505P-04	**M4** fastener counterbores	**M3** threaded inserts	100	100
H3505P-05	**M4** threaded inserts	**M3** threaded inserts	100	100

refer to page 326 for material information

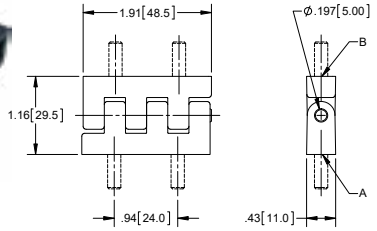
Plastic 90° Angle Hinges



Part Number	A	B	Radial Working Load (lb)	Axial Working Load (lb)
H3509P-01	**M3** x .47 [12.0] long threaded studs	**M3** x .47 [12.0] long threaded studs	100	100
H3509P-02	**M3** fastener inserts	**M3** x .47 [12.0] long threaded studs	100	100
H3509P-05	**M3** fastener inserts	**M3** fastener inserts	100	100

refer to page 326 for material information

Plastic 90° Angle Hinges



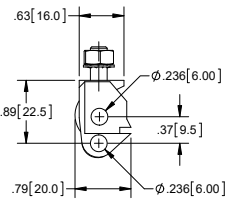
Part Number	A	B	Radial Working Load (lb)	Axial Working Load (lb)
H3510P-01	**M5** x .51 [13.0] long threaded studs	**M5** x .51 [13.0] long threaded studs	200	200
H3510P-02	**M5** threaded inserts	**M5** x .51 [13.0] long threaded studs	200	200
H3510P-05	**M5** threaded inserts	**M5** threaded inserts	200	200

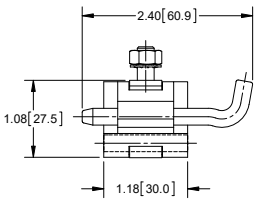
refer to page 326 for material information

Plastic Take-apart Hinge

Part Number	Radial Working Load (lb)	Axial Working Load (lb)	Pin Material and Finish
H3530P	150	25	steel w/ yellow zinc plated finish

refer to page 326 for material information

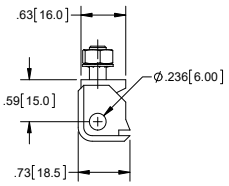


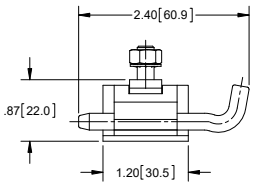


Plastic Take-apart Hinge

Part Number	Radial Working Load (lb)	Axial Working Load (lb)	Pin Material and Finish
H3531P	120	150	steel w/ yellow zinc plated finish

refer to page 326 for material information

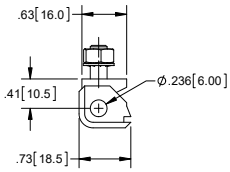


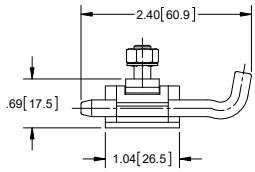


Plastic Take-apart Hinge

Part Number	Radial Working Load (lb)	Axial Working Load (lb)	Pin Material and Finish
H3532P	120	150	steel w/ yellow zinc plated finish

refer to page 326 for material information

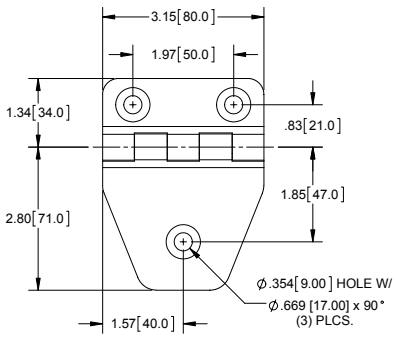


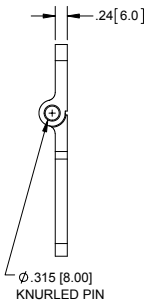


Plastic Hinge with Countersunk Holes

Part Number	Material	Finish	Pin
H2229P	plastic	black	steel, zinc plated

refer to page 326 for material information
mounting screw size M8

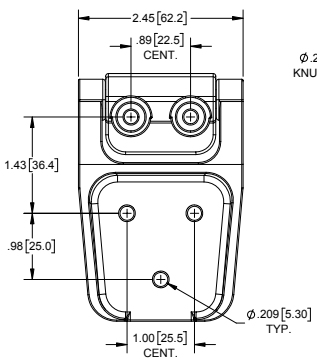


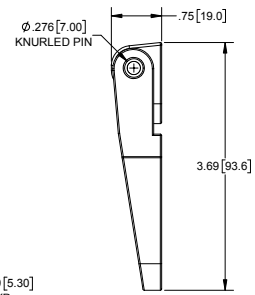


Plastic Hinge with Plain Holes

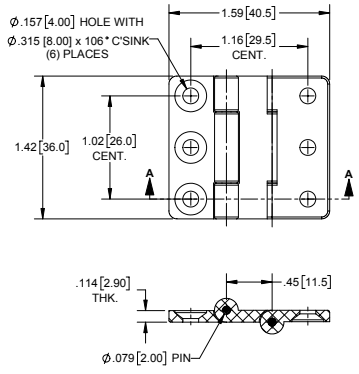
Part Number	Material	Finish	Pin
H2230P	glass reinforced plastic	black textured	steel, zinc plated

refer to page 326 for material information





Plastic Hinge with Double Pin Construction

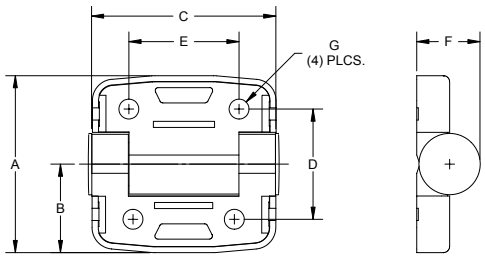


SECTION A-A

Part Number	Material	Finish
H2284WTP	plastic	white

- steel, zinc plated pins
- double hinged

Plastic Hinges with Screw Covers



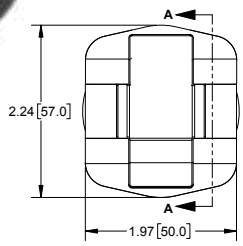
BOTTOM VIEW

END VIEW

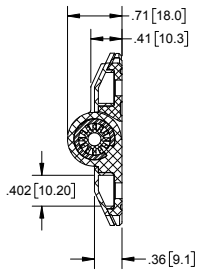
Part No.	A	B	C	D	E	F	G
H2232P-01	2.28 [58.0]	1.14 [29.0]	2.36 [60.0]	1.42 [36.0]	1.42 [36.0]	.82 [20.8]	Ø .256 [6.50]
H2232P-02	1.61 [41.0]	.81 [20.5]	1.69 [43.0]	.98 [25.0]	.95 [24.0]	.57 [14.5]	Ø .177 [4.50]

- material: plastic
- finish: black

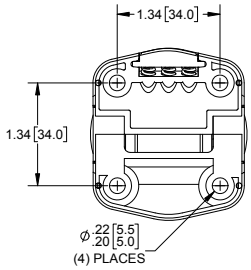
Plastic Door Positioning Hinge



TOP VIEW



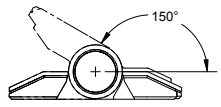
SECTION A-A



REAR VIEW

Part Number	Material	Finish	Pin
H2231P	plastic	black, textured	steel, zinc plated

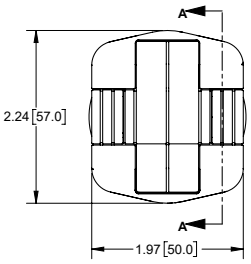
- holds door open at 150° and 180°



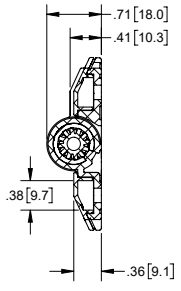
OPERATING ANGLE

Black Plastic Detent Hinges

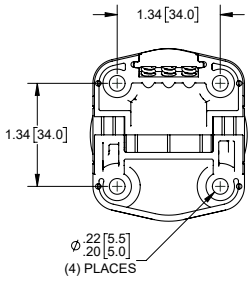
NEW PRODUCT FAMILY



TOP VIEW



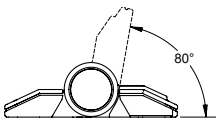
SECTION A-A



REAR VIEW

Part Number	Material	Finish	Positioning Torque
H2231P-01	plastic	black, textured	(6) IN-LBF
H2231P-02			(10) IN-LBF
H2231P-03			(15) IN-LBF

- holds door open at 80° and 180°

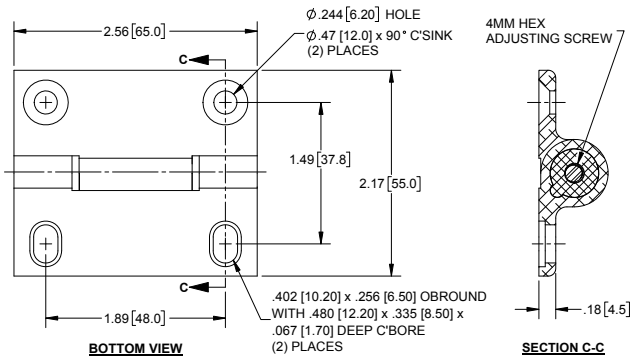


OPERATING ARC

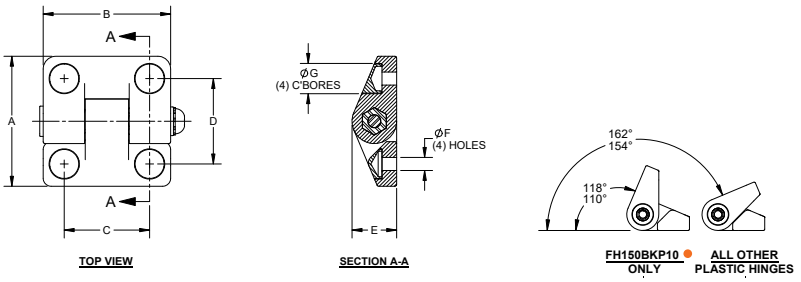
Aluminum Adjustable Friction Hinge

Part Number	Material	Finish
H2217	aluminum	brushed

- 304SS adjusting screw



PAT. Plastic Adjustable Friction Hinges



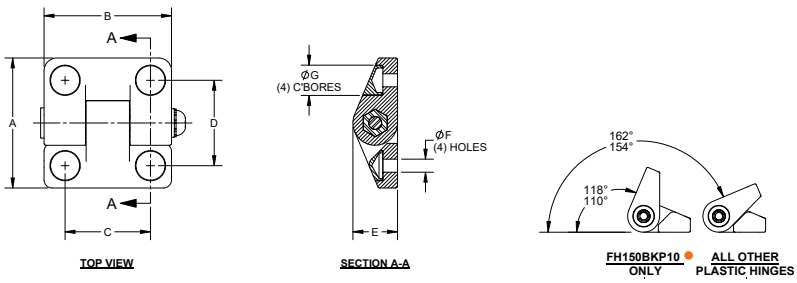
Patented

Part Number	Color	Dimensions							Max Prevailing Torque	Radial Tensile Load Strength	Axial Load Strength	Recommended Screw Size
		A	B	C	D	E	F	G				
FH100BKP	black	1.45 [36.8]	1.78 [45.2]	1.25 [31.8]	1.00 [25.4]	.52 [13.2]	Ø.167 [4.24]	Ø.365 [9.27]	7 in lb.	working 100 lb. ultimate 400 lb.	working 80 lb. ultimate 200 lb.	#8 round head screw
FH100WTP	white											
FH150BKP	black	2.04 [51.8]	2.00 [50.8]	1.34 [34.0]	1.34 [34.0]	.70 [17.8]	Ø.205 [5.21]	Ø.475 [12.07]	25 in lb.	working 100 lb. ultimate 575 lb.	working 100 lb. ultimate 400 lb.	#10 round or pan head screw
FH150WTP	white											
FH150BKP10 ●	black											
FH200BKP	black	2.255 [57.2]	2.70 [68.6]	1.88 [47.8]	1.50 [38.1]	.78 [19.8]	Ø.265 [6.73]	Ø.575 [14.61]	35 in lb.	working 150 lb. ultimate 700 lb.	working 120 lb. ultimate 450 lb.	1/4" round or pan head screw
FH200WTP	white											

- plastic leaves with 300 series stainless steel components
- hinge tension can be set by adjusting screw
- finish: lightly textured matte finish

● based on a 180° flat surface installation, part number **FH150BKP10** has an operating angle rotation of 110°/118°. All other hinges are 154°/162°.

PAT. Non-Friction Plastic Hinges



Patented

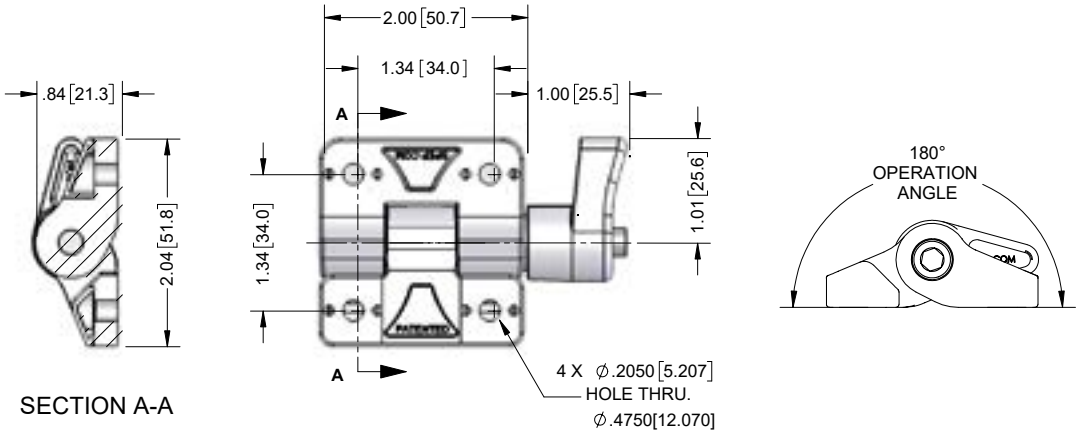
Part Number	Color	Dimensions							Radial Tensile Load Strength	Axial Load Strength	Recommended Screw Size
		A	B	C	D	E	F	G			
H1100BK	black	1.45 [36.8]	1.78 [45.2]	1.25 [31.8]	1.00 [25.4]	.52 [13.2]	Ø.167 [4.24]	Ø.365 [9.27]	working 100 lb. ultimate 400 lb.	working 80 lb. ultimate 200 lb.	#8 round head screw
H1100WT	white										

- plastic leaves with 300 series stainless steel components
- finish: lightly textured matte finish

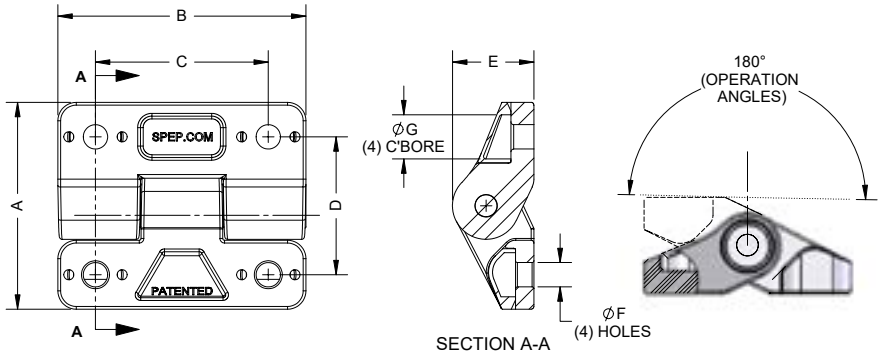
Medium Friction Hinges with Lever

Part Number	Finish	Radial Tensile Load Strength	Axial Load Strength
FH151BKPL	black	working 100 lbs. ultimate 575 lb.	working 100 lbs. ultimate 400 lbs.
FH151WTPL	white		

- plastic leaves with 300 series stainless steel components
- hinge tension can be set by adjusting screw
- finish: lightly textured matte finish



Non-Friction Plastic Hinges



Part Number	Finish	Dimensions							Radial Load Strength	Axial Load Strength	Recommended Screw Size
		A	B	C	D	E	F	G			
H1151BK	black	2.04 [51.8]	2.00 [50.7]	1.34 [34.0]	1.34 [34.0]	0.81 [20.6]	Ø 0.250 [5.21]	Ø 0.475 [12.07]	working 100 lbs. ultimate 575 lbs.	working 100 lbs. ultimate 400 lbs.	#10 round or pan head screw
H1151WT‡	white										
H1200BK	black	2.25 [57.2]	2.700 [68.6]	1.88 [47.8]	1.50 [38.1]	0.89 [22.5]	Ø 0.265 [6.73]	Ø 0.575 [14.61]	working 150 lbs. ultimate 700 lbs.	working 120 lbs. ultimate 450 lbs.	1/4" round or pan head screw
H1200WT‡	white										

- plastic leaves with 300 series stainless steel components
- hinge tension can be set by adjusting screw
- finish: lightly textured matte finish

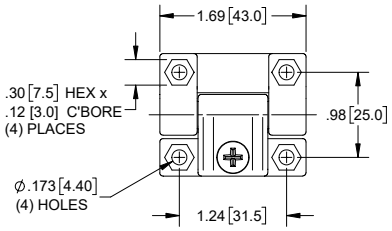
‡ these hinges are non-stock

Download 3D MODELS @ www.spep.com

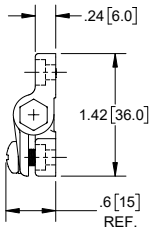
Plastic Adjustable Friction Hinges

Part Number	Material	Finish	Holes
FH100BKP50	plastic	matte black	hex
NEW **FH100BKP55**	plastic	matte black	round

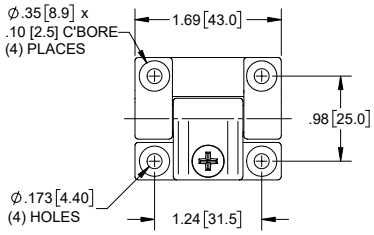
- tornillo de ajuste: 304SS con acabado negro
- tuerca de ajuste: 304SS con acabado pasivado



FH100BKP50



part number: **FH100BKP50**

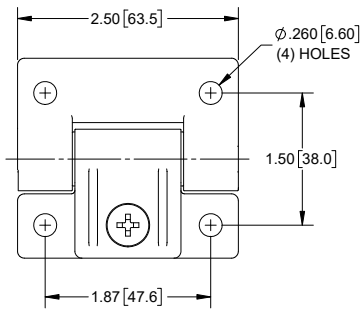


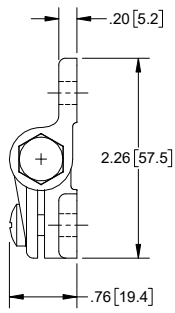
FH100BKP55

part number: **FH100BKP55**

Part Number	Material	Finish
FH200BKP50	plastic	matte black

- adjustment screw and nut: 304SS with mill finish



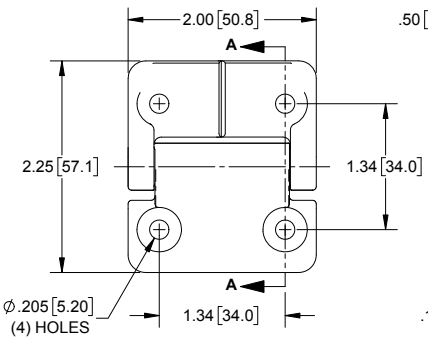


Large Constant Torque Hinges

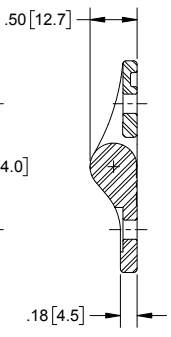
Features	
material: die cast zinc	radial working load: 35 lbs.
life cycle: 25,000 cycles within ±20% of torque specification	radial ultimate load: 675 lbs.
mill finish parts are non-stock	axial working load: 35 lbs.
cannot apply finishes that require curing/baking on mill finish parts	axial ultimate load: 360 lbs.
	operating tempature range: -4°F - 150°F (-20°C - 65°C)

Symmetric Torque with Plain Holes

Finish		Torque in - LBF[Nm]
Mill	Black	
CT501	**CT501BK**	0.0 [0.0]
CT502	**CT502BK**	8.0 [0.9]
CT503	**CT503BK**	15.9 [1.8]
CT504	**CT504BK**	20.4 [2.3]
CT505	**CT505BK**	30.1 [3.4]



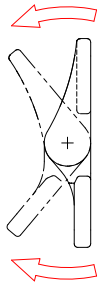
TOP VIEW



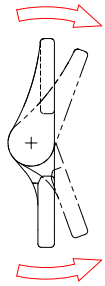
SECTION A-A

Asymmetric Torque with Plain Holes

Finish		Closing Torque in - LBF[Nm]	Opening Torque in - LBF[Nm]
Mill	Black		
CT510	**CT510BK**	20.4 [2.3]	12.4 [1.4]
CT520	**CT520BK**	30.1 [3.4]	17.7 [2.0]
CT530	**CT530BK**	39.8 [4.5]	23.9 [2.7]
CT540	**CT540BK**	12.4 [1.4]	20.4 [2.3]
CT550	**CT550BK**	17.7 [2.0]	30.1 [3.4]
CT560	**CT560BK**	23.9 [2.7]	39.8 [4.5]



CLOSING ROTATION

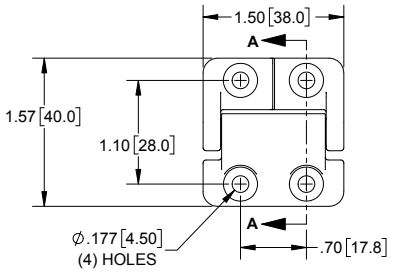


OPENING ROTATION

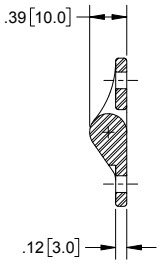
no need for any adjustment

Medium Constant Torque Hinges

Features	
material: die cast zinc	radial working load: 35 lbs.
life cycle: 25,000 cycles within ±20% of torque specification	radial ultimate load: 675 lbs.
mill finish parts are non-stock	axial working load: 35 lbs.
cannot apply finishes that require curing/baking on mill finish parts	axial ultimate load: 360 lbs.
	operating tempature range: -4°F - 150°F (-20°C - 65°C)



TOP VIEW



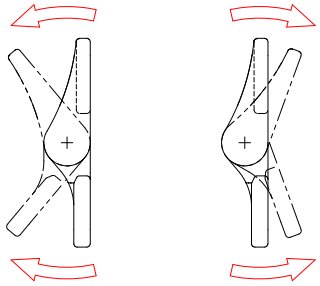
SECTION A-A

Symmetric Torque with Plain Holes

Finish		Torque in - LBF[Nm]
Mill	Black	
CT001	CT001BK	0.0 [0.0]
CT002	CT002BK	8.0 [0.9]
CT003	CT003BK	12.4 [1.4]
CT004	CT004BK	15.9 [1.8]
CT005	CT005BK	20.4 [2.3]
CT006	CT006BK	23.9 [2.7]

Asymmetric Torque with Plain Holes

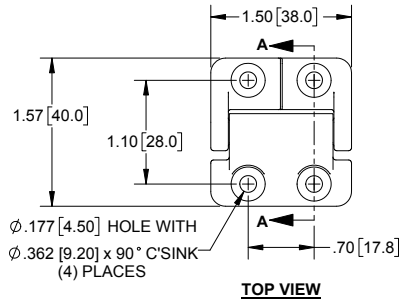
no need for any adjustment



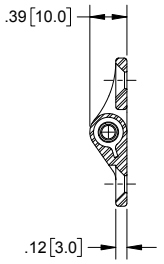
CLOSING ROTATION

OPENING ROTATION

Finish		Closing Torque in - LBF[Nm]	Opening Torque in - LBF[Nm]
Mill	Black		
CT010	CT010BK	12.4 [1.4]	7.1 [0.8]
CT020	CT020BK	15.9 [1.8]	9.7 [1.1]
CT030	CT030BK	20.4 [2.3]	12.4 [1.4]
CT040	CT040BK	23.9 [2.7]	14.2 [1.6]
CT050	CT050BK	30.1 [3.4]	17.7 [2.0]
CT060	CT060BK	7.1 [0.8]	12.4 [1.4]
CT070	CT070BK	9.7 [1.1]	15.9 [1.8]
CT080	CT080BK	12.4 [1.4]	20.4 [2.3]
CT090	CT090BK	14.2 [1.6]	23.9 [2.7]
CT095	CT095BK	17.7 [2.0]	30.1 [3.4]



TOP VIEW



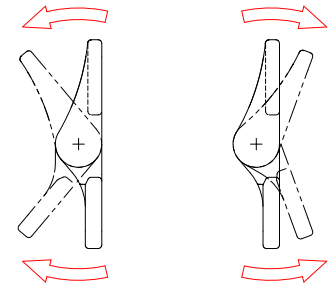
SECTION A-A

Symmetric Torque with Countersunk Holes

Finish		Torque in - LBF[Nm]
Mill	Black	
CT101	CT101BK	0.0 [0.0]
CT102	CT102BK	8.0 [0.9]
CT103	CT103BK	12.4 [1.4]
CT104	CT104BK	15.9 [1.8]
CT105	CT105BK	20.4 [2.3]
CT106	CT106BK	23.9 [2.7]

Asymmetric Torque with Countersunk Holes

no need for any adjustment



CLOSING ROTATION

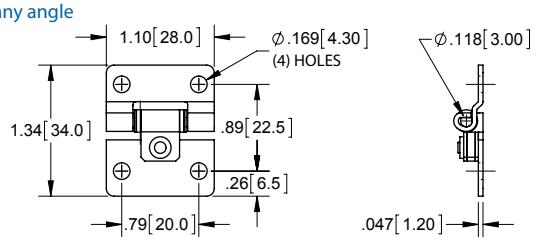
OPENING ROTATION

Finish		Closing Torque in - LBF[Nm]	Opening Torque in - LBF[Nm]
Mill	Black		
CT110	CT110BK	12.4 [1.4]	7.1 [0.8]
CT120	CT120BK	15.9 [1.8]	9.7 [1.1]
CT130	CT130BK	20.4 [2.3]	12.4 [1.4]
CT140	CT140BK	23.9 [2.7]	14.2 [1.6]
CT150	CT150BK	30.1 [3.4]	17.7 [2.0]
CT160	CT160BK	7.1 [0.8]	12.4 [1.4]
CT170	CT170BK	9.7 [1.1]	15.9 [1.8]
CT180	CT180BK	12.4 [1.4]	20.4 [2.3]
CT190	CT190BK	14.2 [1.6]	23.9 [2.7]
CT195	CT195BK	17.7 [2.0]	30.1 [3.4]

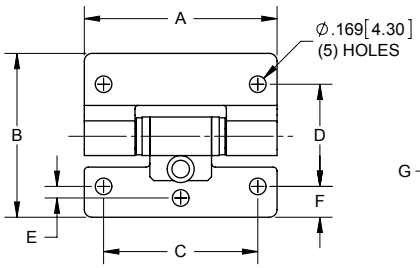
Small Stainless Steel Friction Hinge

Part Number	Material	Finish	Torque Range
FH010SS	304SS	barrel polished	3.0 - 3.9 in lbs.

- provides constant resistance to keep hinge open at any angle



Large Stainless Steel Friction Hinge



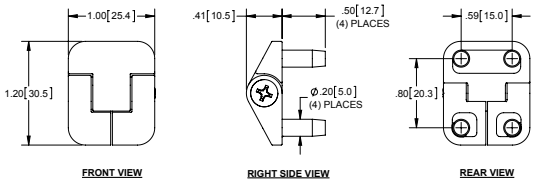
Part Number	Torque Range	A	B	C	D	E	F	G	H
FH0150SS	6.1 - 7.9 in lbs.	1.57 [40.0]	1.38 [35.0]	1.181 [30.00]	.984 [25.00]	.000 [0.00]	.20 [5.0]	Ø.157 [4.00]	.047 [1.20]
FH0125SS	12.1 - 15.6 in lbs.	1.97 [50.0]	1.67 [42.5]	1.575 [40.00]	1.043 [26.50]	.118 [3.00]	.32 [8.00]	Ø.236 [6.00]	.079 [2.00]

- material: 304SS
- finish: barrel polished
- provides constant resistance to keep hinge open at any angle

Small Plastic Friction Hinges

Part Number	Color	Material	Finish
FH050BK	black	glass reinforced plastic	lightly textured
FH050WT	white		

- radial tensile strength working load: 80 lbs.
- axial strength working load: 80 lbs.
- includes (4) self-tapping mounting nuts

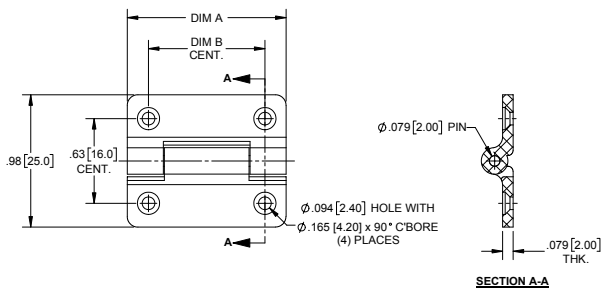


Mini Plastic Friction Hinges

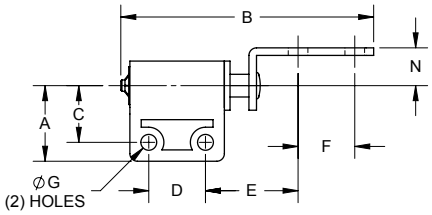
Part Number	Material	Finish	Torque LBF-FT (N-m)	Dim A	Dim B
FH005BK	plastic	black	.059 ± .015 [.08 ±.02]	0.79 [20.0]	.047 [12.0]
FH005WT	plastic	white	.059 ± .015 [.08 ±.02]	0.79 [20.0]	.047 [12.0]
FH006BK	plastic	black	.103 ±.037 [.14 ±.05]	1.18 [30.0]	0.87 [22.0]
FH006WT	plastic	white	.103 ±.037 [.14 ±.05]	1.18 [30.0]	0.87 [22.0]

part no. **FH005WT**

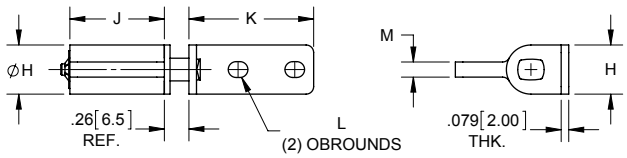
part no. **FH006BK**



Plastic Case Friction Hinges



TOP VIEW

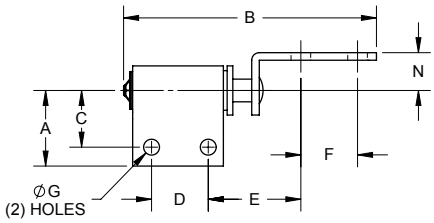


FRONT VIEW RIGHT SIDE VIEW

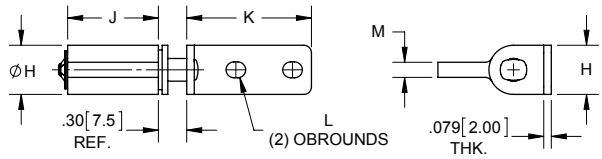
Part Number	Torque (in lbs.)	A	B	C	D	E	F	G	H	J	K	L	M	N
FH122-01	12.1 ±1.8	.79 [20.0]	2.54 [64.5]	.591 [15.00]	.591 [15.00]	.96 [24.5]	.591 [15.00]	.165 [4.20]	.51 [13.0]	.98 [25.0]	1.30 [33.0]	.21 [5.2] x .17 [4.2]	.16 [4.0]	.39 [10.0]
FH122-02	9.5 ±1.3	.71 [18.0]	2.40 [61.0]	.512 [13.00]	.551 [14.00]	.91 [23.0]	.551 [14.00]	.165 [4.20]	.43 [11.0]	.94 [24.0]	1.20 [30.5]	.21 [5.2] x .17 [4.2]	.16 [4.0]	.39 [10.0]
FH122-03	6.1 ±0.9	.59 [15.0]	2.15 [54.5]	.433 [11.00]	.512 [13.00]	.81 [20.5]	.512 [13.00]	.126 [3.20]	.39 [10.0]	.83 [21.0]	1.06 [27.0]	.17 [4.2] x .13 [3.2]	.12 [3.0]	.31 [8.0]
FH122-04	3.0 ±0.4	.43 [11.0]	1.85 [47.0]	.295 [7.50]	.394 [10.00]	.75 [19.0]	.394 [10.00]	.126 [3.20]	.31 [8.0]	.71 [18.0]	.89 [22.5]	.17 [4.2] x .13 [3.2]	.12 [3.0]	.31 [8.0]
FH134-01	12.1 ±1.8	.79 [20.0]	2.63 [66.9]	.591 [15.00]	.591 [15.00]	.96 [24.5]	.591 [15.00]	.165 [4.20]	.51 [13.0]	.98 [25.0]	1.30 [33.0]	.21 [5.2] x .17 [4.2]	.16 [4.0]	.39 [10.0]
FH134-02	9.5 ±1.3	.71 [18.0]	2.48 [63.1]	.512 [13.00]	.551 [14.00]	.91 [23.0]	.551 [14.00]	.165 [4.20]	.43 [11.0]	.94 [24.0]	1.20 [30.5]	.21 [5.2] x .17 [4.2]	.16 [4.0]	.39 [10.0]
FH134-03	6.1 ±0.9	.59 [15.0]	2.22 [56.3]	.433 [11.00]	.512 [13.00]	.81 [20.5]	.512 [13.00]	.126 [3.20]	.39 [10.0]	.83 [21.0]	1.06 [27.0]	.17 [4.2] x .13 [3.2]	.12 [3.0]	.31 [8.0]
FH134-04	3.0 ±0.4	.43 [11.0]	1.92 [48.8]	.295 [7.50]	.394 [10.00]	.75 [19.0]	.394 [10.00]	.126 [3.20]	.31 [8.0]	.71 [18.0]	.89 [22.5]	.17 [4.2] x .13 [3.2]	.12 [3.0]	.31 [8.0]

