

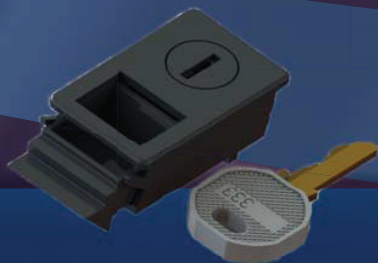
simply
practical

FATH®

Components



LATCH HINGE



SEAL



SECURE

QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

ACC

GSK

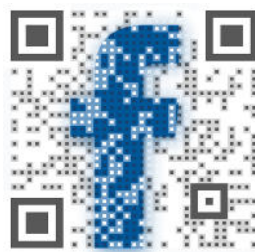
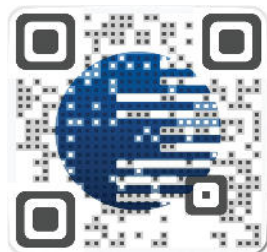
HAN

CST



INDUSTRIAL HARDWARE

LATCH
HINGE
SEAL
SECURE





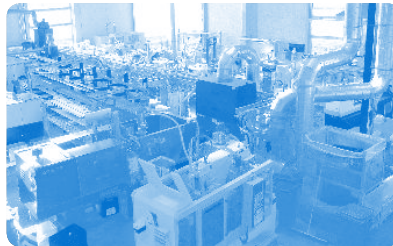
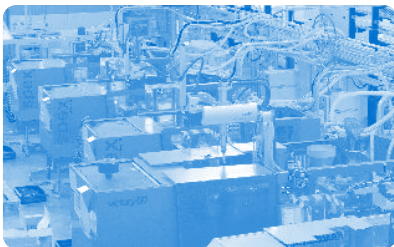
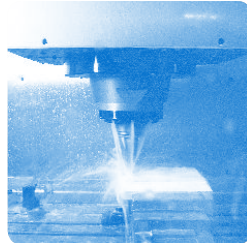
COMPETENCIES, TECHNOLOGIES, EQUIPMENT

Know-How

- In-depth market knowledge
- Product development
- Industrial design
- Tool engineering
- Tool construction
- Manufacturing technologies
- Operational management, processes
- International procurement and production network
- ...etc.

Materials

- Plastics PA, POM, PP, PC, TPE, ABS, PVC, PE etc.
- Additives: glass fibres, glass balls, carbon fibres, antiseptics, diverse colors etc.
- Rubber EPDM, NBR, CR etc.
- Aluminum
- Die-cast aluminum
- Die-cast zinc
- Steel
- Stainless steel
- Brass
- ...etc.



Surfaces

- Anodizing
- Painting
- Powder coating
- Galvanizing, zinc lamellar plating
- Chrome plating
- Nickel plating, zinc nickel plating
- Chromate treatment
- Burnishing
- Dry-film lubrication
- Printing
- Flocking
- Polising
- Brushing
- ...etc.

Manufacturing Technologies

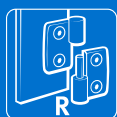
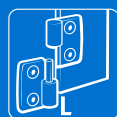
- Plastic injection moulding
- Aluminum die-casting
- Zinc die-casting
- Turning
- Milling
- Drilling
- Cutting
- Punching
- Bending
- Wire bending
- Cold-forming
- Hot-forming
- Deep-drawing
- Erosion
- Thread rolling
- Welding
- Friction welding
- Bonding
- Powder injection molding MIM / PIM
- Extruding
- Extrusion pressing
- ...etc.





TECHNICAL INFORMATION

Symbols



Different versions
supplied for left and right
side installation



For left and
right hand
installation



Padlockable



Attention



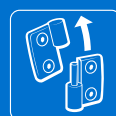
Appropriate for devices
accordant to IP65 / NEMA 4



External
hinge



Concealed-
hinge



Detachable
hinge



Stainless
steel

Protection Categories according to IEC 60 539

The IP protection category is characterized by 2 digits. Example: IP 54

First Digit	Degree of protection against contact and foreign bodies	Second Digit	Degree of protection against water
1	Protected against solid foreign objects of Ø 50 mm and greater	1	Protected against vertically falling water drops
2	Protected against solid foreign objects of Ø 12.5 mm and greater	2	Protected against vertically falling water drops when the enclosure is tilted up to 15°
3	Protected against solid foreign objects of Ø 2.5 mm and greater	3	Protected against splashing water
4	Protected against solid foreign objects of Ø 1.0 mm and greater	4	Protected against splashing water
5	Dust-protected	5	Protected against water jets
6	Dust-tight	6	Protected against powerful water jets
		7	Protected against the effects of temporary immersion in water

Protection Categories according to National Electric Manufacturers Association (NEMA)

The UL classifications are not directly comparable with IP Protection Categories, since both the test conditions and the test results are different.

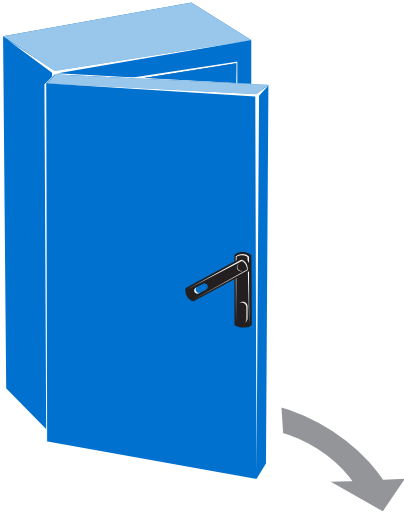
UL / NEMA	Description
1	Protected against penetration of foreign bodies
3.3R	Protected against penetration of solid bodies, protected against the ingress of rain, and dust and damage caused by icing
3S	Protected against rain, snow and foreign bodies. External mechanisms remain usable despite being coated in ice.
4.4X	Protected against rain, foreign bodies, splashed water and hosed water, and against damage caused by icing on the exterior of the enclosure
12.12K	Protected against dust deposits, foreign bodies, and non-corrosive dripping liquids
13	Protected against dust deposits, sprayed water, oil, and non-corrosive dripping liquids

Stainless steel material specifications

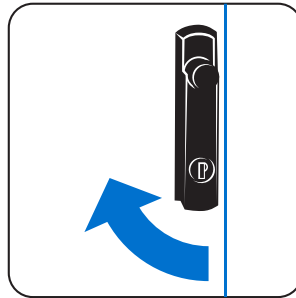
Germany		USA	Japan	Unified Numbering System
Werkstoffnummer	DIN	AISI	JIS	UNS
1.4301	X5CrNi18-10	304	SUS 304	S 30400
1.4305	X8CrNiS18-9	303	SUS 303	S 30300
1.4310	X10CrNi18-8	301	SUS 301	S 30100
1.4401	X5CrNiMo17-12-2	316	SUS 316	S 31600
1.4571	X6CrNiMoTi17-12-2	316Ti	SUS 316Ti	S 31635



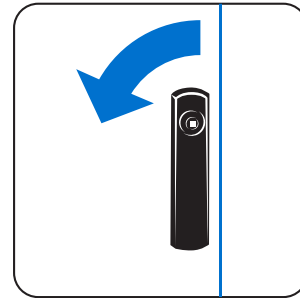
LEFT HAND DOOR, RIGHT HAND DOOR, AND OPENING DIRECTION



LH Door
Hinges are on the left side



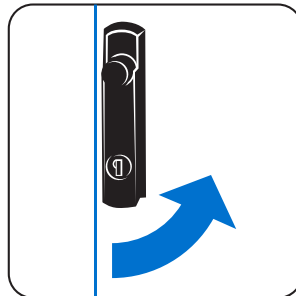
LH Door with swinghandle
Opening direction is clockwise



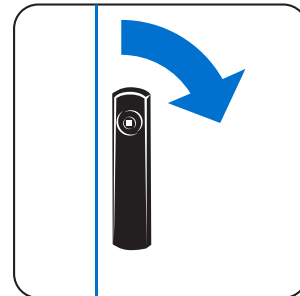
LH Door with escutcheon
Opening direction is counter-clockwise



RH Door
Hinges are on the right side



RH Door with swinghandle
Opening direction is counter-clockwise

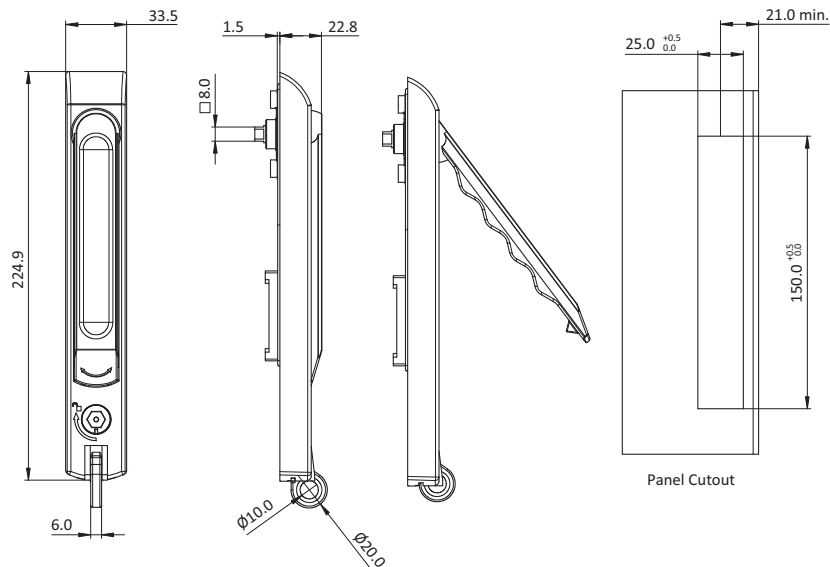


RH Door with escutcheon
Opening direction is clockwise

ErgoSafe Swing Handle

Benefits

- Fits into existing door handle 25mm x 150mm cutout
- Security features of the ErgoSafe include the traditional protection of a Telco style tool lock, the added protection a padlock and a **third** layer of vandal resistant technology unique to the industry (patent pending)
- Certified to Telcordia GR 487 R3-91[179] Torque test, R3-260[165] Salt Fog and IP65
- New Ergonomic Comfort Grip Handle



Material

Escutcheon:
PA 30% glass filled

Handle:
Die cast zinc

All other components:
316 Stainless Steel

Insert Type:	TELCO 216 C 5/16 Hex with 0.125 Pin	TELCO 216 C 7/16 Hex	8mm Triangular Insert
Cam control	0813478	0813479	0850184
2pt rod control	0813179	0813475	0850185
3pt rod control	0813476	0813477	0850186

Lever Handle

Benefits

- Fits into existing door handle 25mm x 150mm cutout
- Standard FH333 cylinder lock. Other lock options available upon request
- Vertical lifting action disengages the latch opening and closing the door in a single motion
- One, two or three point cam options available
- Tool-less installation or dust cap mounting option
- New Ergonomic Comfort Grip Handle



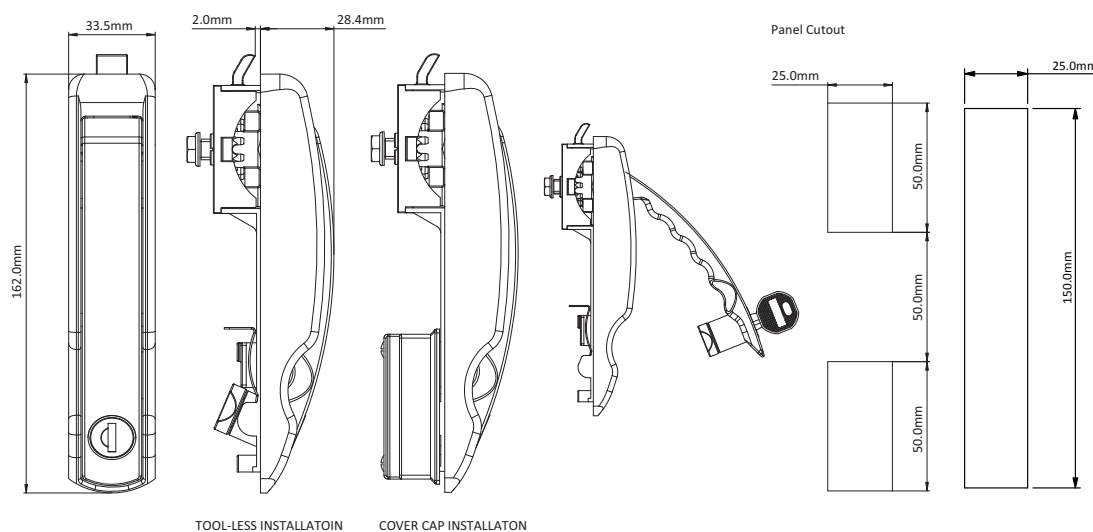
Material

Escutcheon: PA 30% glass filled

Handle: PA 30% glass filled

Gears: Die cast zinc

All other components: Zinc plated mild steel



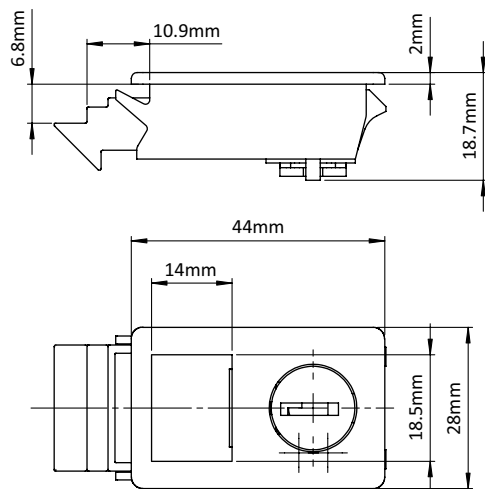
Mounting panel thickness 1.0-2.0mm

	Standard Operation		Spring Assist Operation		Constant Friction Operation	
	Door Hinged Right Side	Door Hinged Left Side	Door Hinged Right Side	Door Hinged Left Side	Door Hinged Right Side	Door Hinged Left Side
Tool-Less Installation	0813569	0850112	0813569S01	0850112S01	0813569S02	0850112S02
Dust Cap Installation	0850111	0850113	0850111S01	0850113S01	0850111S02	0850113S02

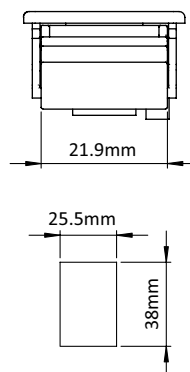
Slide Latch Key Lockable / Snap In

Benefits

- Fits into 25.5mm X 38.0mm cutout
- Standard FH333 cylinder lock
Other lock options available on request
- Snap in installation
- Also available without key locking



Panel Cutout



Material

PA 30% glass filled

Slide Latch

Part #

Key Lockable / Snap In

0810094S01

Gravity Latch

Benefits

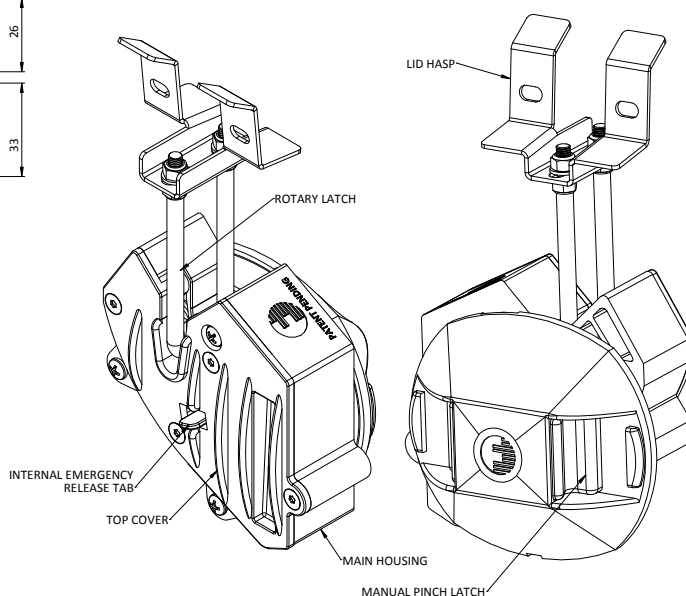
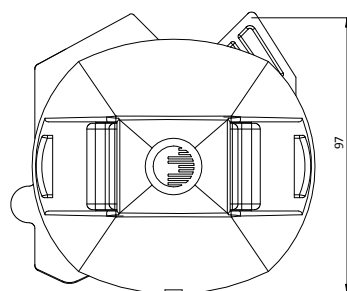
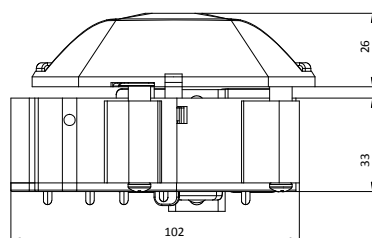
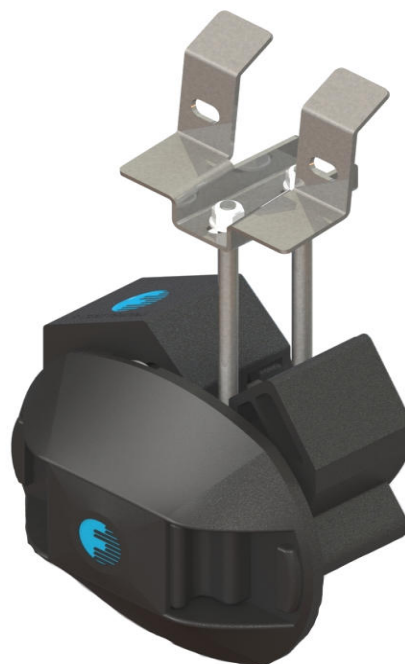
- Reliably makes garbage bins resistant to animals
- Opens automatically for garbage automated garbage truck hauling
- Remains closed when bin is tossed
- Compatible with a wide range of different bins sizes, styles and manufacturers
- Easy to open Pinch Latch for the home owner

Material

- PA 30% glass filled
- Die cast zinc
- 316 Stainless Steel

All Hardware:

316 Stainless Steel



Universal Gravity Latch

0850166

Lid Hasp is Customized For Each Bin Manufacturer

Environmental Lab Corrosion Test Chamber

**NEW
TESTING
CAPABILITY**

Singleton Corp SCCH 21 Corrosion Test Chamber

Salt fog, CASS, Corrodkote, Humidity

Performs a wide range of accelerated
corrosion tests including

- ASTM B117
- ASTM B368 (CASS)
- ASTM D1735

- ISO 9227
- DIN 50027
- ASTM G85
(A1)(A2)(A3)(A4)



ASTM Certified Technicians
Application and Use Of Salt Fog,
Humidity, Cyclic and Gas Tests



**American Systems
REGISTRAR**
5281 Clyde Park Ave. SW, Suite 1
Wyoming, MI 49509 USA
www.asrworldwide.com
616-942-6273



American Systems Registrar, LLC, a provider of third-party system registration and accredited by the ANSI-ASQ National Accreditation Board attests that:

FATH, INC.