- material: black plastic case with stainless steel shaft and bracket

Aluminum Case Friction Hinges



TOP VIEW



FRONT VIEW RIGHT SIDE VIEW

Part Number	Torque (in lbs.)	A	B	C	D	E	F	G	H	J	K	L	M	N
FH144-01	12.1 ±1.8	.79 [20.0]	2.54 [64.5]	.591 [15.00]	.591 [15.00]	.96 [24.5]	.591 [15.00]	.165 [4.20]	.51 [13.0]	.98 [25.0]	1.30 [33.0]	.21 [5.2] x .17 [4.2]	.16 [4.0]	.39 [10.0]
FH144-02	9.5 ±1.3	.71 [18.0]	2.40 [61.0]	.512 [13.00]	.551 [14.00]	.91 [23.0]	.551 [14.00]	.165 [4.20]	.43 [11.0]	.94 [24.0]	1.20 [30.5]	.21 [5.2] x .17 [4.2]	.16 [4.0]	.39 [10.0]
FH144-03	6.1 ±0.9	.59 [15.0]	2.15 [54.5]	.433 [11.00]	.512 [13.00]	.81 [20.5]	.512 [13.00]	.126 [3.20]	.39 [10.0]	.83 [21.0]	1.06 [27.0]	.17 [4.2] x .13 [3.2]	.12 [3.0]	.31 [8.0]

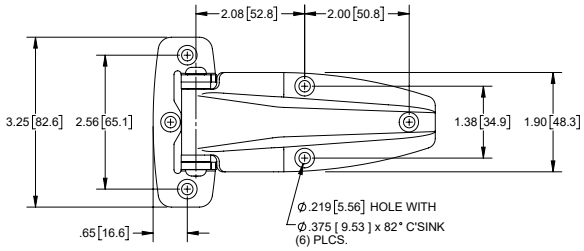
- material: aluminum case with stainless steel shaft and bracket

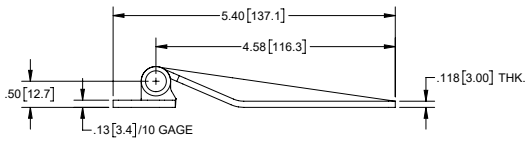
Download 3D MODELS @ www.spep.com

PAT. Stamped Stainless Steel Flush Hinges

Part Number	Material	Finish	Base
1001SS	304SS	electropolished	squared shape thickness: .138 [3.40]/10 gage
1001SSBK	304SS	matte black powder coat	

- 304SS pin and washers

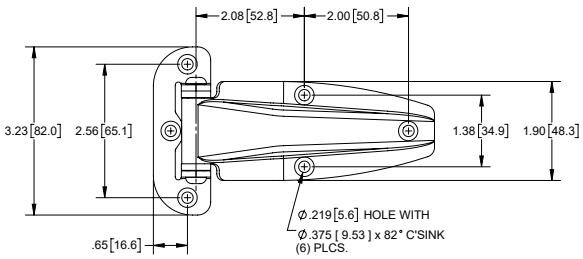


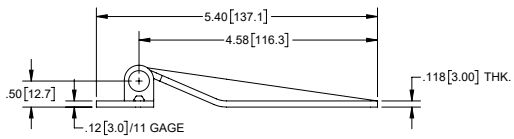


PAT. Stamped Stainless Steel Flush Hinges

Part Number	Material	Finish	Base
1005SS	304SS	electropolished	rounded shape thickness: .118 [3.00]/11 gage
1005SSBK	304SS	black e-coat	

- 304SS pin and washers

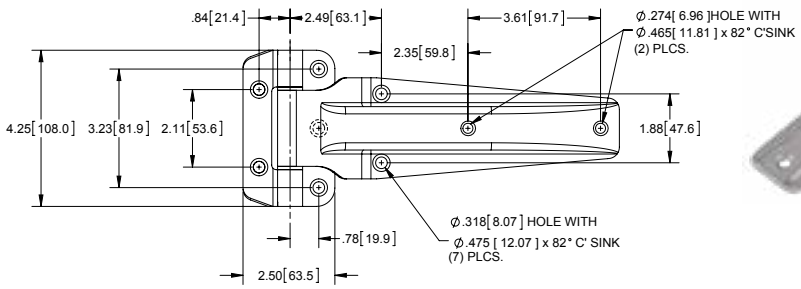


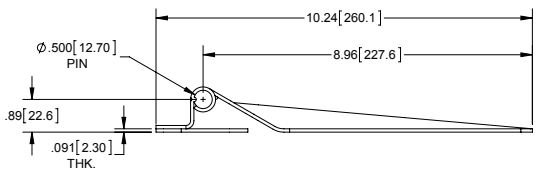


Stamped Stainless Steel Flush Hinge

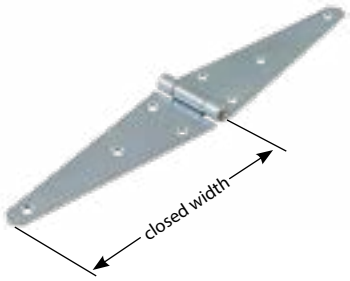
Part Number	Material	Finish
1008SS	304SS	passivated and polished

- 304SS pin and washers





Steel, Zinc Plated Strap Hinges



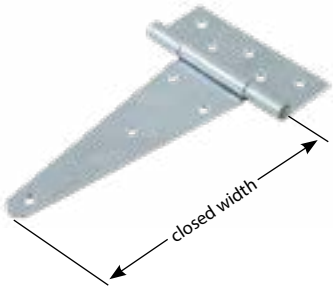
Heavy Strap Hinges

Part Number	Closed Width	Material Thickness	No. of Holes	Screw Size
HSH4091	4.00 [101.6]	.091 [2.30]	6	#8
HSH5091	5.00 [127.0]	.091 [2.30]	8	#10
HSH6091	5.80 [147.3]	.091 [2.30]	8	#10
HSH8118	8.06 [204.7]	.102 [2.59]	8	#10

Light Strap Hinges

Part Number	Closed Width	Material Thickness	No. of Holes	Screw Size
LSH2055	2.00 [50.8]	.055 [1.40]	6	#5
LSH3055	2.94 [74.7]	.055 [1.40]	6	#5
LSH4055	3.88 [98.6]	.055 [1.40]	6	#6
LSH4160	4.04 [102.5]	.059 [1.50]	6	#6
LSH5063	5.00 [127.0]	.071 [1.80]	8	#6
LSH6063	6.00 [152.4]	.060 [1.50]	8	#6
LSH8079	8.13 [206.5]	.079 [2.00]	8	#8

Steel, Zinc Plated T-Hinges



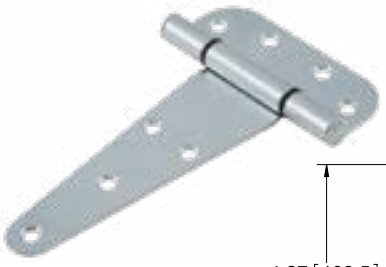
Heavy T-Hinges

Part Number	Closed Width	Material Thickness	No. of Holes	Screw Size
HTH4091	4.00 [101.6]	.091 [2.30]	6	#7
HTH5091	5.00 [127.0]	.091 [2.30]	8	#9
HTH6091	5.85 [148.6]	.091 [2.30]	8	#10
HTH8188	8.00 [203.2]	.102 [2.60]	9	#10

Light T-Hinges

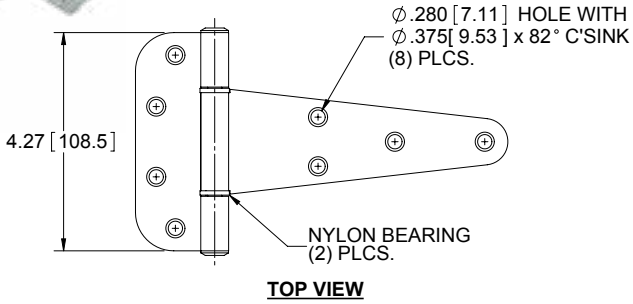
Part Number	Closed Width	Material Thickness	No. of Holes	Screw Size
LTH2055	2.00 [50.8]	.055 [1.40]	6	#6
LTH3055	3.00 [76.2]	.055 [1.40]	6	#6
LTH4055	4.00 [101.6]	.055 [1.40]	6	#6
LTH5063	5.20 [132.1]	.065 [1.65]	7	#6
LTH6063	6.00 [152.4]	.063 [1.60]	7	#7

Steel Heavy T-Hinge

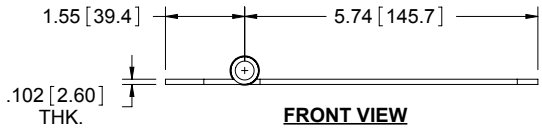


Part Number	Material	Finish
HTH6094	steel	zinc plated
HTH6094BK	steel	black e-coated

- press fit steel pins on both ends
- nylon bearings increase life expectancy and ensures smooth, quiet operation



TOP VIEW

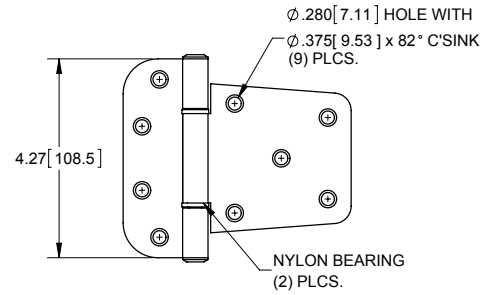


FRONT VIEW

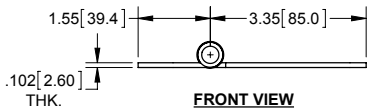
Heavy T-Hinges

Part Number	Material	Finish
HTH3590	steel	zinc plated
HTH3590BK	steel	zinc plated then black powder coated semi-gloss
HTH3590SS	304SS	deburred and passivated

- 304SS pin and washers
- nylon bearings increase life expectancy and ensures smooth, quiet operation



TOP VIEW



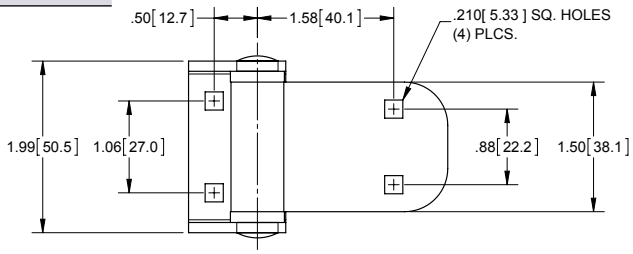
FRONT VIEW

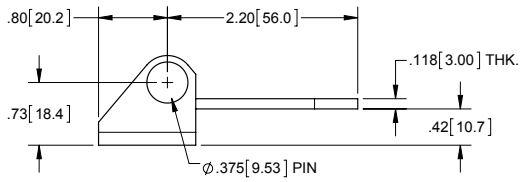
Stainless Steel Offset Strap Hinge

Product Number	Material	Finish
H1043	304SS	hand polished
NEW **H1043-05** ✹	304SS	electropolished

- 304SS pin and washers

✹ indicates money saver

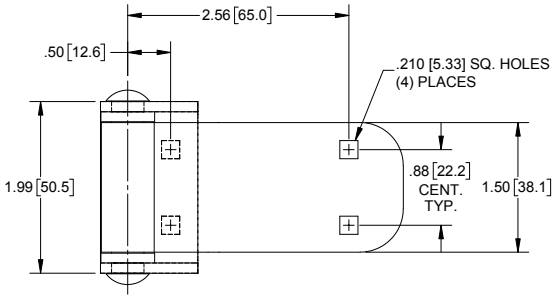


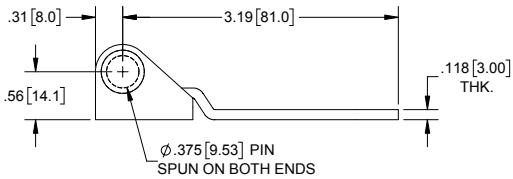


Stainless Steel Offset Strap Hinge

Product Number	Material	Finish
H1081SS	304SS	hand polished

- 304SS pin and washers





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ESOP 100% EMPLOYEE-OWNED
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Tilt Hinge

NEW

See Our Other Info Flyers Here

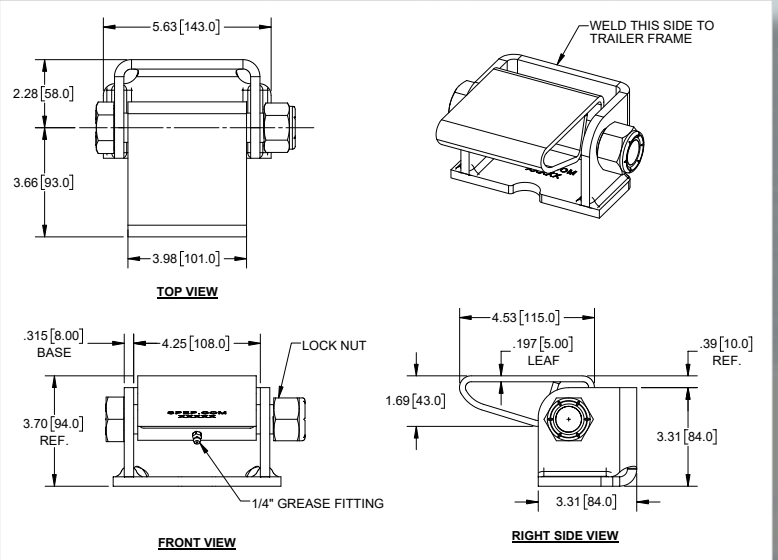
Sierra Pacific Engineering and Products now offers heavy duty tilt hinges for use on dump trucks, dump trailers or dump bodies. Built with high-quality materials for durability, weldability and great performance under the toughest conditions.

Highlights & Features

- includes ¼" grease fitting for easy lubrication maintenance
- for applications on dump trailers, dump trucks or dump bodies
- unfinished for easy welding and painting
- removable hardware for ease of assembly

Application

Technical Details



Part No.	Material	Finish
H3032	steel	mill

Pair of H3032 tilt hinges are suitable for use on trailers with GVWR rating up to **32,000lbs**

(*for higher rating requirements, please contact SPEP for more information*)

Global Headquarters
4041 Via Oro Ave.
Long Beach, CA 90810

Distribution Centers:
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Dallas • Chicago

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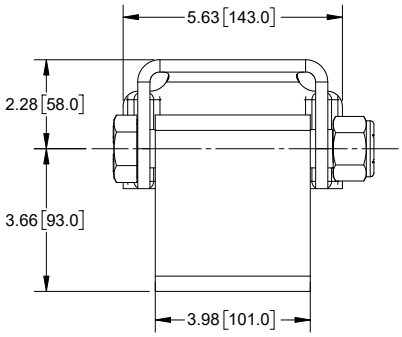
888.444.6437
info@spep-marketing.com

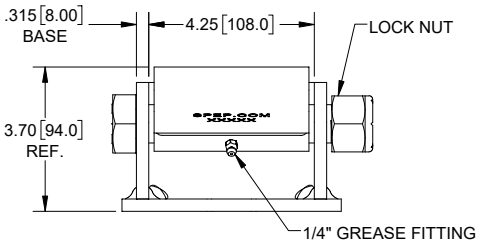
NEW PRODUCT FAMILY Heavy Duty Tilt Hinges

Part No.	Assembly Description	Material	Finish
H3032	with removable hardware	steel	mill
H3032-02	with welded pin	steel	mill

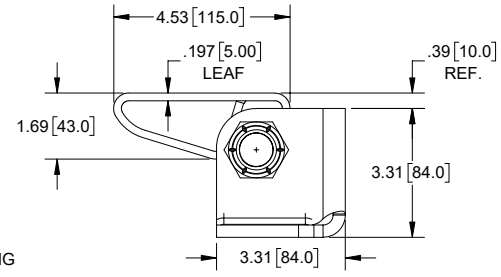
- includes ¼" grease fitting for easy lubrication maintenance
- for applications on dump trailers, dump trucks or dump bodies
- pair of H3032 tilt hinges are suitable for use on trailers with GVWR rating up to 32,000lbs (for higher rating requirements, please contact SPEP for more information)
- unfinished for easy welding and painting
- removable hardware for ease of assembly, components include:
  H3032-BOLT: steel, zinc plated 1"- 8 hex head cap screw bolt
  H3032-NUT: steel, zinc plated nylon insert lock nut
  H3032-WASHER: stainless steel with mill finish triple-wave washer



TOP VIEW



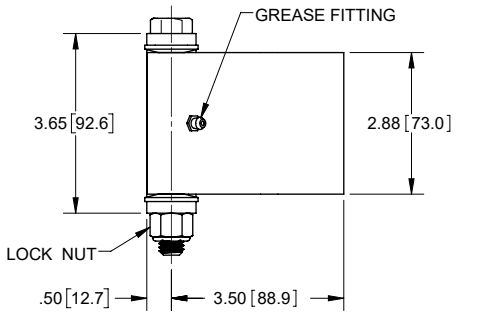
FRONT VIEW

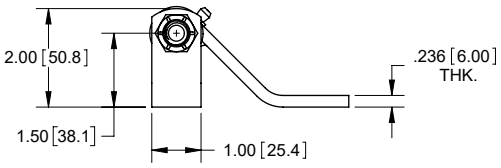


RIGHT SIDE VIEW

Steel Strap Hinges with Grease Fitting

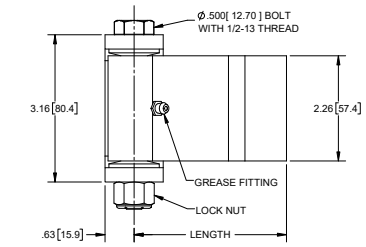
Part No.	Description	Type of Washers	Material	Finish
H1032LH-05	left hand	flat, brass	steel	mill
H1032RH-05	right hand	flat, brass	steel	mill

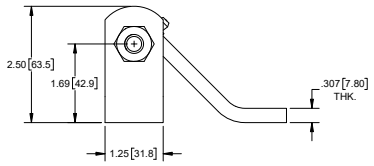


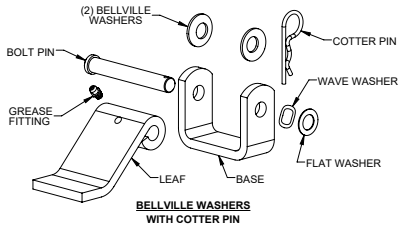


Steel Strap Hinges with Grease Fitting

left hand shown







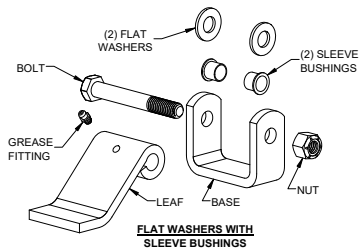
BELLVILLE WASHERS
WITH COTTER PIN

Short Leaf

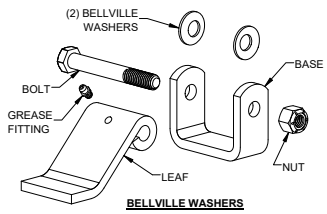
Part Number	Description	Length	Type of Washers	Finish
H1032LH	left hand	3.28 [83.2]	Belleville	zinc plated
H1032RH	right hand	3.28 [83.2]	Belleville	zinc plated
H1032LH-01	left hand	3.28 [83.2]	Belleville	mill
H1032RH-01	right hand	3.28 [83.2]	Belleville	mill
NEW **H1032LH-11***	left hand	3.28 [83.2]	Belleville with cotter pin	mill
H1032LH-03	left hand	3.28 [83.2]	flat with bushings	mill
H1032RH-03	right hand	3.28 [83.2]	flat with bushings	mill

▸ * can be configured for left hand or right hand use

left hand shown



FLAT WASHERS WITH
SLEEVE BUSHINGS



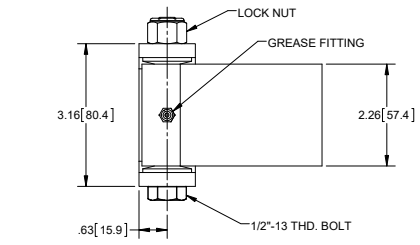
BELLVILLE WASHERS

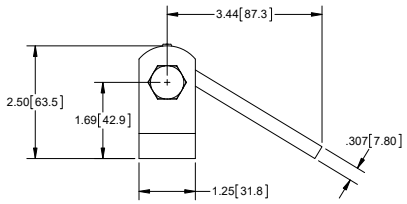
Long Leaf

Part Number	Description	Length	Type of Washers	Finish
H1032LH-10	left hand	5.25 [133.2]	Belleville	mill
H1032RH-10	right hand	5.25 [133.2]	Belleville	mill
H1032LH-15	left hand	5.25 [133.2]	flat with bushings	mill
H1032RH-15	right hand	5.25 [133.2]	flat with bushings	mill

Steel Strap Hinges with Grease Fitting

right hand shown





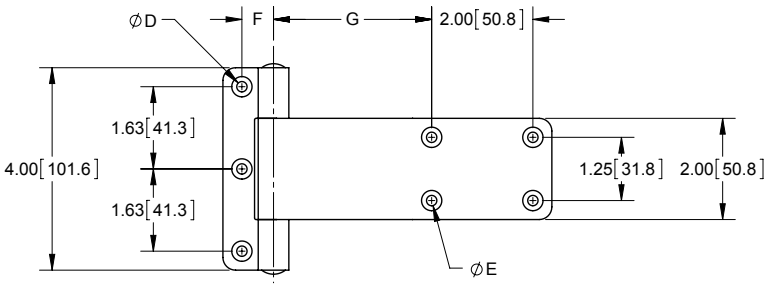
right hand shown

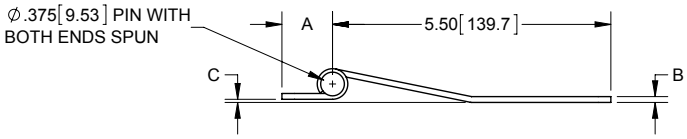
Part Number	Description	Type of Washers	Finish
H1032LH-02	left hand	Belleville	mill
H1032RH-02	right hand	Belleville	mill

Stainless Steel Strap Hinges

Part Number	A	B	C	D	E	F	G
H1020	1.00 [25.4]	.120 [3.05]	.062 [1.57]	Ø.196 [5.00] with 82° c'sink	Ø.196 [5.00] with 82° c'sink	.63 [16.0]	3.13 [79.5]
H1021	1.31 [33.3]	.180 [4.57]	.062 [1.57]	Ø.275 [7.00] with 82° c'sink	Ø.275 [7.00] with 82° c'sink	.81 [20.6]	3.19 [81.0]
H1021-01	1.31 [33.3]	.180 [4.57]	flush	Ø.275 [7.00] with no c'sink	Ø.275 [7.00] with no c'sink	.81 [20.6]	3.19 [81.0]

- material: 304SS
- brushed finish





formed leaf with c'sunk holes
part no. **H1020**
part no. **H1021**

flat leaf with standard holes
part no. **H1021-01**

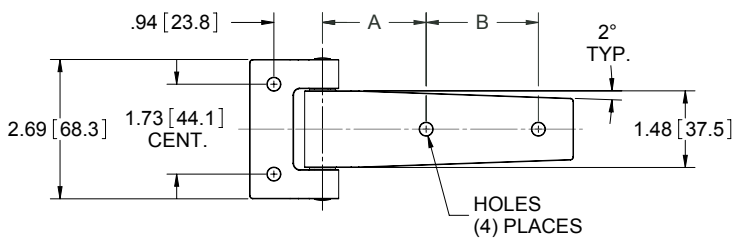
Stainless Steel Strap Hinges

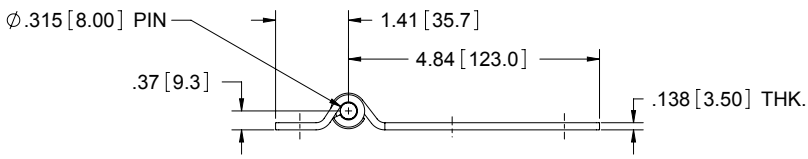
Part Number	Finish	Material	A	B	Holes
H2035	polished	304SS	2.00 [50.8]	2.17 [55.1]	.252 [6.40] dia.
H2035-01	polished	304SS	1.25 [31.8]	2.92 [74.2]	.264 [6.70] sq.

- p/n **H2035** is often used with dome top bumper p/n **1302** on pg. 396

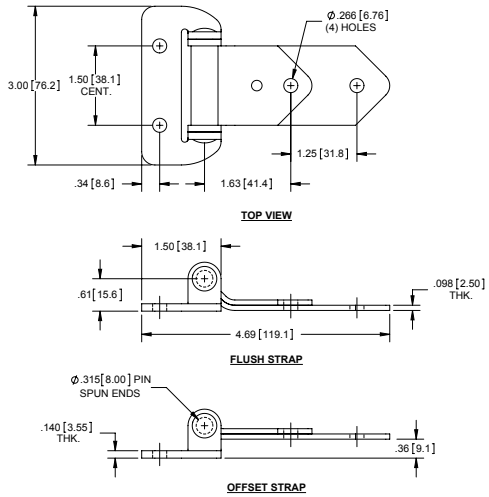
round holes
part no. **H2035**

square holes
part no. **H2035-01**





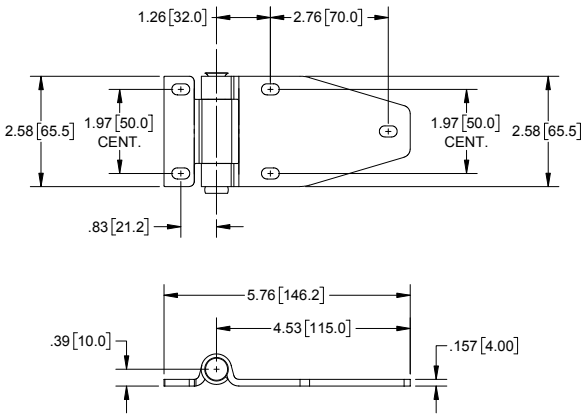
Stainless Steel Strap Hinges



Part Number	Description	Finish
H1034SS-01	flush strap	mirror hand polish
H1034SS-02	offset strap	mirror hand polish

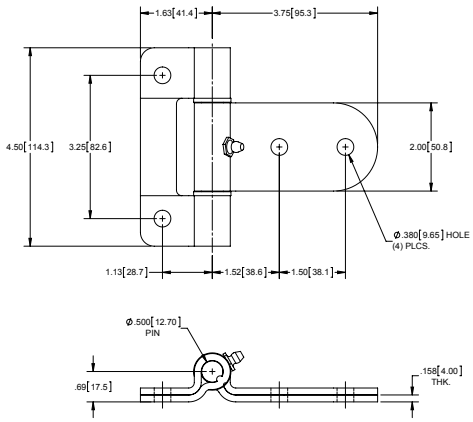
- material: 304SS
- nylon bushings

Stainless Steel Strap Hinge



Part Number	Material	Finish
HSH4516SS	304SS	tumbled deburred

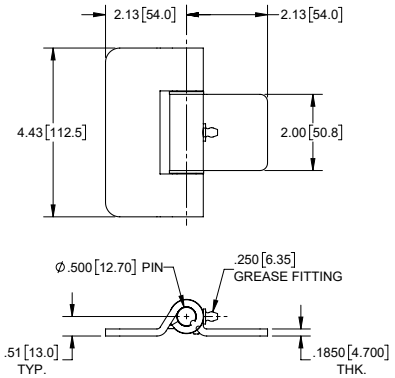
Steel Strap Hinge with Grease Fitting



Part Number	Finish	Pin
H1015	zinc plated	non-removable, steel pin

- brass with mill finish grease fitting
- steel with zinc plated finish washers

Steel Strap Hinge with Grease Fitting



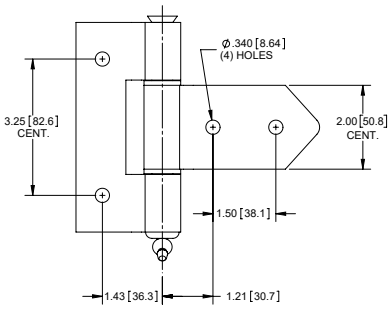
Part Number	Finish	Pin
H3180	zinc plated	non-removable, steel pin

- brass with mill finish grease fitting
- steel with zinc plated finish washers

Steel Strap Hinge with Grease Fitting

Part No.	Finish	Pin
H1086LH	gray powder coated	swaged brass pin with grease fitting

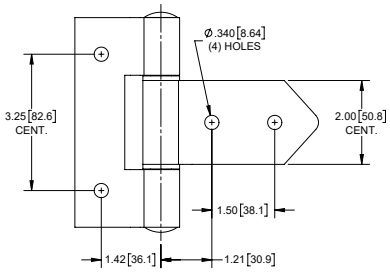
- brass pin
- brass grease fitting
- brass washers



NEW Steel Strap Hinge

Part No.	Finish	Pin
H1086LH-03	zinc plated	steel, zinc plated pin with spun ends

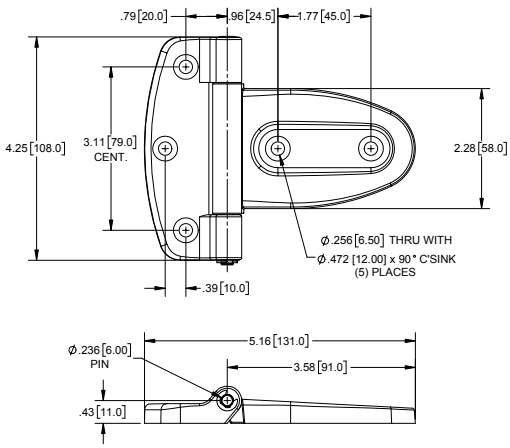
- steel, zinc plated pin
- steel, zinc plated washers



Plastic Strap Hinge

Part No.	Material	Finish
1009P	plastic	matte black

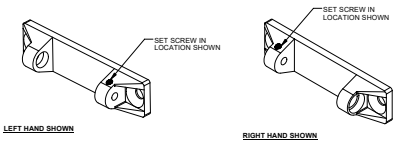
- 304SS pin with passivated finish

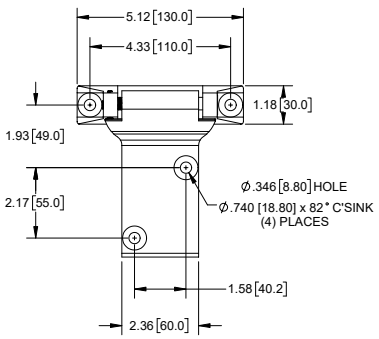


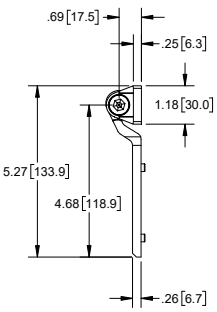
Die Cast Zinc Strap Hinges with Adjustable Offset

Part No.	Material	Description
H2258BK-LH	die cast zinc	left hand
H2258BK-RH	die cast zinc	right hand

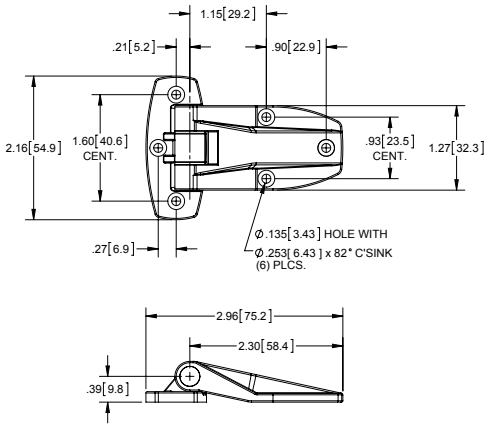
- finish: matte black
- stainless steel pin with passivated finish
- eccentric pin allows up/down & lateral in/out hinge adjustement







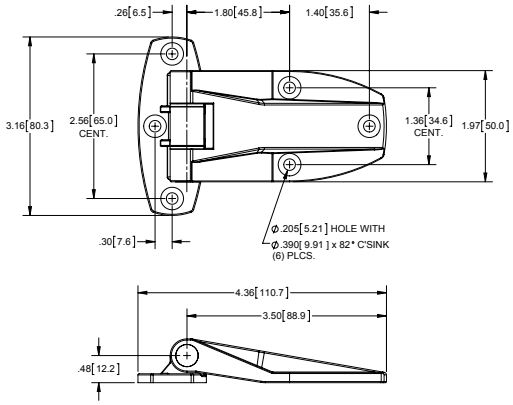
Small Thermoplastic Flush Hinge UV



Part Number	Finish	Pin
1004P02	black, smooth	non-removable, glass reinforced thermoplastic

- glass reinforced thermoplastic (weather grade for outdoor exposure)
- rust proof
- self lubricating washers
- reinforced ribs on underside for added strength
- maximum loads:
  - axial: 100 lbs.
  - radial: 200 lbs.
- mounting screw size #4

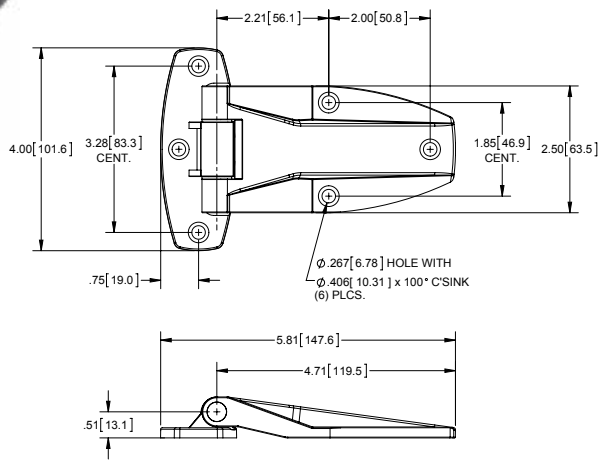
Medium Thermoplastic Flush Hinge UV



Part Number	Finish	Pin
1004P01	black, smooth	non-removable, glass reinforced thermoplastic

- glass reinforced thermoplastic (weather grade for outdoor exposure)
- rust proof
- self lubricating washers
- reinforced ribs on underside for added strength
- maximum loads:
  - axial: 150 lbs.
  - radial: 300 lbs.
- mounting screw size #10

Large Thermoplastic Flush Hinge UV

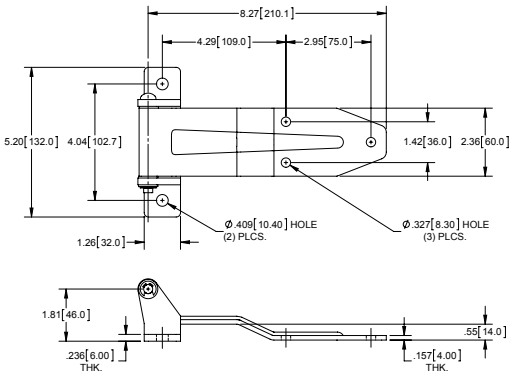


Part Number	Finish	Pin
1004P	black, smooth	non-removable, glass reinforced thermoplastic

- glass reinforced thermoplastic (weather grade for outdoor exposure)
- rust proof
- self lubricating washers
- reinforced ribs on underside for added strength
- maximum loads:
  - axial: 200 lbs.
  - radial: 400 lbs.
- mounting screw size #¼

Steel Strap Hinges

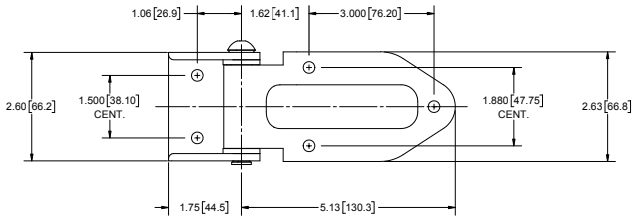
Part No.	Description	Material	Finish
H1017	left hand	steel	zinc plated
H1018	right hand	steel	zinc plated

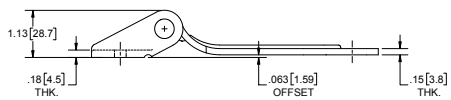


Steel Strap Hinge

Part Number	Material	Finish
H1022	steel	zinc plated

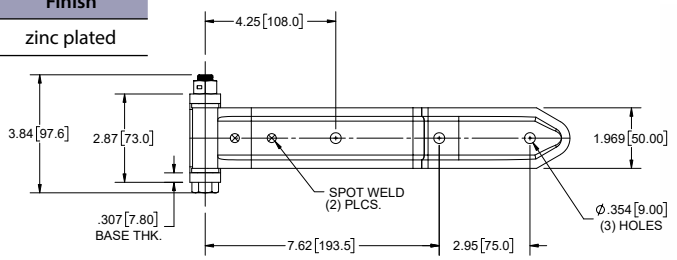
- nylon bushings increase life expectancy and ensures smooth, quiet operation

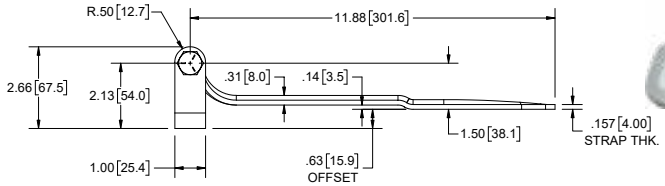




Strap Hinge

Part Number	Material	Finish
H1088	steel	zinc plated

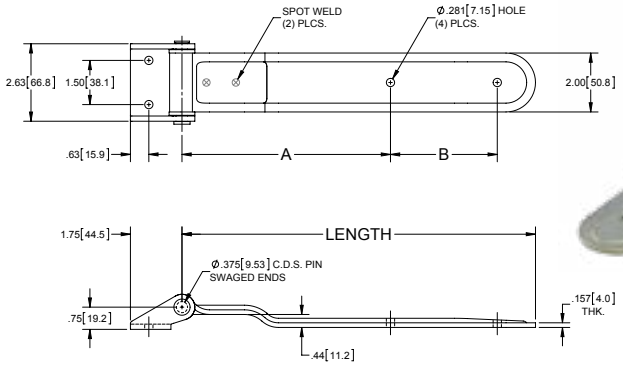




Steel Strap Hinge

Part Number	Finish	A	B	Length
H1082ZN	zinc plated	3.42 [86.9]	3.31 [84.1]	8.00 [203.2]
H1083ZN	zinc plated	7.08 [179.8]	3.63 [92.2]	12.00 [304.8]

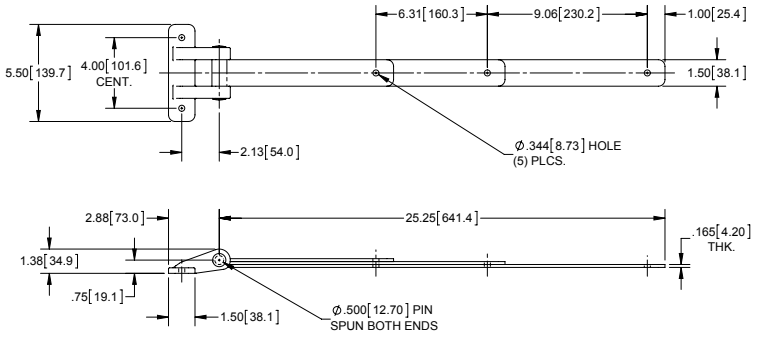
- self lubricating plastic bushings



Steel Strap Hinge

Part Number	Material	Finish
H4000	steel strap and pin, cast iron base	clear zinc plated

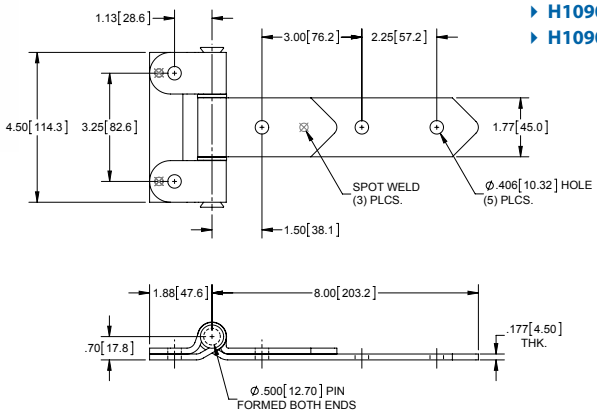
- non-removable pin



Strap Hinges

Part Number	Material	Finish	Pin
H1090A	aluminum	mill	non-removable, 304SS
H1090ZN	steel	zinc plated	non-removable, steel

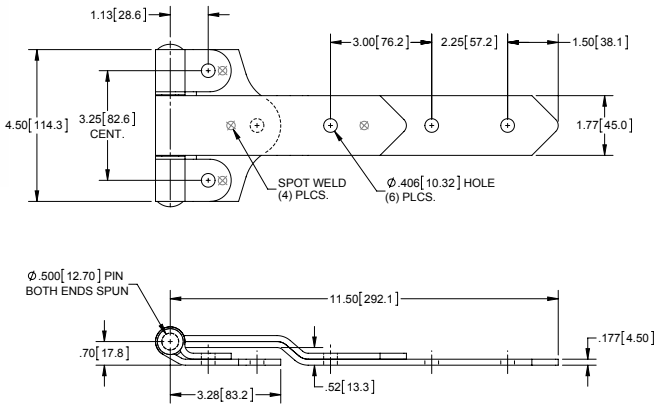
- **H1090A** has 304SS washers
- **H1090ZN** has grease fitting



316SS Strap Hinge 316SS

Part Number	Material	Finish	Pin
H3170SST	316SS	electropolished	non-removable, 316SS

- 316SS washers



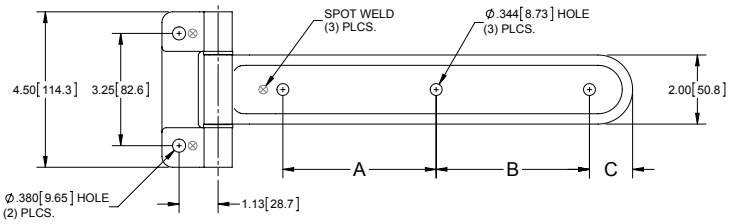
Download 3D MODELS @ www.spep.com

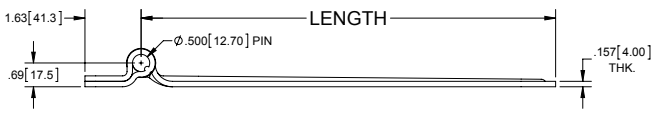
Strap Hinges

Standard Base with Standard Strap - (5) Holes

Part Number	Material	Finish	A	B	C	Length
H308004	steel	zinc plated	2.438 [61.63]	2.438 [61.63]	1.250 [31.75]	8.00 [203.2]
H308004SS *	304SS	mill				
H308004A *	aluminum	mill				
H312004	steel	zinc plated	4.438 [112.73]	4.438 [112.73]	1.250 [31.75]	12.00 [304.8]
H312004SS	304SS	mill				
H312004A	aluminum	mill				
H314004	steel	zinc plated	4.438 [112.73]	4.438 [112.73]	1.250 [31.75]	14.00 [355.6]
H314004SS	304SS	mill				
H314004A	aluminum	mill				
H316004	steel	zinc plated	6.438 [163.53]	6.438 [163.53]	1.250 [31.75]	16.00 [406.4]
H316004SS	304SS	mill				
H316004A *	aluminum	mill				

- aluminum hinges have stainless steel pins and washers
- * these hinges are stock items
- non-removable pin





Custom Options	
general options	▸ custom hole pattern ▸ square holes ▸ grease fittings
steel (**500** piece minimum order)	▸ powder coated ▸ stainless steel pin and washers ▸ brass pin and washers
aluminum (**250** piece minimum order)	▸ polished ▸ anodized
stainless steel (**250** piece minimum order)	▸ hand polished ▸ electropolished ▸ passivated

- minimum order quantity will apply for these custom options

Shims

Part Number	Material	Finish
H3-03	steel	blue zinc
H3-03SS	304SS	mill
H3-03A	aluminum	mill

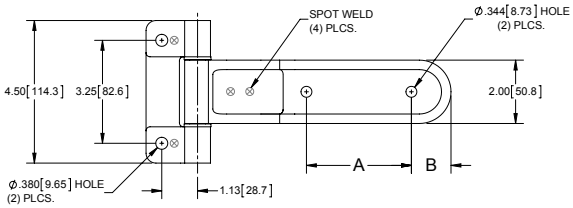
- material thickness: .125 [3.18]

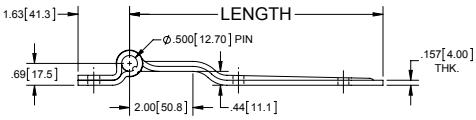
Strap Hinges

Standard Base with Offset Strap - (4) Holes

Part Number	Material	Finish	A	B	Length
H308005	steel	zinc plated	3.313 [84.15]	1.250 [31.75]	8.00 [203.2]
H308005SS	304SS	mill			
H308005A *	aluminum	mill			

- aluminum hinges have stainless steel pins and washers
- * these hinges are stock items
- non-removable pin

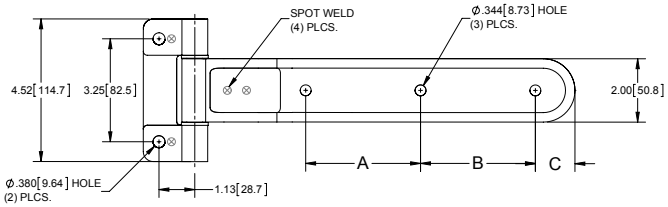


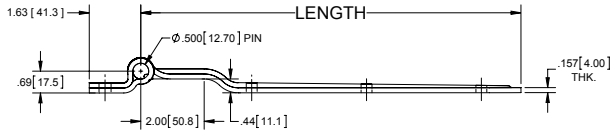


Standard Base with Offset Strap - (5) Holes

Part Number	Material	Finish	A	B	C	Length
H312005 *	steel	zinc plated	3.625 [92.08]	3.625 [92.08]	1.250 [31.75]	12.00 [304.8]
H312005-01*	steel	zinc plated	2.500 [63.50]	2.500 [63.50]	1.344 [34.14]	12.00 [304.8]
H312005SS	304SS	mill	3.625 [92.08]	3.625 [92.08]	1.250 [31.75]	12.00 [304.8]
H312005A	aluminum	mill				
H314005	steel	zinc plated	3.625 [92.08]	3.625 [92.08]	1.250 [31.75]	14.00 [355.6]
H314005SS	304SS	mill				
H314005A	aluminum	mill				
H316005 *	steel	zinc plated	5.625 [142.88]	5.625 [142.88]	1.250 [31.75]	16.00 [406.4]
H316005SS *	304SS	mill				
H316005A	aluminum	mill				

- p/n **H312005-01** has a longer offset dimension of 3.50 [88.9] instead of 2.00 [50.8]
- aluminum hinges have stainless steel pins and washers
- * these hinges are stock items
- non-removable pin





Custom Options	
general options	custom hole pattern square holes grease fittings
steel (**500** piece minimum order)	powder coated stainless steel pin and washers brass pin and washers
aluminum (**250** piece minimum order)	polished anodized
stainless steel (**250** piece minimum order)	hand polished electropolished passivated

- minimum order quantity will apply for these custom options

Shims

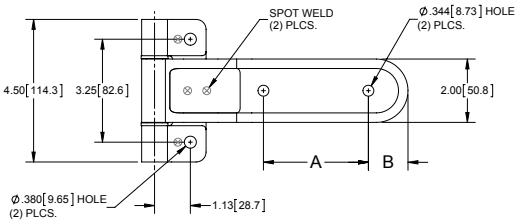
Part Number	Material	Finish
H3-03	steel	blue zinc
H3-03SS	304SS	mill
H3-03A	aluminum	mill

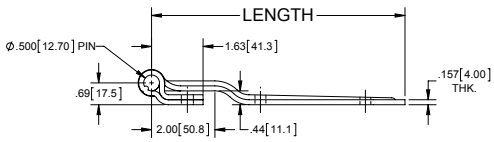
- material thickness: .125 [3.18]

Reverse Base with Offset Strap - (4) Holes

Part Number	Material	Finish	A	B	Length
H308003 *	steel	zinc plated	3.313 [84.15]	1.250 [31.75]	8.00 [203.2]
H308003SS	304SS	mill			
H308003A	aluminum	mill			
H312003-01*	steel	zinc plated	3.625 [92.08]	1.250 [31.75]	12.00 [204.8]

- aluminum hinges have stainless steel pins and washers
- * these hinges are stock items
- non-removable pin

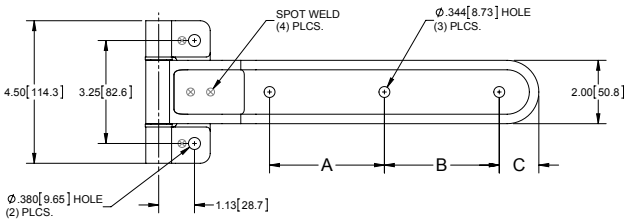


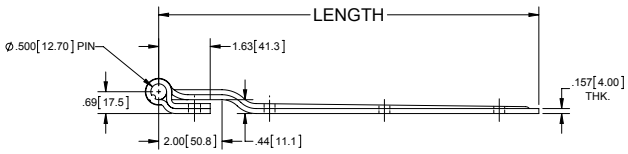


Reverse Base with Offset Strap - (5) Holes

Part Number	Material	Finish	A	B	C	Length
H312003 *	steel	zinc plated	3.625 [92.08]	3.625 [92.08]	1.250 [31.75]	12.00 [304.8]
H312003SS	304SS	mill				
H312003A	aluminum	mill				
H314003 *	steel	zinc plated	4.625 [117.48]	3.625 [92.08]	1.250 [31.75]	14.00 [355.6]
H314003SS*	304SS	mill				
H314003A	aluminum	mill				
H316003 *	steel	zinc plated	5.625 [142.88]	5.625 [142.88]	1.250 [31.75]	16.00 [406.4]
H316003SS	304SS	mill				
H316003A *	aluminum	mill				

- aluminum hinges have stainless steel pins and washers
- * these hinges are stock items
- non-removable pin





Custom Options	
general options	custom hole pattern square holes grease fittings
steel (**500** piece minimum order)	powder coated stainless steel pin and washers brass pin and washers
aluminum (**250** piece minimum order)	polished anodized
stainless steel (**250** piece minimum order)	hand polished electropolished passivated

- minimum order quantity will apply for these custom options

Shims

Part Number	Material	Finish
H3-03	steel	blue zinc
H3-03SS	304SS	mill
H3-03A	aluminum	mill

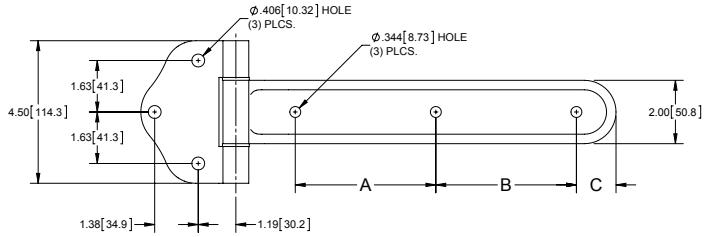
- material thickness: .125 [3.18]

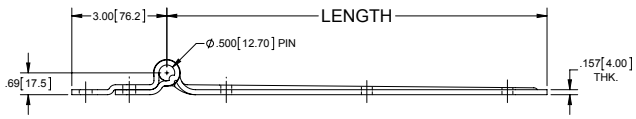
Strap Hinges

Tri-shaped Base with Standard Strap - (6) Holes

Part Number	Material	Finish	A	B	C	Length
H308000 *	steel	zinc plated	2.438 [61.90]	2.438 [61.90]	1.250 [31.75]	8.00 [203.2]
H308000SS	304SS	mill				
H308000A	aluminum	mill				
H312000 *	steel	zinc plated	4.438 [112.73]	4.438 [112.73]	1.250 [31.75]	12.00 [304.8]
H312000SS	304SS	mill				
H312000A	aluminum	mill				
H314000 *	steel	zinc plated	4.438 [112.73]	4.438 [112.73]	1.250 [31.75]	14.00 [355.6]
H314000SS	304SS	mill				
H314000A	aluminum	mill				
H316000 *	steel	zinc plated	6.438 [163.50]	6.438 [163.50]	1.250 [31.75]	16.00 [406.4]
H316000SS	304SS	mill				
H316000A	aluminum	mill				

- aluminum hinges have stainless steel pins and washers
- * these hinges are stock items
- non-removable pin





Custom Options	
general options	▸ custom hole pattern ▸ square holes ▸ grease fittings
steel (**500** piece minimum order)	▸ powder coated ▸ stainless steel pin and washers ▸ brass pin and washers
aluminum (**250** piece minimum order)	▸ polished ▸ anodized
stainless steel (**250** piece minimum order)	▸ hand polished ▸ electropolished ▸ passivated

- minimum order quantity will apply for these custom options

Shims

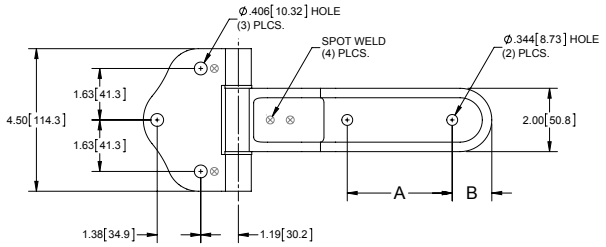
Part Number	Material	Finish
H3-01	steel	blue zinc
H3-01SS	304SS	mill
H3-01A	aluminum	mill

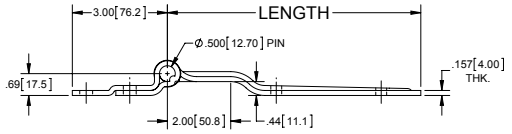
- material thickness: .125 [3.18]

Tri-shaped Base with Offset Strap - (5) Holes

Part Number	Material	Finish	A	B	Length
H308001 *	steel	zinc plated	3.313 [84.15]	1.250 [31.75]	8.00 [203.2]
H308001SS	304SS	mill			
H308001SS-01	304SS	passivated			
H308001A	aluminum	mill			

- aluminum hinges have stainless steel pins and washers
- * these hinges are stock items
- non-removable pin

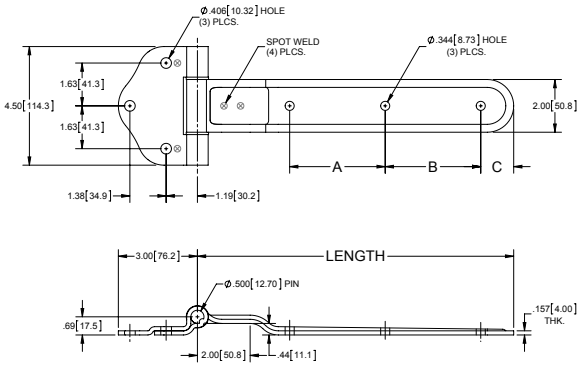




Tri-shaped Base with Offset Strap - (6) Holes

Part Number	Material	Finish	A	B	C	Length
H312001 *	steel	zinc plated	3.625 [92.08]	3.625 [92.08]	1.250 [31.75]	12.00 [304.8]
H312001SS *	304SS	mill				
H312001SS-01 *	304SS	passivated				
H312001A	aluminum	mill				
H314001 *	steel	zinc plated	3.625 [92.08]	3.625 [92.08]	1.250 [31.75]	14.00 [355.6]
H314001SS *	304SS	mill				
H314001A	aluminum	mill				
H316001 *	steel	zinc plated	5.625 [142.88]	5.625 [142.88]	1.250 [31.75]	16.00 [406.4]
H316001SS	304SS	mill				
H316001SS-01	304SS	passivated				
H316001A	aluminum	mill				

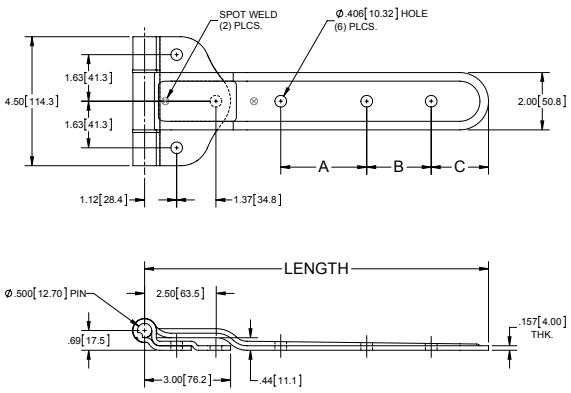
- aluminum hinges have stainless steel pins and washers
- * these hinges are stock items
- non-removable pin



Reverse Tri-shaped Base with Offset Strap - (6) Holes

Part Number	Material	Finish	A	B	C	Length
H312002	steel	zinc plated	3.00 [76.2]	2.25 [57.2]	2.00 [50.8]	12.00 [304.8]

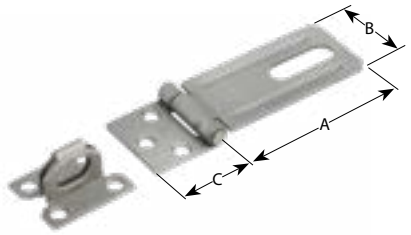
- non-removable pin



Custom Options	
general options	▸ custom hole pattern ▸ square holes ▸ grease fittings
steel (**500** piece minimum order)	▸ powder coated ▸ stainless steel pin and washers ▸ brass pin and washers
aluminum (**250** piece minimum order)	▸ polished ▸ anodized
stainless steel (**250** piece minimum order)	▸ hand polished ▸ electropolished ▸ passivated

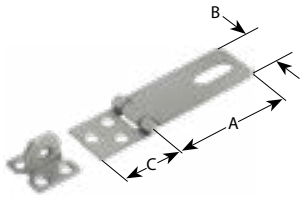
- minimum order quantity will apply for these custom options

Safety Hasp & Staple (Steel)



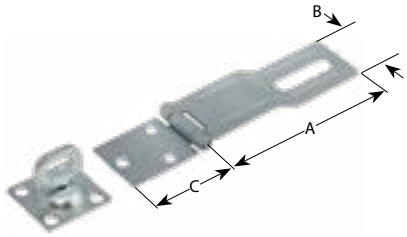
Part Number	Finish	Material Thickness	A	B	C	Screw Size
2803	zinc plated	.080 [2.03]	3.30 [83.8]	1.50 [38.1]	1.31 [33.3]	#6
2803PL	mill	.080 [2.03]	3.30 [83.8]	1.50 [38.1]	1.31 [33.3]	#6
2804	zinc plated	.080 [2.03]	4.43 [112.5]	1.50 [38.1]	1.97 [50.0]	#7
2804PL	mill	.080 [2.03]	4.43 [112.5]	1.50 [38.1]	1.97 [50.0]	#7
2806	zinc plated	.080 [2.03]	6.00 [152.4]	1.75 [44.5]	2.71 [68.8]	#8
2806PL	mill	.080 [2.03]	6.00 [152.4]	1.75 [44.5]	2.71 [68.8]	#8

Safety Hasp & Staple (Steel)



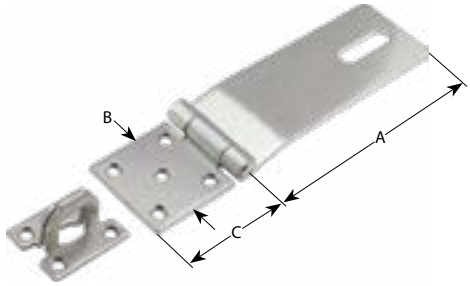
Part Number	Finish	Material Thickness	A	B	C	Screw Size
2812	zinc plated	.067 [1.70]	2.50 [63.5]	1.00 [25.4]	1.125 [28.58]	#5
2812PL	mill	.067 [1.70]	2.50 [63.5]	1.00 [25.4]	1.125 [28.58]	#5

Swivel Safety Hasp & Staple (Steel)



Part Number	Finish	Material Thickness	A	B	C	Screw Size	Staple Part No.
2833	zinc plated	.075 [1.91]	3.25 [82.6]	1.50 [38.1]	1.28 [32.5]	#7	**283S**
2834	zinc plated	.075 [1.91]	4.34 [110.2]	1.50 [38.1]	1.94 [49.3]	#7	
2836	zinc plated	.079 [2.00]	6.00 [152.4]	1.75 [44.5]	2.75 [69.9]	#8	

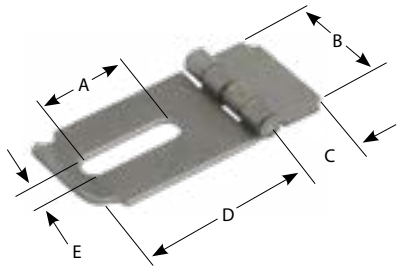
Large Safety Hasp & Staple (Steel)



Part Number	Finish	Material Thickness	A	B	C	Screw Size
2817	zinc plated	.157 [4.00]	7.00 [177.8]	2.50 [63.5]	2.75 [69.9]	#10

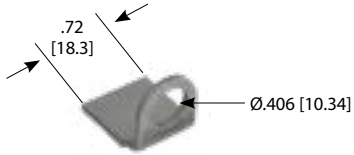
▸ this part is non-stock

Light Duty Hasp & Staple (Steel)



Hasp

Part Number	Material Thickness	A	B	C	D	E	Finish
2884	.060 [1.52]	1.00 [25.4]	1.13 [28.7]	.63 [16.0]	1.86 [47.2]	.250 [6.35]	mill



Staple

Part Number	Material Thickness	Finish
2883	.079 [2.00]	mill

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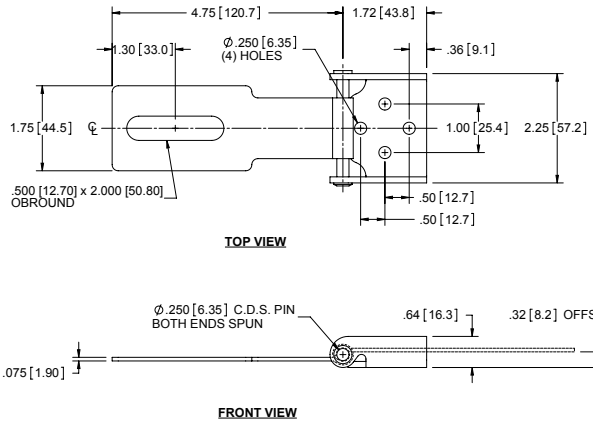
Stamped Hasp (Steel)

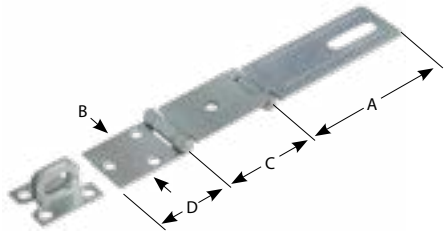
Part Number	Finish
2830ZN	zinc plated



Double Hinge Safety Hasp and Staple Kit (Steel)

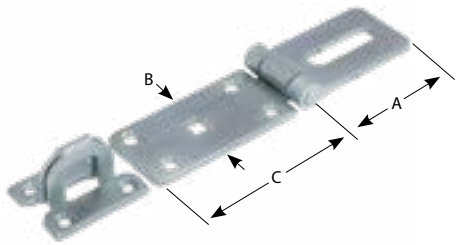
Part Number	A	B	C	D	Screw Size	Hasp Thickness	Finish
2853	3.25 [82.6]	1.50 [38.1]	2.50 [63.5]	1.31 [33.3]	#7	.080 [2.00]	zinc plated

▸ this part is non-stock



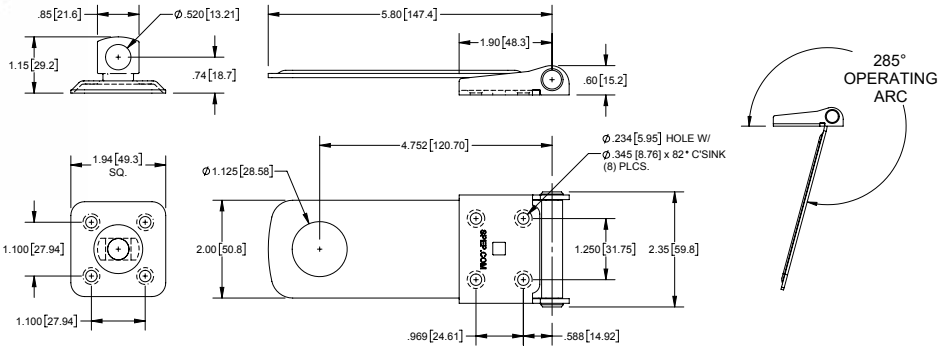
Heavy Duty Hasp & Case Hardened Staple (Steel)

Part Number	Finish	Material Thickness	A	B	C	Screw Size
2847	zinc plated	.15 [3.8]	3.25 [82.6]	1.88 [47.6]	4.00 [101.6]	#10
2847PL	mill	.15 [3.8]	3.25 [82.6]	1.88 [47.6]	4.00 [101.6]	#10



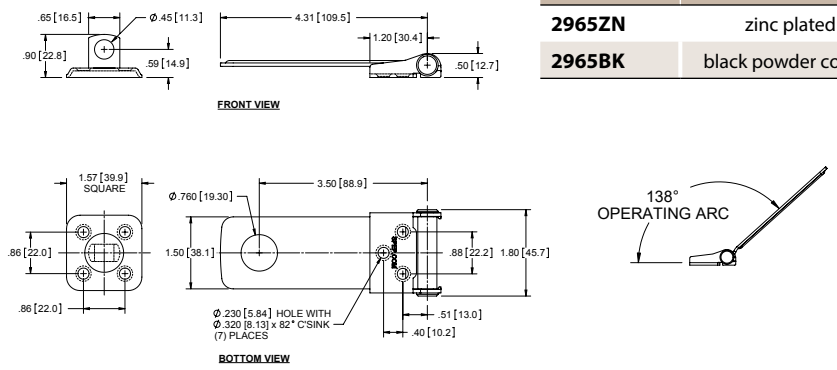
6.00" Hasp and Swivel Staple Kits (Steel)

Part Number	Finish
2966ZN	zinc plated
2966BK	black powder coated



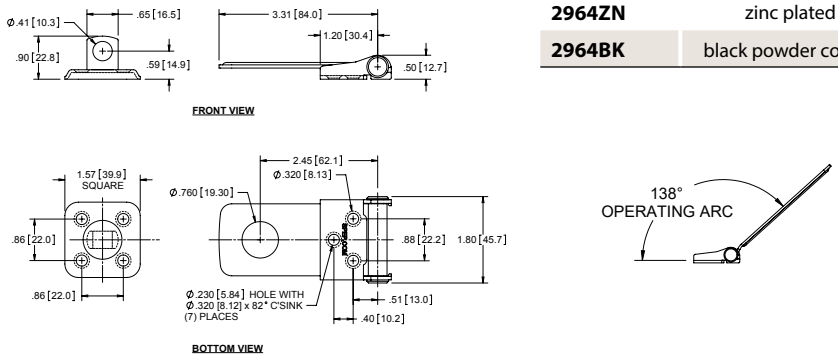
4.50" Hasp and Swivel Staple Kits (Steel)