**6533 HAZELTINE NATIONAL DRIVE #3
ORLANDO, FL 32822**

with a scope of:

***WAREHOUSE & DISTRIBUTION OF METAL & PLASTIC
INDUSTRIAL HARDWARE & COMPONENTS***

has established a quality management system that is in conformance with the International Quality System Standard

ISO 9001:2015

ASR Certificate Number:	5759
Date of Certification:	August 16, 2017
Date of Certification Expiration:	August 15, 2020
Date of Initial Registration:	August 18, 2014
Revision:	
Re-Issue Date:	

President

CERTIFICATE OF REGISTRATION

INDUSTRIAL HARDWARE

CHAPTER 1: QUARTER TURN LOCKS



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SMALL QUARTER TURN LOCKS

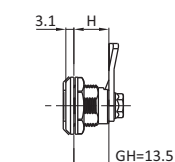
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Die-cast zinc

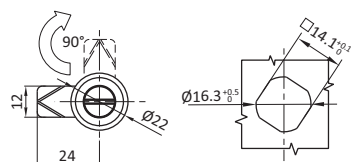
Surface Black powder coated / chrome plated

Specials Right and left
IP65 / NEMA 4

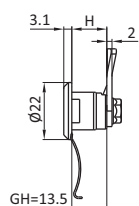
With Nut Mounting



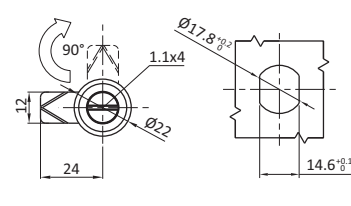
Panel Cutout A



With Spring Fixing Plate



Panel Cutout B



Handle Type



Triangular 6.5mm



Square 6mm



Slot 1.5



Small Quarter Turn Locks	Cylinder style	Cam style	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	316 SS
Nut mounting	Square 6.0mm	H = 7.5 mm	0810448	0810447	0810591
		H = 13.5 mm	0810596	0810595	0810597
		H = 19.5 mm	0810608	0810607	0810609
	Triangular 6.5mm	H = 7.5 mm	0810450	0810449	0810592
		H = 13.5 mm	0810599	0810598	0810600
		H = 19.5 mm	0810611	0810610	0810612
	Slot 1.5mm	H = 7.5 mm	0810452	0810451	0810593
		H = 13.5 mm	0810602	0810601	0810603
		H = 19.5 mm	0810614	0810613	0810615
	Handle type	H = 7.5 mm	0810454	0810453	0810594
		H = 13.5 mm	0810605	0810604	0810606
		H = 19.5 mm	0810617	0810616	0810618
Spring mounting	Square 6.0mm	H = 7.5 mm	0810620	0810619	0810621
		H = 13.5 mm	0810632	0810631	0810633
		H = 19.5 mm	0810644	0810643	0810645
	Triangular 6.5mm	H = 7.5 mm	0810623	0810622	0810624
		H = 13.5 mm	0810635	0810634	0810636
		H = 19.5 mm	0810647	0810646	0810648
	Slot 1.5mm	H = 7.5 mm	0810626	0810625	0810627
		H = 13.5 mm	0810638	0810637	0810639
		H = 19.5 mm	0810650	0810649	0810651
	Handle type	H = 7.5 mm	0810629	0810628	0810630
		H = 13.5 mm	0810641	0810640	0810642
		H = 19.5 mm	0810653	0810652	0810654



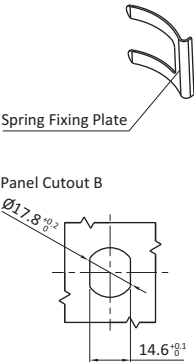
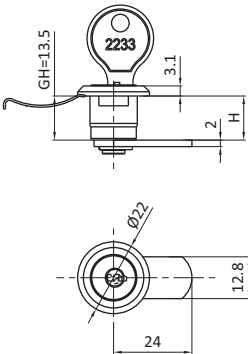
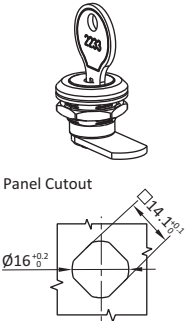
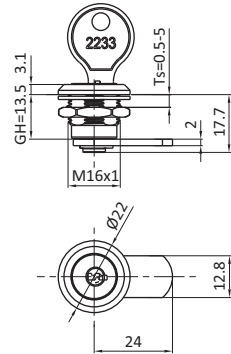
SMALL KEYED QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.
Key code 2233

Material Die-cast zinc

Surface Black powder coated / chrome plated

Specials Key code FH2233



Small Keyed Quarter Turn Locks

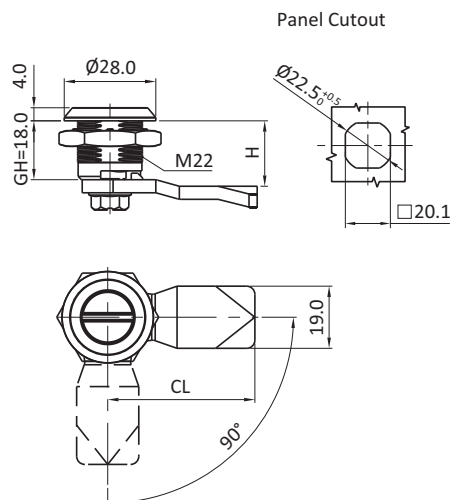
Die-cast Zinc,
black powder coated

Die-cast Zinc,
chrome plated

Nut mount	0810524	0810525
Spring mount	0811003	0811004

Accessories see pages 114-119

QUARTER TURN LOCKS

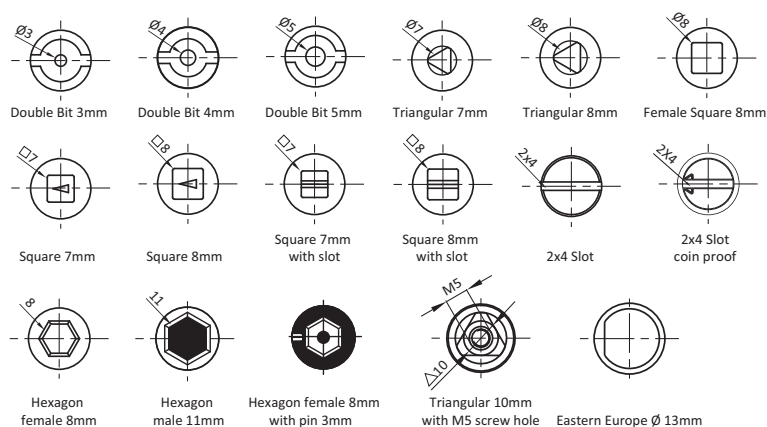


Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Die-cast zinc / 304 stainless steel / PA

Surface Black powder coated / chrome plated

Specials Right and left
IP65 / NEMA 4



Insert Type	Size [mm]	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	PA Housing with Die-cast Zinc Insert	SS 304
Double bit	3.0	0810142	0810124	0810534	0810159
Double bit	4.0	0810143	0810125	0810535	0810160
Double bit	5.0	0810144	0810126	0810536	0810161
2 x 4 slot		0810145	0810127	0810537	0810127E
Coin Proof		0810145S01	0810145S02	0810538	
Triangular	7.0	0810146	0810128	0810539	0810162
Triangular	8.0	0810147	0810129	0810540	0810163
Square	6.0	0810554	0810555	0810541	
Square	7.0	0810148	0810130	0810542	0810164
Square	8.0	0810149	0810131	0810543	0810165
Square with slot	7.0	0810150	0810132	0810544	*
Square with slot	8.0	0810151	0810133	0810545	*
Female square	7.0	0810152	0810134	0810546	*
Female hexagon	8.0	0810153	0810135	0810547	*
Female hexagon	9.0	0810153S01	0810135S01	0810548	*
Female hexagon	10.0	0810560	0810561	0810549	*
Female hexagon with 3 mm pin (Bellcore Standard)	5/16"	0810154	0810136	0810550	*
Male hexagon	11.0	0810155	0810137	0810551	*
Eastern Europe	13.0	0810556	0810557	0810552	*
Triangular with M5 Screw Hole	10.0	0810558	0810559	0810553	*
Keyed FH333		0810141	0810123		0810123E

Compatible cams see pages 195-202
Accessories see pages 114-119

* Special order

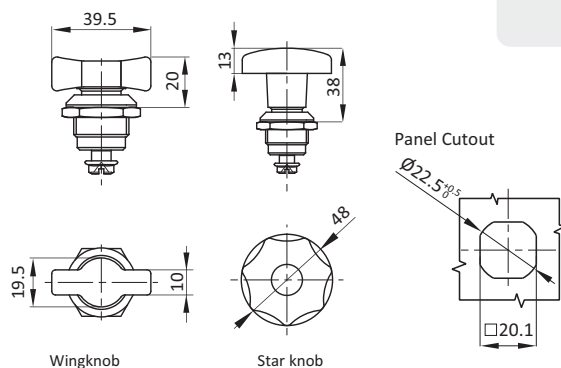
QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Die-cast zinc
Cam: Mild steel

Surface Black powder coated / chrome plated
Cam: Zinc plated

Specials Right and left
IP65 / NEMA 4
Keyed different on request
FH751 Key code on request



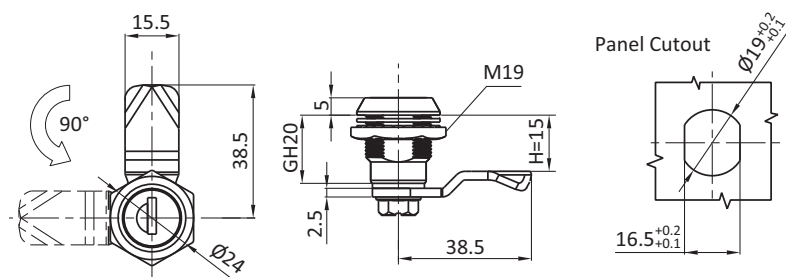
Quarter Turn Locks

Die-cast Zinc,
black powder coated

Die-cast Zinc,
chrome plated

Wing knob	0810156	0810138
Star knob	0810158	0810140

Compatible cams see pages 195-202
Accessories see pages 114-119



Quarter Turn Locks

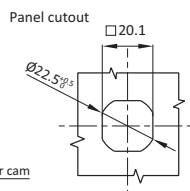
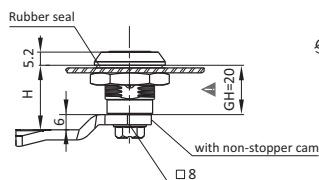
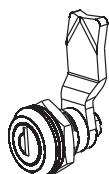
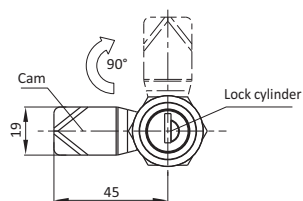
Die-cast Zinc,
black powder coated

Die-cast Zinc,
chrome plated

Key lock	0810714	0810715
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Compatible cams see pages 195-202
Accessories see pages 114-119
Keyed different on request
FH751 key code on request

QUARTER TURN LOCK



Description For easy and secure latching and locking of doors and flaps.
 Wide range of inserts, cams, and accessories.

Material Die-cast zinc

Surface Black powder coated / chrome plated

Specials Right and left
 IP65 / NEMA 4

Quarter Turn Lock

Die-cast Zinc,
black powder coated

Die-cast Zinc,
chrome plated

Key can be removed in open and closed position	0811013	0811014
Key can not be removed in open position	0811015	0811016

Compatible cams see pages 195-202
 Accessories see pages 114-119

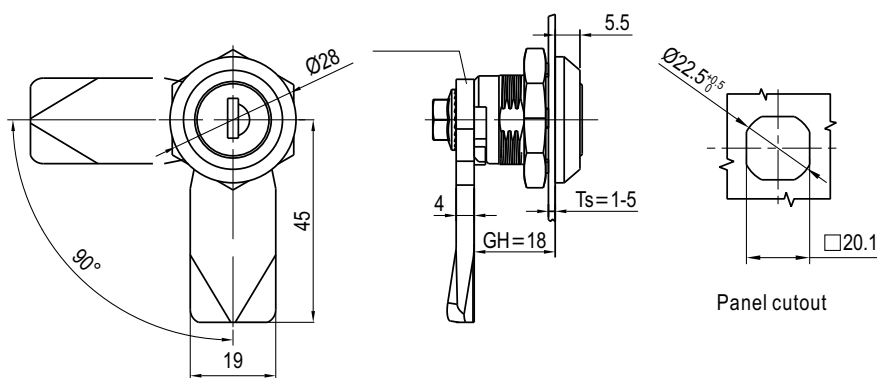


Description For easy and secure latching and locking of doors and flaps.
 Wide range of inserts, cams, and accessories.

Material Die-cast zinc

Surface Black powder coated / chrome plated / PA

Specials Right and left
 IP65 / NEMA 4



Quarter Turn Lock

Die-cast Zinc,
Chrome Plated

Die-cast Zinc,
Black Powder

PA

Keyed FH333	0811013	0810141	0810141K
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Compatible cams see pages 195-202
 Accessories see pages 114-119

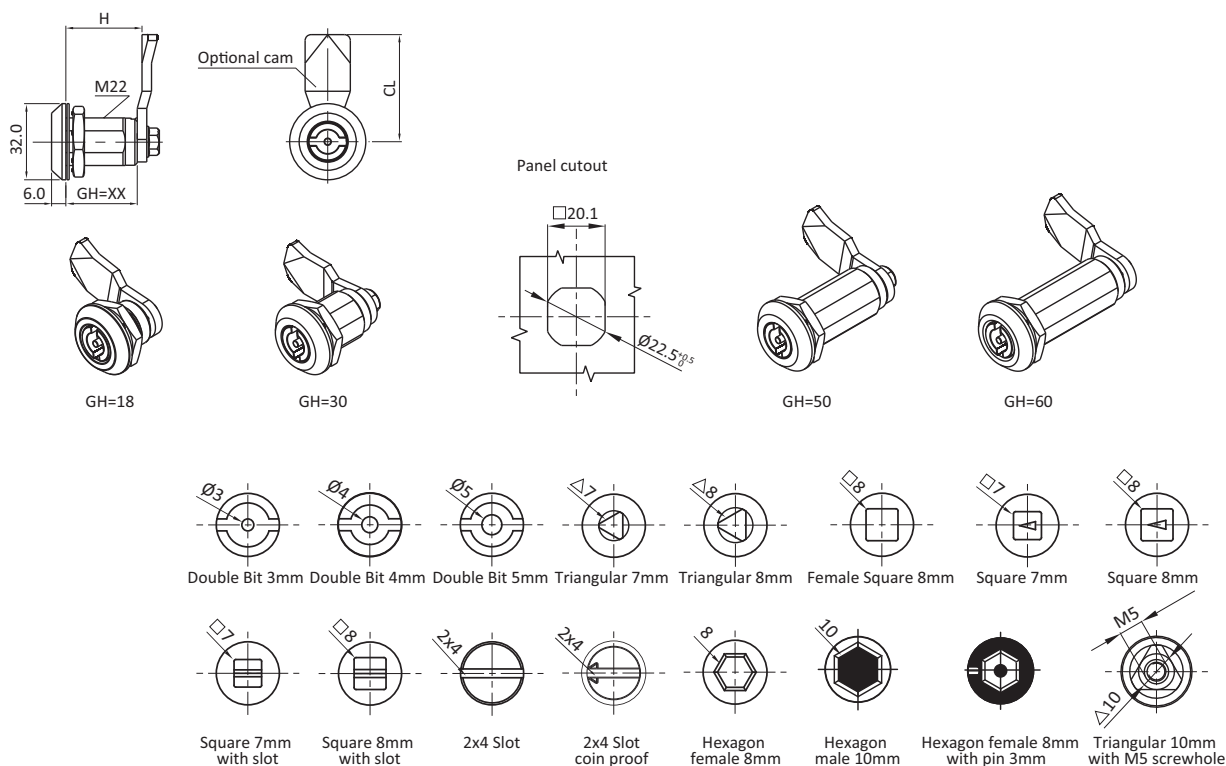
QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps with padlock option.
Wide range of inserts, cams, and accessories.
Two and four padlock holes.

Material Die-cast zinc / stainless steel

Surface Black powder coated

Specials Right and left



Quarter Turn Locks	Cylinder type	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	PA Housing and die cast insert	Full 316 SS
Housing GH = 18	Double bit 3mm	0810729	0810730	0810731	0810732
	Double bit 4mm	0810737	0810738	0810739	0810740
	Double bit 5mm	0810745	0810746	0810747	0810748
	Slot 2 x 4	0810753	0810754	0810755	0810756
	Slot 2 x 4 coin proof	0810761	0810762	0810763	0810764
	Triangular 7mm	0810769	0810770	0810771	0810772
	Triangular 8mm	0810777	0810778	0810779	0810780
	Square 7mm	0810785	0810786	0810787	0810788
	Square 8mm	0810793	0810794	0810795	0810796
	Square 7mm with slot	0810801	0810802	0810803	0810804
	Square 8mm with slot	0810809	0810810	0810811	0810812
	Square 8mm female	0810817	0810818	0810819	0810820
	Hexagon 8mm female	0810825	0810826	0810827	0810828
	Hexagon 9mm female	0810833	0810834	0810835	0810836
	Hexagon 8mm female with 3mm pin	0810841	0810842	0810843	0810844
	Hexagon male 11mm	0810849	0810850	0810851	0810852
	Triangular 10mm with M5 screw hole	0810857	0810858	0810859	0810860



Quarter Turn Locks	Cylinder type	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	PA Housing and die cast insert	Full 316 SS
Housing GH = 30	Double bit 3mm	0810733	0810734	0810735	0810736
	Double bit 4mm	0810741	0810742	0810743	0810744
	Double bit 5mm	0810749	0810750	0810751	0810752
	Slot 2 x 4	0810757	0810758	0810759	0810760
	Slot 2 x 4 coin proof	0810765	0810766	0810767	0810768
	Triangular 7mm	0810773	0810774	0810775	0810776
	Triangular 8mm	0810781	0810782	0810783	0810784
	Square 7mm	0810789	0810790	0810791	0810792
	Square 8mm	0810797	0810798	0810799	0810800
	Square 7mm with slot	0810805	0810806	0810807	0810808
	Square 8mm with slot	0810813	0810814	0810815	0810816
	Square 8mm female	0810821	0810822	0810823	0810824
	Hexagon 8mm female	0810829	0810830	0810831	0810832
	Hexagon 9mm female	0810837	0810838	0810839	0810840
	Hexagon 8mm female with 3mm pin	0810845	0810846	0810847	0810848
	Hexagon male 11mm	0810853	0810854	0810855	0810856
	Triangular 10mm with M5 screw hole	0810861	0810862	0810863	0810864
Housing GH = 36	Double bit 3mm	0810865	0810866	0810867	0810868
	Double bit 4mm	0810873	0810874	0810875	0810876
	Double bit 5mm	0810881	0810882	0810883	0810884
	Slot 2 x 4	0810889	0810890	0810891	0810892
	Slot 2 x 4 coin proof	0810897	0810898	0810899	0810900
	Triangular 7mm	0810905	0810906	0810907	0810908
	Triangular 8mm	0810913	0810914	0810915	0810916
	Square 7mm	0810921	0810922	0810923	0810924
	Square 8mm	0810929	0810930	0810931	0810932
	Square 7mm with slot	0810937	0810938	0810939	0810940
	Square 8mm with slot	0810945	0810946	0810947	0810948
	Square 8mm female	0810953	0810954	0810955	0810956
	Hexagon 8mm female	0810961	0810962	0810963	0810964
	Hexagon 9mm female	0810969	0810970	0810971	0810972
	Hexagon 8mm female with 3mm pin	0810977	0810978	0810979	0810980
	Hexagon male 11mm	0810985	0810986	0810987	0810988
	Triangular 10mm with M5 screw hole	0810993	0810994	0810995	0810996
Housing GH = 40	Double bit 3mm	0810869	0810870	0810871	0810872
	Double bit 4mm	0810877	0810878	0810879	0810880
	Double bit 5mm	0810885	0810886	0810887	0810888
	Slot 2 x 4	0810893	0810894	0810895	0810896
	Slot 2 x 4 coin proof	0810901	0810902	0810903	0810904
	Triangular 7mm	0810909	0810910	0810911	0810912
	Triangular 8mm	0810917	0810918	0810919	0810920
	Square 7mm	0810925	0810926	0810927	0810928
	Square 8mm	0810933	0810934	0810935	0810936
	Square 7mm with slot	0810941	0810942	0810943	0810944
	Square 8mm with slot	0810949	0810950	0810951	0810952
	Square 8mm female	0810957	0810958	0810959	0810960
	Hexagon 8mm female	0810965	0810966	0810967	0810968
	Hexagon 9mm female	0810973	0810974	0810975	0810976
	Hexagon 8mm female with 3mm pin	0810981	0810982	0810983	0810984
	Hexagon male 11mm	0810989	0810990	0810991	0810992
	Triangular 10mm with M5 screw hole	0810997	0810998	0810999	08101000

Compatible cams see pages 195-202
Accessories see pages 114-119

QUARTER TURN LOCKS

Housing	Cylinder Type	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
GH = 50	Double bit 3mm	0850043	0850044
	Double bit 4mm	0850047	0850048
	Double bit 5mm	0850051	0850052
	Slot 2 x 4	0850055	0850056
	Slot 2 x 4 coin proof	0850059	0850060
	Triangular 7mm	0850063	0850064
	Triangular 8mm	0850067	0850068
	Square 7mm	0850071	0850072
	Square 8mm	0850075	0850076
	Square 7mm with slot	0850079	0850080
	Square 8mm with slot	0850083	0850084
	Square 8mm female	0850087	0850088
	Hexagon 8mm female	0850091	0850092
	Hexagon 9mm female	0850095	0850096
	Hexagon 8mm female with 3mm pin	0850099	0850100
	Hexagon male 10mm	0850103	0850104
	Triangular 10mm with M5 screw hole	0850107	0850108
GH = 60	Double bit 3mm	0850045	0850046
	Double bit 4mm	0850049	0850050
	Double bit 5mm	0850053	0850054
	Slot 2 x 4	0850057	0850058
	Slot 2 x 4 coin proof	0850061	0850062
	Triangular 7mm	0850065	0850066
	Triangular 8mm	0850069	0850070
	Square 7mm	0850073	0850074
	Square 8mm	0850077	0850078
	Square 7mm with slot	0850081	0850082
	Square 8mm with slot	0850085	0850086
	Square 8mm female	0850089	0850090
	Hexagon 8mm female	0850093	0850094
	Hexagon 9mm female	0850097	0850098
	Hexagon 8mm female with 3mm pin	0850101	0850102
	Hexagon male 10mm	0850105	0850106
	Triangular 10mm with M5 screw hole	0850109	0850110

Compatible cams see pages 195-202
Accessories see pages 114-119



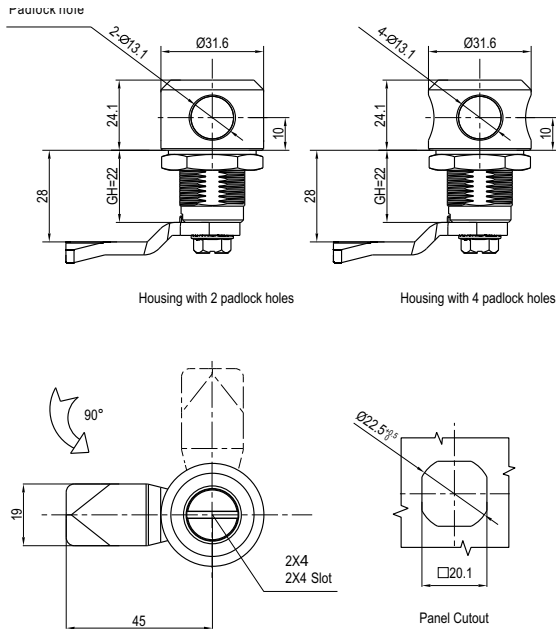
PAD LOCK COMPATIBLE QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps with padlock option.
Wide range of inserts, cams, and accessories.
Two and four padlock holes.

Material Die-cast zinc / stainless steel

Surface Black powder coated

Specials Right and left



Pad Lock Compatible Quarter Turn Locks	Insert Type	GH = 18	GH = 22	GH = 22
		Die-cast Zinc black powder coated	Die-cast Zinc black powder coated	Full 316 SS
Housing with two padlock holes	Double bit 3mm	0810563	0810571	0810579
	Double bit 4mm	0810564	0810572	0810580
	Double bit 5mm	0810565	0810573	0810581
	Slot 2 X 4	0810566	0810574	0810582
	Triangular 7mm	0810567	0810575	0810583
	Triangular 8mm	0810568	0810576	0810584
	Square 7mm	0810569	0810577	0810585
	Square 8mm	0810570	0810578	0810586
Housing with four padlock holes	Double bit 3mm	0811142	0812142	0812142E
	Double bit 4mm	0811143	0812143	0812143E
	Double bit 5mm	0811144	0812144	0812144E
	Slot 2 X 4	0811145	0812145	0812145E
	Triangular 7mm	0811146	0812146	0812146E
	Triangular 8mm	0811147	0812147	0812147E
	Square 7mm	0811148	0812148	0812148E
	Square 8mm	0811149	0812149	0812149E

Compatible cams see pages 195-202
Accessories see pages 114-119

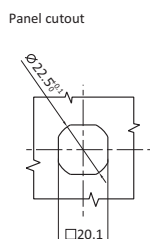
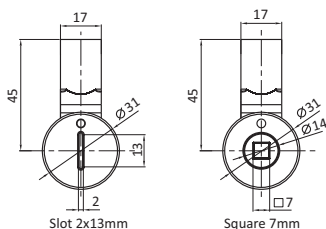
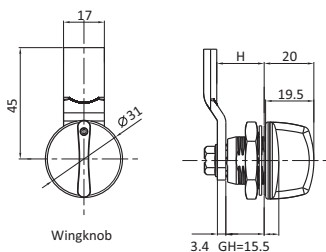
LOW PROFILE QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
Wide range of cams and accessories.

Material Die-cast zinc
Cam: Mild steel

Surface Black powder coated / chrome plated
Cam: Zinc plated

Specials Right and left
IP65 / NEMA 4



Insert Type	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Short wingknob	0811017	0811020
Long wingknob	0811018	0811021
Slot 2 x 4	0811019	0811022

Compatible cams see pages 195-202
Accessories see pages 114-119

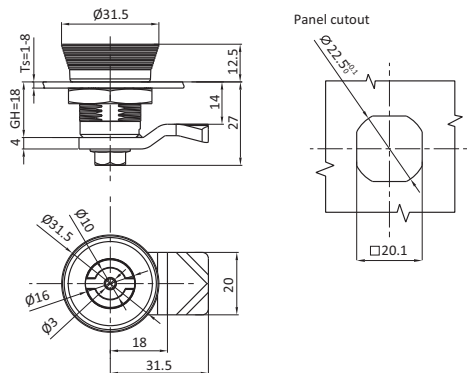
QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
Wide range of cams, and accessories.

Material Die-cast zinc
Cam: Mild steel

Surface Black powder coated / Cup: Turquoise
Cam: Zinc plated

Specials Right and left



Insert Type	Die-cast Zinc, black powder coated	Die-cast Zinc, cup Turquoise
Double bit 3mm	0811023	0811024

Compatible cams see pages 195-202
Accessories see pages 114-119



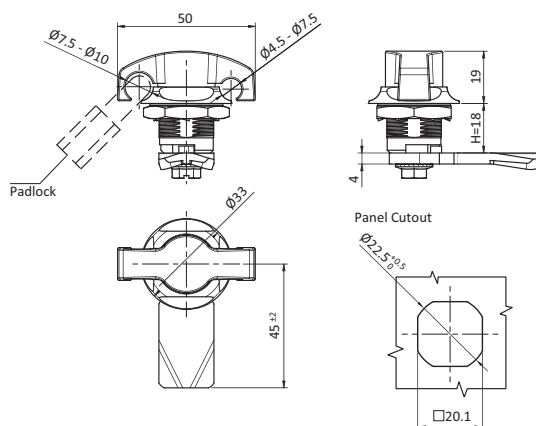
PAD LOCK COMPATIBLE QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
 Wide range of cams and accessories.

Material Die-cast zinc / stainless steel

Surface Black powder coated / chrome plated

Specials Right and left
 IP65 / NEMA 4



Die-cast Zinc,
 black powder coated

Die-cast Zinc,
 chrome plated

Stainless steel

0810182

0810376

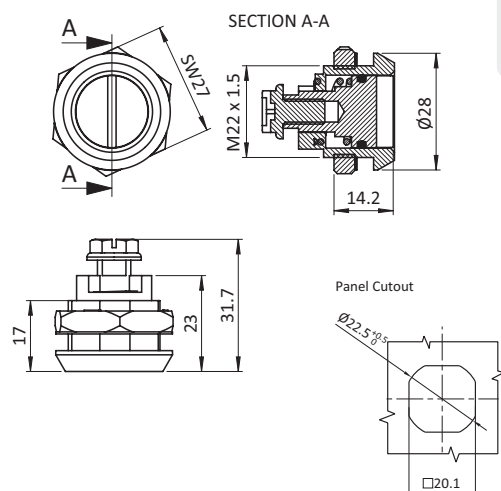
0810182E

Compatible cams see pages 195-202
 Accessories see pages 114-119

SPRING STYLE QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
 Wide range of cams and accessories.

Material 316 SS



Spring Style Quarter Turn Locks

Stainless Steel

2 x 4 slot

0810127ES01

Compatible cams see pages 195-202
 Accessories see pages 114-119

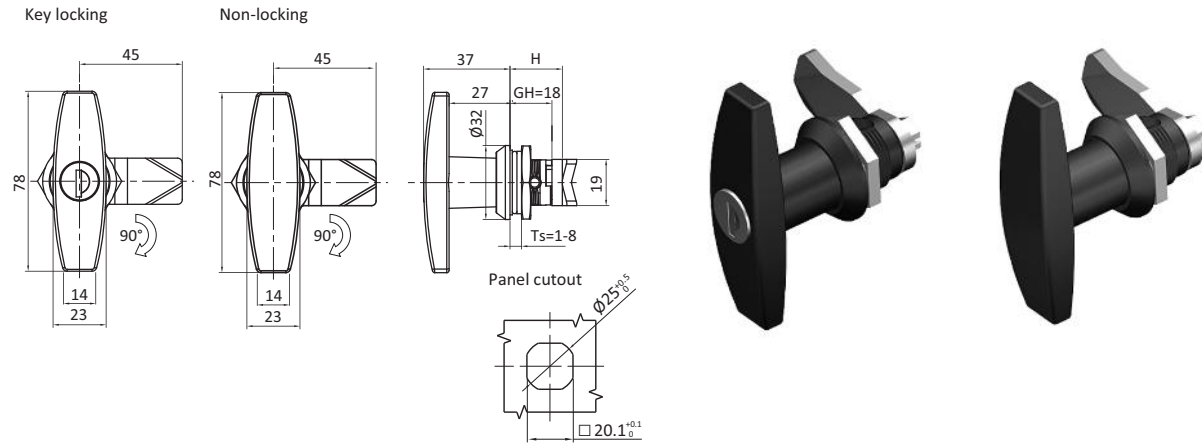
T-HANDLE QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Die-cast zinc / stainless steel / PA

Surface Black powder coated / chrome plated

Specials Right and left
 IP65 / NEMA 4



T-Handle Quarter Turn Locks	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	Stainless Steel	PA
Key locking	0810103	0810105	0810105E	0810002
Non-locking	0810104	0810106	0810107	0810001
Phillips Insert	0810103S01			

Compatible cams see pages 195-202

Accessories see pages 114-119

Keyed differently on request

FH751 key code on request

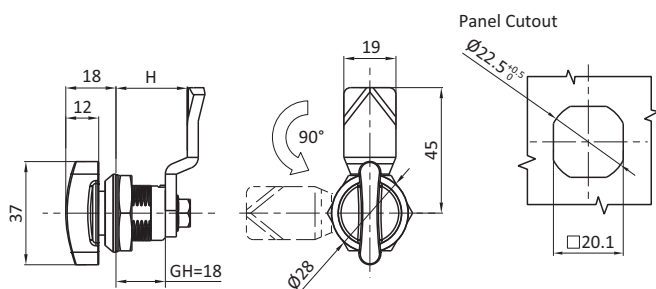
QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
Wide range of cams and accessories.

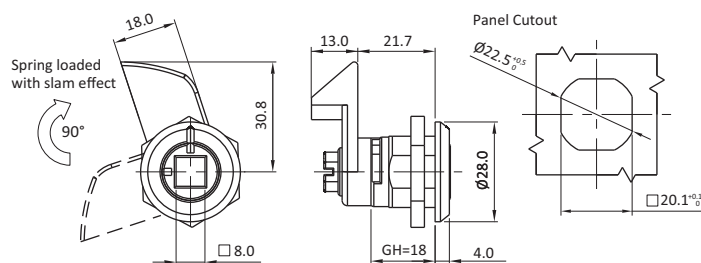
Material Die-cast zinc/316 SS

Surface Black powder coated / chrome plated

Specials Right and Left
IP65 / NEMA 4



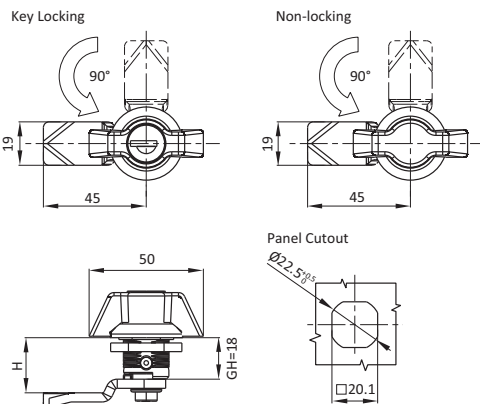
Quarter Turn Lock Small Wing	Insert Type	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
	Small wing	0810725	0810726



Quarter Turn Lock Slam Cam	Insert Type	Version	316 SS
	Square female 8mm	Left hand	0810727
		Right hand	0810728

Compatible cams see pages 195-202
Accessories see pages 114-119

WINGKNOB QUARTER TURN LOCKS



Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Die-cast zinc / 316 SS

Surface Black powder coated / chrome plated

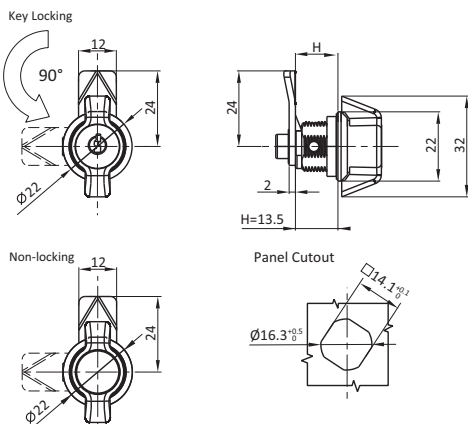
Specials Right and left
IP65 / NEMA 4
Keyed different on request



Wingknob Quarter Turn Locks	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	316 SS
FH333 Key locking	0810168	0810166	0810166E
Non-locking	0810169	0810167	0810167E

Compatible cams see pages 195-202
Accessories see pages 114-119

SMALL WINGKNOB QUARTER TURN LOCKS



Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Die-cast zinc

Surface Black powder coated / chrome plated

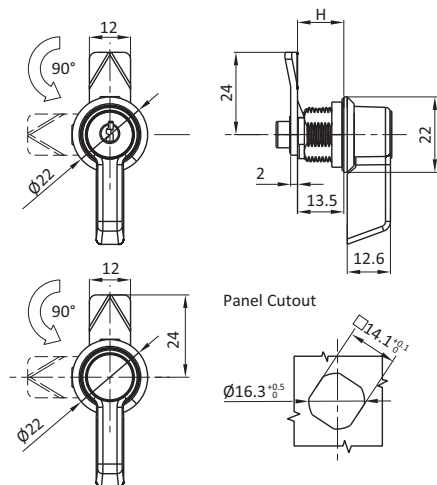
Specials Right and left
IP65 / NEMA 4



Small Wingknob Quarter Turn Lock	H Dimension [mm]	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Non-locking	7.5	0810177S03	0810175S01
	13.5	0810177	0810175
	19.5	0810177S04	0810175S02
Key locking	7.5	0810176S05	0810174S01
	13.5	0810176	0810174
	19.5	0810176S06	0810174S02

Compatible cams see pages 195-202
Accessories see pages 114-119

L-SHAPE QUARTER TURN LOCKS

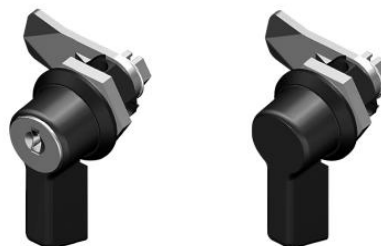


Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Die-cast zinc

Surface Black powder coated / chrome plated

Specials Key code FH2233
 Keyed different on request
 FH751 key code on request



L-Shape Quarter Turn Lock	H Dimension [mm]	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Non-locking	7.5	0810455	0810456
	13.5	0811005	0811009
	19.5	0811006	0811010
Key locking	7.5	0810457	0810458
	13.5	0811007	0811011
	19.5	0811008	0811012

Compatible cams see pages 195-202
 Accessories see pages 114-119

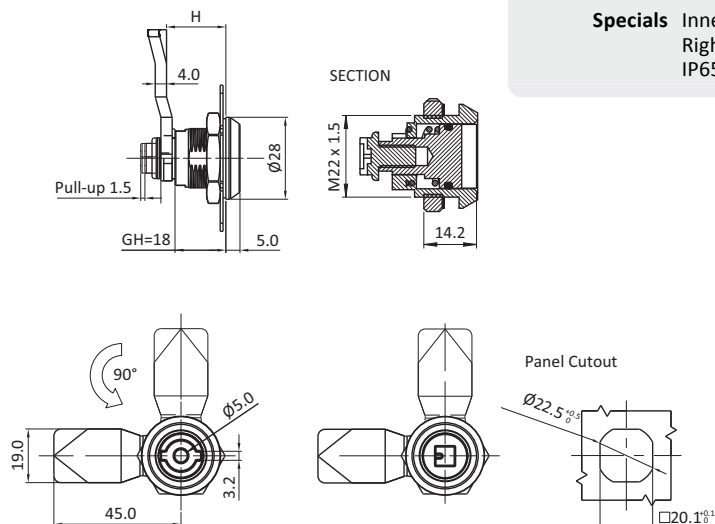
QUARTER TURN LOCK

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

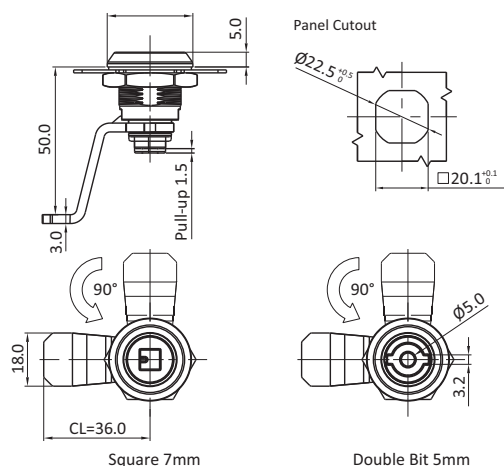
Material Die-cast zinc / 316 SS
 Cam: Mild steel

Surface Black powder coated / chrome plated / RAL 7016 powder coated
 Cam: Zinc plated

Specials Inner spring, O-ring, Pull up 1.5mm
 Right and left
 IP65 / NEMA 4



A	Cylinder Style	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	316 SS
	Double bit 5.0mm	0810716	0810717	
	Square 7.0mm	0810718	0810719	
	Slot 2 x 4			0810720



B	Cylinder Style	Cylinder dimensions	Die-cast Zinc, RAL 7016 powder coated
	Double bit 5.0 mm	S01:CL=30,H=16	0810721
		S02:CL=36,H=50	0810722
	Square 7 mm	S01:CL=30,H=16	0810723
		S02:CL=36,H=50	0810724

Compatible cams see pages 195-202
 Accessories see pages 114-119

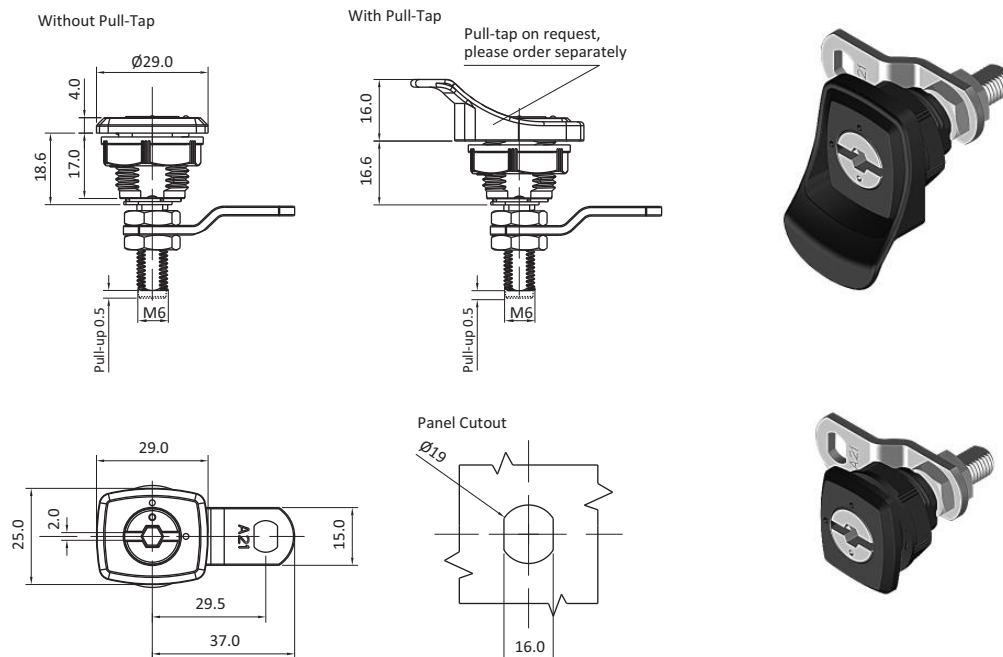
VIBRATION RESISTANT QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps. Wide range of cams and accessories.

Material Die-cast zinc
 Housing and pull: PA
 Cam: Mild Steel

Surface Black powder coated / chrome plated
 Cam: Zinc plated

Specials Right and left



Grip Range MIN – MAX						
Shaft Style	Cylinder Style	without Pull Tab		with Pull Tab		Part #
		Cam forward	Cam reversed	Cam forward	Cam reversed	
Long Shaft	Hex female 5mm with slot insert	19-28	29-38	17-26	37-36	0811025
		14-23	34-43	17-21	32-34	0811026
		9-18	39-48	7-16	37-46	0811027
		24-33		22-31		0811028

Compatible cams see pages 195-202
 Accessories see pages 114-119

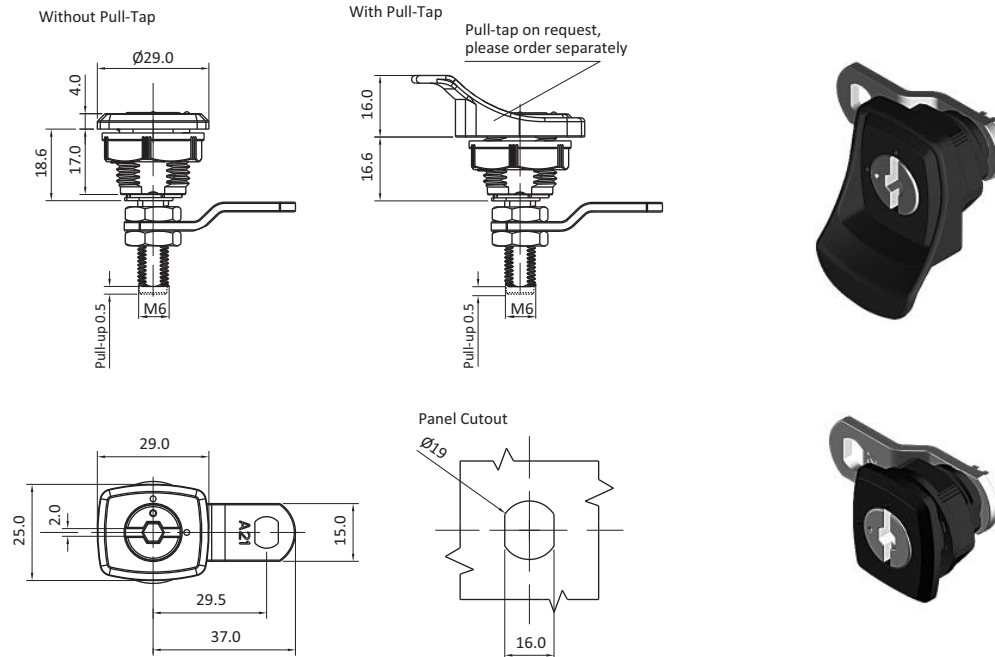
VIBRATION RESISTANT QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
Wide range of cams and accessories.

Material Die-cast zinc
Housing and pull: PA
Cam: Mild Steel

Surface Black powder coated / chrome plated
Cam: Zinc plated

Specials Right and left



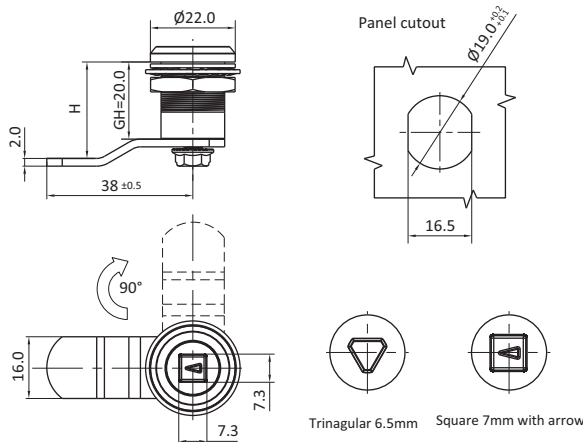
Grip Range MIN – MAX						
Shaft Style	Cylinder Style	without Pull Tab		with Pull Tab		Part #
		Cam forward	Cam reversed	Cam forward	Cam reversed	
Short Shaft	Hex female 5mm with slot insert	13.6	23.6	11.6	21.6	0811029
		8.6	28.6	6.6	26.6	0811030
		3.6	33.6	1.6	31.6	0811031
		18.6		22-31		0811032

QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
Wide range of cams and accessories.