Part Number	Finish
2965ZN	zinc plated
2965BK	black powder coated



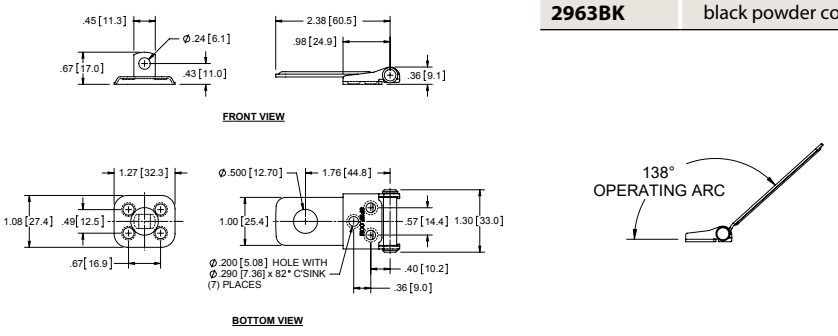
3.50" Hasp and Swivel Staple Kits (Steel)

Part Number	Finish
2964ZN	zinc plated
2964BK	black powder coated



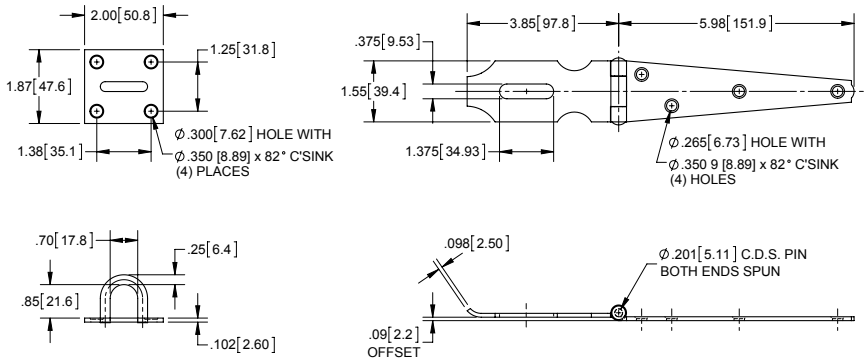
2.50" Hasp and Swivel Staple Kits (Steel)

Part Number	Finish
2963ZN	zinc plated
2963BK	black powder coated



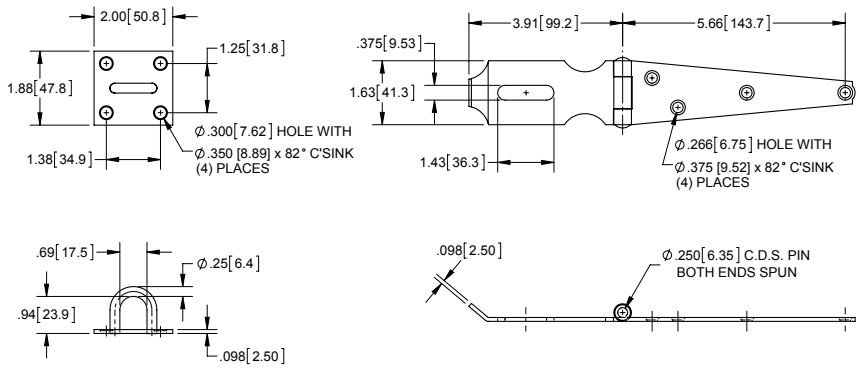
Strap Hasp and Staple (Steel)

Part Number	Finish
2862	zinc plated

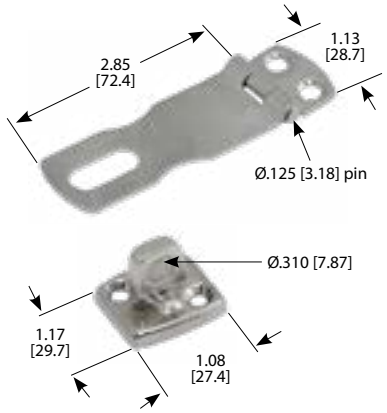


Strap Hasp and Staple (Steel)

Part Number	Finish
2876	zinc plated



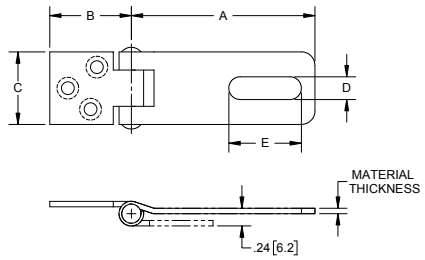
300 Series Stainless Steel Marine Hasp and Swivel Staple



Part Number	Description	Material Thickness	Finish	Screw Size
M0827	hasp	.060 [1.52]	electropolished	#8
M0627	swivel staple	.060 [1.52]	electropolished	#8

300 Series Stainless Steel Hasps

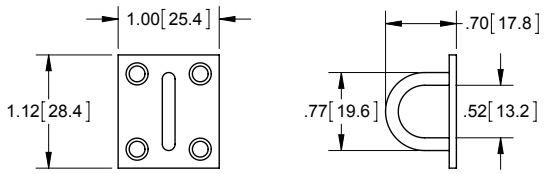
Part Number	Material Thickness	Finish	A	B	C	D	E	F	Screw Size	Mounting Holes
2702	.075 [1.91]	tumbled deburred	2.53 [64.3]	1.12 [28.5]	1.00 [25.4]	.312 [7.92]	1.00 [25.4]	.25 [6.4]	#6	3
2704	.075 [1.91]	tumbled deburred	3.50 [88.9]	1.31 [33.3]	1.50 [38.1]	.375 [9.53]	1.25 [31.8]	.25 [6.4]	#8	3
2706	.098 [2.49]	tumbled deburred	4.50 [114.3]	2.22 [56.4]	1.50 [38.1]	.375 [9.53]	1.25 [31.8]	.25 [6.4]	#8	3
2708	.104 [2.64]	tumbled deburred	6.00 [152.4]	2.75 [69.9]	1.88 [47.6]	.375 [9.53]	1.25 [31.8]	.31 [7.9]	#10	5



300 Series Stainless Steel Staples

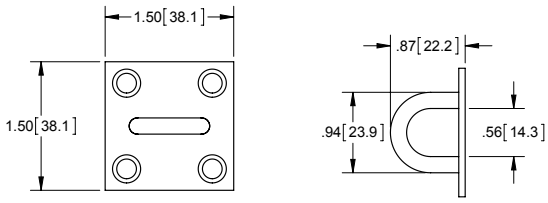
Small Staple

Part Number	Material Thickness	Finish	Wire Dia.	Screw Size
272SS	.072 [1.83]	tumbled deburred	.125 [3.18]	#6



Large Staple

Part Number	Material Thickness	Finish	Wire Dia.	Screw Size
274SS	.072 [1.83]	tumbled deburred	.187 [4.75]	#8



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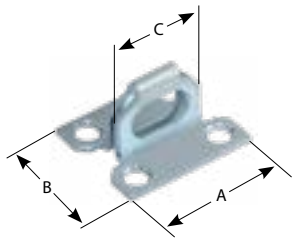
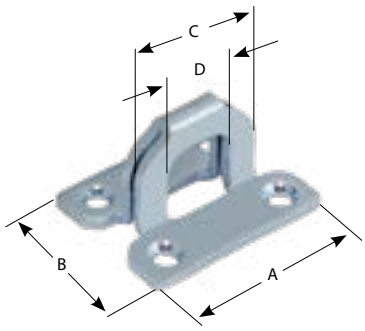
Standard Stamped Staples (Steel)

Part Number	Plate Thickness	Staple Thickness	A	B	C	Screw Size	Finish
280S	.079 [2.01]	.25 [6.35]	1.63 [41.4]	1.36 [34.5]	1.13 [28.7]	#7	zinc plated
280T-01	.039 [1.00]	.16 [4.06]	1.00 [25.4]	.69 [17.5]	.69 [17.5]	#4	zinc plated
280U	.067 [1.70]	.16 [4.06]	1.20 [30.5]	1.08 [27.4]	.90 [22.9]	#6	zinc plated



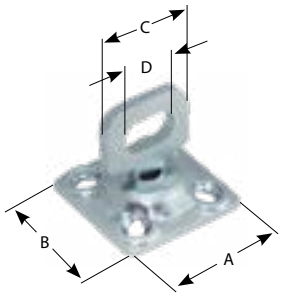
Large Stamped Staple (Steel)

Part Number	Plate Thickness	Staple Dia./ Thickness	A	B	C	D	Screw Size	Finish
281U	.152 [3.86]	.365 [9.27]	2.26 [57.4]	1.86 [47.2]	1.57 [39.9]	.85 [21.6]	#9	zinc plated



Swivel Staple (Steel)

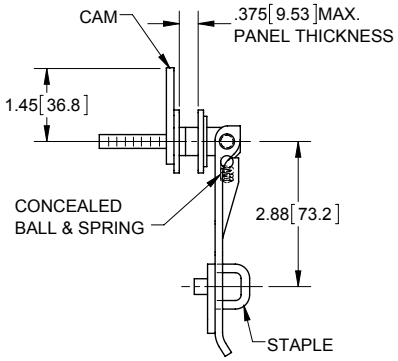
Part Number	Plate Thickness	Staple Dia./ Thickness	A	B	C	D	Screw Size	Finish
283S	.079 [2.00]	1.77 [4.50]	1.50 [38.1]	1.50 [38.1]	1.06 [26.9]	.63 [16.0]	#7	zinc plated

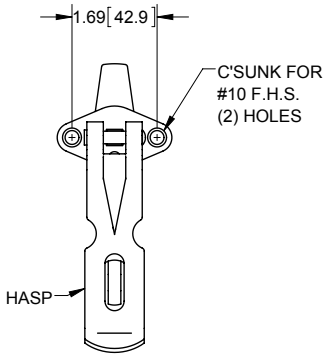


Single Point Padlock Type Hasp Latch (Steel)

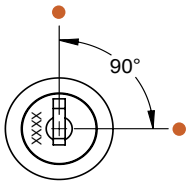
Part Number	Material	Finish
295	steel	zinc plated

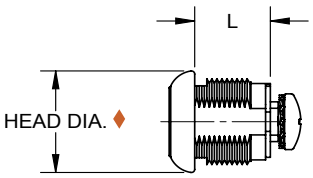
- concealed ball and spring prevent hasp disengaging from staple when padlock is not attached
- accommodates lock shackles of up to Ø.312 [7.92]
- for doors up to .38 [9.5] thick

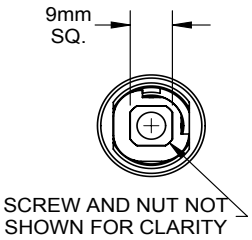




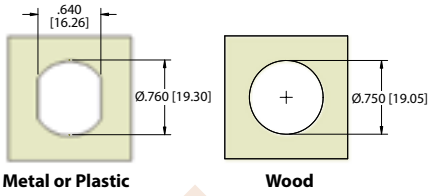
Cam Locks







- key removable in both locked and unlocked positions
- Ø.86 [21.8] = plated head
- Ø.89 [22.6] = stainless steel scalped head



recommended cut-out for cam locks, unless otherwise illustrated.

Part Number	Length L	Key Code	Finish	Body Mounting	Cam Fastener	Rotation
K04BSS---001	11/32 [9]	CH751	stainless steel face	hex nut	spun-on	90°
K04BSS---002	11/32 [9]	C415A	stainless steel face	hex nut	spun-on	90°
K04ESS---001	7/16 [11]	CH751	stainless steel face	hex nut	spun-on	90°
K04ESS---002	7/16 [11]	C415A	stainless steel face	hex nut	spun-on	90°
K04ICP---001^ «	5/8 [16]	C413A	chrome	hex nut	screw-on	90°
K04IBP---001^ «	5/8 [16]	C413A	bright brass	hex nut	screw-on	90°
K04ISS---001	5/8 [16]	CH751	stainless steel face	hex nut	screw-on	90°
K04ISS---002	5/8 [16]	C415A	stainless steel face	hex nut	screw-on	90°
K04ISS---003	5/8 [16]	CAT60	stainless steel face	hex nut	screw-on	90°
K04ISS---004*^	5/8 [16]	AH1	stainless steel face	hex nut	screw-on	90°/180°
K04ISS---005*^	5/8 [16]	AH2	stainless steel face	hex nut	screw-on	90°/180°
K04ISS---006*^	5/8 [16]	AH3	stainless steel face	hex nut	screw-on	90°/180°
K04ISS---007*^	5/8 [16]	AH4	stainless steel face	hex nut	screw-on	90°/180°
K04OSS---001	7/8 [22]	CH751	stainless steel face	hex nut	screw-on	90°
K04OSS---002	7/8 [22]	C415A	stainless steel face	hex nut	screw-on	90°
K04TCP---001^ «	1-1/8 [29]	C413A	chrome	hex nut	screw-on	90°
K04TBP---001^ «	1-1/8 [29]	C413A	bright brass	hex nut	screw-on	90°
K04TSS---001	1-1/8 [29]	CH751	stainless steel face	hex nut	screw-on	90°
K04TSS---002	1-1/8 [29]	C415A	stainless steel face	hex nut	screw-on	90°
K04TSS---003*	1-1/8 [29]	AH1	stainless steel face	hex nut	screw-on	90°/180°
K04TSS---004*	1-1/8 [29]	AH2	stainless steel face	hex nut	screw-on	90°/180°
K04TSS---005*	1-1/8 [29]	AH3	stainless steel face	hex nut	screw-on	90°/180°
K04TSS---006	1-1/8 [29]	C413A	stainless steel face	hex nut	screw-on	90°
K04YSS---001	1-3/8 [35]	CH751	stainless steel face	hex nut	screw-on	90°
K04YSS---002	1-3/8 [35]	C415A	stainless steel face	hex nut	screw-on	90°

- material: die cast zinc
- locks have (5) wafers
- key code stamped on keys and face
- includes:
  - cam mounting screw
  - body nut
  - (2) keys per lock

- **NOTE:** cam is not included (see pages 370-371 for cam selection)

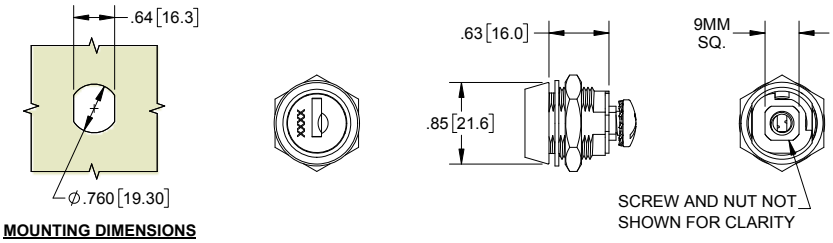
^ key code is not stamped on face
« includes trim ring
* locks include a 90° and 180° stop washer. (locks are packaged unassembled inside a sealed polybag)

Download 3D MODELS @ www.spep.com

Sealed Cam Lock

Base Part Number	Length	Key Code	Options			
			Finish	Body Mounting	Rotation	Cam Fastener
K04JSS---001	.63 [16]	CH751	chrome	hex nut or spring clip	any, see page 369	screw-on or spun-on
K04JSS---002	.63 [16]	C415A	chrome			

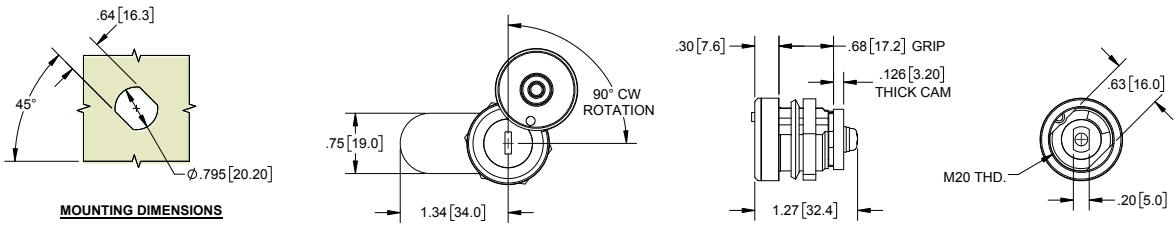
- **NOTE**: cam is not included
- see page 370-371 for cam selection
- includes internal o-ring, gasket, and dust shutter
- material: die cast zinc



Cam Lock with Capped Cylinder

Part No.	Material	Finish	
		Lock	Housing
K03PCP09	die cast zinc	mill	chrome plated

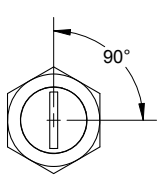
- cap is 304SS with barrel polished finish
- includes cam

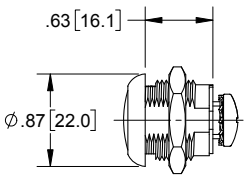


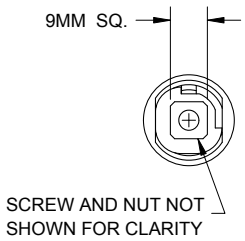
Slotted Cam Latch

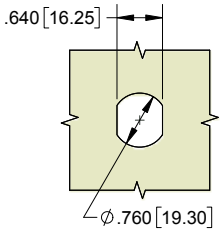
Base Part Number	Length	Finish	Body Mounting	Rotation	Cam Style	Cam Fastener	Stock
K09ICP---001	5/8 [16]	chrome	hex nut	90° CW	any, see pages 370-371	screw-on	stock

- **NOTE**: cam is not included
- contact sales for custom options
- material: die cast zinc









MOUNTING DIMENSIONS

Bellcore Style Cam Latch

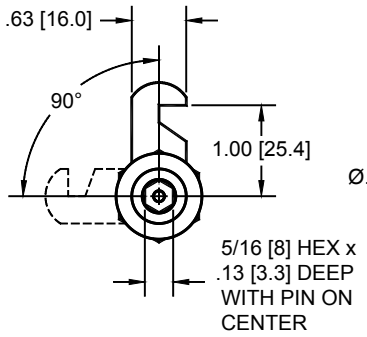
Base Part Number	Length L	Finish	Body Mounting	Rotation	Cam Style	Cam Fastener	Stock
K40ICP01	5/8 [16]	black electro-painted	hex nut	90°	for additional cam styles see pages 370-371	screw-on	stock

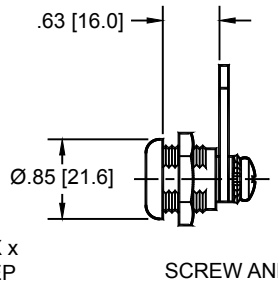
- material: die cast zinc
- hook cam included

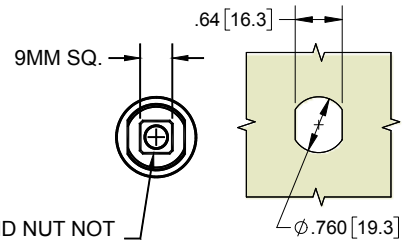
Hex Tool Key

part number	**392-K**

- sold separately





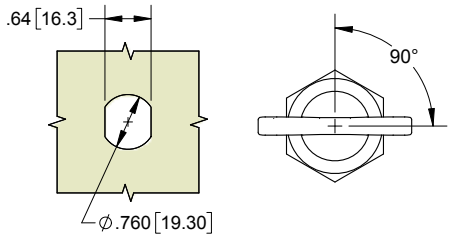


MOUNTING DIMENSIONS

Thumb-turn Cam Latch

Base Part Number	Length	Finish	Body Mounting	Rotation	Cam Style	Cam Fastener	Stock
K10ICP---001	5/8 [16]	chrome	hex nut	90°	any, see pages 370-371	screw-on	stock
K10OCP---001	7/8 [22]	chrome	hex nut	90°	any, see pages 370-371	screw-on	stock
K10TCP---001	1-1/8 [29]	chrome	hex nut	90°	any, see pages 370-371	screw-on	stock

- **NOTE**: cam is not included
- material: die cast zinc
- contact sales for custom options

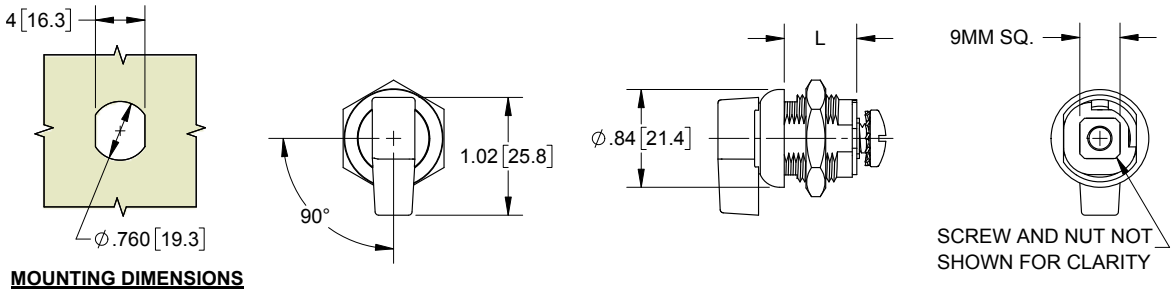


MOUNTING DIMENSIONS

Thumb-turn Cam Latch

Base Part Number	Length L	Finish	Body Mounting	Rotation	Cam Style	Cam Fastener	Stock
K50ICP---001	5/8	chrome	hex nut	90°	any, see pages 370-371	screw-on	stock
K50IBK---001	5/8	black electro-plated	hex nut	90°	any, see pages 370-371	screw-on	stock

- **NOTE**: cam is not included
- contact sales for custom options
- material: die cast zinc

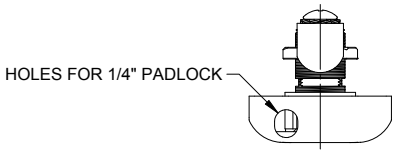


MOUNTING DIMENSIONS

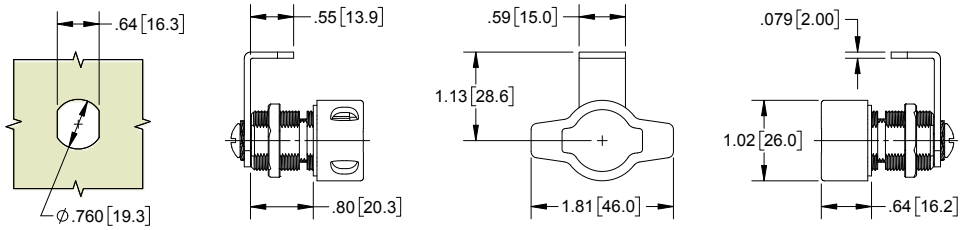
Padlockable Thumb-turn Cam Latch

Base Part Number	Length L	Finish	Body Mounting	Rotation	Cam Style	Cam Fastener	Stock
K17LBK01	20mm	black powder coated	hex nut	90°	includes cam. receiver only accepts 8mm cams	screw-on	stock

- material: die cast zinc

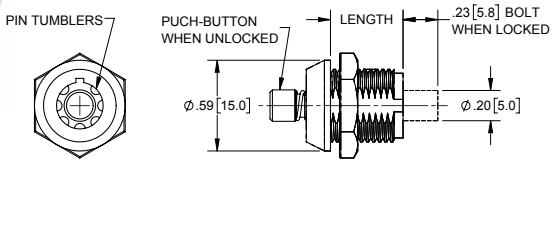


TOP VIEW



MOUNTING DIMENSIONS **LEFT SIDE VIEW** **FRONT VIEW** **RIGHT SIDE VIEW**

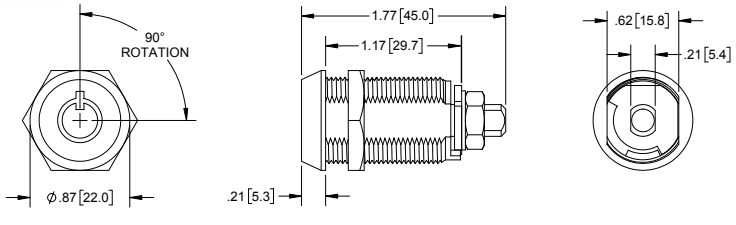
Mini Tubular Push Locks



Part Number	Material	Finish	Pin Tumblers	Length
K206CP01	die cast zinc	chrome	4 pins	10.0
K206CP02	die cast zinc	chrome	7 pins	12.0

- 360° rotation
- used for ad or display cases

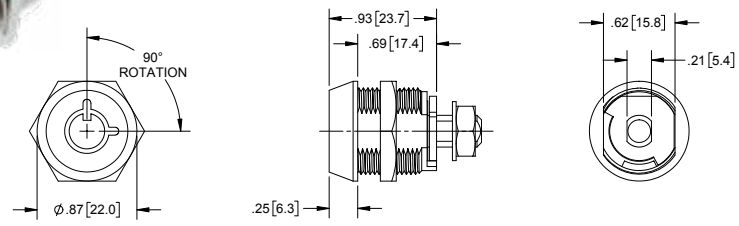
Brass Tubular Cam Lock



Part Number	Material	Finish	Key Code
K03PCP04	brass	chrome plated	K1161

- includes (2) steel, nickel plated ringed keys
- body nut and cam mounting nut are steel with zinc plated finish
- key removable in locked position only
- cam not included, see page 365 for cam selection

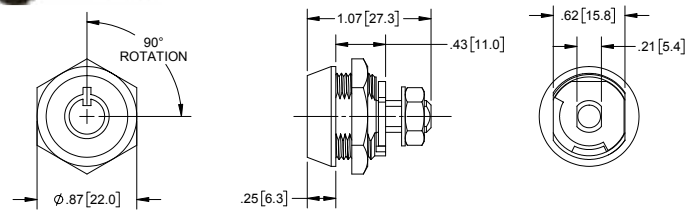
Brass Tubular Cam Lock



Part Number	Material	Finish	Key Code
K03PCP05	brass	chrome plated	1127B

- includes (2) steel, nickel plated ringed tubular keys
- body nut and cam mounting nut are steel with zinc plated finish
- cam not included, see page 365 for cam selection

Brass Tubular Cam Lock



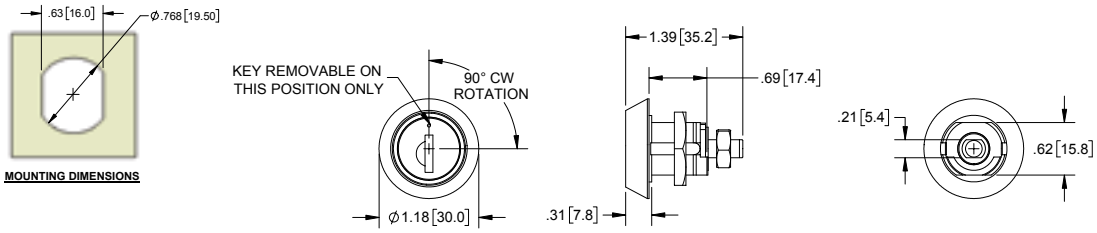
Part Number	Material	Finish	Key Code
K03PCP06	brass	chrome plated	1127A

- includes (2) steel, nickel plated ringed tubular keys
- body nut and cam mounting nut are steel with zinc plated finish
- key removable in locked position only
- short body for limited spaces
- cam not included, see page 365 for cam selection

Cam Lock

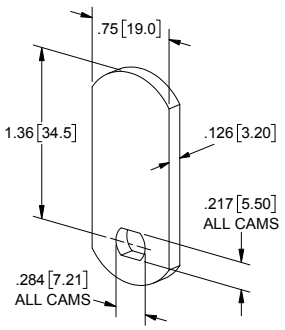
Part Number	Material	Finish
K03PCP08	brass	chrome plated

- key removable in locked position only
- cam not included, see page 365 for cam selection

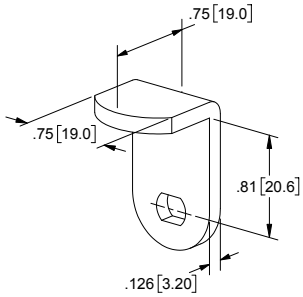


Cams

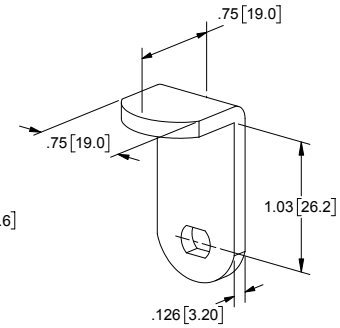
Part Number	Material	Finish
K03-CAM01	steel	zinc plated
K03-CAM02	steel	zinc plated
K03-CAM03	steel	zinc plated
K03-CAM04	steel	zinc plated
K03-CAM05	steel	zinc plated
K03-CAM06	steel	zinc plated
K03-CAM07	steel	zinc plated



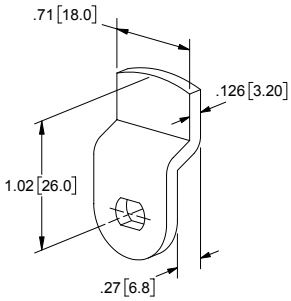
K03-CAM01



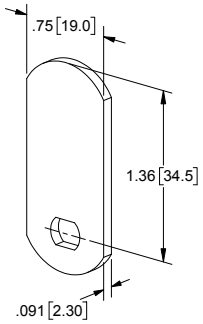
K03-CAM02



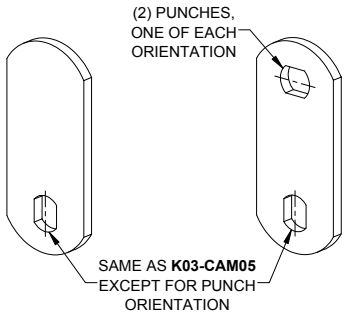
K03-CAM03



K03-CAM04

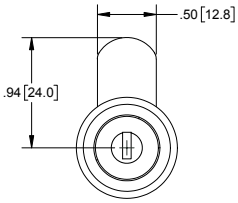


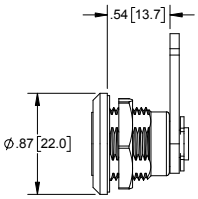
K03-CAM05

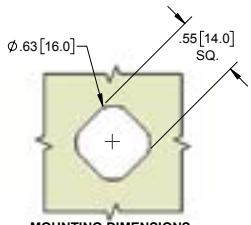


K03-CAM06 **K03-CAM07**

Cam Locks







MOUNTING DIMENSIONS

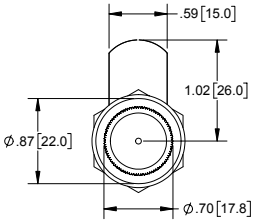
Part Number	Material	Finish
K201CP	die cast zinc	chrome
K201BK	die cast zinc	black textured powder coat

- key code 2233
- includes cam

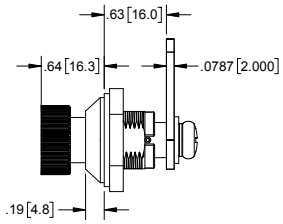
Push and Turn Knob Cam Lock

Part Number	Material	Finish
K05ICP50	die cast zinc	chrome plated

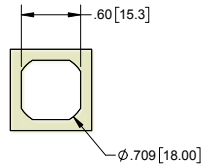
- includes cam



FRONT VIEW



RIGHT SIDE VIEW

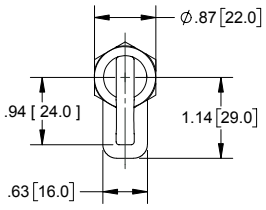


MOUNTING DIMENSIONS
PANEL THICKNESS
FOR .04[1.0] - .16[4.0]

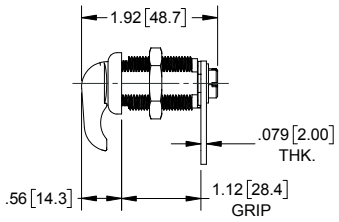
Thumb Turn Cam Lock

Part Number	Material	Finish
K21TNP01	die cast zinc	nickel plated

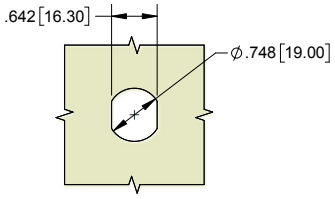
- includes cam



FRONT VIEW



RIGHT SIDE VIEW

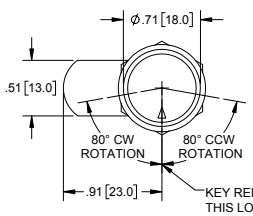


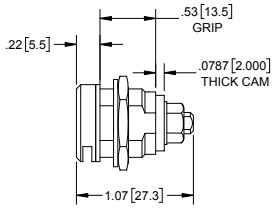
MOUNTING DIMENSIONS
FOR .04 [1.0] -.79 [20.0]
PANEL THICKNESS

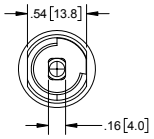
Cam Lock with Handle Key

Part Number	Material	Finish
K03PCP10	die cast zinc	chrome plated

- handle key material: die cast zinc with nickel plated finish
- includes cam
- key removable in locked position only
- concealed key hole for higher security