Material Die-cast zinc

Specials Right and left



Push To Close Quarter Turn Locks		Cylinder Style	GH = 20 Die-cast Zinc
Non-locking	Square 7mm with arrow		0810666
	Triangular 6.5mm		0810667

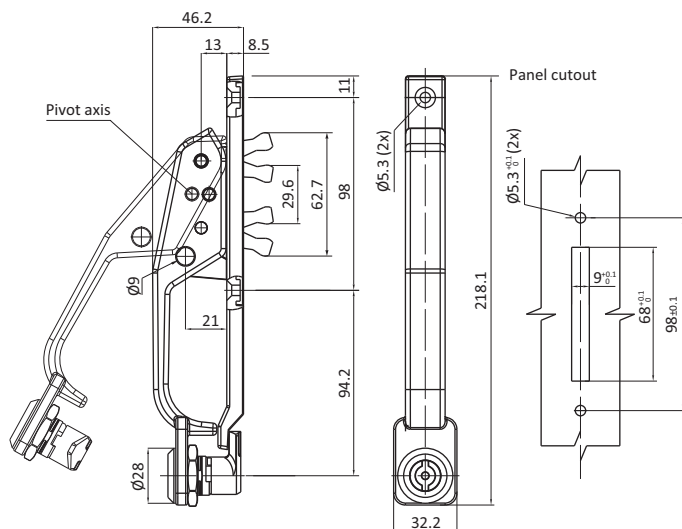
LEVER HANDLE LOCK

Description For easy and secure latching and locking of doors and flaps. Wide range of cams and accessories.

Material Die-cast zinc

Surface Black Powder Coat / Black E-Coat / RAL 7012 Powder Coat

Specials Double Bit 4mm Insert



Push To Close Quarter Turn Locks

Die-cast Zinc,
black powder coated

Die-cast Zinc,
black E-coated

Die-cast Zinc,
RAL 7012 powder coated

0810121

0810122

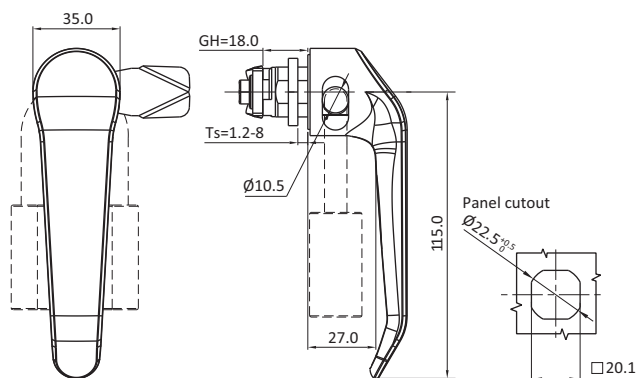
0811037

LEVER HANDLE LOCK

Description For easy and secure latching and locking of doors and flaps. Wide range of cams and accessories.

Material 316 SS, Die Cast zinc

Specials Pad lock compatible



Push To Close Quarter Turn Locks

Die cast Zinc/Black Powder coat

316 SS

0811038S01

0811038



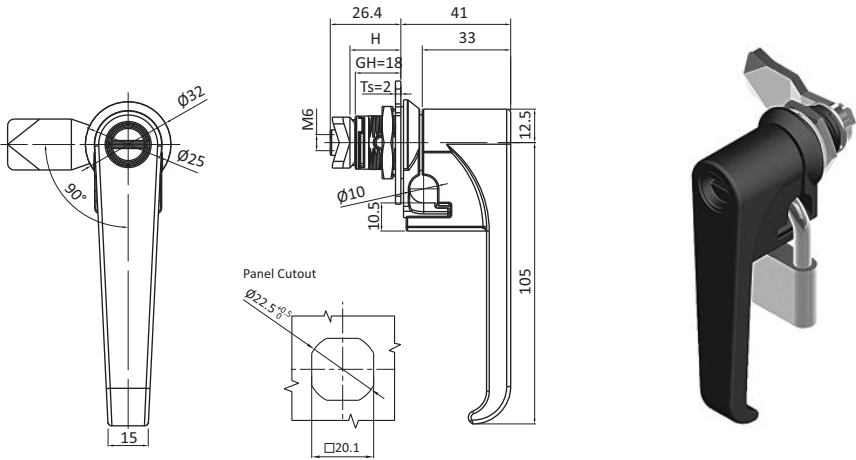
PAD LOCK COMPATIBLE L-HANDLE QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Die-cast zinc

Surface Black powder coated / chrome plated

Specials Right and left
IP65 / NEMA 4



Pad Lock Compatible L-Handle Quarter Turn Locks		Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
2 x 4 coin proof		0810114S03	0810437
Non-locking		0810114S04	0810438

Compatible cams see pages 195-202
Accessories see pages 114-119

L-HANDLE QUARTER TURN LOCKS

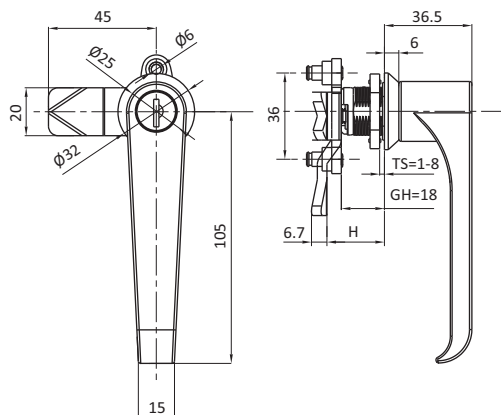
Description For easy and secure latching and locking of doors and flaps.
 Wide range of inserts, cams, and accessories.

Material Die-cast zinc / stainless steel

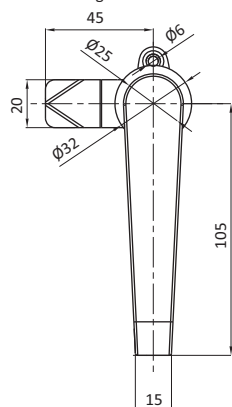
Surface Black powder coated / chrome plated

Specials Right and left
 IP65 / NEMA 4

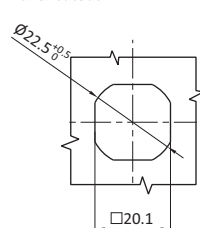
Key locking



Non-locking



Panel Cutout



L-Handle Quarter Turn Locks	Weight [g]	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	Stainless Steel
FH333 Key locking	215	0810112	0810114	0810114E
Non-locking	215	0810113	0810115	0810116

Compatible cams see pages 195-202
 Accessories see pages 114-119
 Keyed differently on request
 CH751 key code on request

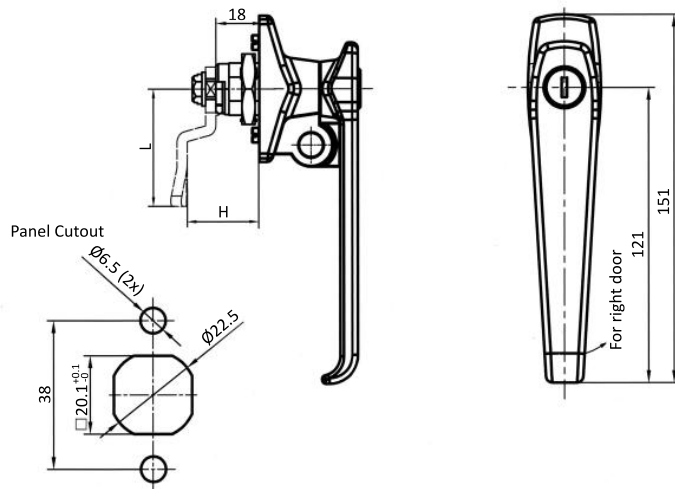


PAD LOCK COMPATIBLE L-HANDLE QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps.
 Wide range of cams, and accessories.

Material Die-cast zinc

Surface Black powder coated / chrome plated



Pad Lock Compatible L-Handle Quarter Turn Locks		Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Key FH333		0810442	0810439
Key FH200		0810443	0810440
Non-locking		0810444	0810441

Compatible cams see pages 195-202
 Accessories see pages 114-119



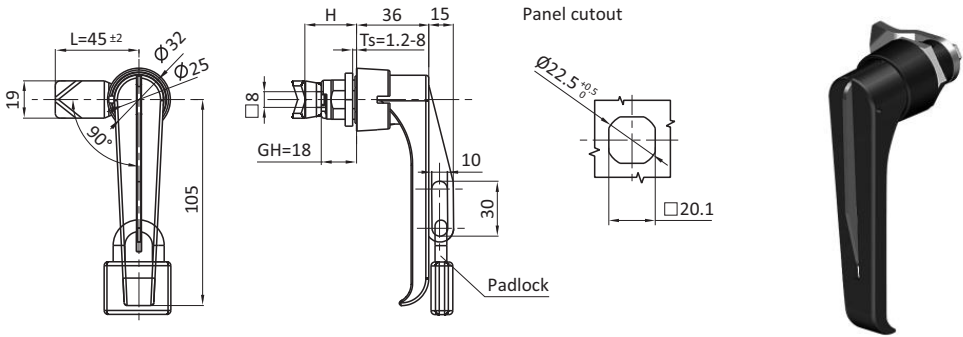
L-HANDLE QUARTER TURN LOCKS

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Die-cast zinc

Surface Black powder coated / chrome plated

Specials Right and left
IP65 / NEMA 4



L-Handle Quarter Turn Locks

Die-cast Zinc,
black powder coated

Die-cast Zinc,
chrome plated

	0810117	0810118
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Compatible cams see pages 195-202
Accessories see pages 114-119



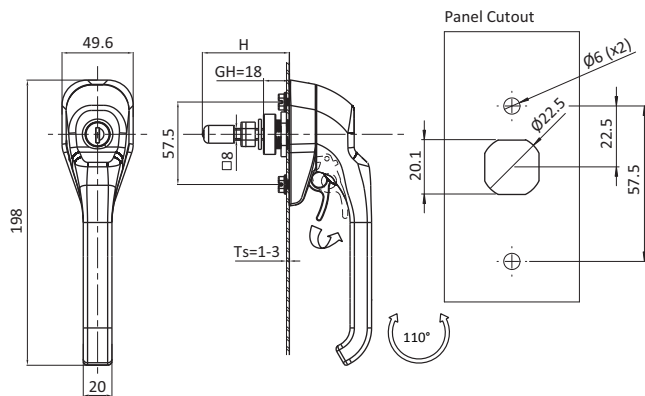
L-HANDLE QUARTER TURN LOCK WITH DEFEATER FUNCTION

Description For easy and secure latching and locking of doors and flaps.
 Two stage unlocking, turn key and then trigger pull.
 Wide range of inserts, cams, and accessories.

Material Die-cast zinc, stainless steel

Surface Black powder coated / chrome plated

Specials Right and Left
 Pad lock compatible



L-Handle Quarter Turn Lock with Defeater Function

Die-cast Zinc,
 black powder coated

316 SS

Key locking (FH333)	0810112S01	0810112S02
Key Locking (FH333) with no defeater	0810112S03	
Non-locking	0810113S01	0810116ES02
2 x 4 Slot	0810117S01	

Compatible cams see pages 195-202



INDUSTRIAL HARDWARE
CHAPTER 2: **COMPRESSION LATCHES**



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TRIGGER LATCH	57
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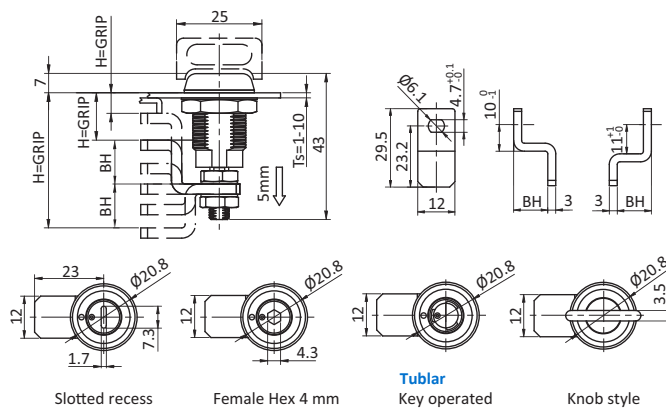
SMALL COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

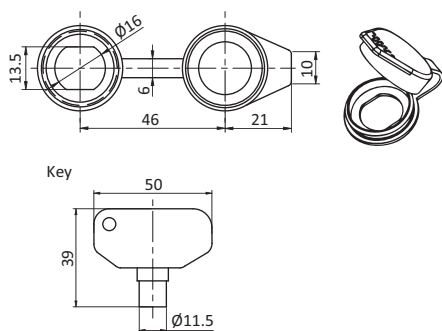
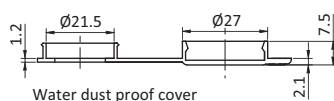
Material Housing and cylinder: Die-cast zinc
Cam: Mild steel

Surface Housing and cylinder: Black powder coated
Cam: Zinc plated

Specials Right and left
IP65 / NEMA 4



Optional Components:



Cylinder Style	3.2 - 6.4 mm	6.4 - 9.5 mm	9.5 - 12.7 mm	12.7 - 15.9 mm	15.9 - 19.0 mm	19.0 - 22.2 mm	22.2 - 25.4 mm	25.4 - 28.6 mm
Slotted Recess	0810203	0810204	0810205	0810206	0810207	0810208	0810209	0810210
Female Hex 4mm	0810211	0810212	0810213	0810214	0810215	0810216	0810217	0810218
Knob Style	0810219	0810220	0810221	0810222	0810223	0810224	0810225	0810226
Tubular Key	0810227	0810228	0810229	0810230	0810231	0810232	0810233	0810234

Accessories see pages 114-119

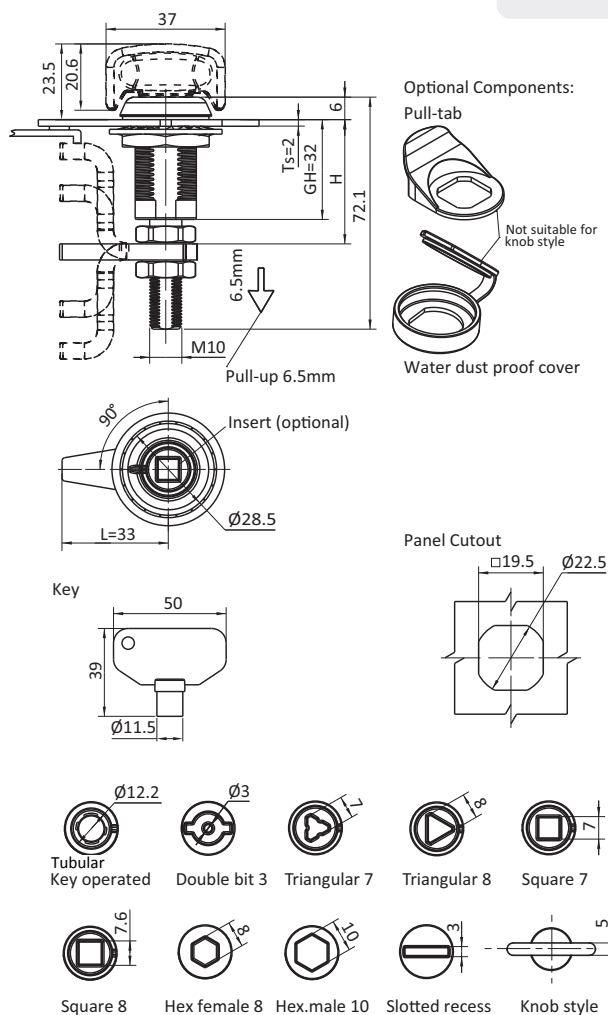
LARGE COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing and cylinder: Die-cast zinc
Cam: Mild steel

Surface Housing and cylinder: Black powder coated
Cam: Zinc plated

Specials Right and left
IP65 / NEMA 4



Cam Style	Grip Range [mm]	Tubular Key Operated	Double Bit 3mm	Triangular 7mm	Triangular 8mm	Square 7mm	Square 8mm	Slotted Recess	Hex Female 8mm	Hex Male 10mm	Knob Style
Reversed	11.4 - 27.2	0810237	0810240	0810243	0810355	0810358	0811039	0810361	0810364	0810367	0810370
	25.4 - 41.1	0810238	0810241	0810244	0810356	0810359	0811040	0810362	0810365	0810368	0810371
Straight	38.9 - 54.6	0810239	0810242	0810245	0810357	0810360	0811041	0810363	0810366	0810369	0810372
Offset	52.6 - 68.3	0810238	0810241	0810244	0810356	0810359	0811040	0810362	0810365	0810368	0810371
	66.3 - 76.2	0810237	0810240	0810243	0810355	0810358	0811039	0810361	0810364	0810367	0810370

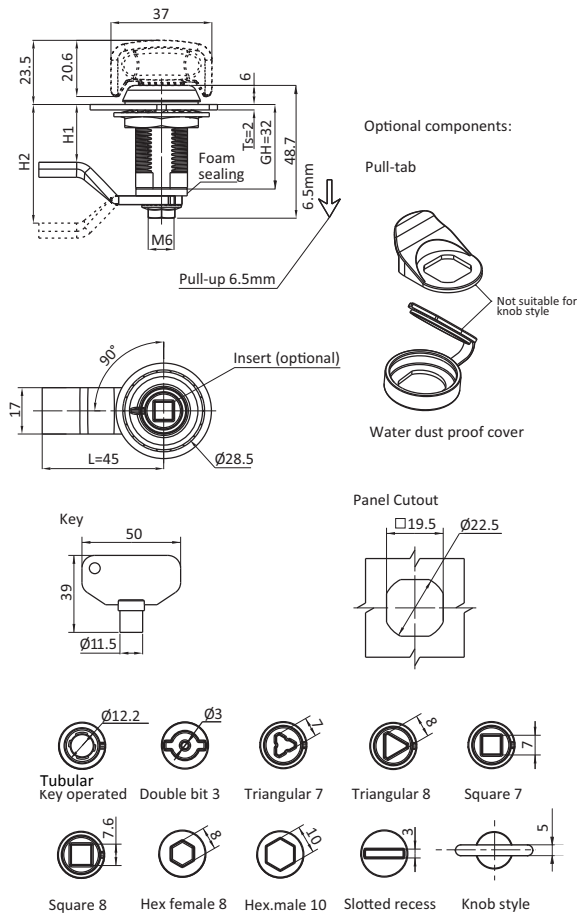
LARGE COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing and cylinder: Die-cast zinc
Cam: mild steel

Surface Housing and cylinder: Black powder coated
Cam: zinc plated

Specials Right and left



Large Compression Latches

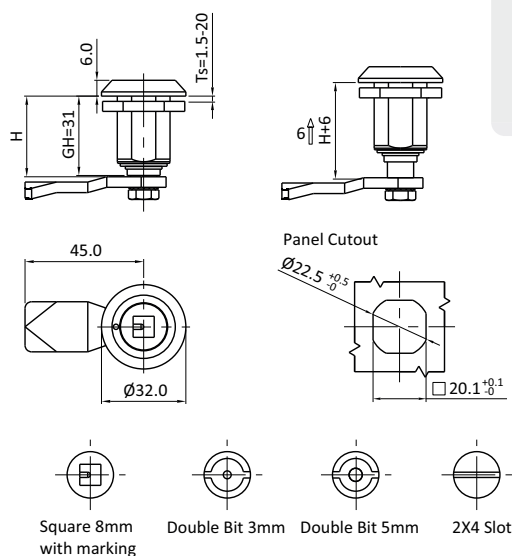
Cylinder Style

Part

	Tubular Key	0810488
	Double Bit w. 4mm Pin	0810489
	Triangle 7 mm	0810490
	Triangle 8 mm	0810491
	Square 7 mm	0810492
	Square 8 mm	0810493
	Slotted Recess	0810494
	Female Hex 8 mm	0810495
	Male Hex 10 mm	0810496
	Knob Style	0810497

Compatible cams see pages 195-202
Accessories see pages 114-119

LARGE COMPRESSION LATCHES



Description For easy, secure, and compressive latching and locking of doors and flaps.

Material 316 SS

Specials Right and Left
 IP65 / NEMA 4
 Spring and Seal



Large Compression Latches

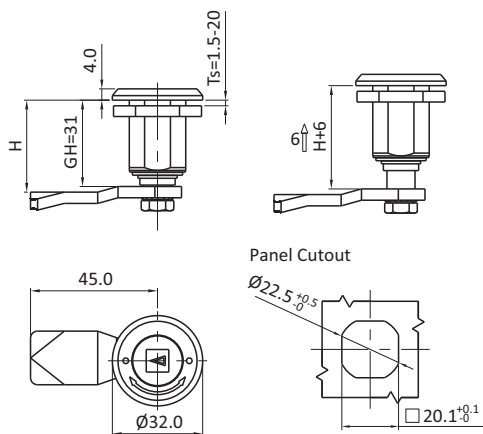
Cylinder Style

Part

Square 8mm	0813126
Slot 2 x 4 mm	0813127
Double bit 3mm	0813128
Double bit 5mm	0813129

Compatible cams see pages 195-202
 Accessories see pages 114-119

LARGE COMPRESSION LATCHES



Description For easy, secure, and compressive latching and locking of doors and flaps.

Material 316 SS

Specials Right and Left
 IP65 / NEMA 4
 Spring and Seal
 Arrowhead and red-green marking



Large Compression Latches

Cylinder Style

Left

Right

Square 8mm	0813130	0813131
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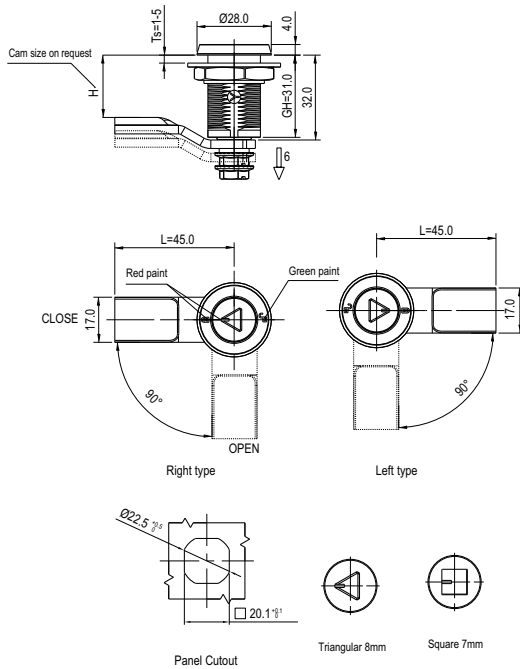
Compatible cams see pages 195-202
 Accessories see pages 114-119

LARGE COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material 316 SS

Specials Right and Left



Large Compression Latches	Cylinder Style	Right	Left
	Square 7mm	0813058	0813059
	Triangular 8mm	0813060	0813061

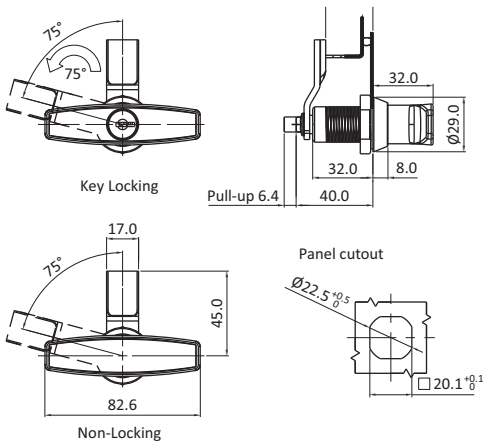
Compatible cams see pages 195-202
 Accessories see pages 114-119

T-HANDLE COMPRESSION LATCHES - SHORT SHAFT

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Handle and Housing: Die cast zinc
Shaft: Mild steel

Surface Handle and Housing: Black powder coated
Shaft: Zinc plated



T-Handle Compression Latches - Short Shaft

FH751 Key locking

Non-locking

0850142

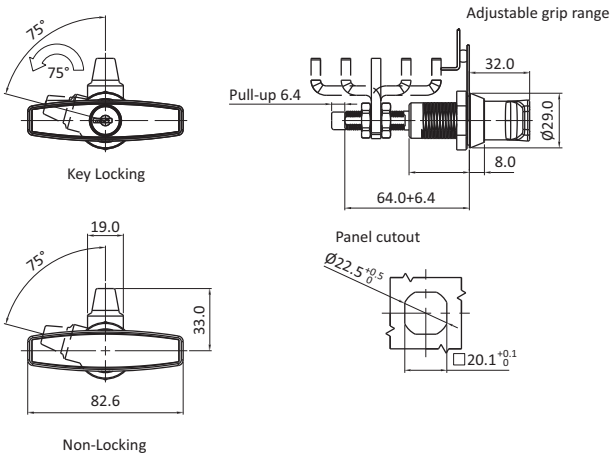
0850143

T-HANDLE COMPRESSION LATCHES - LONG SHAFT

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Handle and Housing: Die cast zinc
Shaft: Mild steel

Surface Handle and Housing: Black powder coated
Shaft: Zinc plated



T-Handle Compression Latches - Long Shaft

Grip Range

Minimum

Maximum

FH751 Key locking

Non-locking

11.4

27.2

0850144

0850147

25.4

41.1

0850145

0850148

38.9

54.6

0850146

0850149

52.6

68.3

0850145

0850148

66.3

76.2

0850144

0850147

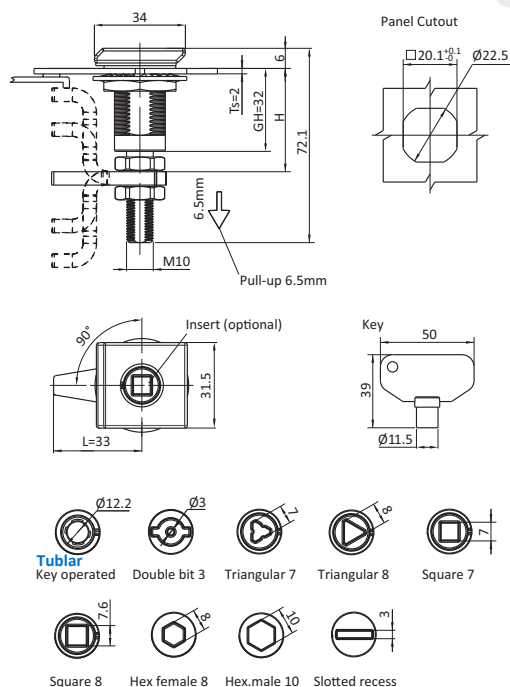
SQUARE FACE COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing and cylinder: Die-cast zinc
Cam: Mild steel

Surface Housing and cylinder: Black powder coated
Cam: Zinc plated

Specials Right and left
IP65 / NEMA 4



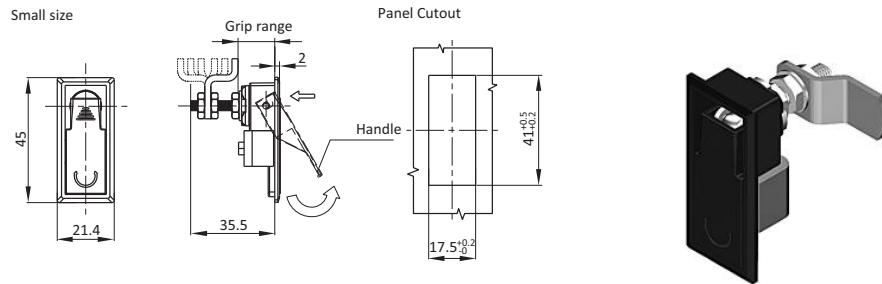
Shaft Style	Cam Style	Grip Range [mm]	Tublar Key Operated	Double Bit 3mm	Triangular 7mm	Triangular 8mm	Square 7mm	Square 8mm	Slotted Recess	Hex Female 8mm	Hex Male 10mm
Long Shaft	Reversed	11.4 - 27.2	0813072	0813073	0813074	0813075	0813076	0813077	0813078	0813079	0813080
		25.4 - 41.1	0813081	0813082	0813083	0813084	0813085	0813086	0813087	0813088	0813089
	Straight	38.9 - 54.6	0813090	0813091	0813092	0813093	0813094	0813095	0813096	0813097	0813098
		52.6 - 68.3	0813081	0813082	0813083	0813084	0813085	0813086	0813087	0813088	0813089
		66.3 - 76.2	0813072	0813073	0813074	0813075	0813076	0813077	0813078	0813079	0813080

HANDLE COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing and cylinder: Die-cast zinc
 Cam: Mild steel

Surface Housing and cylinder: Black powder coated / chrome plated
 Cam: Zinc plated



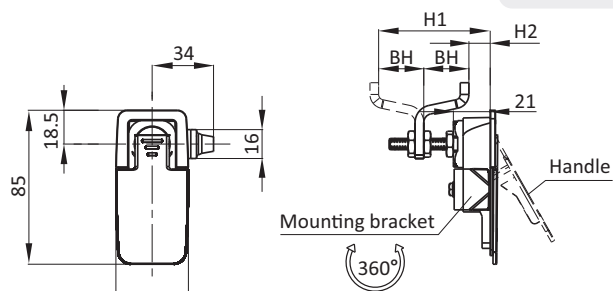
Cylinder Style	Cam forward Min - Max [mm]	Cam reversed Min - Max [mm]	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Non-Locking	4.5 - 10.5	34.5 - 40.5	0813318	0813319
	10.5 - 16.5	28.5 - 34.5	0813320	0813321
	16.5 - 22.5	22.5 - 28.5	0813322	0813323

HANDLE COMPRESSION LATCHES

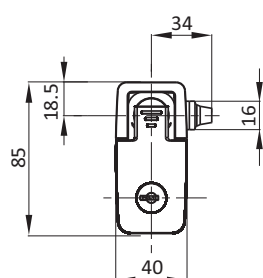
Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing and cylinder: Die-cast zinc
Cam: Mild steel

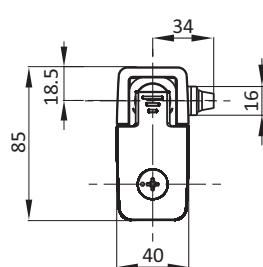
Surface Housing and cylinder: Black powder coated / chrome plated
Cam: Zinc plated



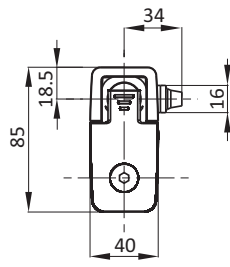
Non-locking



Key locking



Tool locking



Hexagon female 4.5



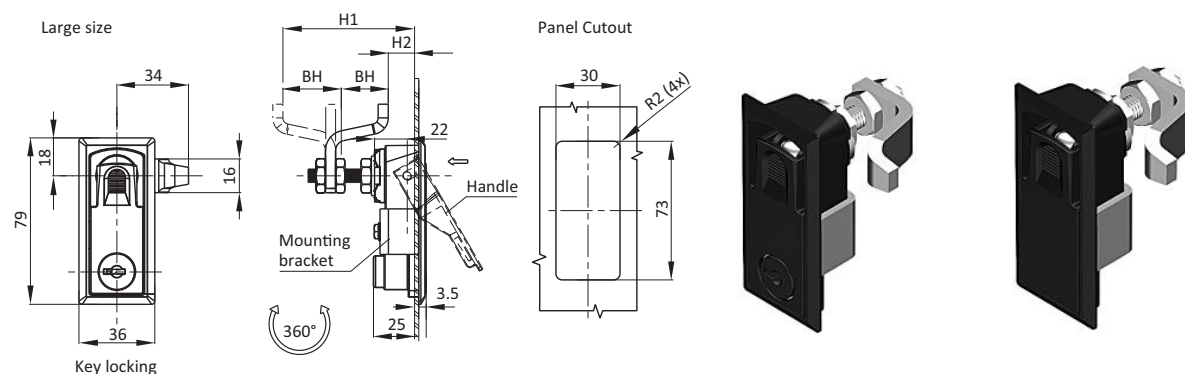
Cylinder Style	Cam forward Min - Max [mm]	Cam reversed Min - Max [mm]	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Non-Locking	6 - 16	56 - 66	0810039	0810048
	16 - 26	46 - 56	0810040	0810010
	26 - 36	36 - 46	0810041	0810011
Key locking FH751	6 - 16	56 - 66	0810042	0810012
	16 - 26	46 - 56	0810043	0810049
	26 - 36	36 - 46	0810044	0810050
Phillips locking	6 - 16	56 - 66	0810045	0810051
	16 - 26	46 - 56	0810046	0810052
	26 - 36	36 - 46	0810047	0810053
Hexagon female 4.5	6 - 16	56 - 66	0811044	0811047
	16 - 26	46 - 56	0811045	0811048
	26 - 36	36 - 46	0811046	0811049
	16 - 24	46 - 66	0810046S01	

HANDLE COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing and cylinder: Die-cast zinc
 Cam: Mild steel

Surface Housing and cylinder: Black powder coated / chrome plated
 Cam: Zinc plated



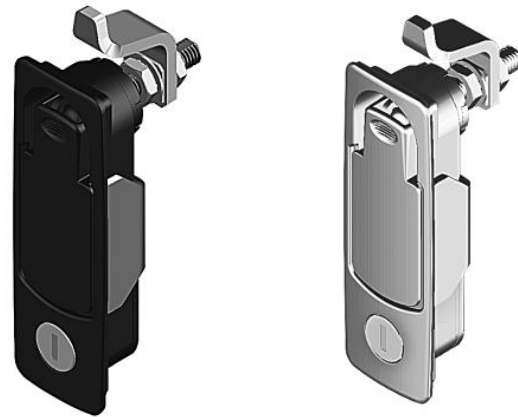
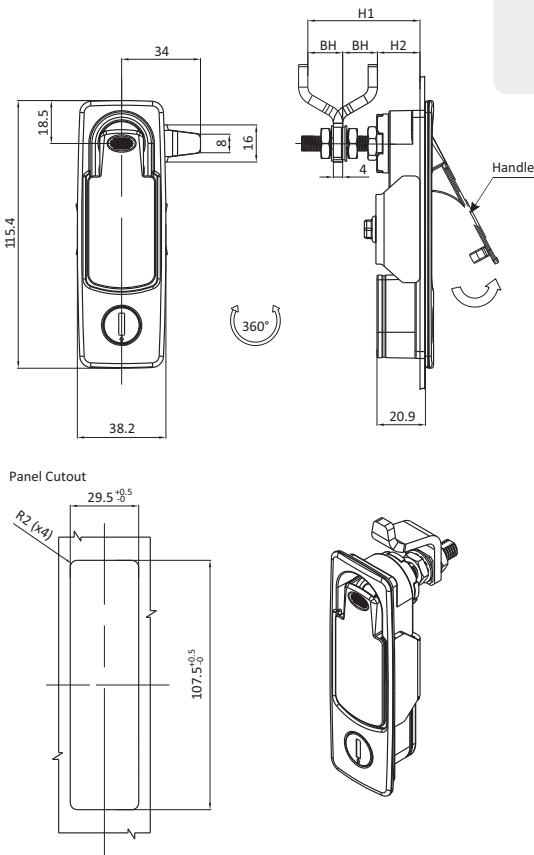
Cylinder Style	Cam forward Min - Max [mm]	Cam reversed Min - Max [mm]	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Non-Locking	6 - 16	56 - 66	0811050	0811051
	16 - 26	46 - 56	0811052	0811053
	26 - 36	36 - 46	0811054	0811055
Key locking FH751	6 - 16	56 - 66	0811056	0811057
	16 - 26	46 - 56	0811058	0811059
	26 - 36	36 - 46	0811060	0811061
Tool locking	6 - 16	56 - 66	0811062	0811063
	16 - 26	46 - 56	0811064	0811065
	26 - 36	36 - 46	0811066	0811067

HANDLE COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing, handle, and trigger: Die-cast zinc
Cam: Mild steel

Surface Housing, handle, and trigger:
Black powder coated / chrome plated
Cam: Zinc plated



Cylinder Style	Cam forward Min - Max [mm]		Cam reversed Min - Max [mm]		Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
FH1245 Key locking	6 - 16		56 - 66		0811068	0811071
	1 - 11		15 - 30		0811069	0811072
	1 - 11		15 - 30		0811070	0811073

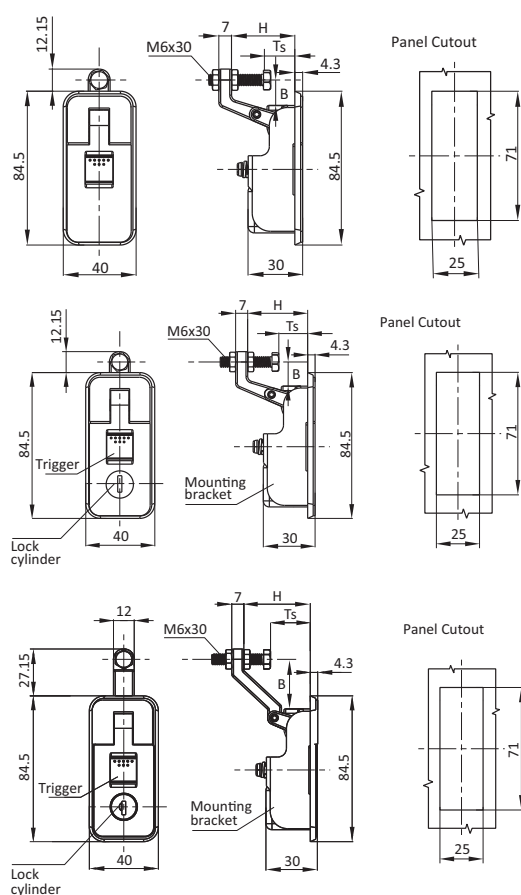


HANDLE COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing and handle: Die-cast zinc
 Bolt and trigger: Mild steel

Surface Housing and handle: Black powder coated
 Bolt and trigger: Zinc plated



Grip Range [mm]	Lock Style	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
1 - 25	Non-locking	0810498	0810499
	Key locking w. shutter (CH751)	0810500	0810501
15 - 30	Non-locking	0810502	0810503
	Key locking w. shutter (CH751)	0810504	0810505

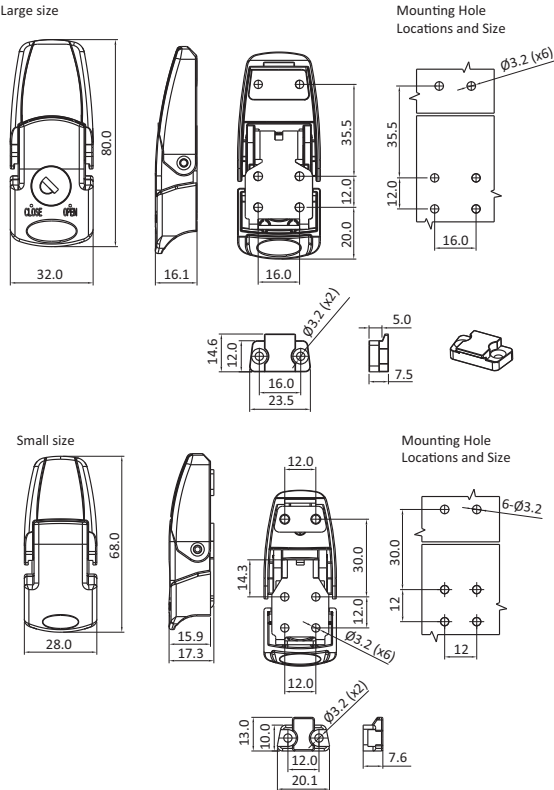
OVER-CENTER DRAW LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Die-cast zinc

Surface Black powder coated / chrome plated

COL



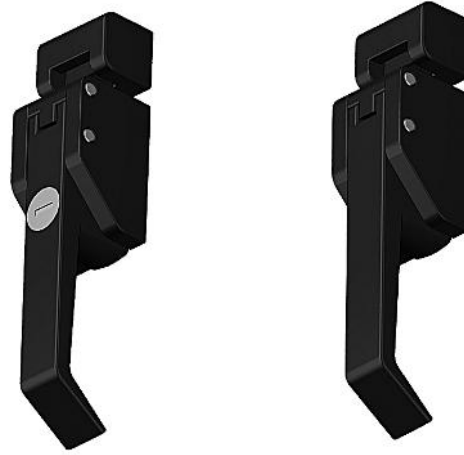
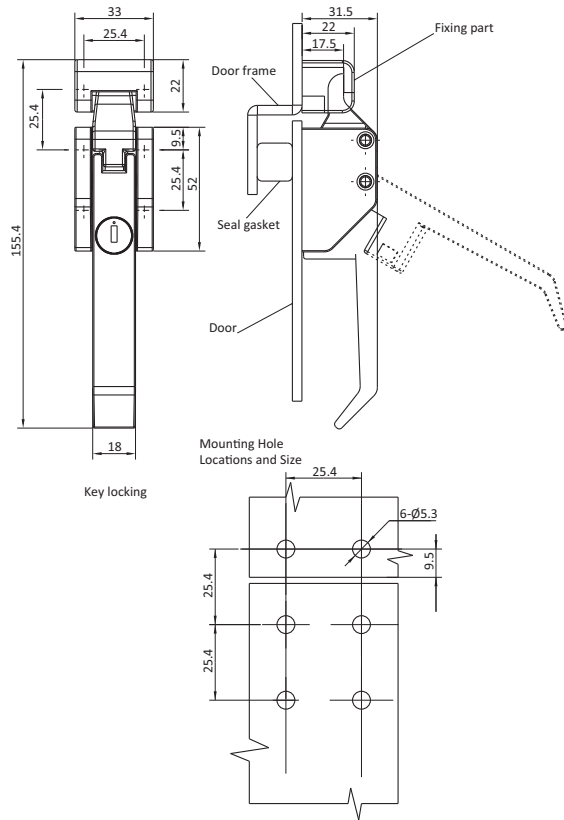
Over-Center Draw Latches		Lock Style	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Large	Non-locking		0810099	0810101
	Key locking FH200		0810095	0810097
Small	Non-locking		0810100	0810102
	Key locking FH200		0810096	0810098

OVER-CENTER DRAW LATCH

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Die-cast zinc / 316 SS

Surface Black powder coated / Chrome plated



Screw Hole	Lock Style	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated	316 SS
M5 x 0.8	FH751 locking	0810433	0810435	0810434
	Non-locking	0810430	0810432	0810431
10 - 32UNC	FH751 locking	0813052	0813053	0813054
	Non-locking	0813055	0813056	0813057



OVER-CENTER DRAW LATCHES

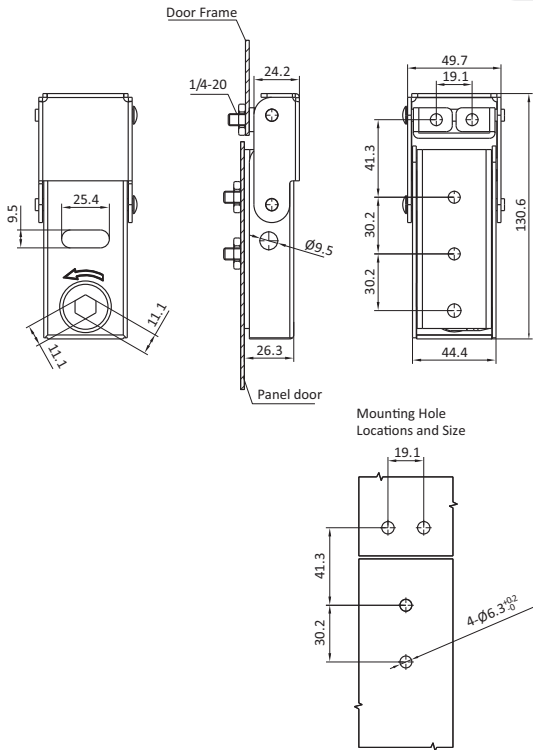
Description For easy, secure, and compressive latching and locking of doors and flaps.