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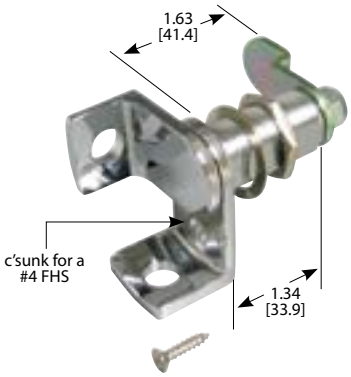
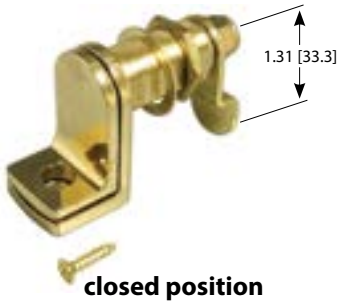
Padlocking Cylinder Latches

Part Number	Material	Finish
5901	die cast zinc	brass & lacquer
5902	die cast zinc	chrome
5903	die cast zinc	black e-coat

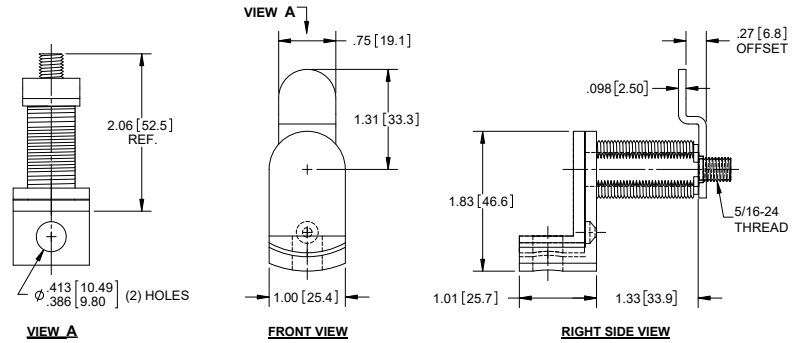
- accepts up to 3/8" padlock
- polybagged kit includes:
  - cylinder
  - offset cam
  - nylon lock nut
  - body nut
  - body washer



opened position



closed position

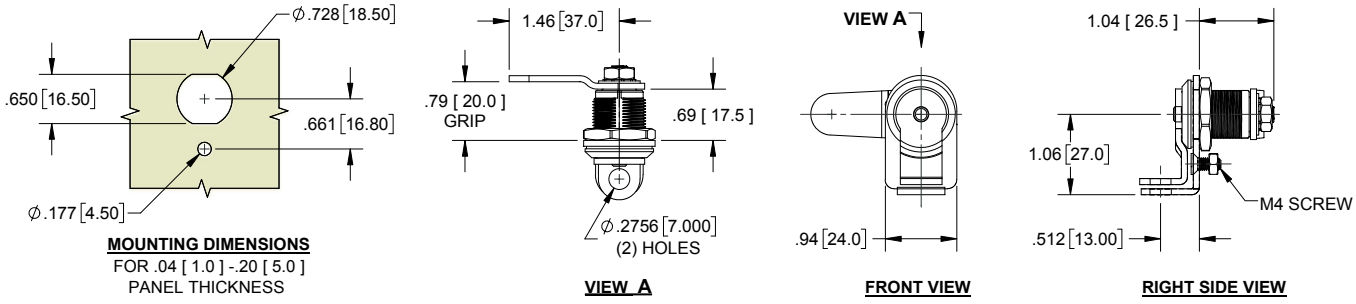


VIEW A | FRONT VIEW | RIGHT SIDE VIEW

Padlockable Cam Lock

Part Number	Material	Finish
K04OCH50	die cast zinc	chrome plated

- accepts up to 1/4" padlock
- includes cam, m4 mounting screw and nut



VIEW A | FRONT VIEW | RIGHT SIDE VIEW

Special Order Cam Locks

Custom Cam Lock Options to Keep in Mind When Ordering

(minimum order quantities may apply)

Finish Codes (select one)	☐ **BK** black painted	☐ **CP** chrome plated	☐ **SD** stainless steel head with dust shutter
	☐ **BL** black chrome	☐ **EC** e-coated	☐ **SS** stainless steel head
	☐ **BP** brass plated	☐ **NP** nickel plated	☐ **ZP** zinc plated
Key Removable In:	☐ both positions	☐ locked position only	☐ unlocked position only
Mounting Hardware	☐ hex nut	☐ clip	☐ spur washer ☐ trim ring
Rotation (see pg. 369 for options)	select a letter from A to Z _____		
Cam Style and Size	custom cam configurations available by special order see cam style and size on pages 370 - 371 _____		
Cam Attachment (see pg. 369)	☐ screw-on	☐ spun-on	
Other Requirements	☐ number of keys _____	☐ key code(s) _____	

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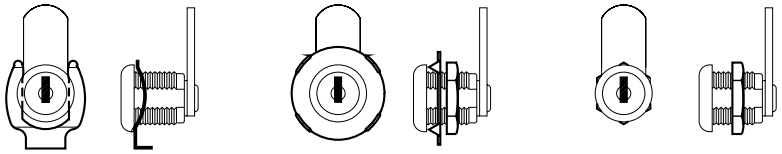
Cam Lock Information

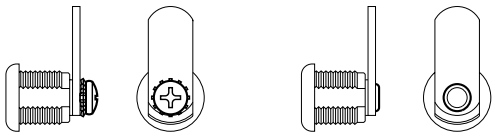
Standard Hardware Definitions

Mounting Hardware



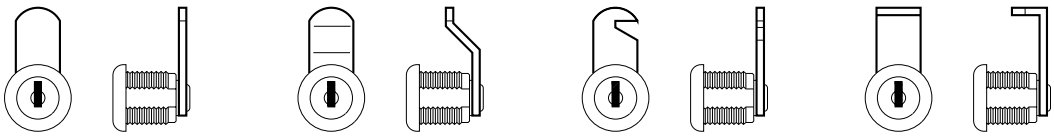
spring clip | hex nut and spur washer | hex nut without spur washer

Cam Attachments



screwed-on cam | spun-on cam (fixed)

Cam Styles



straight cam | offset cam | hook cam | 90° bent cam

- combinations of styles available by special order

Cam Rotation Options

Standard Cams

Key Removable in Locked and Unlocked Position				Key Removable in Locked Position Only	
A	B	C	D	S*	T
E	F	G	H	U*	V
J	K	L	M	W*	X
N	P	Q	R	Y*	Z

*These rotations are non-standard

Hook Cams

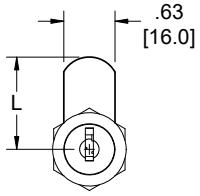
Key Removable in Locked and Unlocked Position				Key Removable in Locked Position Only	
A	B	C	D	S*	T
E	F	G	H	U*	V
J	K	L	M	W*	X
N	P	Q	R	Y*	Z

*These rotations are non-standard

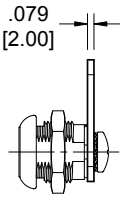
- **NOTE:** illustrations assume key inserted with teeth pointing upward with flats on lock body at the sides

9mm Straight and Offset Cams

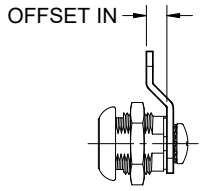
Front View



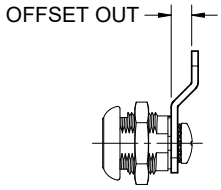
Straight Cam



Offset In Cam



Offset Out Cam



Dimension L	Straight	Offset Dimensions				
		.063 [1.60]	.125 [3.18]	.188 [4.76]	.250 [6.35]	.375 [9.53]
.563 [14.30]	KC100	---	---	---	---	---
.625 [15.88]	KC101	---	---	---	---	---
.688 [17.48]	KC102	---	---	---	---	---
.750 [19.05]	KC103*	---	---	---	---	---
.813 [20.65]	KC104	---	---	---	---	---
.875 [22.23]	KC105*	KC404	KC429	KC454	KC479*	---
.938 [23.83]	KC106	KC405*	KC430	KC455	KC480	---
1.000 [25.40]	KC107*	KC406	KC431	KC456*	KC481*	---
1.063 [27.00]	KC108	KC407	KC432	KC457	KC482	KC147
1.125 [28.58]	KC109*	KC408	KC433	KC458	KC483	KC148
1.188 [30.18]	KC110*	KC409	KC434	KC459*	KC484	KC149
1.250 [31.75]	KC111*	KC410*	KC435*	KC460*	KC485*	KC150*
1.313 [33.35]	KC112	KC411	KC436	KC461	KC486	KC151
1.375 [34.93]	KC113	KC412	KC437	KC462	KC487	KC152*
1.438 [36.53]	KC114	KC413	KC438	KC463	KC488	KC153
1.500 [38.10]	KC115*	KC414*	KC439*	KC464*	KC489*	KC154*
1.563 [39.70]	KC116	KC415	KC440	KC465*	KC490	KC155
1.625 [41.28]	KC117	KC416	KC441	KC466	KC491	KC156
1.688 [42.88]	KC118	KC417	KC442	KC467	KC492	KC157
1.750 [44.45]	KC119*	KC418*	KC443*	KC468*	KC493*	KC158*
1.813 [46.05]	KC120	KC419	KC444	KC469	KC494	KC159
1.875 [47.63]	KC121	KC420	KC445	KC470	KC495	KC160
1.938 [49.23]	KC122	KC421	KC446	KC471	KC496	KC161
2.000 [50.80]	KC123*	KC422*	KC447*	KC472*	KC497*	KC162*
2.063 [52.40]	KC124*	---	---	---	---	---
2.125 [53.98]	KC125	---	---	---	---	---
2.188 [55.58]	KC126	---	---	---	---	---
2.250 [57.15]	KC127*	---	---	---	---	---
2.313 [58.75]	KC128	---	---	---	---	---
2.375 [60.33]	KC129	---	---	---	---	---
2.438 [61.93]	KC130	---	---	---	---	---
2.500 [63.50]	KC131*	---	---	---	---	---

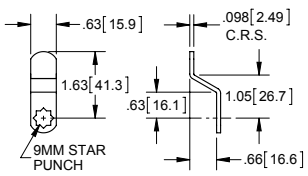
- steel, zinc plated
- may have a square or star punch

- * these cams are stock items

Miscellaneous Cams

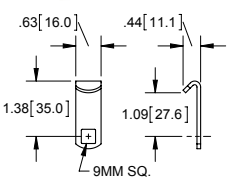
Part Number	Material	Finish
KC010*	steel	zinc plated

Offset Cam



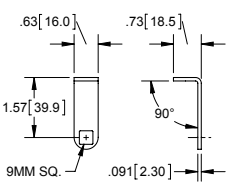
Part Number	Material	Finish
KC030	steel	zinc plated

Bent Cam



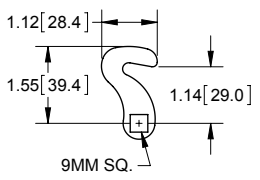
Part Number	Material	Finish
KC900	steel	zinc plated

Bent Cam



Part Number	Material	Finish
KC006*	.118 [3] steel	zinc plated

Hook Cam
Straight



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9mm Straight and Offset Cams

Hook Right - Part Numbers By Length and Offset

Dimension H	Straight	Offset Dimensions									
		.063 [1.60]		.125 [3.18]		.188 [4.76]		.250 [6.35]		.375 [9.53]	
		In	Out	In	Out	In	Out	In	Out	In	Out
.625 [15.88]	KC201*	---	---	---	---	---	---	---	---	---	---
.688 [17.48]	KC202	KC601	KC801	---	---	---	---	---	---	---	---
.750 [19.05]	KC203	KC602	KC802	KC627	KC827	---	---	---	---	---	---
.813 [20.65]	KC204	KC603	KC803	KC628	KC828	KC653	KC853	KC678	KC878	---	---
.875 [22.23]	KC205	KC604	KC804	KC629	KC829	KC654	KC854	KC679	KC879	---	---
.938 [23.83]	KC206	KC605	KC805	KC630	KC830	KC655	KC855	KC680	KC880	---	---
1.000 [25.40]	KC207*	KC606	KC806	KC631	KC831*	KC656	KC856	KC681	KC881	KC246	KC346
1.063 [27.00]	KC208	KC607	KC807	KC632	KC832	KC657	KC857	KC682	KC882	KC247	KC347
1.125 [28.58]	KC209*	KC608	KC808	KC633	KC833	KC658	KC858	KC683	KC883	KC248	KC348
1.188 [30.18]	KC210	KC609	KC809	KC634	KC834	KC659	KC859	KC684	KC884	KC249	KC349
1.250 [31.75]	KC211*	KC610	KC810	KC635	KC835	KC660	KC860	KC685	KC885	KC250	KC350
1.313 [33.35]	KC212	KC611	KC811	KC636	KC836	KC661*	KC861*	KC686	KC886	KC251	KC351
1.375 [34.93]	KC213	KC612	KC812	KC637*	KC837	KC662	KC862	KC687	KC887	KC252	KC352
1.438 [36.53]	KC214	KC613	KC813	KC638	KC838	KC663	KC863	KC688	KC888	KC253	KC353
1.500 [38.10]	KC215*	KC614	KC814	KC639	KC839	KC664	KC864	KC689	KC889	KC254	KC354
1.563 [39.70]	KC216*	KC615	KC815	KC640	KC840	KC665	KC865	KC690	KC890	KC255	KC355
1.625 [41.28]	KC217	KC616	KC816	KC641	KC841	KC666	KC866	KC691	KC891	KC256	KC356
1.688 [42.88]	KC218	KC617	KC817	KC642	KC842	KC667	KC867	KC692	KC892	KC257	KC357
1.750 [44.45]	KC219	KC618	KC818	KC643	KC843	KC668	KC868	KC693	KC893	KC258	KC358

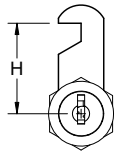
- * these cams are stock items
- straight cams are reversible

Hook Left - Part Numbers By Length and Offset

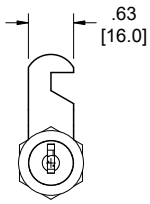
Dimension H	Straight	Offset Dimensions									
		.063 [1.60]		.125 [3.18]		.188 [4.76]		.250 [6.35]		.375 [9.53]	
		In	Out	In	Out	In	Out	In	Out	In	Out
.625 [15.88]	KC301	---	---	---	---	---	---	---	---	---	---
.688 [17.48]	KC302	KC801	KC601	---	---	---	---	---	---	---	---
.750 [19.05]	KC303*	KC802	KC602	KC827	KC627	---	---	---	---	---	---
.813 [20.65]	KC304	KC803	KC603	KC828	KC628	KC853	KC653	KC878	KC678	---	---
.875 [22.23]	KC305	KC804	KC604	KC829	KC629	KC854	KC654	KC879	KC679	---	---
.938 [23.83]	KC306	KC805	KC605	KC830	KC630	KC855	KC655	KC880	KC680	---	---
1.000 [25.40]	KC307	KC806	KC606	KC831*	KC631	KC856	KC656	KC881	KC681	KC346	KC246
1.063 [27.00]	KC308	KC807	KC607	KC832	KC632	KC857	KC657	KC882	KC682	KC347	KC247
1.125 [28.58]	KC309	KC808	KC608	KC833	KC633	KC858	KC658	KC883	KC683	KC348	KC248
1.188 [30.18]	KC310	KC809	KC609	KC834	KC634	KC859	KC659	KC884	KC684	KC349	KC249
1.250 [31.75]	KC311	KC810	KC610	KC835	KC635	KC860	KC660	KC885	KC685	KC350	KC250
1.313 [33.35]	KC312	KC811	KC611	KC836	KC636	KC861*	KC661*	KC886	KC686	KC351	KC251
1.375 [34.93]	KC313	KC812	KC612	KC837	KC637*	KC862	KC662	KC887	KC687	KC352	KC252
1.438 [36.53]	KC314	KC813	KC613	KC838	KC638	KC863	KC663	KC888	KC688	KC353	KC253
1.500 [38.10]	KC315	KC814	KC614	KC839	KC639	KC864	KC664	KC889	KC689	KC354	KC254
1.563 [39.70]	KC316	KC815	KC615	KC840	KC640	KC865	KC665	KC890	KC690	KC355	KC255
1.625 [41.28]	KC317	KC816	KC616	KC841	KC641	KC866	KC666	KC891	KC691	KC356	KC256
1.688 [42.88]	KC318	KC817	KC617	KC842	KC642	KC867	KC667	KC892	KC692	KC357	KC257
1.750 [44.45]	KC319	KC818	KC618	KC843	KC643	KC868	KC668	KC893	KC693	KC358	KC258

- * these cams are stock items
- straight cams are reversible

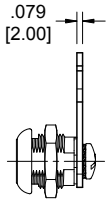
Front View - Hook Left



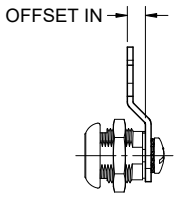
Front View - Hook Right



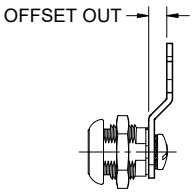
Straight Cam



Offset In Cam

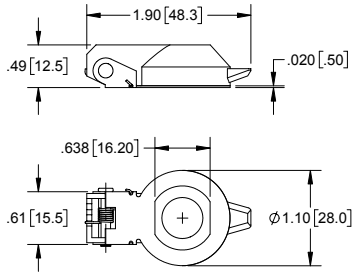


Offset Out Cam



- steel, zinc plated
- may have a square or star punch

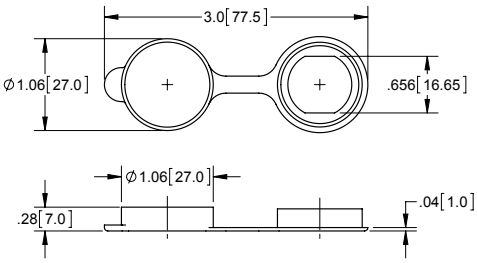
Cam Lock Dust Cover



Part Number	Finish
K220	chrome

- protects cam lock from dirt and water
- spring loaded lid keeps itself closed
- stamped stainless steel/zinc die cast construction

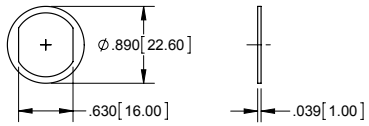
Plastic Cam Lock Dust Cover



Part Number	Finish
K221	black

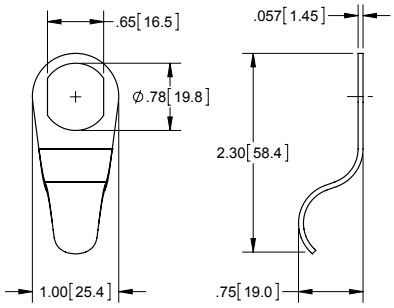
- durable thermoplastic

Neoprene Gasket



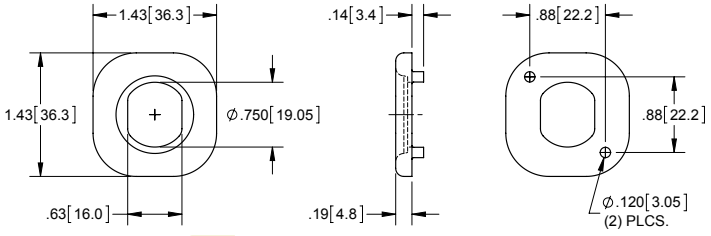
Part Number	Finish
K04G	black

Cam Lock Finger Pull



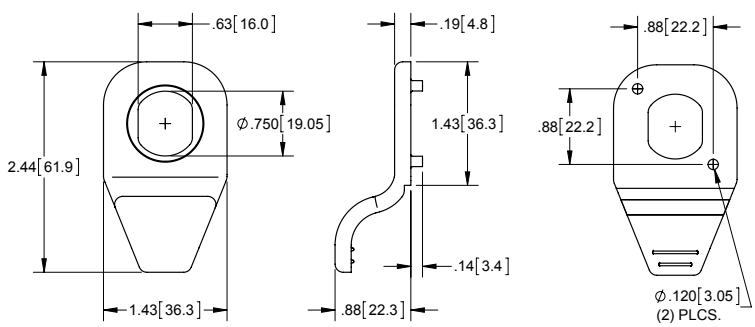
Part Number	Material	Finish
KH34SS	304SS	tumbled

Plastic Cam Lock Base UV



Part Number	Material	Finish
KH36PW	UV stable polycarbonate	polar white
KH36NW	UV stable polycarbonate	new white

Plastic Cam Lock Finger Pull UV



Part Number	Material	Finish
KH35PW	UV stable polycarbonate	polar white
KH35NW	UV stable polycarbonate	new white

Component Parts

Trim Ring

Part Number	Material	Outside Dia.	Height	Finish
KH02NP	steel	1.13 [28.6]	.087 [2.21]	nickel plated
KH02CP	steel	1.13 [28.6]	.087 [2.21]	chrome plated
KH02BP	steel	1.13 [28.6]	.087 [2.21]	brass plated
KH02SS	304SS	1.13 [28.6]	.087 [2.21]	tumbled & polished

- fits behind head of standard 3/4 [19] diameter lock

Mounting Clip

Part Number	Material	Finish
KH20	spring steel	nickel plated

- holds lock in place instead of a hex nut for quicker installation
- for standard cam locks

Washer

Part Number	Material	Outside Dia.	Thickness	Finish
KH04	steel	1.05 [26.6]	.031 [.79]	zinc plated

- fits standard 3/4 [19] diameter lock with two flats

Mounting Clip

Part Number	Material	Finish
KH23	spring steel	zinc plated

- holds lock in place instead of a hex nut for quicker installation
- for standard cam locks
- low profile

Stainless Steel 4-Prong Spur Washer

Part Number	Material	Outside Dia.	Thickness	Finish
KH31SS	304SS	1.00 [25.4]	.051 [1.19]	mill

- fits standard 3/4 [19] diameter lock with two flats
- recommended for wood applications

90° Reversible Stop Washer

Part Number	Finish
KH40	zinc plated

- reverses for clockwise or counterclockwise operation

4-Prong Spur Washer

Part Number	Material	Outside Dia.	Thickness	Finish
KH32	steel	1.31 [33.3]	.03 [.79]	clear zinc

- fits standard 3/4 [19] diameter lock with two flats
- recommended for wood applications

180° Reversible Stop Washer

Part Number	Finish
KH42	zinc plated

- reverses for clockwise or counterclockwise operation

Body Nuts

Part Number	Wrench Size	Thickness	Finish
KH10	.88 [22.2]	.172 [4.37]	nickel plated
KH11	1.00 [25.4]	.359 [9.13]	nickel plated
KH12	.88 [22.2]	.141 [3.57]	zinc plated

- material: die cast zinc
- fits standard 3/4 [19] diameter locks
- 3/4" - 24 thread

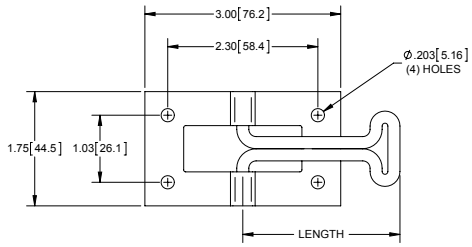
Cam Mounting Screw

Part Number	Finish
KH50	zinc plated

- for locks with screw-on cam
- 1/4-20 UNC thread
- .23 [6.0] long
- Phillips head

Wire Door Holders

female dimensions are the same as male overall dimensions.

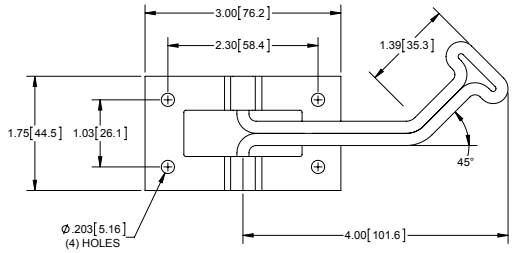


Part Number	Length	Material	Finish
601SS03	2.5 [64]	304SS	electropolished
601	4 [102]	steel	zinc plated
601SS	4 [102]	304SS	electropolished
609ZN	6 [152]	steel	zinc plated
609SS	6 [152]	304SS	electropolished

- parts include female receiver

45° Wire Door Holders

female dimensions are the same as male overall dimensions.

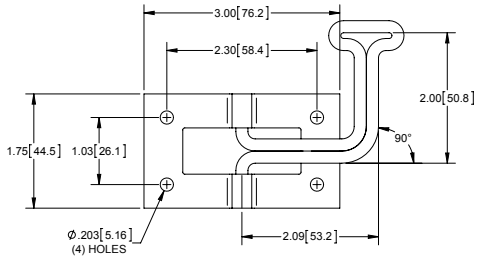


Part Number	Length	Material	Finish
60202	4 [102]	steel	zinc plated

- part includes female receiver

90° Wire Door Holders

female dimensions are the same as male overall dimensions.



Part Number	Length	Material	Finish
602	2 [51]	steel	zinc plated
602SS	2 [51]	304SS	electropolished

- parts include female receiver

Wire Door Holder and Female Keeper with Stop Feature

NOTE: part dimensions are the same as part no. **601SS** above.

female dimensions are the same as male overall dimensions.

Plastic Base
part no. **P1016**

Part Number	Length	Material	Finish
603SS	4 [102]	304SS	electropolished

- part includes female receiver
- stop feature holds the wire bail in the female receiver; bail cannot pop out without being manually released

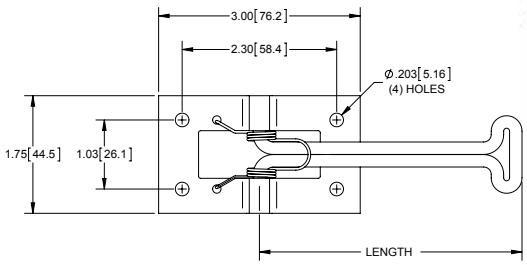
Plastic Base

Part Number	Description
P1016	plastic base for all male and female wire door holders

Spring Loaded Wire Door Holders

Part No.	Length	Material	Finish
60101*	4 [102]	steel	zinc plated
601SS01	4 [102]	304SS	electropolished
603SS01	4 [102]	304SS includes female receiver with stop feature	electropolished
603SS02	6 [152]	304SS includes female receiver with stop feature	electropolished

- parts include female receiver
- female receiver with stop feature may be purchased separately as part no. **603SS03**; see pg. 374 for close-up
- spring loaded bail to prevent rattle
- * non-stock

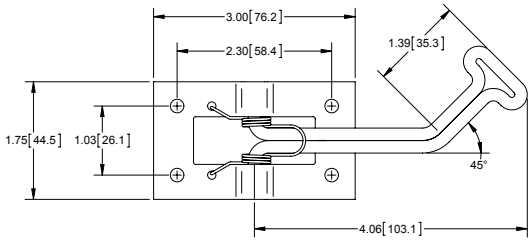


female dimensions are the same as male overall dimensions.

Spring Loaded 45° Wire Door Holders

Part Number	Length	Material	Finish	Description
60202SS01	4 [102]	304SS	electropolished	right hand holder
NEW **60202SS05**	4 [102]	304SS	electropolished	left hand holder

- part includes female receiver
- spring loaded bail to prevent rattle

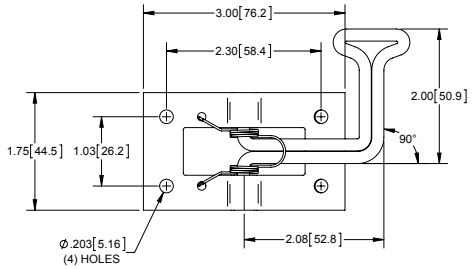


female dimensions are the same as male overall dimensions.

Spring Loaded 90° Wire Door Holders

Part Number	Length	Material	Finish
60201*	2 [51]	steel	zinc plated
602SS01	2 [51]	304SS	electropolished

- parts include female receiver
- spring loaded bail to prevent rattle
- * non-stock

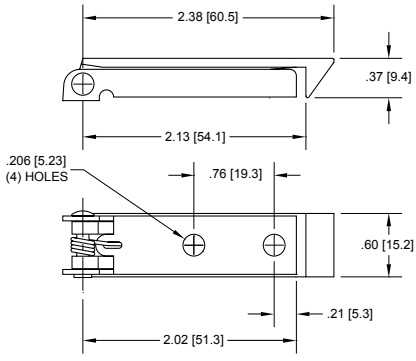


female dimensions are the same as male overall dimensions.

Baggage Door Catch

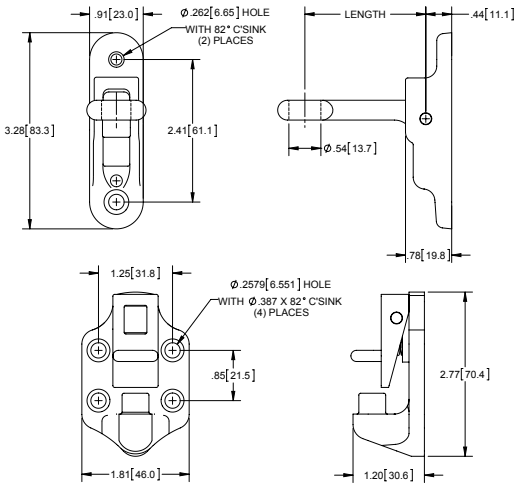
Part Number	Description	Finish
625	die cast zinc pull	silver paint
	18 gauge 304SS base	mill

- spring loaded (stainless steel spring)



Two-Piece Aluminum Door Hold-Backs

620-01 shown



NOTE: the 622-Series has a spring loaded arm to keep it from rattling

No Spring Kits

Part Number	Length	Finish
620	2.00 [50.8]	tumbled polished
620-01	4.00 [101.6]	tumbled polished
620-03	6.00 [152.4]	tumbled polished
620-07	10.00 [254.0]	tumbled polished
620BK	2.00 [50.8]	black e-coated
620BK-01	4.00 [101.6]	black e-coated
620BK-03	6.00 [152.4]	black e-coated
620BK-07	10.00 [254.0]	black e-coated

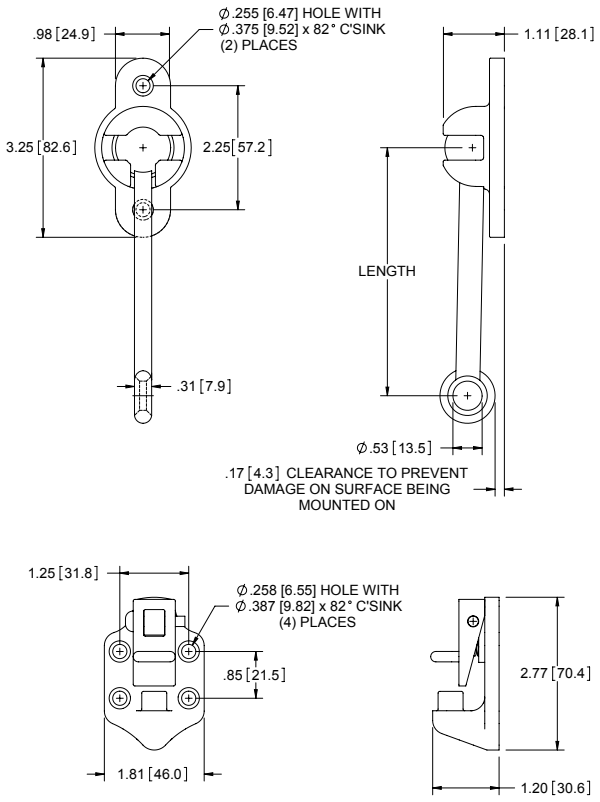
- two-piece kits are packaged inside a sealed polybag
- 300 series stainless steel pins

Spring Loaded Kits

Part Number	Length	Finish
622	2.00 [50.8]	tumbled polished
622-01	4.00 [101.6]	tumbled polished
622-03	6.00 [152.4]	tumbled polished
622-07	10.00 [254.0]	tumbled polished

Three-Piece Aluminum Ball and Socket Door Hold-Backs

621-01 shown



Part Number	Length	Finish
621	2.00 [50.8]	black e-coated
621P	2.00 [50.8]	tumbled polished
621-01	4.50 [114.3]	black e-coated
621P-01	4.50 [114.3]	tumbled polished
621-03	6.00 [152.4]	black e-coated
621P-03	6.00 [152.4]	tumbled polished
621-07	10.00 [254.0]	black e-coated
621P-07	10.00 [254.0]	tumbled polished

- three-piece kits are packaged inside a sealed polybag
- 300 series stainless steel pins

UV Plastic Door Holders

Features
made of UV resistant high impact flexible plastic
will not damage surface when mounted

3.50 [88.9] Door Holders

Part Number	Length	Color
624BK	3.50 [88.9]	black
624G	3.50 [88.9]	gray
624PW	3.50 [88.9]	pure white

5.50 [139.7] Door Holders

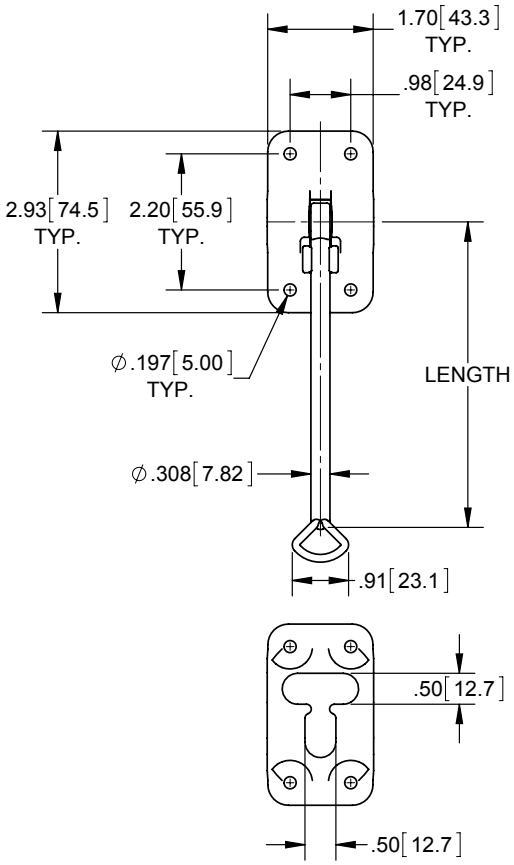
Part Number	Length	Color
626BK	5.50 [139.7]	black
626G	5.50 [139.7]	gray
626PW	5.50 [139.7]	pure white

7.50 [190.5] Door Holders

Part Number	Length	Color
628BK	7.50 [190.5]	black
628G	7.50 [190.5]	gray
628PW	7.50 [190.5]	pure white

9.50 [241.3] Door Holders

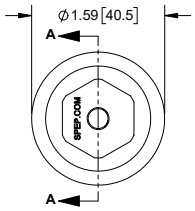
Part Number	Length	Color
630BK	9.50 [241.3]	black
630G	9.50 [241.3]	gray
630PW	9.50 [241.3]	white



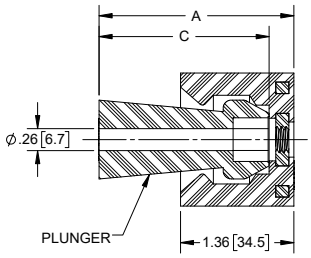
Plunger & Socket Door Holder

Part Number	Dim A	Dim B	Dim C	Plunger Material	Socket Material	Description
639	2.3 [59]	2.6 [65]	2.04 [51.8]	black plastic	black rubber with steel insert	long plunger
NEW **639-01**	1.4 [35]	1.6 [40]	1.06 [27.0]			short plunger

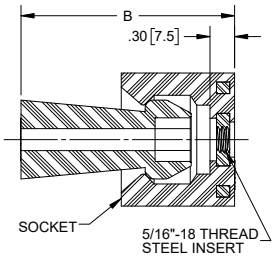
- adjustable socket increases holding capacity by tightening mounting screw
- screw not included



TOP VIEW



SECTION A-A
ALL THE WAY IN

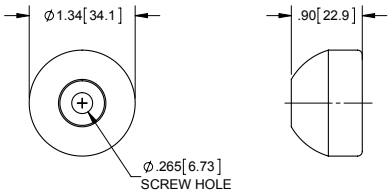


SECTION A-A
JUST IN

639

NEW 639-01

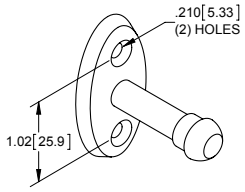
Female Door Sockets

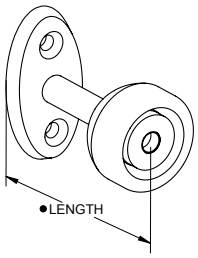


Part Number	Description	Finish
600	nylon socket insert	white
600BK	nylon socket insert	black

- adjustable socket increases holding capacity by tightening mounting screw
- screw not included

Male Door Holders

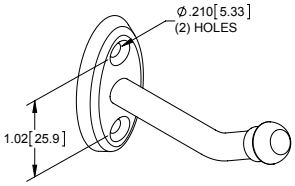


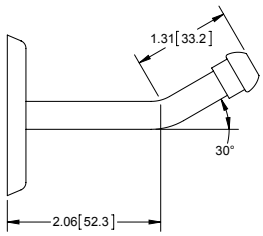


Part Number	Description	Finish
604ZN	1.5 [38.1] steel	zinc plated
604SS	1.5 [38.1] 304SS	polished
605ZN	2.5 [63.5] steel	zinc plated
605SS	2.5 [63.5] 304SS	polished
606ZN	3.5 [88.9] steel	zinc plated
606SS	3.5 [88.9] 304SS	polished
607ZN	4.5 [114.3] steel	zinc plated
607SS	4.5 [114.3] 304SS	polished

- male holder and female socket sold separately
- length determined in assembled state

Male Door Holders with 30° Offset

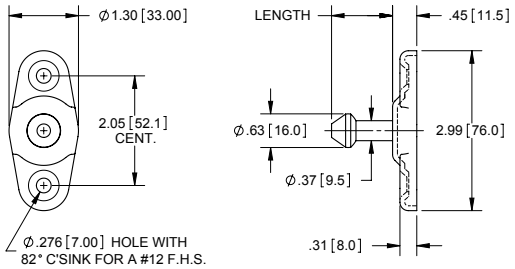




Part Number	Description	Finish
611SS	3.5 [88.9] 304SS with 30° offset	polished

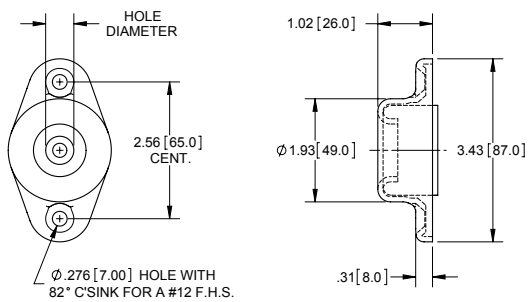
- length determined in assembled state

Plunger & Socket Door Holder



Male Door Holder Plungers

Part No.	Description	Length	Finish
613ZN	1-5/8" steel	1.14 [29.0]	zinc plated
614ZN	2-1/8" steel	1.65 [41.9]	zinc plated
615ZN	2-5/8" steel	2.24 [56.9]	zinc plated
616ZN	3-1/8" steel	2.72 [69.1]	zinc plated



Female Door Holder Socket

Part No.	Description	Length	Finish
619	tight fit socket	.528 [13.41]	zinc plated

Tie Down Information

Load capacities are based upon static tensile pull testing under controlled laboratory conditions at room temperature and when the product is new. Unusual conditions such as extreme high and low temperatures, chemical exposure, constant exposure to salt water, placement along sharp edges, etc. need to be considered in product selection and may necessitate a reduction of rated load capacities.

Ultimate Breaking Strength (UBS), also known as Minimum Breaking Strength (MBS), Minimum Breaking Load (MBL), Breaking Load Capacity (BLC), Breaking Strength Capacity (BSC) or Rated Load Capacity (RLC), is the load a complete assembly can withstand before failure. Do not use Ultimate Breaking Strength (UBS) as a criterion for service or design purposes. Refer to the Working Load Limit (WLL).

Working Load Limit (WLL) is the maximum load which should ever be applied to a product under normal usage. Safety factor is the ratio between the Ultimate Breaking Strength (UBS) and the Working Load Limit (WLL). The minimum acceptable safety factor for any application is 3 [Working Load Limit (WLL) 1/3 of the Ultimate Breaking Strength (UBS)] but can often be 4 or greater depending on the circumstances. Ratings are generally established and/or regulated by local, state, federal, industrial, and/or trade association legislative standards and may vary from industry to industry (ex: DOT, CVSA/FHWA, CHP, Federal Motor Carrier Safety Regulations 49CFR39.102).

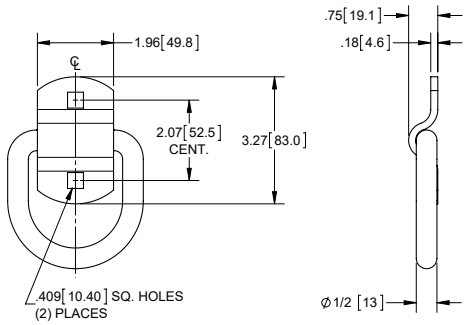
Tie downs are not designed to be used as a lifting device. A tie down system is only as strong as its weakest link. For adequate safety protection, components attached to the product must be of equal or greater strength. The mounting location must be capable of supporting at least 15% more than the Ultimate Breaking Strength (UBS) of the rated component. Unless otherwise specified, avoid side loading. Load should be applied uniformly as a straight line pull only. Load direction other than straight may result in a significant reduction in rated load capacities.

It is the user's responsibility to determine suitability of a product for any particular use (including but not limited to amount, type, capacity, and location of tie down assemblies) with the information that is provided in this catalog. Alterations, age, wear, and/or damage to any tie down system can reduce its capacity rating. All products should be inspected on a regular basis. Any worn, deformed, mis-used or overloaded products should be replaced immediately.

Forged Tie Downs

Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
866	forged steel	mill	4,000	12,000
866ZN	forged steel	zinc plated	4,000	12,000

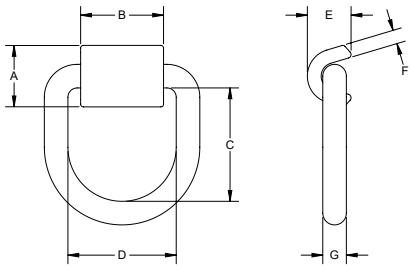
- parts shipped unassembled inside a sealed polybag



Forged Tie Downs

Part Number	A	B	C	D	E	F	Ø G	Material	Finish	WLL (lbs.)	UBS (lbs.)
866-10	1.3 [34]	1.8 [46]	3.5 [89]	3.4 [86]	.95 [24]	.30 [8]	½ [13]	forged steel	mill	4,000	12,000
867	1.6 [41]	2.5 [63]	4.3 [110]	4.3 [110]	1.15 [29]	.37 [9.5]	⅝ [16]			6,000	19,000
868	1.8 [46]	2.5 [63]	4.5 [114]	4.5 [114]	1.26 [32]	.37 [9.5]	¾ [19]			9,000	26,500
869	1.97 [50.0]	2.5 [63]	5.0 [127]	5.0 [127]	1.46 [37]	.37 [9.5]	1 [25]			15,600	47,000
870	1.97 [50.0]	2.5 [63]	6.0 [151]	5.0 [127]	1.46 [37]	.37 [9.5]	1 [25]			15,600	46,800

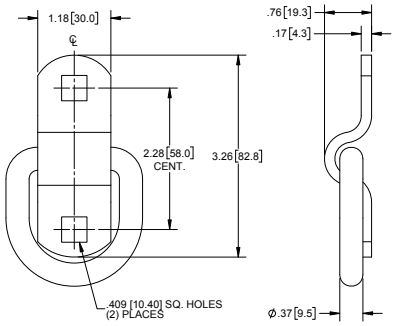
- parts shipped unassembled inside a sealed polybag



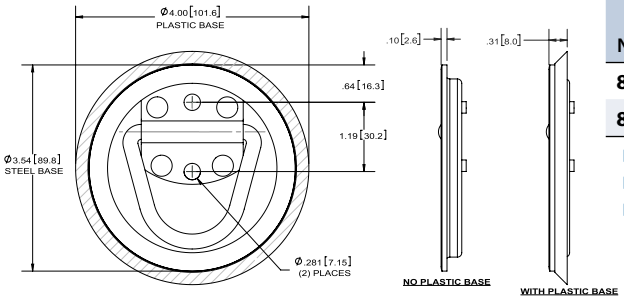
Stainless Steel Tie Down

Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
864SS	stainless steel	mill	1,700	5,100

- shipped unassembled inside a sealed polybag



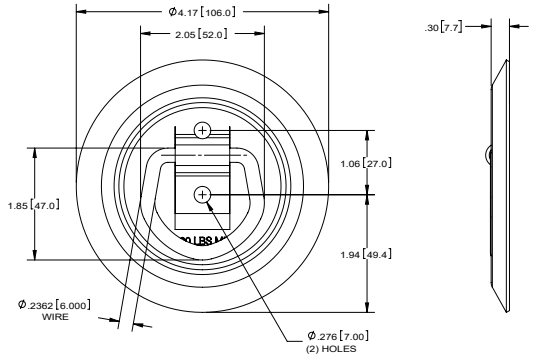
Tie Down Rings



Part Number	Material	Finish	Plastic Base	WLL (lbs.)	UBS (lbs.)
858	steel	zinc plated	yes	400	1,200
858-01	steel	zinc plated	no	400	1,200

- black plastic base is not included with part no. **858-01**
- Ø.250 [6.35] steel D-ring
- .063 [1.60] thick base and D-ring holder

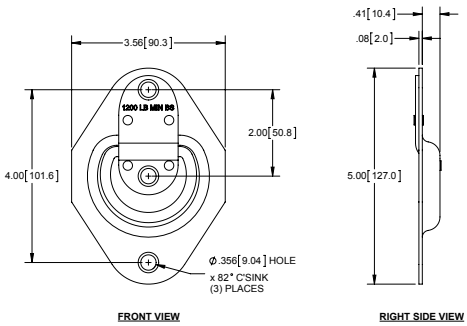
Tie Down Ring



Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
863ZN	steel	zinc plated	400	1,200

- .059 [1.50] thick base

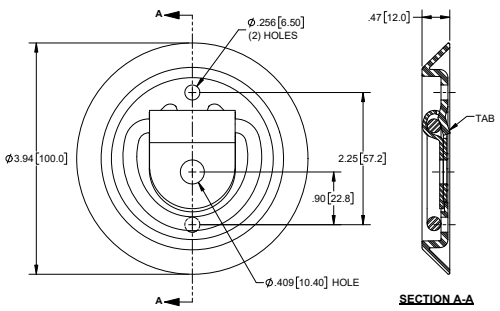
Tie Down Ring



Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
856	steel	zinc plated	400	1,200

- Ø.236 [6.00] wire
- .079 [2.00] thick base and wire holder

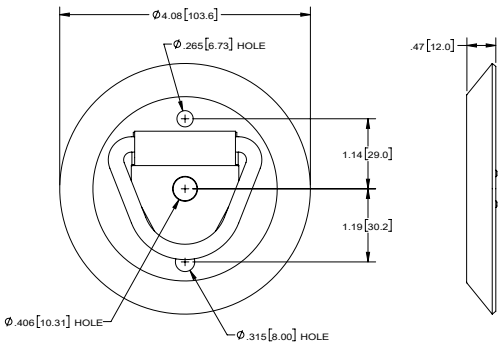
Tie Down Ring



Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
858-05	steel	zinc plated	400	1,200

- black plastic base
- tab on plastic base provides a snug fit that prevents ring from rattling and holds it in place at any position
- Ø.236[6.00] steel D-ring
- .059[1.50] thick D-ring holder

Tie Down Ring



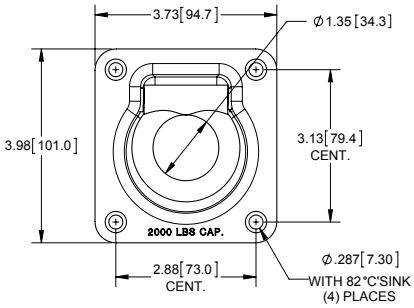
Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
857	steel/plastic	zinc plated	600	1,800

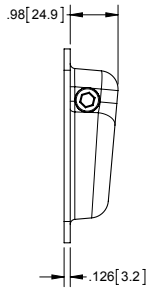
- black plastic base
- Ø.250 [6.35] steel D-ring
- .059 [1.50] thick D-ring holder
- D-ring assembly can be purchased separately as part number **857-01**

Tie Down Rings

Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
891ZN	steel	zinc plated	650	2,000
891SS	304SS	mill	650	2,000
891M	steel	mill	650	2,000

- Ø.433 [11.00] thick ring
- .126 [3.20] thick base





Tie Down Rings

Part Number	Material	Finish	Holes	WLL (lbs.)	UBS (lbs.)
890ZN	steel	zinc plated	Ø.406 [10.31]	2,000	6,000
890ZN-01	steel	zinc plated	.391 [9.93] sq.	2,000	6,000
890SS-01	304SS	passivated	.391 [9.93] sq.	2,000	6,000

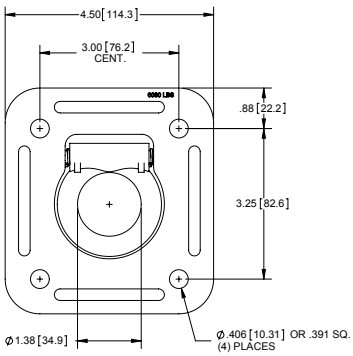
- Ø.433 [11.00] thick ring
- .118 [3.00] thick base

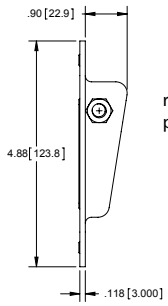
Back Support Plate

Part No. 890BP

back support for:
890ZN and **890ZN-01**

- material: steel
- finish: zinc plated
- size: 6.50 [165.1] sq. x .098 [2.50] thick





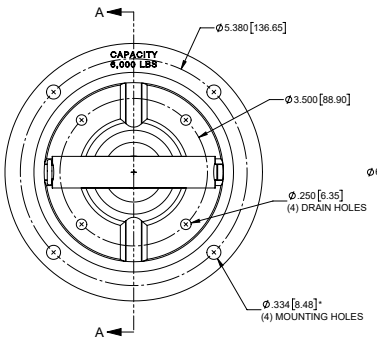
round holes
part no. **890ZN**

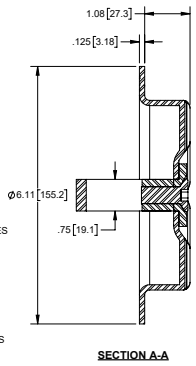
sq. holes
part no. **890ZN-01**

Tie Down Rings

Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
895	steel	zinc plated	2,000	6,000
895SS	304SS	electropolished	2,000	6,000
895M*	steel	mill (pan only)	2,000	6,000
895M-01*	steel	mill	2,000	6,000

- .250 [6.35] thick ring
- .125 [3.18] thick base
- *parts no. **895M** and **895M-01** do not have mounting holes

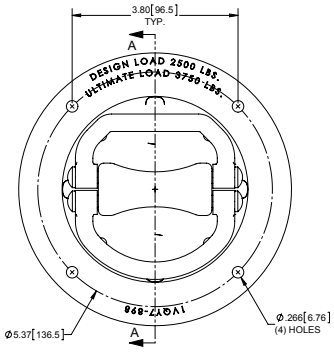


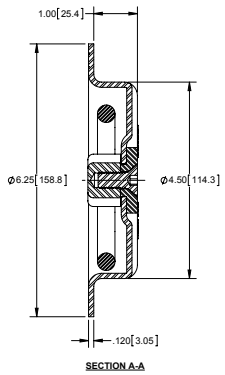


PAT. Tie Down Ring

Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
898	steel	zinc plated	1,250	3,750

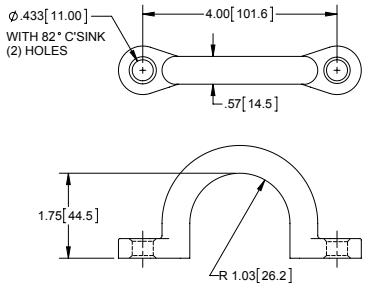
- Ø.400 [10.16] thick forged rings
- .120 [3.05] thick base





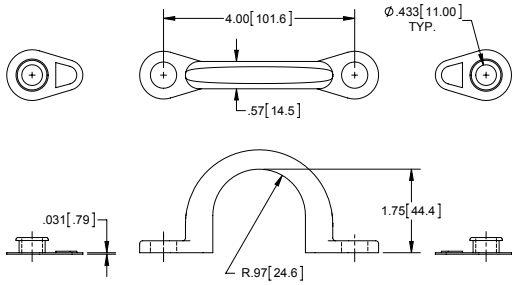
patented

Tie Off Rings



Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
880	aluminum casting	tumbled	500	1,500
880-01	aluminum casting	polished	500	1,500

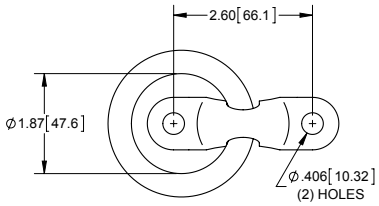
Tie Off Rings with Groove



Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
880SS-02	304SS	tumbled	3,500	10,500
880SS*	304SS	tumbled	3,500	10,500

- part no. **880SS-02** is shipped with (2) rubber gaskets
- * part no. **880SS** does not include gaskets

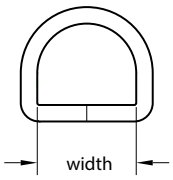
Two Piece Tie Off Ring



Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
885-01	aluminum	polished	350	1,100

- Ø.438 [11.13] ring thickness

D-Rings



Part Number	Wire Dia.	Width	Material	Finish
D127	.236 [6.00]	1.50 [38.1]	steel	nickel
D200	.236 [6.00]	2.17 [55.1]	steel	nickel
D200SS	.236 [6.00]	2.13 [54.1]	304SS	electropolished

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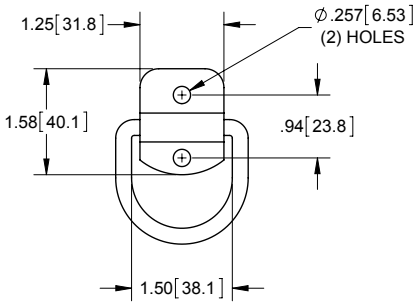
Tie Downs

Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
860	steel	zinc plated	500	1,500
860SS	304SS	electropolished	1,000	3,000

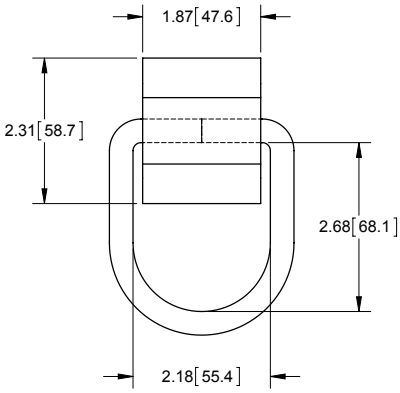
- Ø.236 [6.00] steel D-ring
- .074 [1.88] thick D-ring holder
- parts shipped unassembled inside a sealed polybag



Tie Down

Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
859	steel	zinc plated	2,500	8,000

- Ø.375 [9.53] steel D-ring
- .135 [3.43] thick D-ring holder
- part shipped unassembled inside a sealed polybag

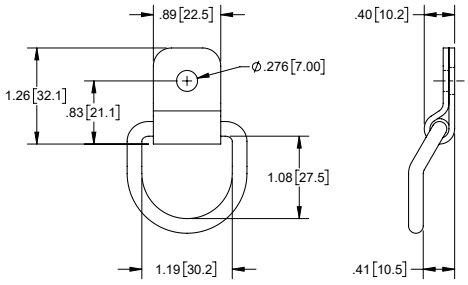


NEW

Tie Down Ring

Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
851BK02	steel	black e-coat	130	400

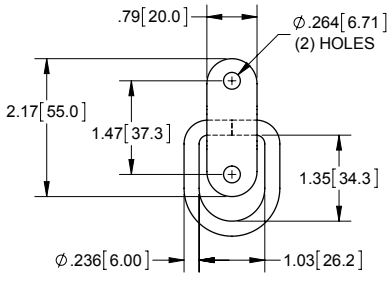
- integrated silicon insert for noise, vibration, and rattle reduction
- D-ring holds any desired position for one-handed operation while securing tie-down
- intended for light duty cargo restraint
- M6 or 1/4" mounting fastener not supplied



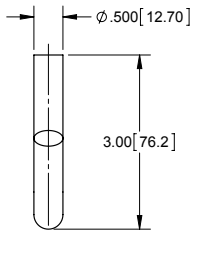
Tie Downs

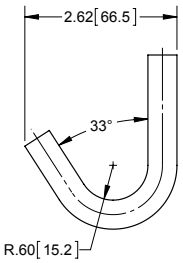
Part Number	Material	Finish	WLL (lbs.)	UBS (lbs.)
861	steel	zinc plated	1,200	3,600
861SS	304SS	electropolished	1,200	3,600

- Ø.236 [6.00] steel D-ring
- .138 [3.50] thick D-ring holder
- parts shipped unassembled inside a sealed polybag



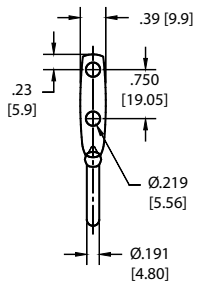
Steel J Hook

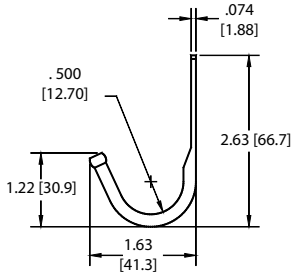




Part Number	Material	Finish
807	steel	mill

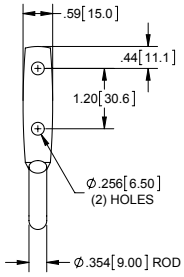
Locker Hook

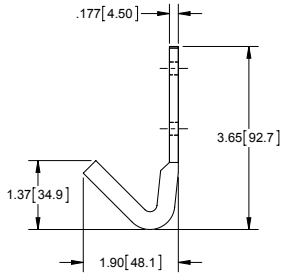




Part Number	Material	Finish
804	steel	zinc plated

Locker Hook



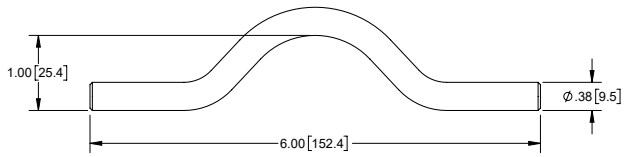


Part Number	Material	Finish
805	steel	zinc plated

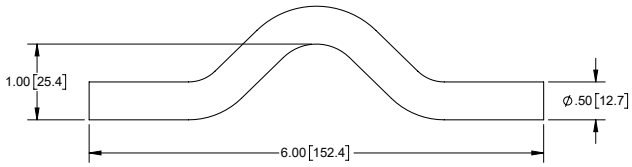
Wire Chain Retainers

NEW PRODUCT FAMILY

part no. **D487**



part no. **D488**



Part No.	Material	Finish	Wire Diameter
D487	steel	none	Ø .38 [9.5]
D488	steel	none	Ø .50 [12.7]

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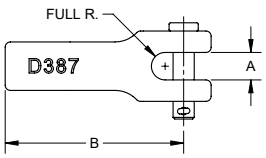
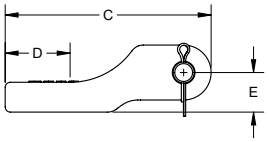
Forged Chain Retainers

Part No.	Chain Size	Ultimate Breaking Strength (UBS)	A	B	C	D	E	F	G	H
D387	5/16 [8.0]	10,000 lb.	.50 [12.7]	3.25 [82.6]	3.75 [95.3]	1.18 [30.0]	.72 [18.3]	Ø.39 [9.9]	1.28 [32.5]	1.22 [31.0]
D388	3/8 [9.5]	25,000 lb.	.60 [15.2]	3.59 [91.2]	4.16 [105.7]	1.30 [33.0]	.75 [19.1]	Ø.47 [11.9]	1.57 [39.9]	1.32 [33.5]
D388-01	1/2 [12.7]	32,000 lb.	.73 [18.5]	3.82 [97.2]	4.50 [114.3]	1.30 [33.0]	.90 [23.2]	Ø.70 [17.0]	1.77 [45.0]	1.59 [40.3]

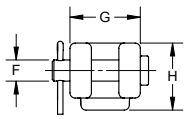
- aids for replacement of damaged or worn safety chains quickly and easily
- finish: mill with zinc plated components
- see pg. 379 for working load limit information



TOP VIEW



FRONT VIEW



RIGHT SIDE VIEW

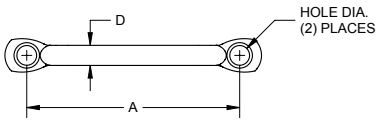
5/16" retainer part no. **D387**

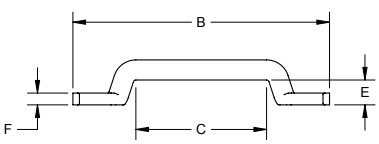
3/8" retainer part no. **D388**

1/2" retainer part no. **D388-01**

Footman Loops

Part Number	Material	Finish	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Hole Dia.
9901ZN	steel	zinc plated	2.13 [54.0]	2.67 [67.8]	1.12 [28.4]	Ø.28 [7.0]	.25 [6.4]	.15 [3.7]	Ø.20 [5.2] x 82° c'sink
9901SS	304SS	passivated	2.13 [54.0]	2.67 [67.8]	1.12 [28.4]	Ø.28 [7.0]	.25 [6.4]	.15 [3.7]	Ø.20 [5.2] x 82° c'sink
9901BK	steel	black e-coated	2.13 [54.0]	2.67 [67.8]	1.12 [28.4]	Ø.28 [7.0]	.25 [6.4]	.15 [3.7]	Ø.20 [5.2] x 82° c'sink
9902ZN	steel	zinc plated	2.24 [57.0]	2.79 [70.8]	1.37 [34.8]	Ø.28 [7.0]	.25 [6.4]	.15 [3.7]	Ø.24 [6.2] x 82° c'sink
9902SS	304SS	passivated	2.24 [57.0]	2.79 [70.8]	1.37 [34.8]	Ø.28 [7.0]	.25 [6.4]	.15 [3.7]	Ø.24 [6.2] x 82° c'sink
9903ZN	steel	zinc plated	2.63 [66.8]	3.17 [80.5]	1.61 [41.0]	Ø.28 [7.0]	.31 [7.8]	.15 [3.7]	Ø.24 [6.2] x 82° c'sink
9903SS	304SS	passivated	2.63 [66.8]	3.17 [80.5]	1.61 [41.0]	Ø.28 [7.0]	.31 [7.8]	.15 [3.7]	Ø.24 [6.2] x 82° c'sink
9904ZN	steel	zinc plated	3.09 [78.5]	3.64 [92.5]	2.09 [53.0]	Ø.28 [7.0]	.31 [7.8]	.16 [4.0]	Ø.24 [6.2] x 82° c'sink
9904SS	304SS	passivated	3.09 [78.5]	3.64 [92.5]	2.09 [53.0]	Ø.28 [7.0]	.31 [7.8]	.16 [4.0]	Ø.24 [6.2] x 82° c'sink



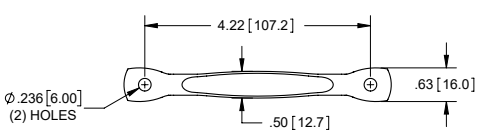


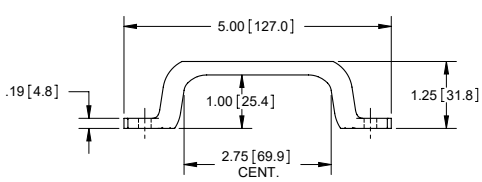
- not intended for load bearing applications

Large Footman Loop

Part Number	Material	Finish
9905ZN	steel	zinc plated

- not intended for load bearing applications



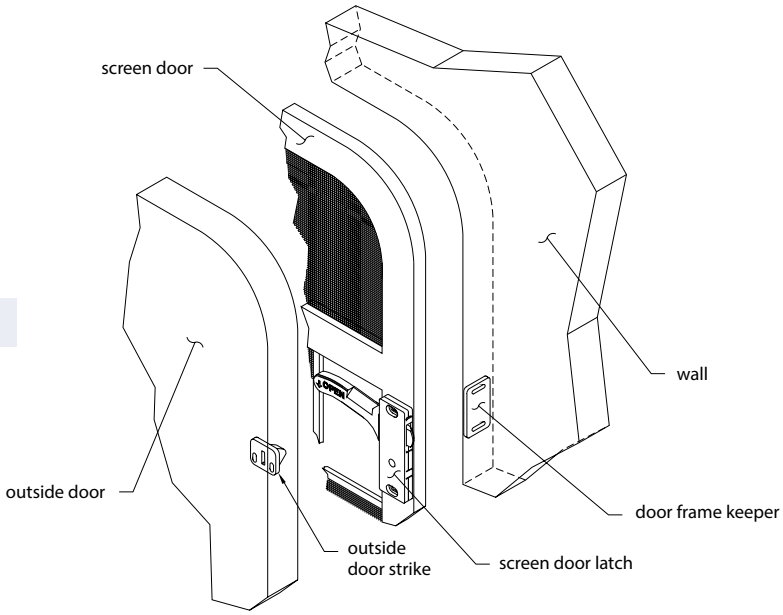


RV Screen Door Latches

RV Screen Door Latches

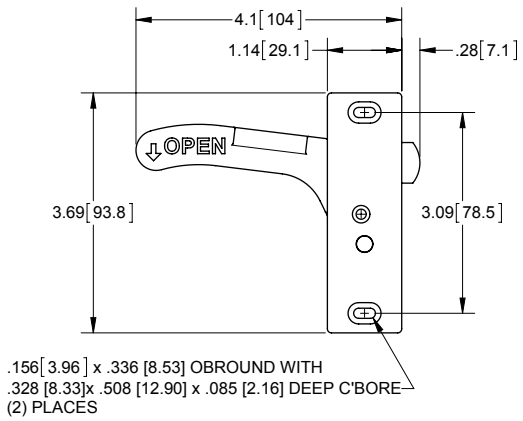
- mounting screws not included
- high impact plastics
- stainless steel spring

installation view

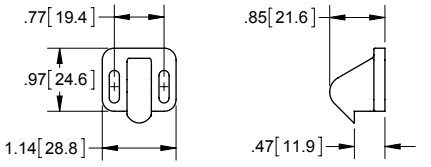


Left and Right Hand Latches with 3.09 [78.5] Mounting Centers

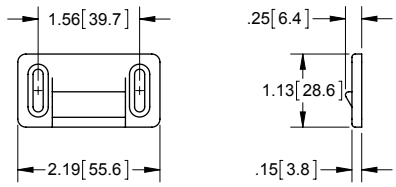
Part Number	Description
1170-01	left hand latch, strike & keeper
1171-01	right hand latch, strike & keeper
1170	left hand door latch
1171	right hand door latch
1172	outside door strike
1173	door frame keeper