Material 304 / 316 SS / Mild Steel

Surface Zinc plated

Specials Pad lock compatible

COL



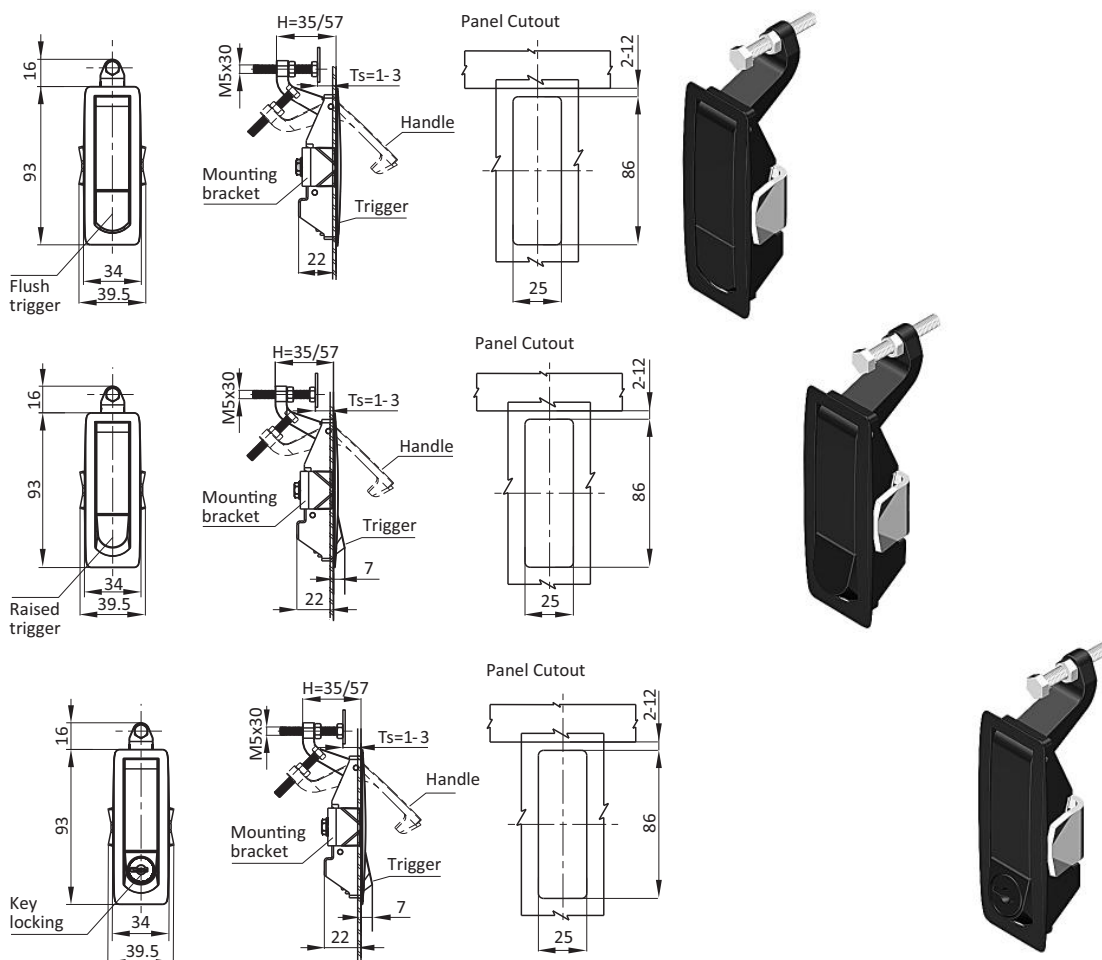
Over-Center Draw Latches	Material	Part #
	316 SS	0813062
	304 SS	0813063
	Mild Steel	0813064

TRIGGER LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing, handle, and trigger: Die-cast zinc
Bolt: Mild steel

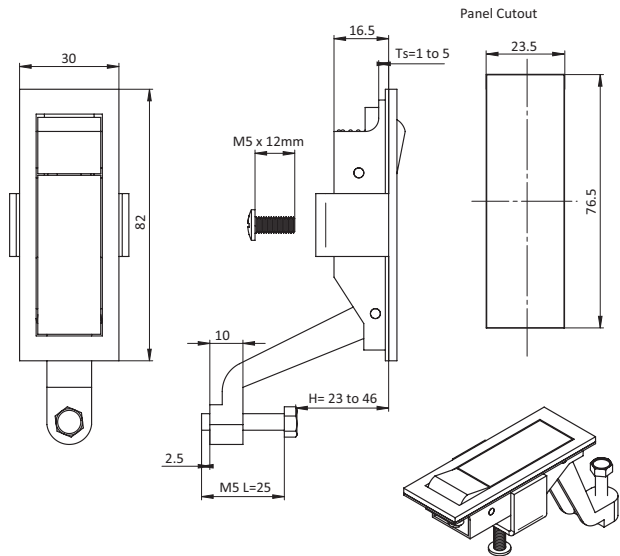
Surface Housing, handle, and trigger:
Black powder coated / chrome plated
Bolt: Zinc plated



Trigger Latches	Trigger Style	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Short arm Grip range 1 - 24 mm	Non-locking raised trigger	0810056	0810060
	Non-locking flush trigger	0810057	0810061
	FH751 key locking	0810058	0810062
	Phillips Drive	0811074	0811076
	FH751 key locking with shutter	0810059	0810063
	Hexagon female 4.5mm	0811075	0811077
Long arm Grip range 23 - 46 mm	Non-locking raised trigger	0810064	0810068
	Non-locking flush trigger	0810065	0810069
	FH751 key locking	0810066	0810070
	Phillips Drive	0811078	0811080
	FH751 key locking with shutter	0810067	0810071
	Hexagon female 4.5mm	0811079	0811081

TRIGGER LATCH

Description For easy, secure, and compressive latching and locking of doors and flaps.
Material 304 SS / die-cast zinc
Surface Black powder coated / Chrome plated



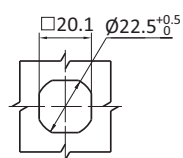
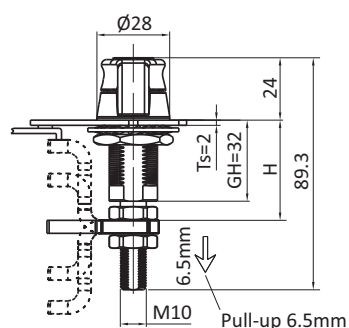
Trigger Latch	Grip Range [mm]	Version	Part #
	23 - 46	Die-cast zinc, chrome plated	0810093
	23 - 46	304 SS	0810093E
	23 - 46	Die-cast zinc, black powder coated	0810093S01
	35 - 58	Die-cast zinc, black powder coated	0810093S03

WINGKNOB COMPRESSION LATCHES

Description For easy, secure, and compressive latching and locking of doors and flaps.

Material Housing and handle: Die cast zinc
 Cam: Mild steel

Surface Knob and Housing: black powder coated
 Cam: Zinc plated



Panel cutout

Cam Style	Grip Range		Head Style	
	Minimum	Maximum	Keyed FH751	Non Locking
Reversed Cam	11,4	27,2	0813099	0813102
	25.4	41.1	0813100	0813103
Straight Cam	38.9	54.6	0813101	0813104
	52.6	68.3	0813100	0813103
Offset Cam	66.3	76.2	0813099	0813102



INDUSTRIAL HARDWARE
CHAPTER 3: SLAM LATCHES



SLIDE LATCH	60-61
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QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

ACC

GSK

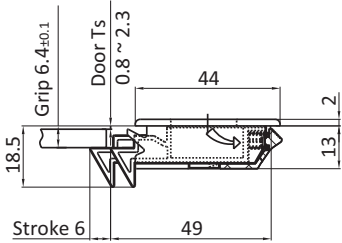
HAN

CST

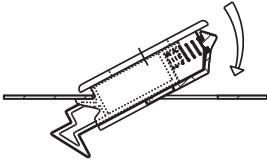


SLIDE LATCH

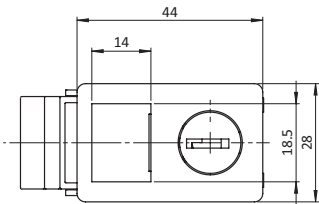
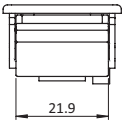
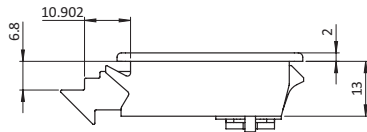
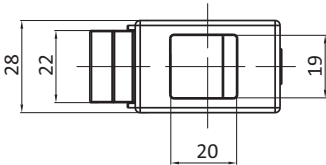
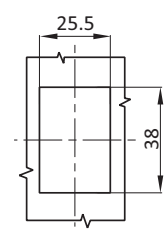
Description Slam to close latch for panels and doors
Material Nylon PA, glass fiber reinforced
Color Black



Installation diagram



Panel Cutout



Slide Latch

Part #

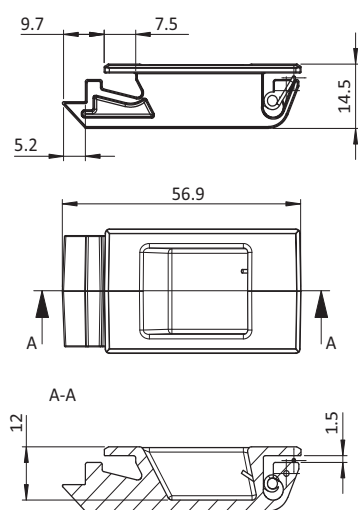
Non-Locking
Key Locking

0810094
0810094S01



SLIDE LATCH

Description Slam to close latch for panels and doors
Material Housing: ABS
Spring: SS
Color Black



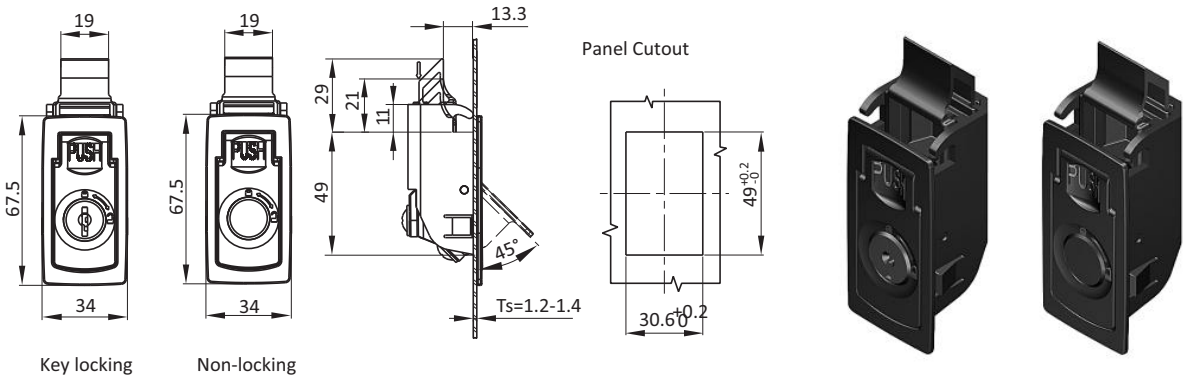
Slide Latch	Panel Thickness [mm]	
	0.8 - 1.2	1.2 - 1.5
With Return Spring	089201	089202

SLAM LATCH

Description Slam to close latch for easy and secure latching and locking of panels and doors

Material Nylon PA, glass fiber reinforced

Color Black



Slam Latch

Part #

FH333 Key Locking

089203

Non-Locking

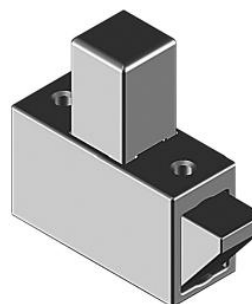
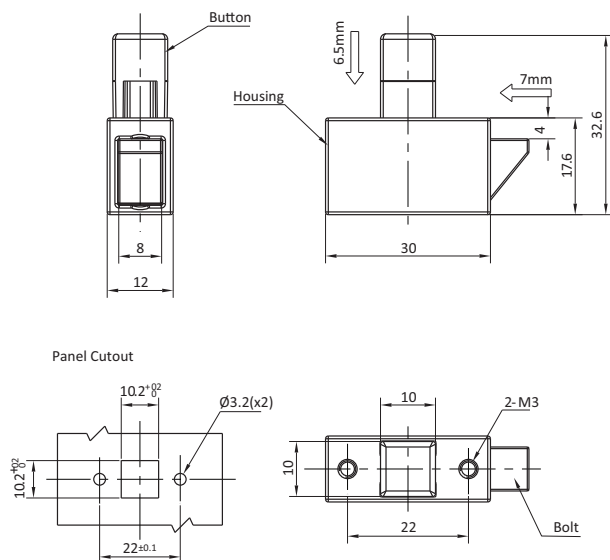
089204

SLAM TO CLOSE PUSHBUTTON LATCH

Description Slam to close latch for easy and secure latching and locking of panels and doors

Material Die cast zinc
 Spring and pin: Stainless steel

Surface Nickel plated



Slam to close Pushbutton Latch

Part #

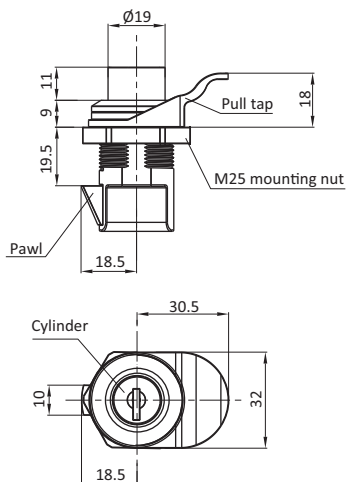
0813153

PUSH TO CLOSE CATCH

Description For easy and secure latching and locking of doors and flaps.

Material Housing and pull: PA

Specials Right and left



Push To Close Quarter Turn Locks

Part #

Key locking

0810664

Non-locking

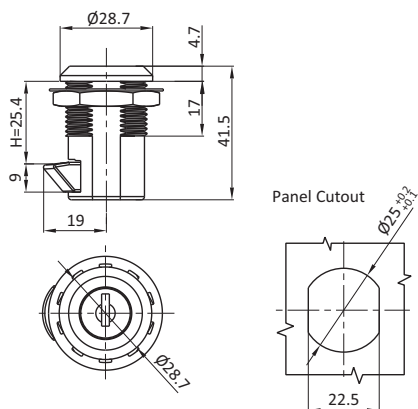
0810665

PUSH TO CLOSE SLAM LATCH

Description Slam to close latch for easy and secure latching and locking of panels and doors

Material Die-cast zinc

Surface Chrome plated



Push To Close Slam Latch

Part #

FH751 Key Locking

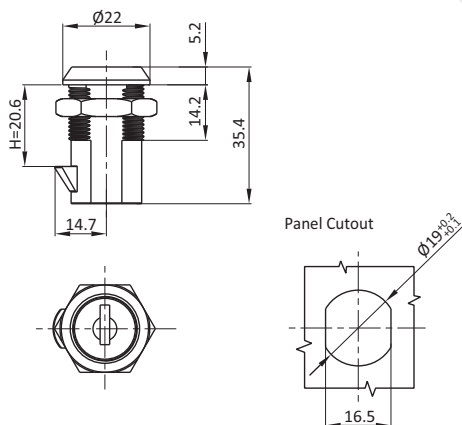
0810235

PUSH TO CLOSE SLAM LATCH

Description Slam to close latch for easy and secure latching and locking of panels and doors

Material Die-cast zinc

Surface Chrome plated



Push To Close Slam Latch

Part #

FH751 Key Locking

0810236

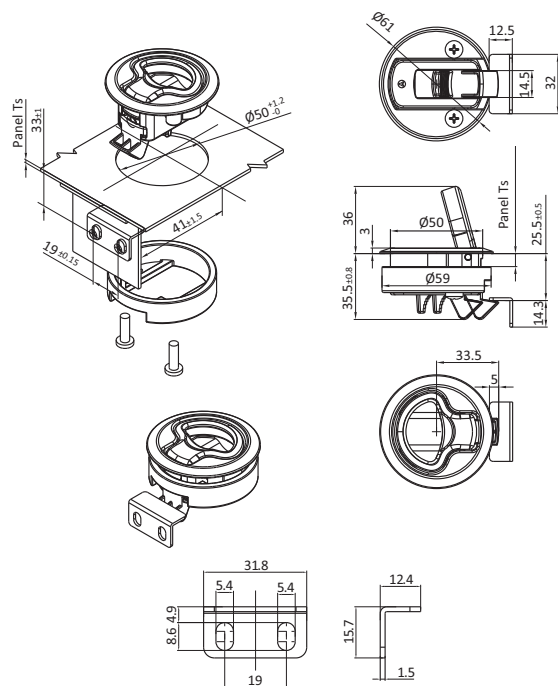


SLAM LATCHES

Description Slam to close latch for easy and secure latching and locking of panels and doors

Material PA

Color Black / Grey



Panel Thickness min - max. [mm]	Mounting bracket height [mm]	Fixing screw length [mm]	FH751 Key Locking		Stainless Steel	Non Locking	
			Acetal black	Acetal Grey		Acetal black	Acetal Grey
2 - 7	14	16	0813132	0813133	0813134E	0813134	0813135
7 - 12	14	20	0813136	0813137	0813138E	0813138	0813139
12 - 17	3.8	16	0813140	0813141	0813142E	0813142	0813143
17 - 22	3.8	20	0813144	0813145	0813146E	0813146	0813147

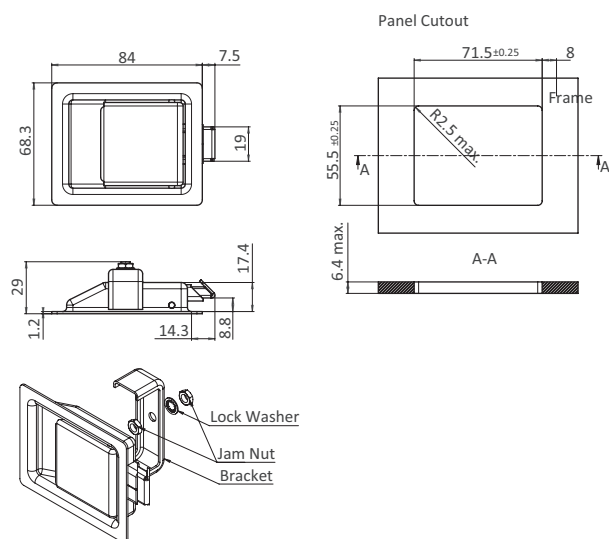


PUSH TO CLOSE PADDLE LATCH

Description Push to close latch for easy and secure latching and locking of panels and doors

Material Mild steel

Color Black powder coated



Push To Close Paddle Latch

Part #

0810531

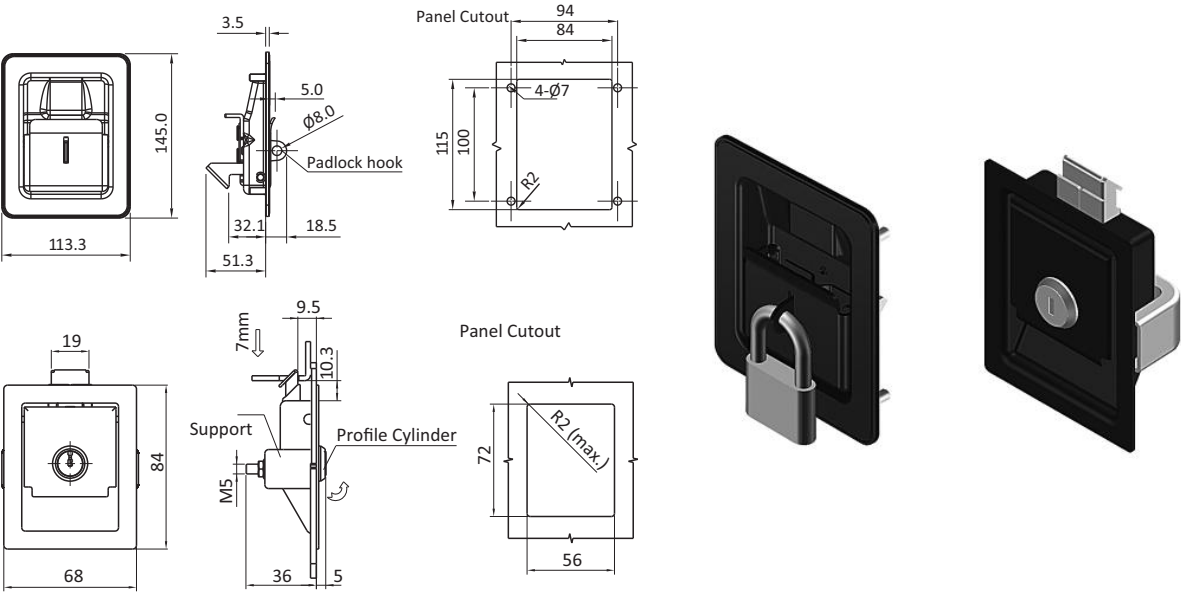


PANEL LOCKS

Description For easy, secure, and compressive latching and locking of doors and flaps

Material Pad, handle, hook and hasp: CRS and 304 SS
Cam: Mild steel

Surface Dish and cylinder: Black powder coated
Cam: Zinc plated

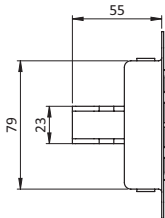
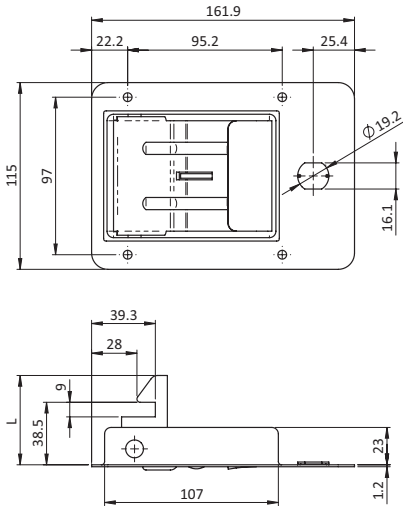


Panel Locks	Version	Die-cast Zinc, black powder coated		304 SS
	Padlockable	0813148		
	With insert	0813149		
	Without insert	0813150		0813151



SLAM TO CLOSE PADDLE LATCH

Description Slam to close latch for easy and secure latching and locking of panels and doors
Material Pad, Handle, Hook and Hasp: CRS
Color Black powder coated
Specials Pad-Lockable



Slam to Close Paddle Latch	L [mm]	Part #
	55	0810405
	65	0810406



SLAM LATCHES COMPACT

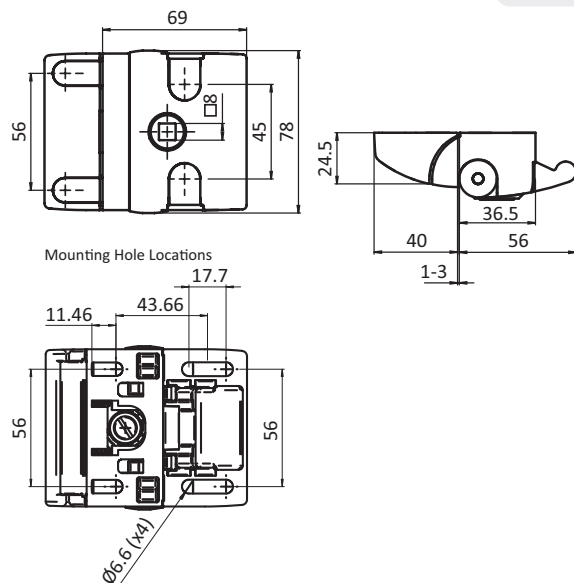
Description For easy and secure latching and locking of doors and flaps, no mechanical preparation needed for the assembly; safe against disassembling in the locked position

Material Die-cast aluminum

Surface Black powder coated / aluminum color powder coated

Fastening From the front, using M6 socket head or pan head screws

SLA



Slam Latch	Lock	Weight [g]	Part #
Black powder coated	Keyed FH333	235.5	0957408
	Keyed Differently	235.5	0957411
	Non Locking	204.0	0957410
Aluminum color powder coated	Keyed FH333	235.5	0957408S01
	Keyed Differently	235.5	0957411S01
	Non Locking	204.0	0957410S01
	Square insert	220.0	0957431
	Double Bit 3 Insert	220.0	0957432

For inside opening device see page 54

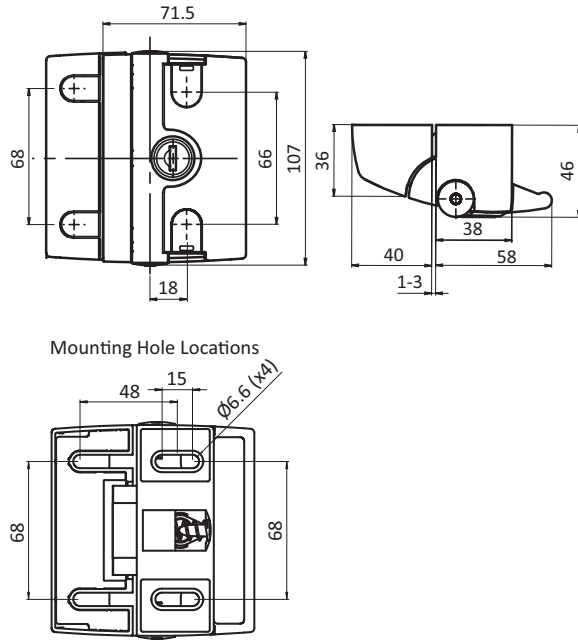
SLAM LATCHES PRO

Description For easy and secure latching and locking of doors and flaps, no mechanical preparation needed for the assembly; safe against disassembling in the locked position

Material Die-cast aluminum

Surface Black Powder Coated

Fastening From the front, using M6 socket head or pan head screws

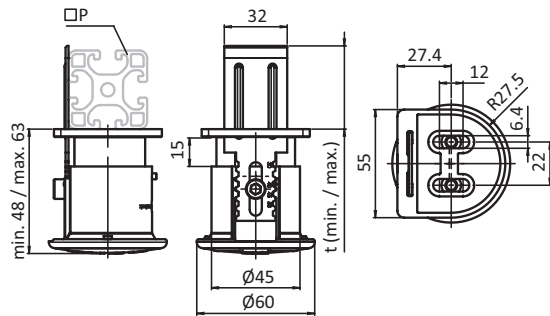


Slam Latch PRO	Lock	Weight [g]	Part #
	Keyed FH333	370.0	0957404
	Keyed Differently	370.0	0957405
	Non Locking	340.0	0957406

For inside opening device see page 54

EMERGENCY OPENER FOR SLAM LATCHES

- Description** Inside emergency release for slam latches PROe, PRO and Compact; with or without safety catch
- Material** Base part: Nylon PA, glass Fiber reinforced
Push button: Nylon PA, glass Fiber reinforced
Unlocking plate: Steel
- Surface** Unlocking plate: Zinc plated
- Color** Base part: Black
Push button: Red ≈RAL 3020
- Fastening** From the front, using two socket head screws DIN 912 M6 x 20, Hardware included



Emergency Opener for Slam Latch	t (min.) [mm]	t (max.) [mm]	P [mm]	Weight [g]	Part #
Without safety catch	30	50	30-50	110.8	0957409
	60	80	60-80	115.4	0957409S03
With safety catch	30	50	30-50	110.8	0957409S02



QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

ACC

GSK

HAN

CST

INDUSTRIAL HARDWARE
CHAPTER 4: SWING HANDLES



CYLINDER LOCK SWING HANDLE	74-81
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CYLINDER LOCK SWING HANDLE	86-87
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CYLINDER LOCK SWING HANDLE	98-99
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PADLOCKABLE SWING HANDLE	101
CYLINDER LOCK SWING HANDLE	102-108



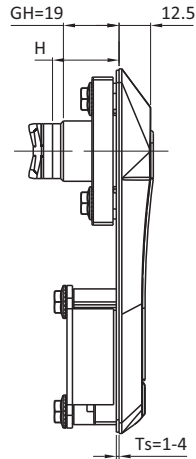
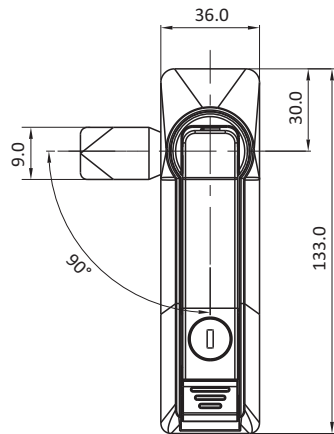
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

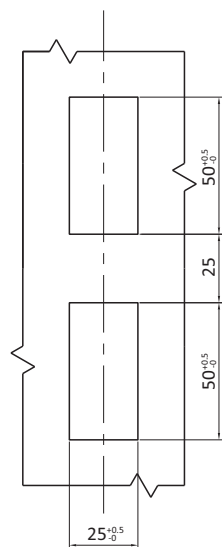
Material Body: Die-cast zinc
Hardware: Mild steel

Surface Body: Black powder coated
Hardware: Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR foam gasket
Keyed different on request
FH751 key code on request
Padlockable on request



Panel Cutout



Cylinder Lock Swing Handle

Part #

FH333 key

0813201

Compatible cams see pages 195-202

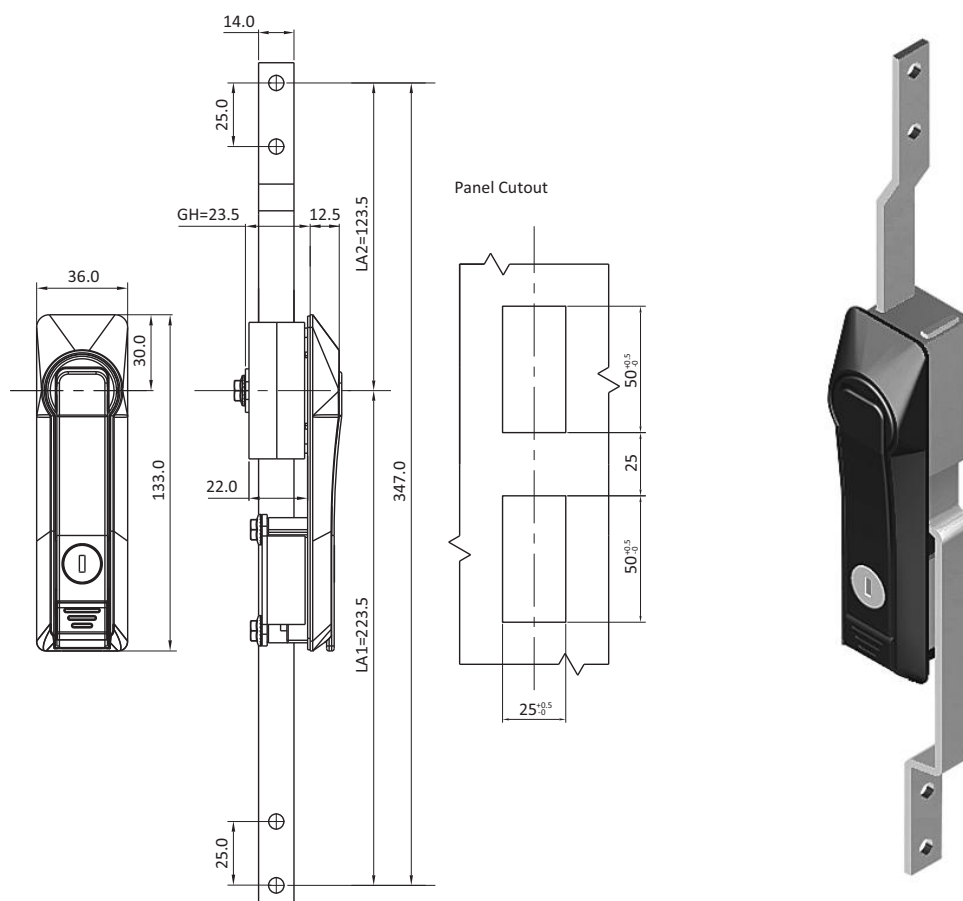
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Body: Die-cast zinc
Shaft and rod control: Die-cast zinc
Hardware: Mild steel

Surface Body: Black powder coated
Hardware, shaft and rod control: Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR foam gasket
1193 Series Rod Control
Keyed different on request
FH751 key code on request
Padlockable on request



Cylinder Lock Swing Handle

2 Point Rod Control

3 Point Rod Control

0813202

0813203

Compatible Rod Control see page 112-113



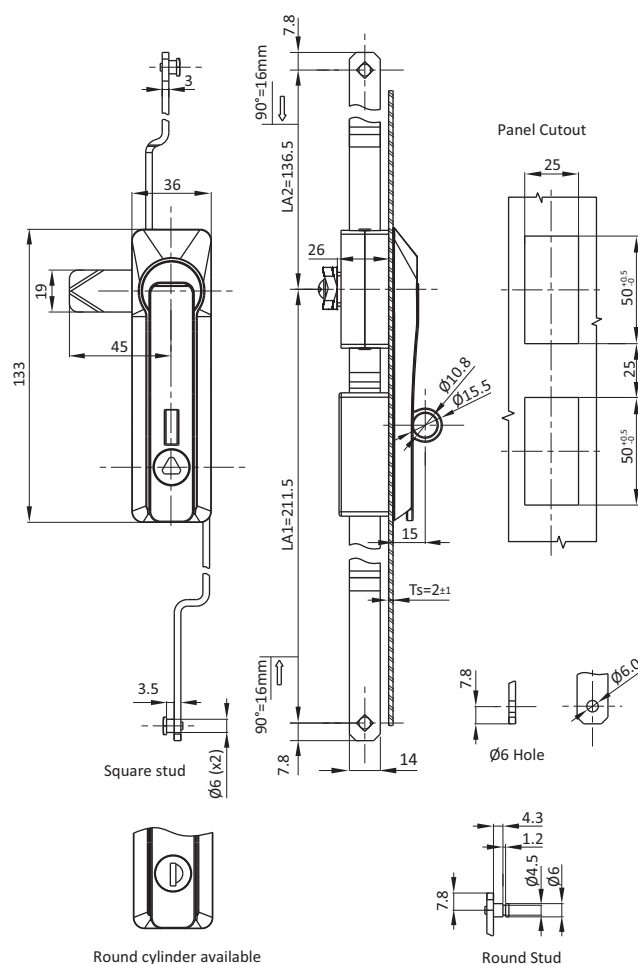
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Body and rod control: Die-cast zinc
Hardware: Mild steel

Surface Body and rod control: Black powder coated / black E-coated
Hardware: Zinc plated

Specials Right and Left
IP65 / NEMA 4
Unique key version on request
FH751 key code on request



SWH

Rod Control	Cylinder Style	Padlock Compatible	black E-coated	black powder coated
2 point	With dust cap and FH333 cylinder	Padlockable	0820083	0820087
		Without padlock	0820084	0820088
	Triangle insert	Padlockable	0820085	0820089
		Without padlock	0820086	0820090
3 point	With dust cap and FH333 cylinder	Padlockable	0820091	0820095
		Without padlock	0820092	0820096
	Triangle insert	Padlockable	0820093	0820097
		Without padlock	0820094	0820098

Compatible Rod Control see pages 112-113



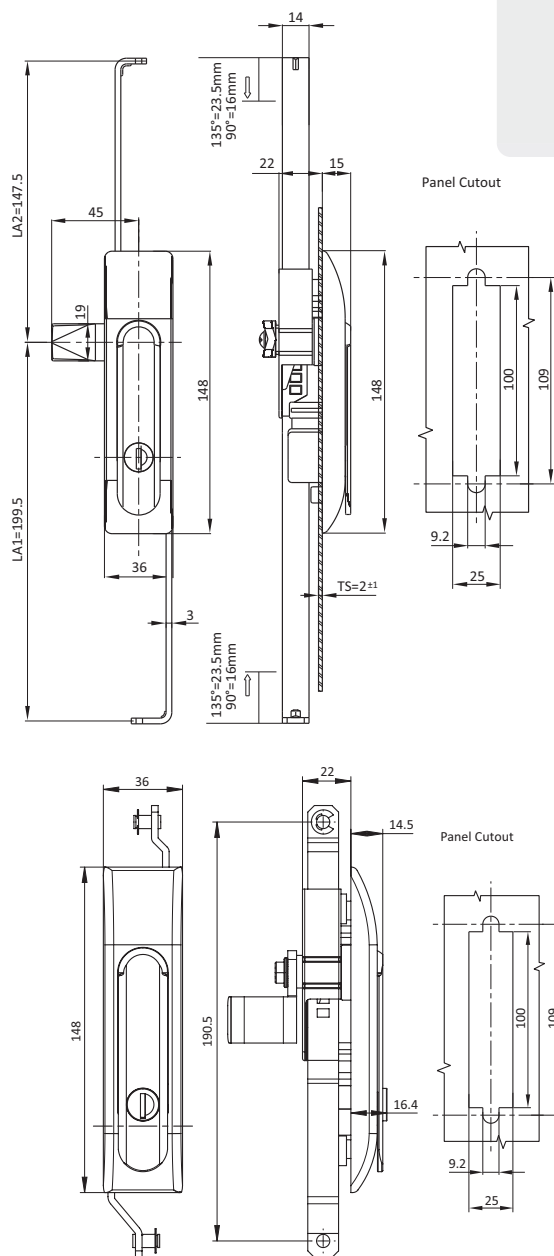
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle: Die-cast zinc
Hardware: Mild steel

Surface Body and handle:
Black textured powder coated / silver grey powder coated
Hardware: Zinc plated

Specials Right and Left
IP65 / NEMA 4
Unique key version on request
FH751 key code on request
Padlockable on request
Keyed FH333



Cylinder Lock Swing Handle

Control

Black Textured Powder Coated

Silver Grey Powder Coated

cam control

0811033

0820141S01

3 point rod control

0811034

0820141S02

Compatible Rod Control see page 112-113

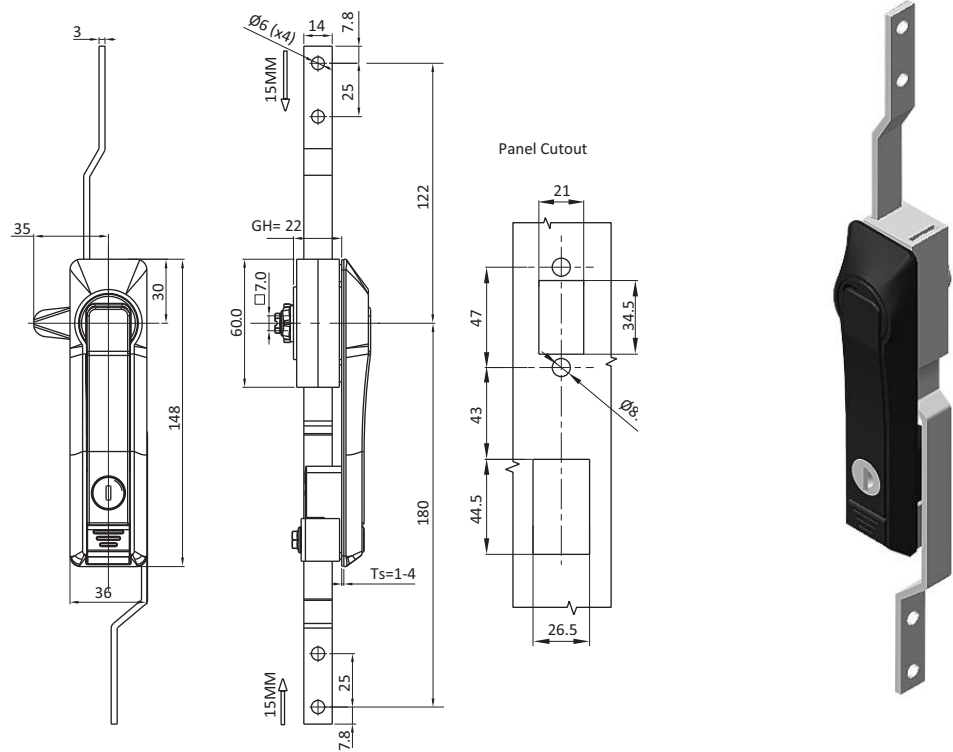
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: Die cast zinc
Handle: Die cast zinc
Hardware: Mild steel

Surface Black powder coated / zinc plated

Specials Right and Left
IP65 / NEMA 4
Keyed FH333
PUR Foam Gasket



SWH

	Control Style	Satin Chrome Plated	Black Powder Coated
With cylinder lock FH333, push to open	Cam control	0880033	0880034
	2 point rod control	0820101	0820102
	3 point rod control	0820103	0820104

Accessories see pages 110-119
Compatible Rod Control see pages 112-113



CYLINDER LOCK SWING HANDLE

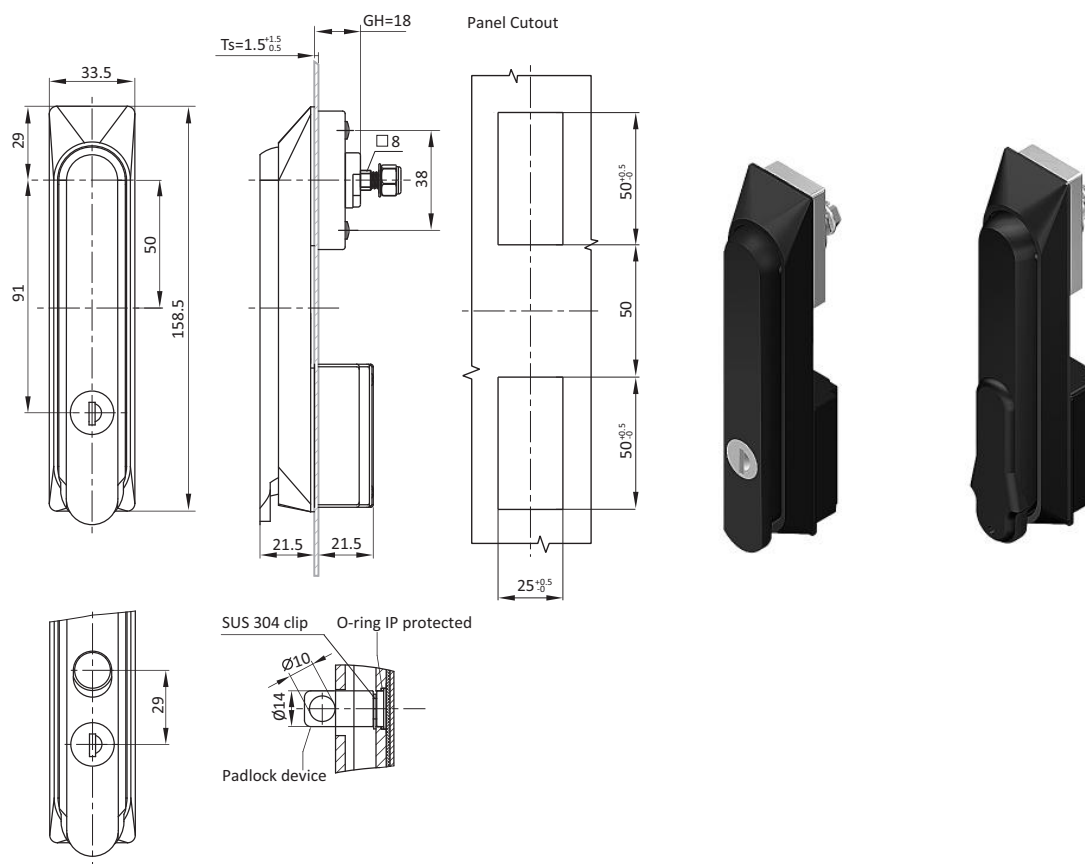
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle: Die cast zinc
Shaft and hardware: Mild steel

Color Body: Black

Surface Shaft and hardware: Zinc plated

Specials Cam control
Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Unique key version on request
FH751 key code on request
Padlockable on request



Cylinder Style	Cam control with dust cap	Cam control without dust cap
FH333 cylinder	0880001	0880005
Double bit 4mm	0880002	0880006
Square 7mm	0880003	0880007
Triangular 8mm	0880004A	0880008