LEFT HAND DOOR LATCH



OUTSIDE DOOR STRIKER



DOOR FRAME KEEPER

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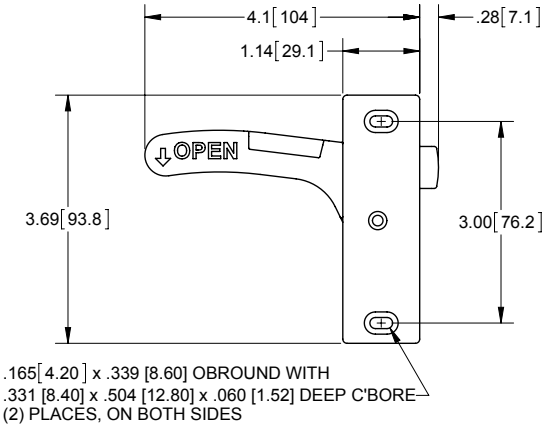
PAT. Bidirectional Latch with 3.00 [76.2] Mounting Centers

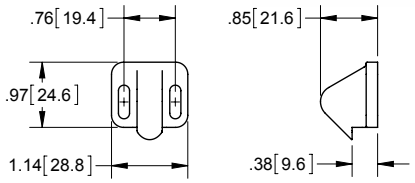
Part Number	Description
1136	latch, strike & keeper
1135	door latch
1135S	outside door strike
1135K	door frame keeper

- may be used for a left or right hand door

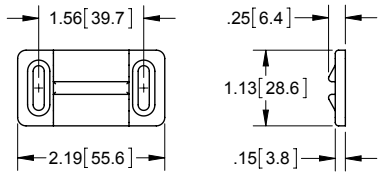
patented



DOOR LATCH



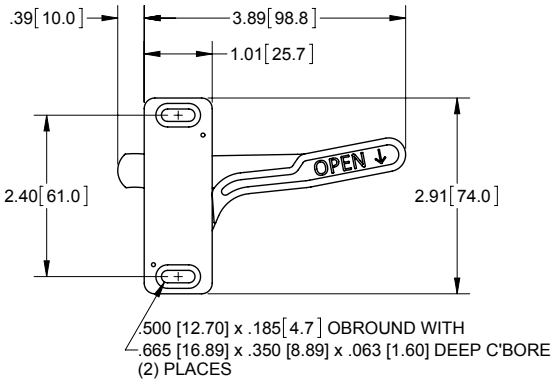
OUTSIDE DOOR STRIKER



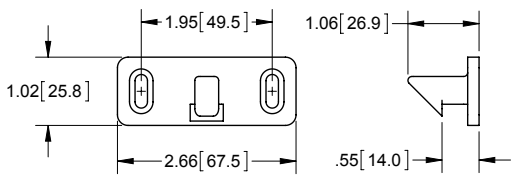
DOOR FRAME KEEPER

Economy Latch with 2.40 [61.0] Mounting Centers

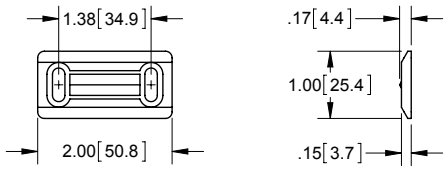
Part Number	Description
1131LH	left hand door latch
1131RH	right hand door latch
1131S	outside door strike
1131K	door frame keeper
1132LH	left hand polybagged kit with latch, strike & keeper
1132RH	right hand polybagged kit with latch, strike & keeper



RIGHT HAND DOOR LATCH

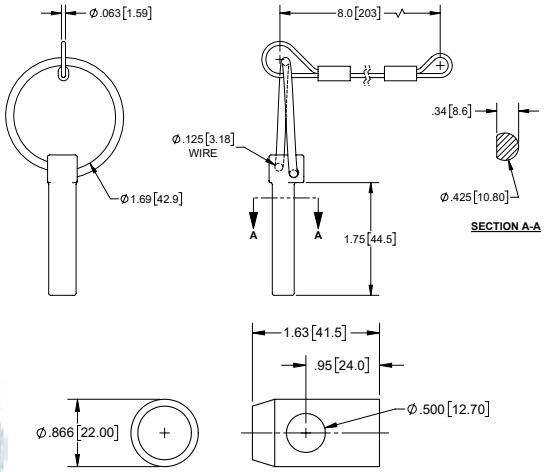


OUTSIDE DOOR STRIKER



DOOR FRAME KEEPER

Lynch Pin Assembly NEW



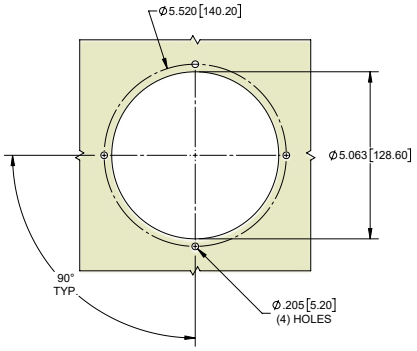
Part No.	Components	Material	Finish
J4003	ring	steel	zinc plated
	pin	steel	yellow zinc plated
	cable	steel	vinyl coating

Lynch Pin Receiver Post

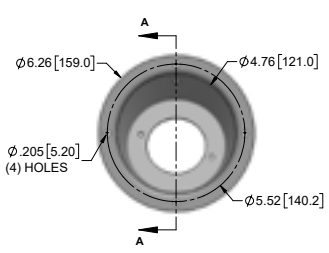
Part Number	Material	Finish
D431	steel	mill

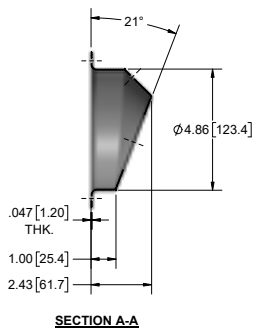
Fuel Fill Dishes

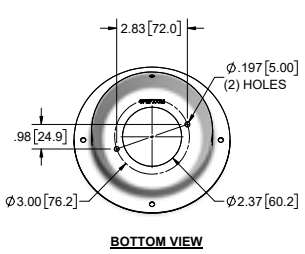
Part No. J2033

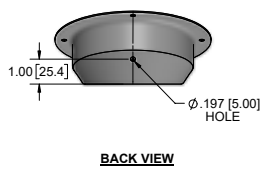


Part No.	Material	Finish	Description
J2033	steel	zinc plated	21° forming
J2033SS	304SS	hand polished (top flange only)	21° forming
J2034	steel	zinc plated	42° forming
J2034SS	304SS	hand polished (top flange only)	42° forming

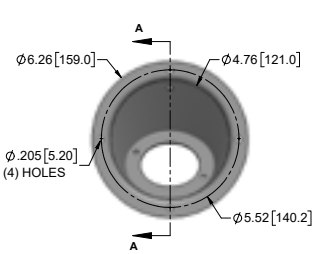


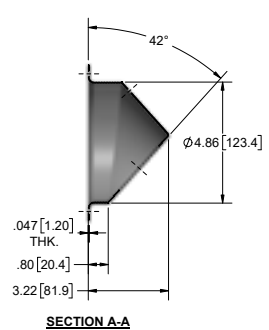


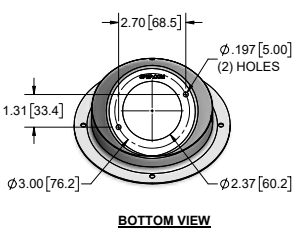


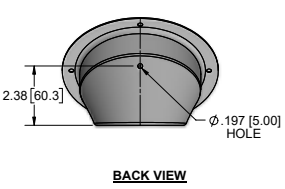


P/N J2033 & J2033SS









P/N J2034 & J2034SS

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CABLES & LANYARDS

J4005-SERIES

HIGHLIGHTS / FEATURES

- Cable wire size range from ~3/64", 1mm up to ~1/8", 3mm diameter
- Cable (pull) load ratings range ~30 – 800 lbs.
- Ultimate loads up to ~2000 lbs. and shock load multipliers (review as required by application)
- Standards: ASTM, ASMI, MIL, DASMA (Door/ Access Systems Manufacturing Association)

APPLICATIONS

END-PIECE OPTION EXAMPLES

all cables are custom with style, diameter, length, material, and end-piece options per customer specs

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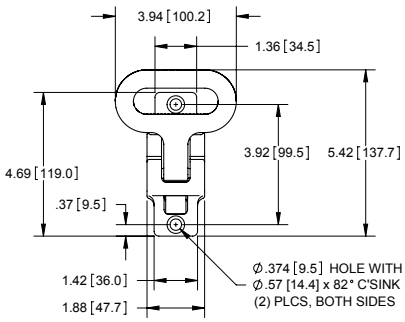
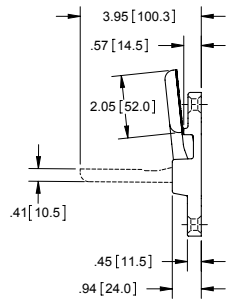
Small Folding Steps



FRONT VIEW

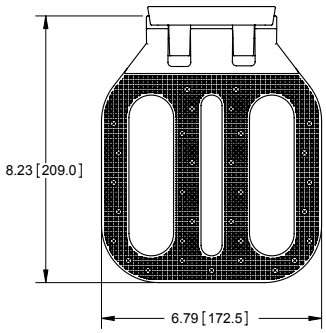


RIGHT SIDE VIEW

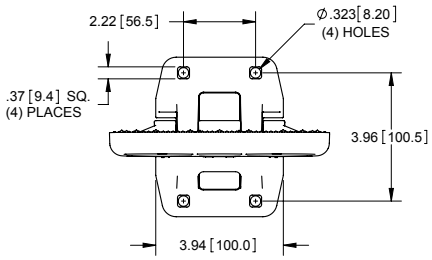
Part Number	Material	Finish
875SS	304SS	electro-polished
875ZN	cast steel	zinc plated
875BK	cast steel	black e-coated

- meets or exceeds 49 CFR Section 399 FMCSA for serrated step surface slip resistant design and min. static working load requirement of 204kg/450lbs

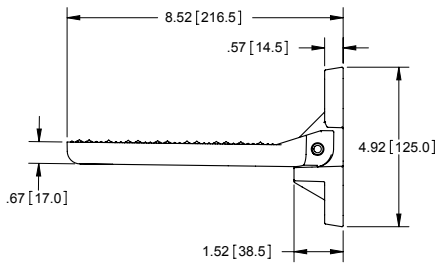
Large Folding Step with Gasket



TOP VIEW



FRONT VIEW



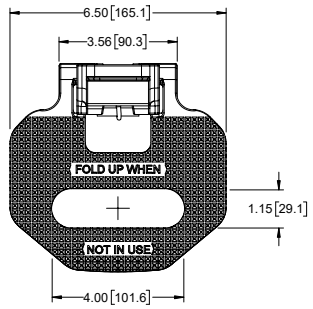
RIGHT SIDE VIEW

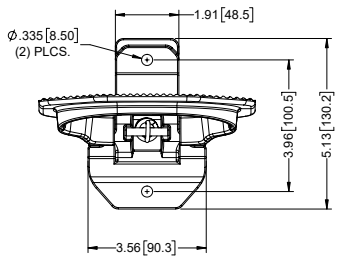
Part Number	Material	Finish
874CH	die cast zinc	textured chrome

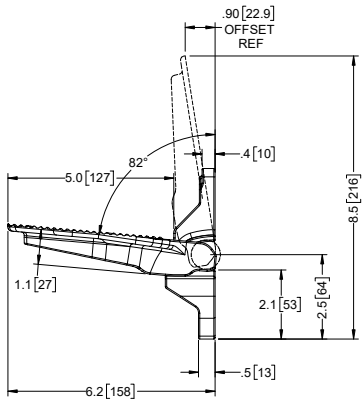
- includes gasket
- meets or exceeds 49 CFR Section 399 FMCSA for serrated step surface slip resistant design and min. static working load requirement of 204kg/450lbs

Large Folding Step PAT.

patented







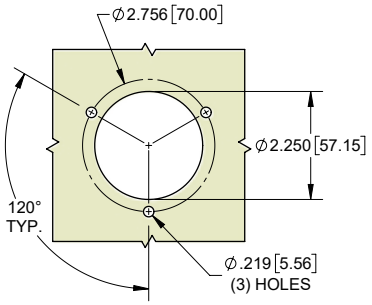
Part Number	Material	Finish
876ZN	steel	zinc plated

- meets or exceeds 49 CFR Section 399 FMCSA for serrated step surface slip resistant design and min. static working load requirement of 204kg/450lbs

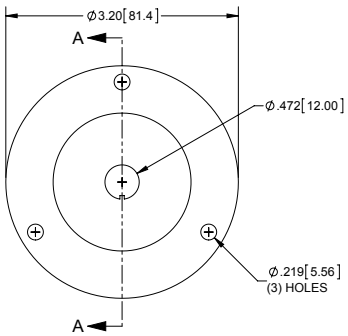
Switch Cup

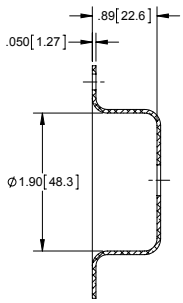
Part Number	Material	Finish
J2036	aluminum	tumbled smooth

- gasket available separately as part no. **J2036P-02G** NEW



MOUNTING DIMENSIONS





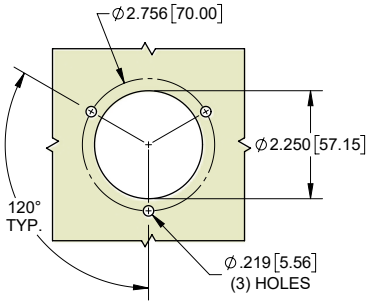
SECTION A-A

Part No. J2036P-02G

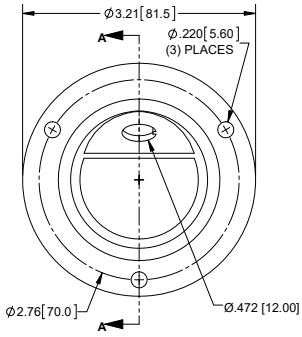
UV Plastic Switch Cup

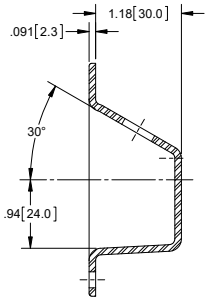
Part Number	Material	Finish
J2036P-02	glass reinforced nylon with UV inhibitors	black with top surfaces textured

- strong and durable
- gasket available separately as part no. **J2036P-02G** NEW



MOUNTING DIMENSIONS





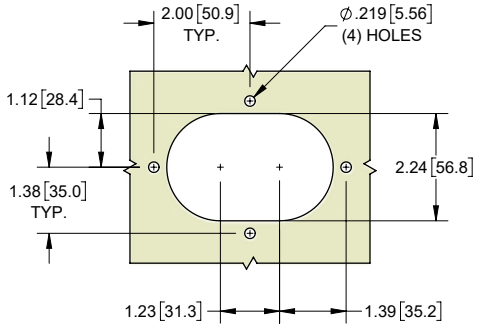
SECTION A-A

Part No. J2036P-02G

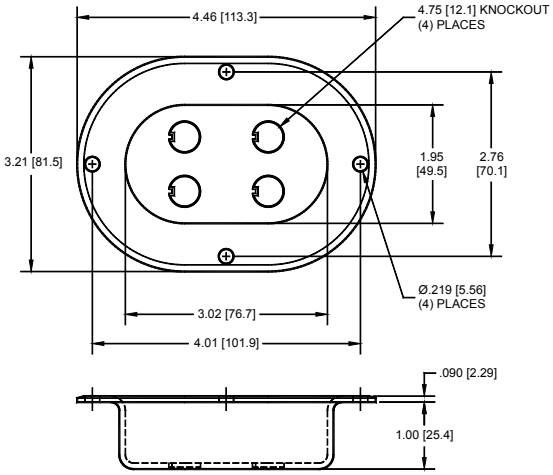
UV Plastic Switch Cup with (4) Knockouts

Part Number	Material	Finish
J2036P-01	glass reinforced nylon with UV inhibitors	black with top surfaces textured

- strong and durable



MOUNTING DIMENSIONS



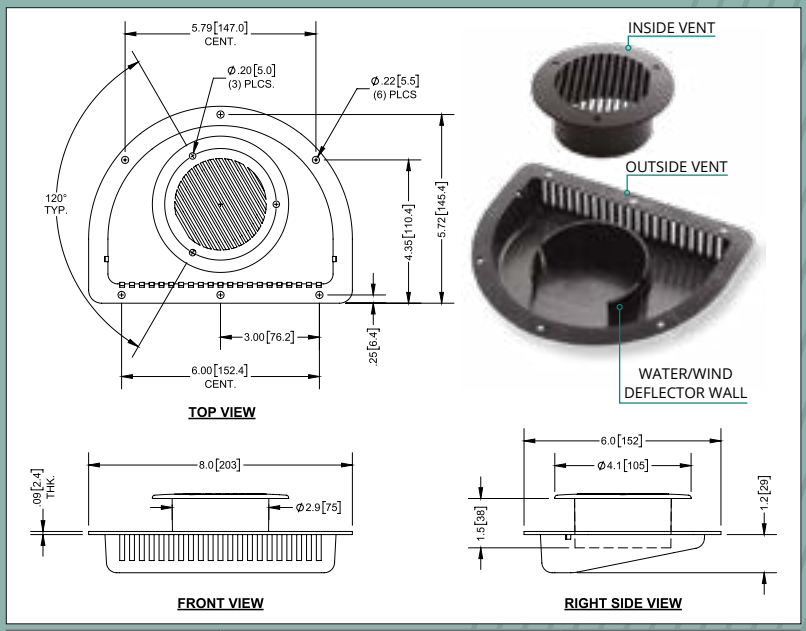
NEW

PLASTIC VENT CAP SET

PART NO. P1069BK

HIGHLIGHTS / FEATURES

- **EASY INSTALL:** Simple installation takes just a few minutes with 9 screws - *sold separately.*
- **FUNCTION:** Ventilates your RV or enclosed trailer.
- **DURABLE:** Components are made of heavy duty plastic - UV Resistant Polypropylene.
- **DIMENSIONS:** Round vent fits 3" interior opening and can be trimmed for thinner panels. Outside vent cover is 8"w x 6"d.
- **RECOMMENDATION:** Use sealant to prevent water from entering - *sold separately.*



Part Number	Material	Finish
P1069BK	plastic with UV inhibitors	black, smooth

APPLICATION

Global Headquarters
4041 Via Oro Ave.
Long Beach, CA 90810

Distribution Centers:
Los Angeles
Dallas • Chicago

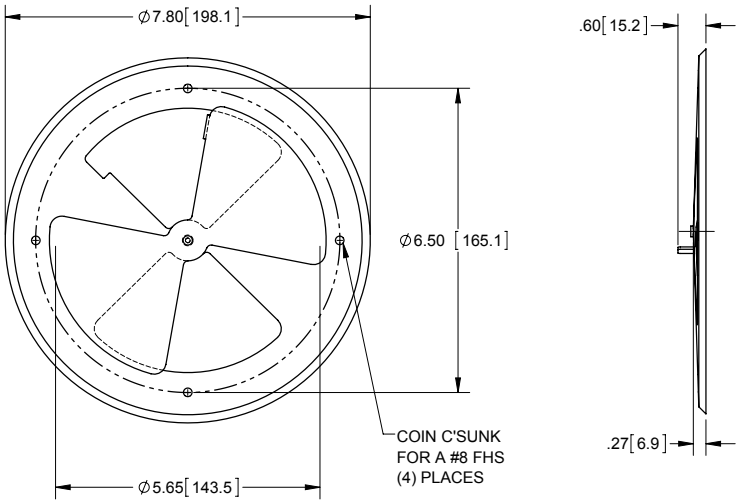
CONTACT A SPEP SALES REP FOR MORE INFO

888.444.6437 info@spep-marketing.com

Aluminum Vent

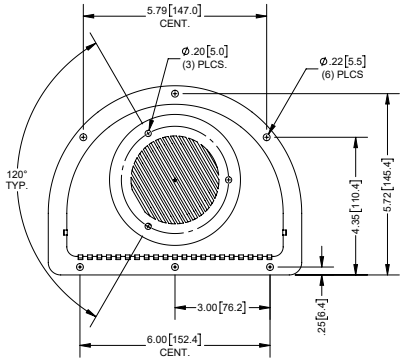
Part No.	Material	Finish
J6020	aluminum	brushed

- gasket available separately as part no. **J6020-G**

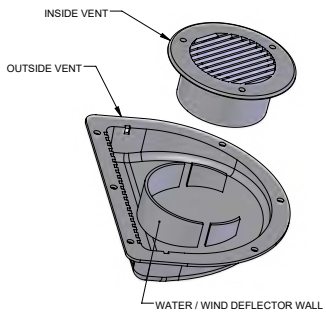


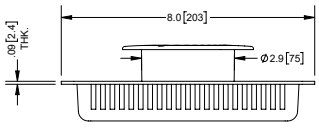
NEW UV Plastic Vent Cap Set

Part No.	Material	Finish
P1069BK	plastic with UV inhibitors	black smooth

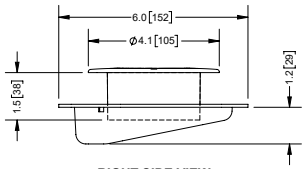


TOP VIEW

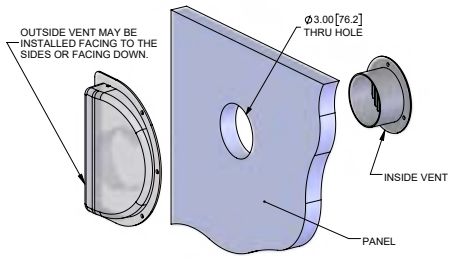




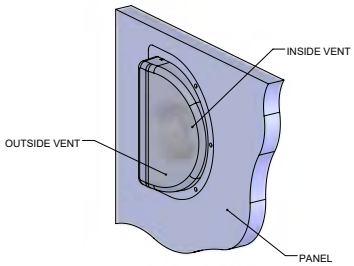
FRONT VIEW



RIGHT SIDE VIEW

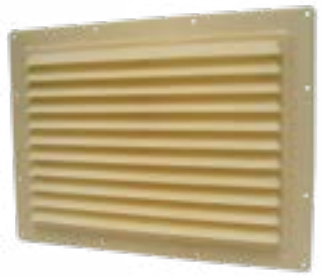


DRILL 3" [76mm] HOLE THROUGH THE PANEL AS SHOWN.

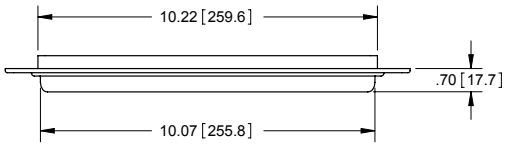


INSTALL OUTSIDE VENT TO THE OUTSIDE OF THE PANEL WITH (6) SCREWS (NOT SUPPLIED).

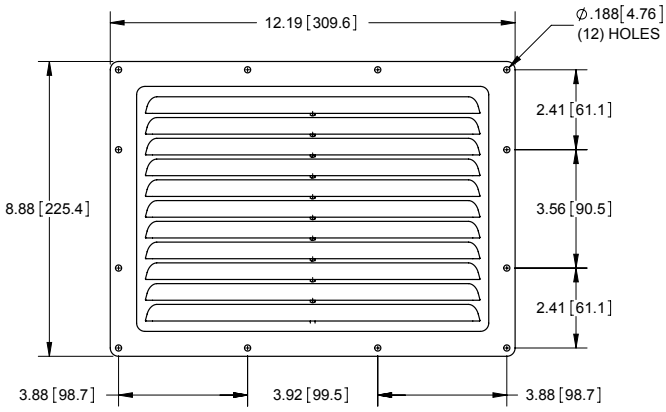
ABS Plastic Vent



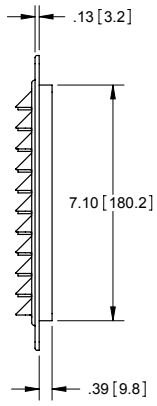
Part No.	Material	Finish
P1020	ABS	natural, smooth
P1020BK	ABS	black, smooth



TOP VIEW



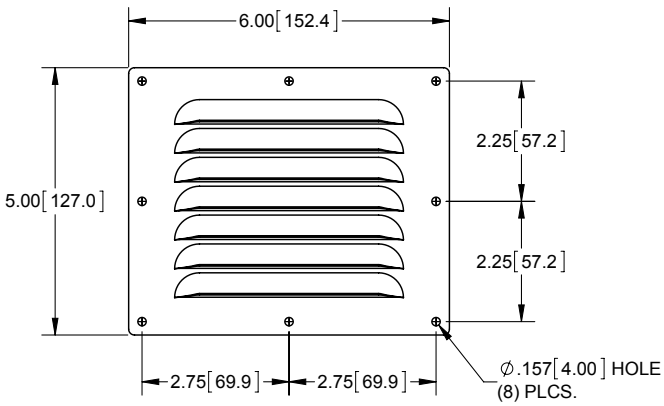
FRONT VIEW

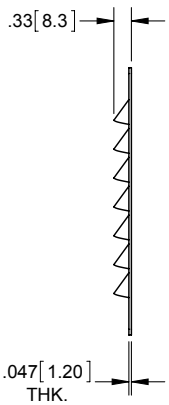


RIGHT SIDE VIEW

Louvered Vent

Part No.	Material	Finish
J6022SS	304SS	electropolished





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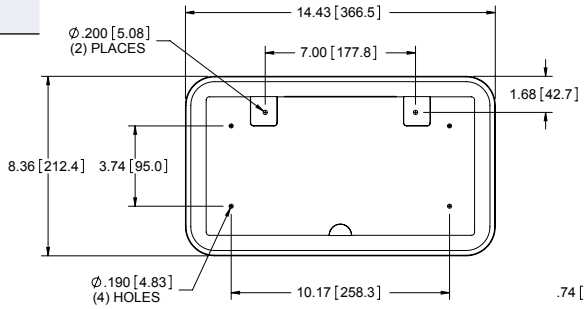
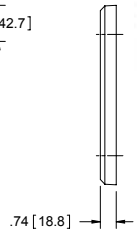
UV Full License Plate Holder

Part Number	Color	Material
P1050BK	black	UV resistant plastic with smooth finish
P1050G	gray	
P1050W	white	

- (2) stainless steel license plate mounting screws included



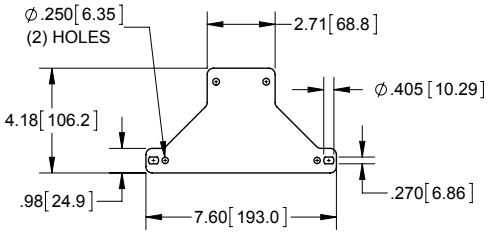
FRONT VIEW



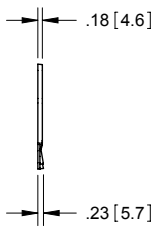
RIGHT SIDE VIEW

UV Flat License Plate Holder

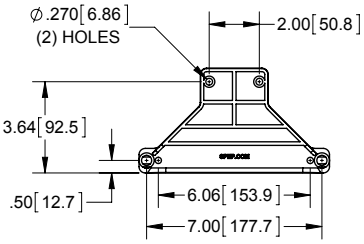
Part Number	Color	Material
P1051BK	black	UV resistant plastic with smooth finish
P1051G	gray	
P1051W	white	



FRONT VIEW



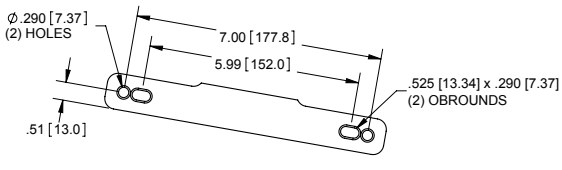
RIGHT SIDE VIEW



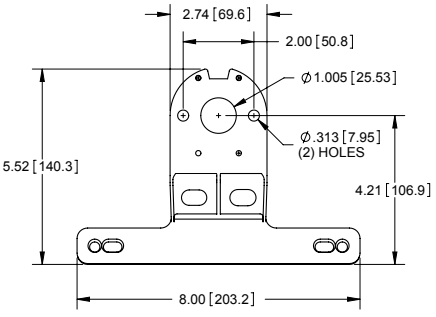
REAR VIEW

UV Offset License Plate Holder

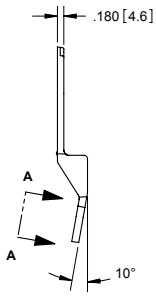
Part Number	Color	Material
P1052BK	black	UV resistant plastic with smooth finish
P1052G	gray	
P1052W	white	



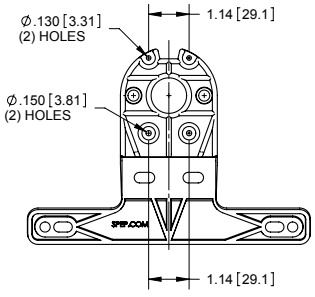
SECTION A-A



FRONT VIEW



RIGHT SIDE VIEW

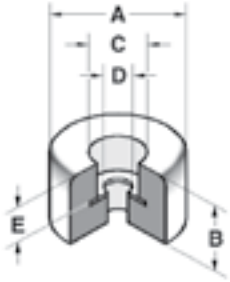


REAR VIEW

Flat Top Bumpers

Part Number	A	B	C	D	E	Color	Material
1304	Ø.50 [12.7]	.25 [6.4]	Ø.23 [6.0]	Ø.13 [3.2]	.15 [3.8]	black	SBR
1305	Ø.56 [14.3]	.31 [8.0]	Ø.25 [6.4]	Ø.13 [3.2]	.11 [2.8]	black	SBR
1303	Ø.66 [16.7]	.50 [12.7]	Ø.31 [8.0]	Ø.16 [4.0]	.25 [6.4]	black	SBR
1306	Ø.72 [18.3]	.41 [10.3]	Ø.31 [8.0]	Ø.19 [4.8]	.19 [4.8]	black	SBR
1307	Ø.88 [22.2]	.53 [13.5]	Ø.38 [9.5]	Ø.19 [4.8]	.28 [7.1]	black	SBR
1308	Ø1.52 [38.5]	.73 [18.6]	Ø.75 [19.1]	Ø.25 [6.4]	.39 [9.9]	black	SBR
1310	Ø1.00 [25.4]	1.75 [44.5]	Ø.38 [9.5]	Ø.19 [4.8]	.50 [12.7]	black	SBR

- steel washer molded in bumper
- typically applied as door stops

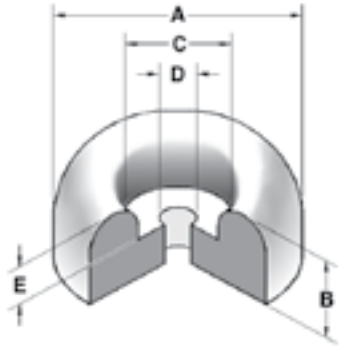


Radial Top Bumpers

Saver

Part Number	A	B	C	D	E	Color	Material
1309	Ø.75 [19.1]	.25 [6.4]	Ø.25 [6.4]	Ø.13 [3.3]	.13 [3.3]	black	SBR
1300	Ø2.50 [63.5]	1.00 [25.4]	Ø1.13 [28.7]	Ø.38 [9.7]	.50 [12.7]	black	EPDM
1301	Ø2.50 [63.5]	1.00 [25.4]	Ø1.13 [28.7]	Ø.38 [9.7]	.50 [12.7]	white	EPDM
1311	Ø2.50 [63.5]	1.00 [25.4]	Ø1.13 [28.7]	Ø.38 [9.7]	.50 [12.7]	black	SBR

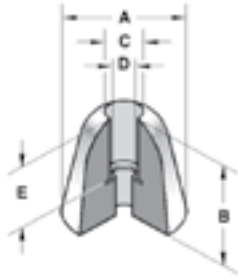
- no steel washer molded in bumper
- typically applied as door stops



Dome Top Bumper

Part Number	A	B	C	D	E	Color	Material
1302	Ø1.00 [25.4]	1.03 [26.2]	Ø.31 [8.0]	Ø.19 [4.8]	.63 [16.0]	black	SBR

- steel washer molded in bumper
- typically applied as door stops
- other sizes and styles available by special order
- often used with strap hinge p/n **H2035** on pg. 343



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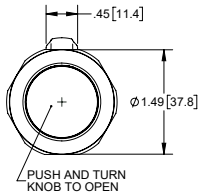
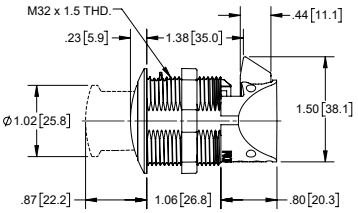
NEW PRODUCT FAMILY UV Plastic Push and Turn Latches

Part No.	Material	Finish
2-20BK	thermoplastic	black fine texture
2-20CH	thermoplastic	smooth chrome plated

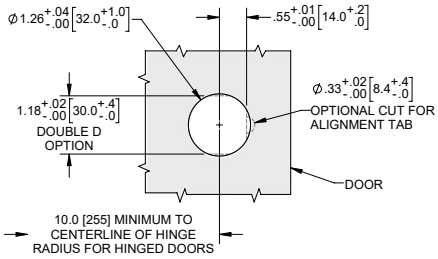
- includes 304SS passivated keeper and internal tooth lock washer
- grip: 1.38 [35.0]
- slam latch functionality when pushed to close



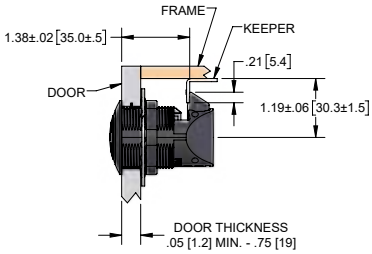
FRONT VIEW



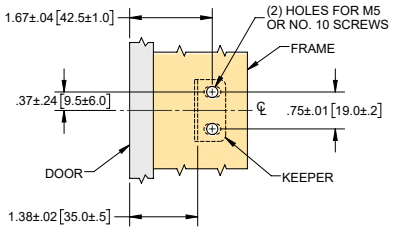
RIGHT SIDE VIEW



FRONT VIEW DOOR CUT-OUT DETAILS



SIDE VIEW CUT-OUT DETAILS

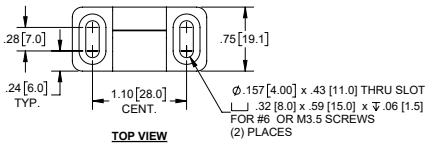


TOP VIEW KEEPER MOUNTING DETAILS

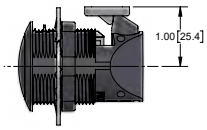
Keeper

Part No.	Material	Finish
2-20KP	thermoplastic	black fine texture

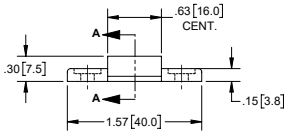
TOP VIEW KEEPER MOUNTING



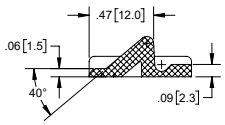
TOP VIEW



SIDE VIEW KEEPER MOUNTING



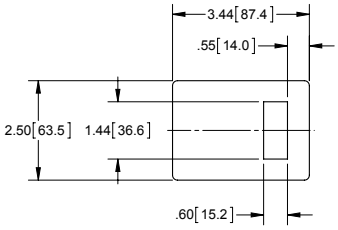
FRONT VIEW

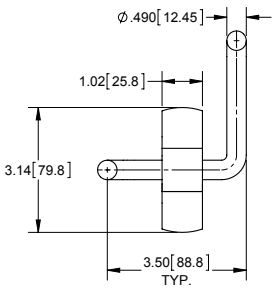


SECTION A-A

Gate Latch

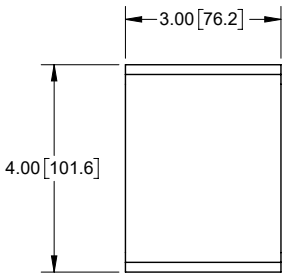
Part No.	Material	Finish
D379	steel	mill

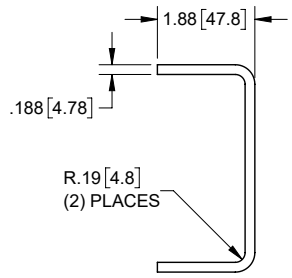




NEW Stake Pocket Bracket

Part Number	Material	Finish
18805	steel	mill





Trailer Hardware

EQUIP YOUR TRAILER WITH THE RIGHT HARDWARE.

APPLICATIONS:

Plastic Vent Cap Set
P/N P1069BK

Full License Plate Holder
P/N P1050BK

Weld-on Slam Action Latch
P/N 1186-D

Radial Top Bumper
P/N 1300

Weldable Tie Down Ring
P/N 866-10

Recessed Tie Down Ring
P/N 856

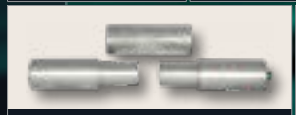
Tilt Hinge
P/N H3032

Vehicular Strap Hinge
P/N H1032LH

Chain Retainer
P/N D388

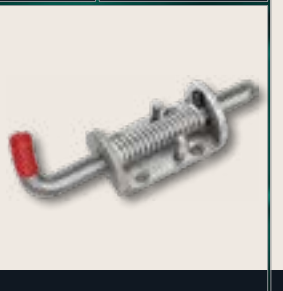
Pin & Post Latch
P/N J4003 & D431

Assist Handle
P/N 987A

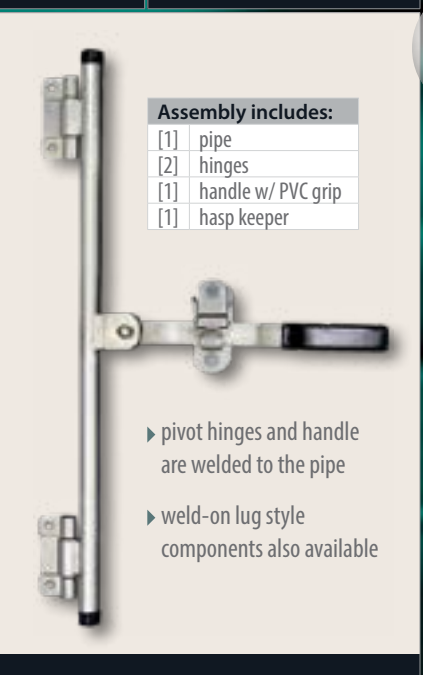


Aluminum Barrel Hinge
P/N W412-A01

Steel Barrel Hinge
P/N W430SK



Bolt Latch
P/N 11832ZN-03



Assembly includes:	
[1]	pipe
[2]	hinges
[1]	handle w/ PVC grip
[1]	hasp keeper

- pivot hinges and handle are welded to the pipe
- weld-on lug style components also available

Steel Bar Lock Assembly
P/N 1430-02

Global Headquarters
4041 Via Oro Ave.
Long Beach, CA 90810

Distribution Centers:
Los Angeles
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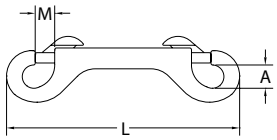
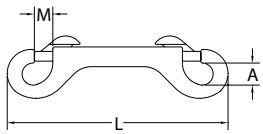
888.444.6437 info@spep-marketing.com

Malleable Iron Snaps

Part Number	A	M	L	Finish
161	.375 [9.52]	.354 [9.00]	3.60 [91.4]	nickel
162	.375 [9.52]	.394 [10.00]	4.00 [101.6]	chrome
163	.468 [11.89]	.470 [11.94]	4.81 [122.2]	zinc
200	.750 [19.05]	.236 [6.00]	3.00 [76.2]	nickel
201	1.00 [25.4]	.236 [6.00]	3.00 [76.2]	nickel
202	1.50 [38.1]	.394 [10.00]	3.50 [88.9]	nickel
225	.625 [15.88]	.394 [10.00]	3.50 [88.9]	nickel
226	.750 [19.05]	.394 [10.00]	3.50 [88.9]	nickel
227	1.00 [25.4]	.394 [10.00]	3.75 [95.3]	nickel
230	.236 [6.00]	.340 [8.64]	3.34 [84.8]	zinc
232	.359 [9.12]	.375 [9.53]	4.00 [101.6]	zinc
240	.359 [9.12]	.532 [13.51]	4.50 [114.3]	zinc
245	.516 [13.11]	.690 [17.53]	5.28 [134.1]	zinc
250	.433 [11.00]	.591 [15.01]	6.00 [152.4]	zinc
333	1.00 [25.4]	.590 [15.00]	5.25 [133.4]	nickel
2311	.719 [18.26]	.547 [13.89]	3.50 [88.9]	nickel
3141	.750 [19.05]	.590 [15.00]	3.75 [95.3]	nickel
3142	.875 [22.23]	.590 [15.00]	4.00 [101.6]	nickel



part no. **161**



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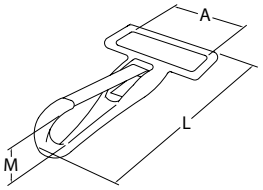

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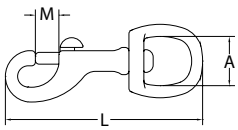
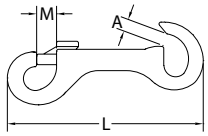
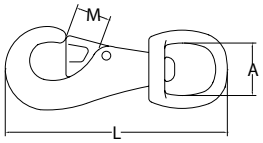


part no. **225, 226, 227**



part no. **230, 232, 240, 245, 250**



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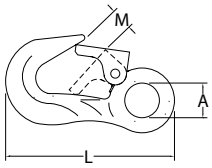

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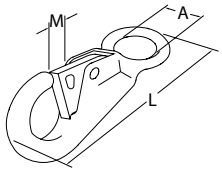
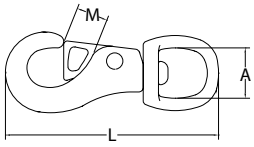


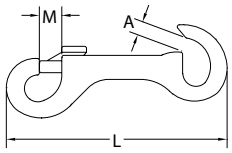
part no. **3141**



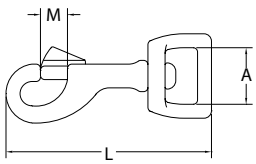
part no. **3142**

Zinc Die Cast Snaps

Part Number	A	M	L	Finish
228	.750 [19.05]	.394 [10.01]	3.25 [82.6]	nickel
229	1.00 [25.4]	.394 [10.01]	3.25 [82.6]	nickel
231	.290 [7.37]	.450 [11.43]	3.53 [89.7]	zinc



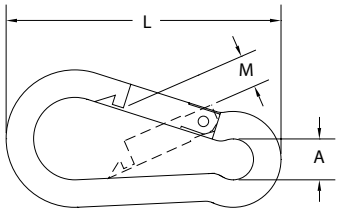
part no. **231**



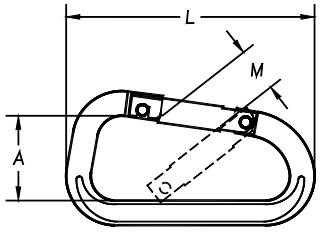
part no. **228, 229**

Spring Snap

Part Number	Material	A	M	L	Finish
3158	steel	.465 [11.81]	.375 [9.53]	3.13 [79.5]	zinc
3159SS	stainless steel	1.08 [27.4]	.60 [15.2]	3.15 [80.00]	polished

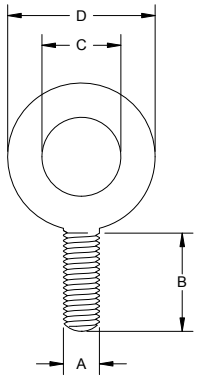


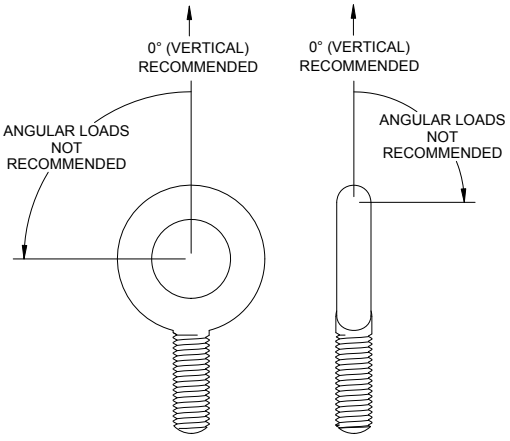
part no. **3158**



part no. **3159SS**

Plain Pattern Eyebolts





WARNING

Eyebolts without shoulder are for vertical lifting only. Angular load applications not recommended for plain eyebolts, see shoulder eyebolts.

Part Number	Material	Rated Capacity	A (Thread Size)	B	C	D
E103	steel	500 lbs.	1/4"- 20	1.00 [25.4]	Ø.75 [19.1]	Ø1.19 [30.2]
E103SS	304SS	460 lbs.	1/4"- 20	1.00 [25.4]	Ø.75 [19.1]	Ø1.19 [30.2]
E106	steel	900 lbs.	5/16"- 18	1.12 [28.5]	Ø.87 [22.1]	Ø1.44 [36.6]
E106SS	304SS	780 lbs.	5/16"- 18	1.12 [28.5]	Ø.87 [22.1]	Ø1.44 [36.6]
E109	steel	1300 lbs.	3/8"- 16	1.25 [31.8]	Ø1.00 [25.4]	Ø1.68 [42.7]
E109SS	304SS	1160 lbs.	3/8"- 16	1.25 [31.8]	Ø1.00 [25.4]	Ø1.68 [42.7]
E112	steel	1800 lbs.	7/16"- 14	1.37 [34.8]	Ø1.06 [26.9]	Ø1.81 [46.0]
E115	steel	2400 lbs.	1/2"- 13	1.50 [38.1]	Ø1.19 [30.2]	Ø2.12 [53.9]
E115SS	304SS	2150 lbs.	1/2"- 13	1.50 [38.1]	Ø1.19 [30.2]	Ø2.12 [53.9]
E118	steel	3200 lbs.	9/16"- 12	1.75 [44.5]	Ø1.37 [34.8]	Ø2.56 [65.0]
E121	steel	4000 lbs.	5/8"- 11	1.75 [44.5]	Ø1.37 [34.8]	Ø2.56 [65.0]
E121SS	304SS	3440 lbs.	5/8"- 11	1.75 [44.5]	Ø1.37 [34.8]	Ø2.56 [65.0]
E124	steel	5000 lbs.	3/4"- 10	2.00 [50.8]	Ø1.50 [38.1]	Ø2.81 [71.4]
E124SS	304SS	5140 lbs.	3/4"- 10	2.00 [50.8]	Ø1.50 [38.1]	Ø2.81 [71.4]
E127	steel	7000 lbs.	7/8"- 9	2.25 [57.15]	Ø1.62 [41.2]	Ø3.19 [81.0]
E130SS	304SS	9370 lbs.	1"- 8	2.50 [63.5]	Ø1.75 [44.5]	Ø3.56 [90.4]
E133	steel	12000 lbs.	1 1/8"- 7	2.75 [69.9]	Ø2.00 [50.8]	Ø4.00 [101.6]
E136	steel	15000 lbs.	1 1/4"- 7	3.00 [76.2]	Ø2.19 [55.6]	Ø4.44 [112.8]
E139	steel	21000 lbs.	1 1/2"- 6	3.50 [88.9]	Ø2.50 [63.5]	Ø5.19 [131.8]
E142	steel	28000 lbs.	1 3/4"- 5	3.75 [95.3]	Ø2.75 [69.9]	Ø6.00 [152.4]
E145	steel	38000 lbs.	2"- 5	4.00 [101.6]	Ø3.00 [76.2]	Ø6.75 [171.5]

- stainless steel parts are 304SS passivated and electro-polished
- 316SS parts available upon request
- steel parts are forged and 304 / 316SS parts are from investment casting
- all standard eyebolts threaded national coarse
- shanks longer than standard are available upon request

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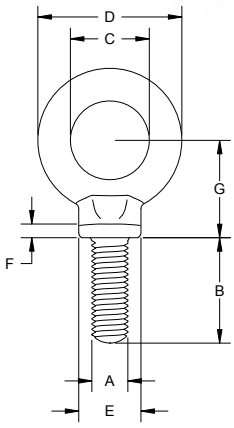
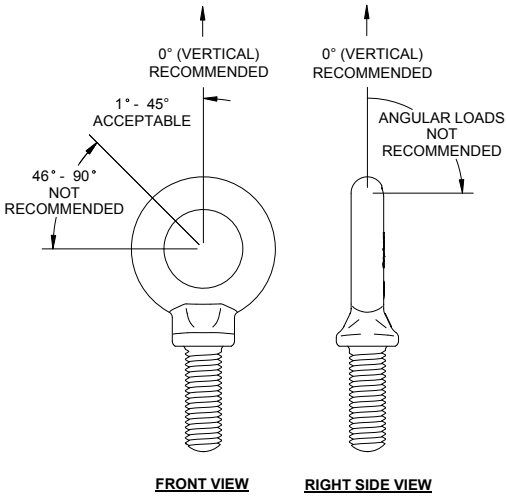
Shoulder Pattern Eyebolts

Part Number	Material	Rated Capacity	A (Thread Size)	B	C	D	E	F	G
E203	steel	500 lbs.	1/4"- 20	1.00 [25.4]	Ø.75 [19.1]	Ø1.19 [30.2]	Ø.53 [13.5]	.15 [3.8]	.69 [17.5]
E203ZN	steel	500 lbs.							
E203SS	304SS	460 lbs.							
E203SST	316SS	460 lbs.							
E206	steel	900 lbs.	5/16"- 18	1.12 [28.5]	Ø.87 [22.1]	Ø1.44 [36.6]	Ø.59 [15.0]	.15 [3.8]	.87 [22.1]
E206ZN	steel	900 lbs.							
E206SS	304SS	780 lbs.							
E206SST	316SS	780 lbs.							
E209	steel	1300 lbs.	3/8"- 16	1.25 [31.8]	Ø1.00 [25.4]	Ø1.69 [42.9]	Ø.65 [16.5]	.15 [3.8]	1.06 [26.9]
E209ZN	steel	1300 lbs.							
E209SS	304SS	1160 lbs.							
E209SST	316SS	1160 lbs.							
E212	steel	1800 lbs.	7/16"- 14	1.37 [34.8]	Ø1.06 [26.9]	Ø1.81 [46.0]	Ø.78 [19.8]	.22 [5.6]	1.19 [30.2]
E212ZN	steel	1800 lbs.							
E215	steel	2400 lbs.	1/2"- 13	1.50 [38.1]	Ø1.19 [30.2]	Ø2.12 [53.9]	Ø.90 [22.9]	.22 [5.6]	1.31 [33.3]
E215ZN	steel	2400 lbs.							
E215SS	304SS	2150 lbs.							
E215SST	316SS	2150 lbs.							
E218	steel	3200 lbs.	9/16"- 12	1.75 [44.5]	Ø1.37 [34.8]	Ø2.56 [65.0]	Ø1.03 [26.2]	.25 [6.4]	1.59 [40.4]
E218ZN	steel	3200 lbs.							
E221	steel	4000 lbs.	5/8"- 11	1.75 [44.5]	Ø1.37 [34.8]	Ø2.56 [65.0]	Ø1.03 [26.2]	.25 [6.4]	1.59 [40.4]
E221ZN	steel	4000 lbs.							
E221SS	304SS	3440 lbs.							
E221SST	316SS	3440 lbs.							
E224	steel	5000 lbs.	3/4"- 10	2.00 [50.8]	Ø1.50 [38.1]	Ø2.81 [71.4]	Ø1.19 [30.2]	.25 [6.4]	1.72 [43.69]
E224ZN	steel	5000 lbs.							
E224SS	304SS	5140 lbs.							
E224SST	316SS	5140 lbs.							
E227	steel	7000 lbs.	7/8"- 9	2.25 [57.2]	Ø1.62 [41.2]	Ø3.19 [81.0]	Ø1.37 [34.8]	.31 [7.9]	2.03 [51.6]
E227ZN	steel	7000 lbs.							
E230	steel	9000 lbs.	1"- 8	2.50 [63.5]	Ø1.75 [44.5]	Ø3.56 [90.4]	Ø1.56 [39.6]	.37 [7.9]	2.22 [56.4]
E230ZN	steel	9000 lbs.							
E230SS	304SS	9370 lbs.							
E230SST	316SS	9370 lbs.							
E233	steel	12000 lbs.	1 1/8"- 7	2.75 [69.9]	Ø2.00 [50.8]	Ø4.06 [103.1]	Ø1.75 [44.5]	.44 [11.2]	2.59 [65.8]
E236	steel	15000 lbs.	1 1/4"- 7	3.00 [76.2]	Ø2.19 [55.6]	Ø4.44 [112.8]	Ø1.94 [49.3]	.50 [12.7]	2.84 [72.1]
E239	steel	21000 lbs.	1 1/2"- 6	3.50 [88.9]	Ø2.50 [63.5]	Ø5.19 [131.8]	Ø2.19 [55.6]	.50 [12.7]	3.19 [81.0]
E242	steel	28000 lbs.	1 3/4"- 5	3.75 [95.3]	Ø2.75 [69.9]	Ø6.00 [152.4]	Ø2.50 [63.5]	.62 [15.8]	3.75 [95.3]
E245	steel	38000 lbs.	2"- 5	4.00 [101.6]	Ø3.00 [76.2]	Ø6.75 [171.5]	Ø2.87 [72.9]	.75 [19.1]	4.25 [108.0]

- stainless steel parts are 304SS passivated and electro-polished
- 316SS parts available upon request
- steel parts are forged and 304 / 316SS parts are from investment casting
- all standard eyebolts threaded national coarse
- shanks longer than standard are available upon request

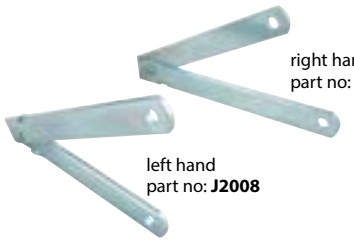


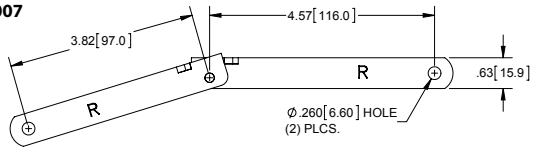


WARNING

Capacities listed are for vertical lifting only. Rated capacity is substantially reduced when loading at any angle. Loading must never be made at an angle greater than 45° from bolt center line. At an angle of 45°, rated capacity is reduced to 1/4 of shown rating.

Lid Stays

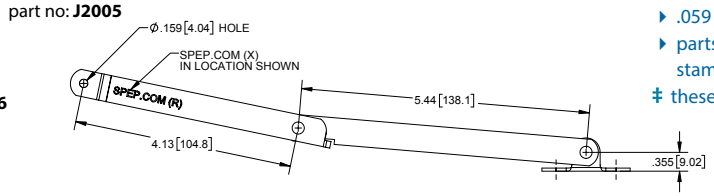


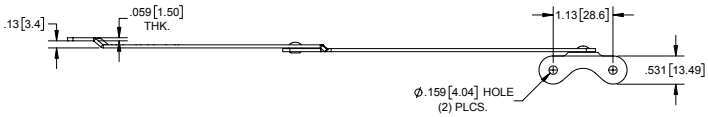


Part Number	Description	Material	Finish
J2007	right hand	steel	zinc plated
J2008	left hand	steel	zinc plated

- .122 [3.10] thick steel

Lid Stays with Mounting Brackets



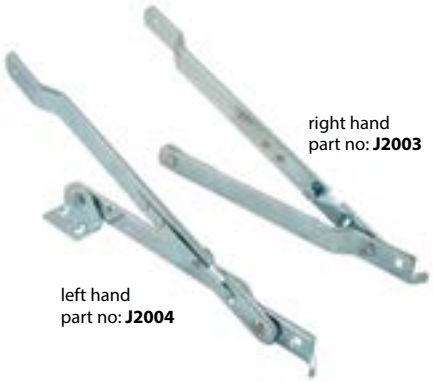


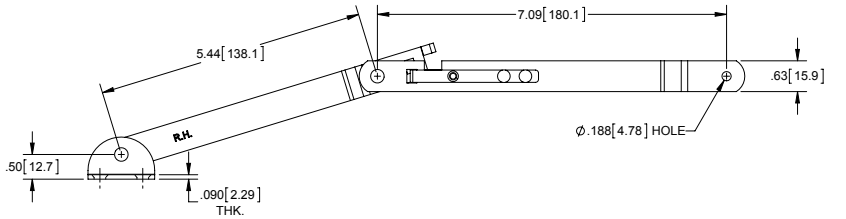
Part Number	Description	Material	Finish
J2005 ‡	right hand	steel	brass plated & lacquered
J2005ZN	right hand	steel	zinc plated
J2006 ‡	left hand	steel	brass plated & lacquered
J2006ZN	left hand	steel	zinc plated

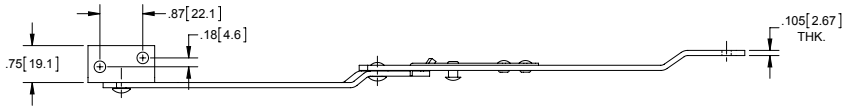
- .059 [1.50] thick steel
- parts no. **J2005** & **J2006** do not have spep.com logo stamp

‡ these parts are non-stock

Table Braces

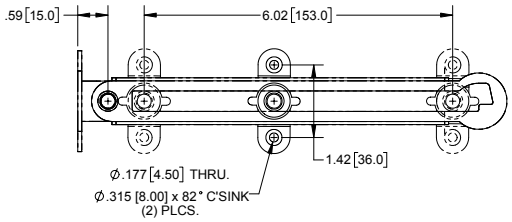


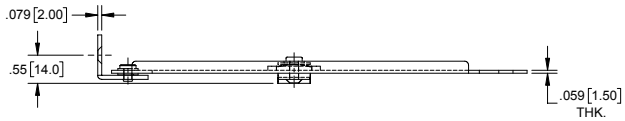




Part Number	Description	Material	Finish
J2003	right hand	steel	zinc plated
J2004	left hand	steel	zinc plated

Lid Stays



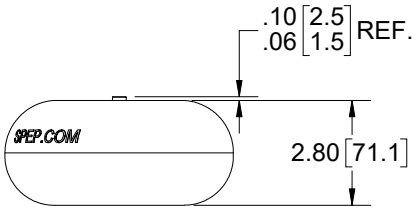


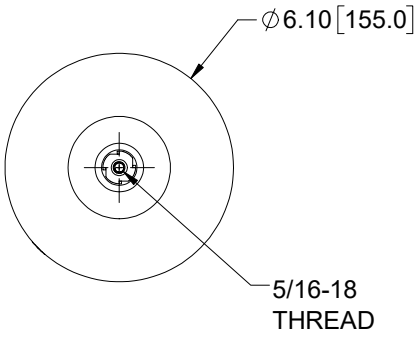
Part Number	Description	Material	Finish
TM-81-2R	right hand	304SS	barrel polished
TM-81-2L	left hand	304SS	barrel polished

Pallet Cushions

Part Number	Material	Finish	Load Rating	Mounting Option
1325-01	plastic	orange	125-225 lbs.	with T-nut
NEW **1325-01A**	plastic	orange	125-225 lbs.	without T-nut
1325-02	plastic	blue	70-125 lbs.	with T-nut
NEW **1325-02A**	plastic	blue	70-125 lbs.	without T-nut

see pages 191 - 197 for crate latches

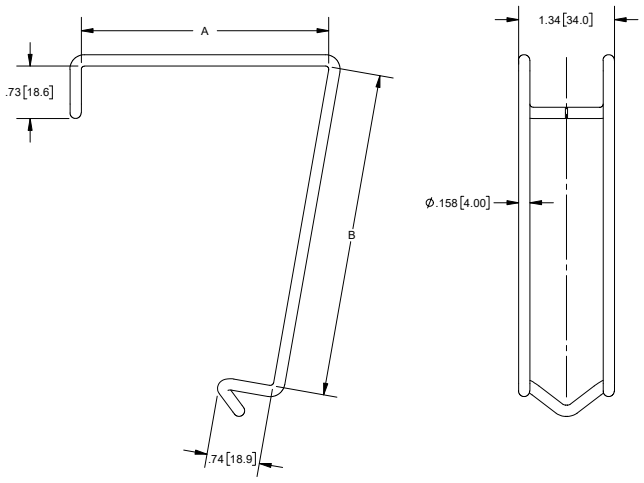




Wire Clamps

Part Number	Dimension		Material	Finish
	A	B		
J3400	3.45 [87.7]	4.52 [114.9]	steel	zinc plated
J3400-01	2.58 [65.6]	3.53 [89.8]	steel	zinc plated

see pages 191 - 197 for crate latches



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YOUR PART NUMBER	DESCRIPTION	SPEP PART NUMBER	CATALOG PAGE NUMBER	QUANTITY	PRICE	DATE

Credit Aplication and Agreement

INCH FRACTIONS, DECIMAL AND METRIC EQUIVALENTS

INCH	DECIMAL	MM	INCH	DECIMAL	MM
1/64	.015625	.39688	33/64	.515625	13.09688
1/32	.03125	.79375	17/32	.53125	13.49375
3/64	.046875	1.19063	35/64	.546875	13.89063
1/16	.0625	1.58750	9/16	.5625	14.28750
5/64	.078125	1.98438	37/64	.578125	14.68438
3/32	.09375	2.38125	19/32	.59375	15.08125
7/64	.109375	2.77813	39/64	.609375	15.47813
1/8	.125	3.17500	5/8	.625	15.87500
9/64	.140625	3.57188	41/64	.640625	16.27188
5/32	.15625	3.9687	21/32	.65625	16.66875
11/64	.171875	4.36563	43/64	.671575	17.06563
3/16	.1875	4.7625	11/16	.6875	17.46250
13/64	.203125	5.15938	45/64	.703125	17.85938
7/32	.21875	5.55625	23/32	.71875	18.25625
15/64	.234375	5.95313	47/64	.734375	18.65312
1/4	.250	6.3500	3/4	.750	19.0500
17/64	.265625	6.74688	49/64	.765625	19.44688
9/32	.28125	7.14375	25/32	.78125	19.84375
19/64	.296875	7.54063	51/64	.796875	20.24063
5/16	.3125	7.93750	13/16	.8125	20.63750
21/64	.328125	8.33438	53/64	.828125	21.03438
11/32	.34375	8.73125	27/32	.84375	21.43125
23/64	.359375	9.12813	55/64	.859375	21.8281
3/8	.375	9.5250	7/8	.875	22.22500
25/64	.390625	9.92188	57/64	.890625	22.62188
13/32	.40625	10.31875	29/32	.90625	23.01875
27/64	.421875	10.71563	59/64	.921875	23.41563
7/16	.4375	11.11250	15/16	.9375	23.81250
29/64	.453125	11.50938	61/64	.953125	24.2093
15/32	.46875	11.90625	31/32	.96875	24.60625
31/64	.484375	12.30313	63/64	.984375	25.00313
1/2	.500	12.7000	1	1.0000	25.40000

METRIC TO INCH CONVERSION

MM	INCH	MM	INCH	MM	INCH
1	0.039370	34	1.338583	67	2.637795
2	0.078740	35	1.377953	68	2.677165
3	0.118110	36	1.417323	69	2.716535
4	0.157480	37	1.456693	70	2.755906
5	0.196850	38	1.496063	71	2.795276
6	0.236220	39	1.535433	72	2.834646
7	0.275591	40	1.574803	73	2.847015
8	0.314961	41	1.614173	74	2.913386
9	0.354331	42	1.653543	75	2.952756
10	0.393701	43	1.692913	76	2.992126
11	0.433071	44	1.732283	77	3.031496
12	0.472441	45	1.771654	78	3.070866
13	0.511811	46	1.811024	79	3.110236
14	0.551181	47	1.850391	80	3.149606
15	0.590551	48	1.889764	81	3.188976
16	0.629921	49	1.929134	82	3.228346
17	0.669291	50	1.968504	83	3.267717
18	0.708661	51	2.007874	84	3.307087
19	0.748031	52	2.047244	85	3.346457
20	0.787402	53	2.086614	86	3.385827
21	0.826772	54	2.125984	87	3.425197
22	0.866142	55	2.165354	88	3.464567
23	0.905512	56	2.204724	89	3.503937
24	0.944882	57	2.244094	90	3.543307
25	0.984252	58	2.283465	91	3.582677
26	1.023622	59	2.322835	92	3.622047
27	1.062992	60	2.362205	93	3.661417
28	1.102362	61	2.401575	94	3.700787
29	1.141732	62	2.440945	95	3.740157
30	1.181102	63	2.480315	96	3.779528
31	1.220472	64	2.519685	97	3.818898
32	1.259843	65	2.559055	98	3.858268
33	1.299213	66	2.598425	99	3.897638

STANDARD GAUGE, DECIMAL AND METRIC EQUIVALENT

GAUGE	DECIMAL	METRIC	GAUGE	DECIMAL	METRIC	GAUGE	DECIMAL	METRIC	GAUGE	DECIMAL	METRIC
3	.250	6.35	9	.150	3.81	15	.070	1.78	21	.034	.87
4	.234	5.95	10	.135	3.43	16	.060	1.52	22	.030	.76
5	.219	5.56	11	.120	3.05	17	.056	1.42	23	.028	.71
6	.194	4.93	12	.105	2.67	18	.048	1.22	24	.025	.64
7	.180	4.57	13	.090	2.29	19	.042	1.07	25	.020	.51
8	.165	4.19	14	.074	1.88	20	.035	.89	26	.019	.48

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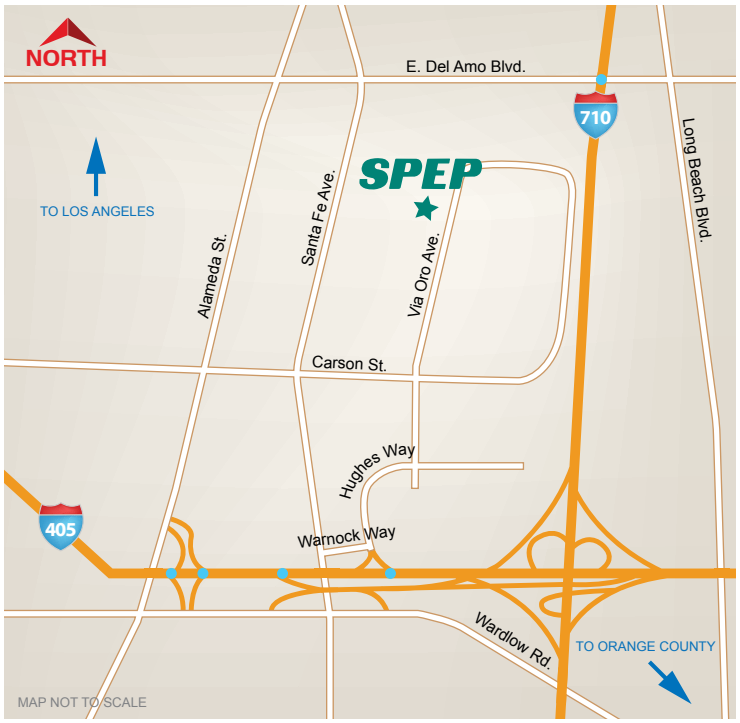

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