Compatible cams see pages 195-202

Accessories see pages 110-119

CYLINDER LOCK SWING HANDLE

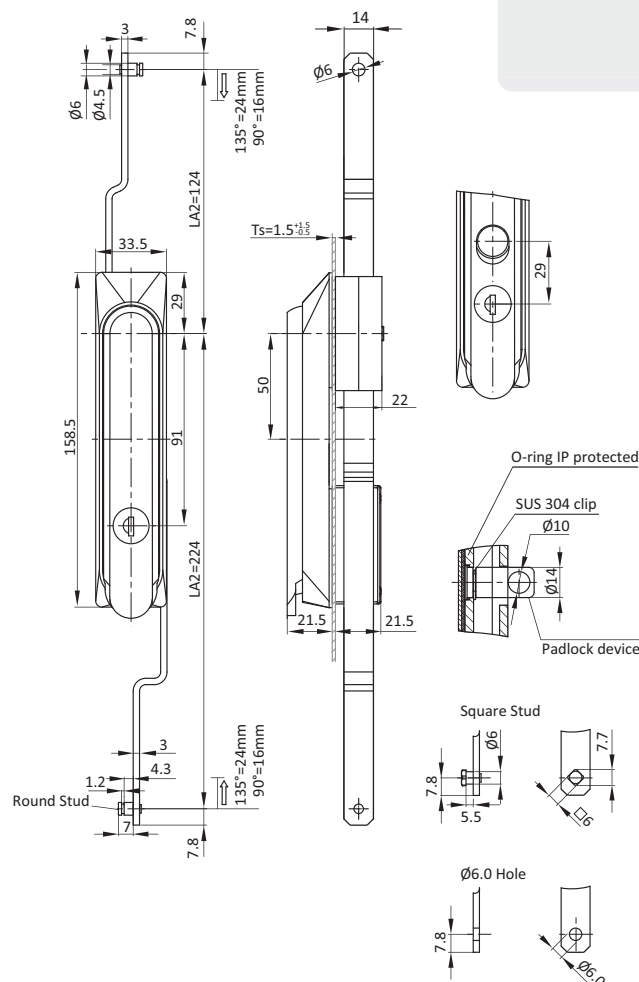
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Shaft and hardware: Mild steel

Color Body: Black

Surface Shaft and hardware: Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Rod Control
Unique key version on request
FH751 key code on request
Padlockable on request



SWH

Rod Control	Cylinder Style	with dust cap	without dust cap
2 point	FH333 Profile round cylinder	0820011	0820015
	Double bit 4mm	0820012	0820016
	Square 7mm	0820013	0820017
	Triangular 8mm	0820014	0820018
3 point	FH333 Profile round cylinder	0820019	0820023
	Double bit 4mm	0820020	0820024
	Square 7mm	0820021	0820025
	Triangular 8mm	0820022	0820026

Compatible rod controls see page 112-113
Accessories see pages 110-119



PROFILE CYLINDER SWING HANDLE

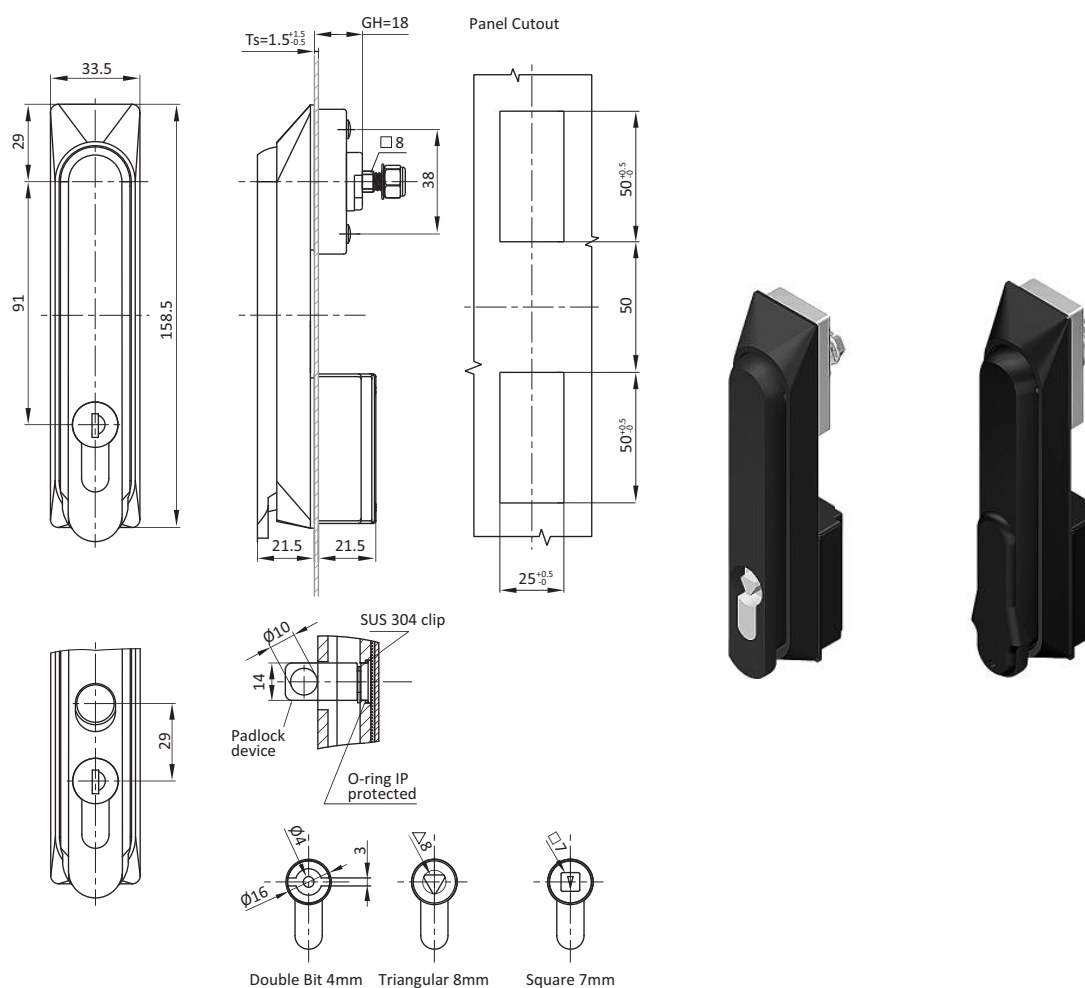
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle: Die cast zinc
Shaft and hardware: Mild steel

Color Body: Black

Surface Shaft and hardware: Zinc plated

Specials Cam control
Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Unique key version on request
FH751 key code on request
Padlockable on request



Cylinder Style	Cam control with dust cap	Cam control without dust cap
FH333 Profile round cylinder	0880009	0880013
Double bit 4mm	0880010	0880014
Square 7mm	0880011	0880015
Triangular 8mm	0880012	0880016

Compatible cams see pages 195-202

Accessories see pages 110-119

Compatible profile cylinder page 118



PROFILE CYLINDER SWING HANDLE

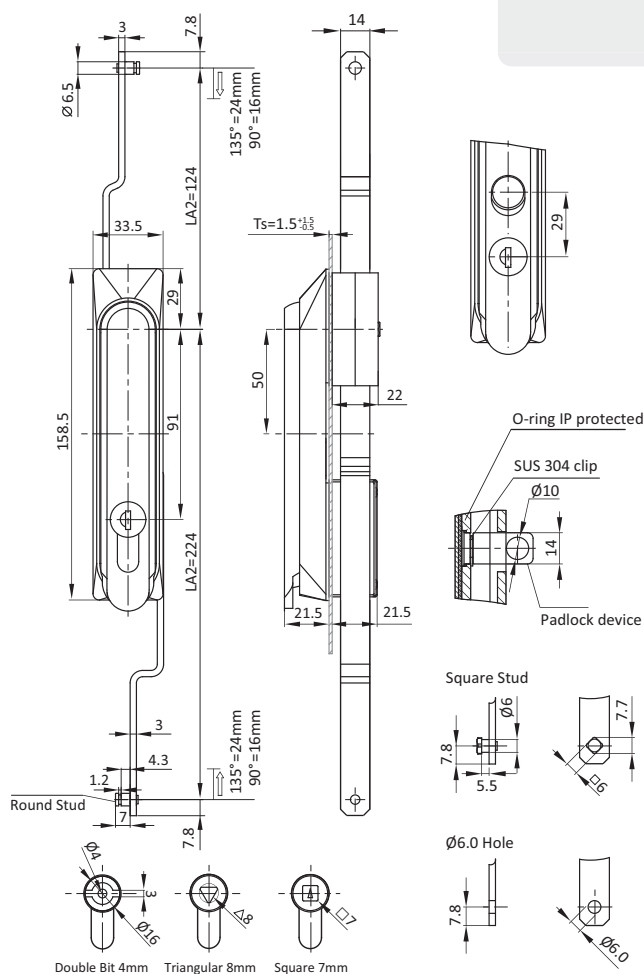
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Shaft and hardware: Mild steel

Color Body: Black

Surface Shaft and hardware: Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Rod Control
Unique key version on request
FH751 key code on request
Padlockable on request



SWH

Rod Control	Cylinder Style	with dust cap	without dust cap
2 point	FH333 Profile round cylinder	0820035	0820039
	Double bit 4mm	0820036	0820040
	Square 7mm	0820037	0820041
	Triangular 8mm	0820038	0820042
3 point	FH333 Profile round cylinder	0820043	0820047
	Double bit 4mm	0820044	0820048
	Square 7mm	0820045	0820049
	Triangular 8mm	0820046	0820050

Compatible rod controls see page 112-113
Compatible profile cylinder page 119



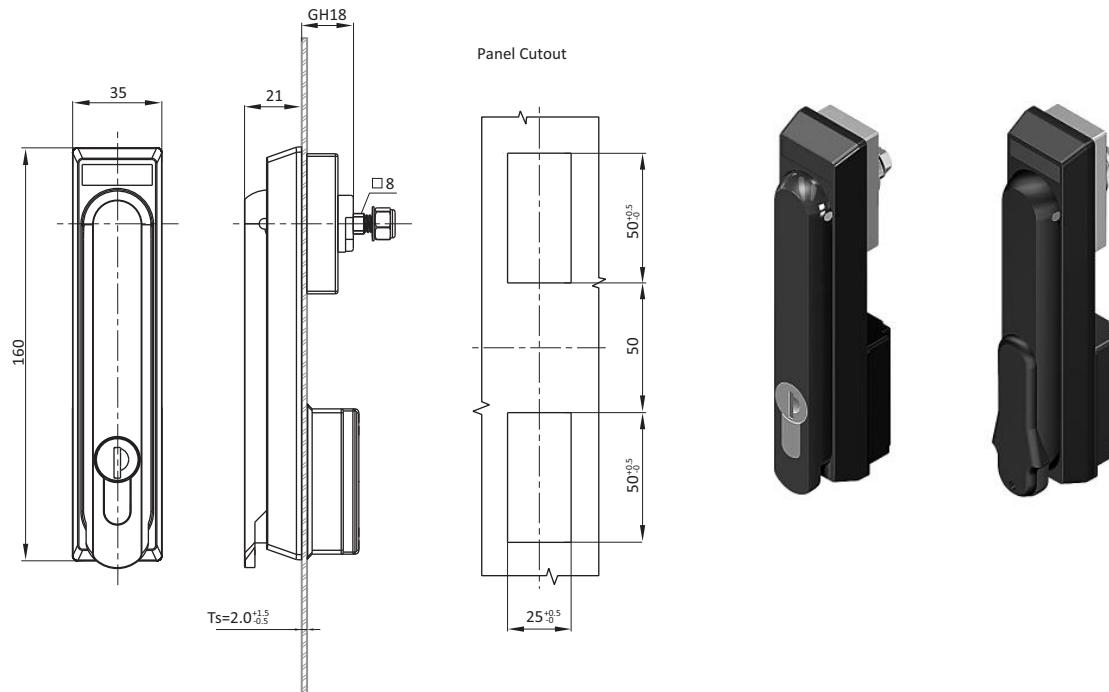
PROFILE CYLINDER SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Body: Die cast zinc
Rod control: Zinc
Hardware: Mild steel
Padlock option: 304 SS

Surface Black powder coated

Specials Cam controlled
Unique key version on request
FH751 key code on request
Padlockable on request



Cylinder Style	Cam control with dust cap	Cam control without dust cap
FH333 Profile round cylinder	0813154	0813155
Double bit 4mm	0813156	0813157
Square 7mm	0813158	0813159
Triangular 8mm	0813160	0813161

Compatible profile cylinders see page 118
Compatible cams see pages 195-202

CYLINDER LOCK SWING HANDLE

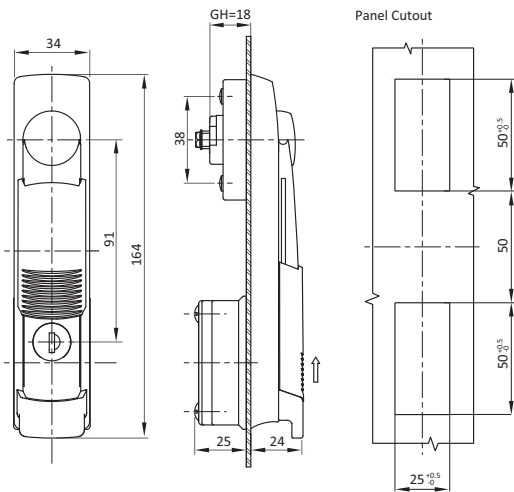
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle and shaft: Brass
Hardware: MS

Color Black

Surface Hardware: Zinc plated

Specials With dust cover
Cam actuated
Unique key version on request
FH751 key code on request



Cylinder Swing Handle

Cylinder Style

Part #

FH333 Profile round cylinder	0880017
Double bit 4mm	0880018
Square 7mm	0880019
Triangular 8mm	0880020

Compatible cams see pages 195-202

CYLINDER LOCK SWING HANDLE

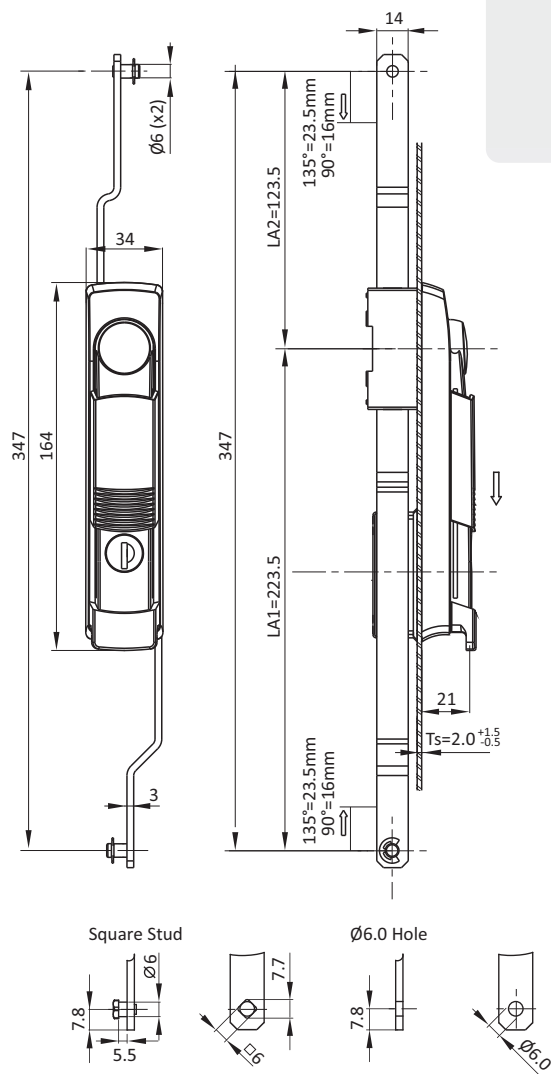
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Rod control and shaft: Die-cast zinc
Hardware: Mild steel

Color Body: Black

Surface Shaft: Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Unique key version on request
FH751 key code on request



SWH

Cylinder Lock Swing Handle	Cylinder Style	2 Point Rod control, includes dust cap	3 Point Rod control, includes dust cap
	FH333 Profile round cylinder	0820055	0820059
	Double bit 4mm	0820056	0820060
	Square 7mm	0820057	0820061
	Triangular 8mm	0820058	0820062

Compatible Rod Control see pages 112-113



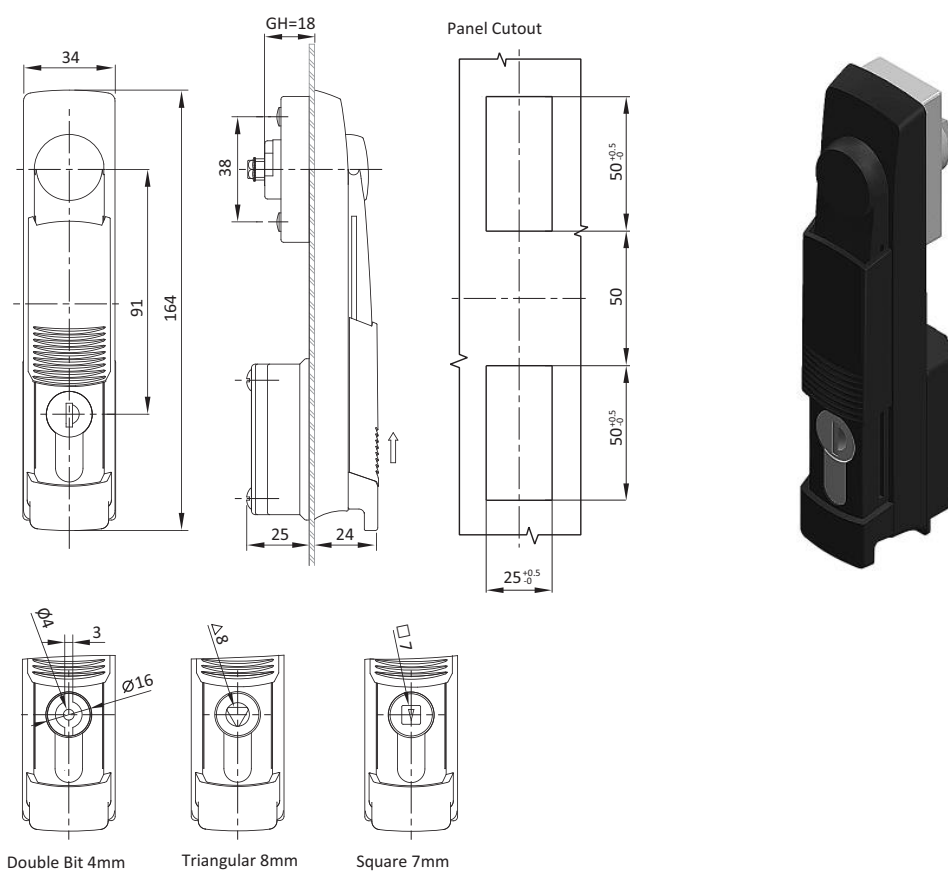
PROFILE CYLINDER SWING HANDLE

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Shaft: Brass
Hardware: Mild steel

Color Body: Black

Specials With dust cover
Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Unique key version on request
FH751 key code on request



Profile Cylinder Swing Handle

Cylinder Style

Part

FH333 Profile round cylinder

0880021

Double bit 4mm

0880022

Square 7mm

0880023

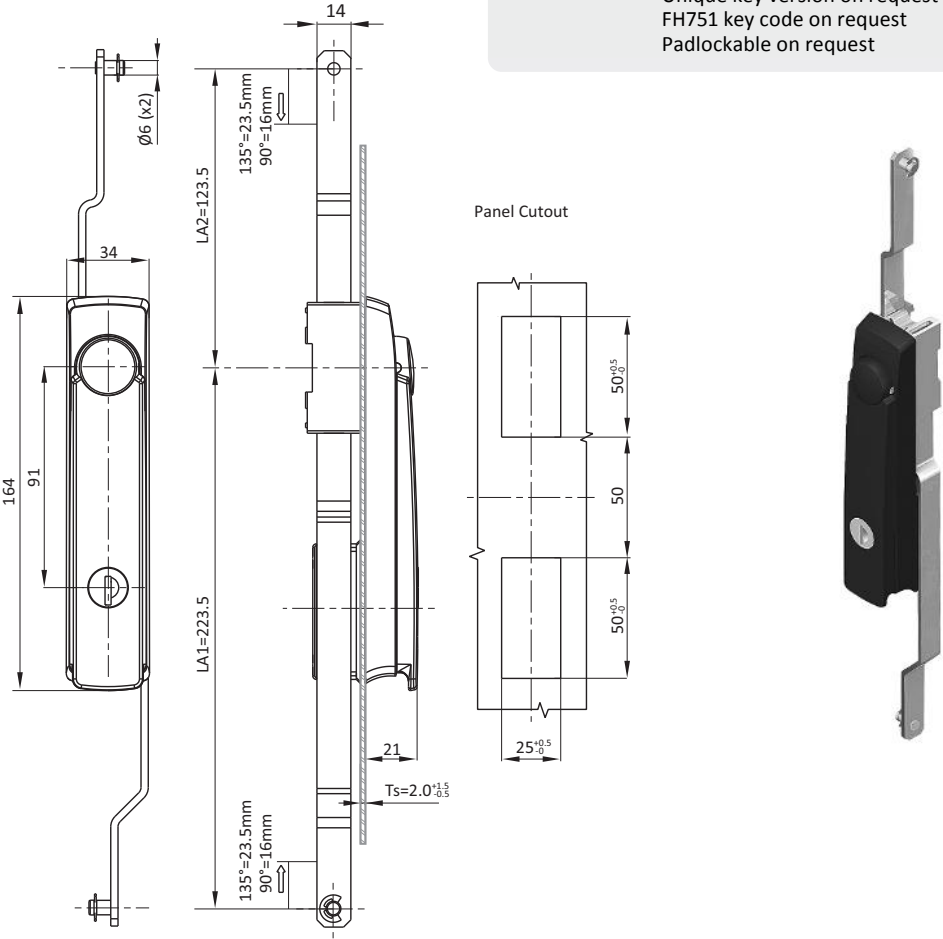
Triangular 8mm

0880024

Compatible profile cylinders see page 118
Compatible cams see pages 195-202

CYLINDER LOCK SWING HANDLE

- Description** For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.
- Material** Body: PA, glass fiber reinforced
Handle, shaft and rod control: Die-cast zinc
Hardware: Mild steel
- Color** Body: Black
- Specials** Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Unique key version on request
FH751 key code on request
Padlockable on request



SWH

Cylinder Lock Swing Handle	2 Point Rod control	3 Point Rod control
Cylinder lock keyed FH333	0820004	0820006
	0820005	0820007

Compatible Rod Control see pages 112-113



PROFILE CYLINDER LOCK SWING HANDLE

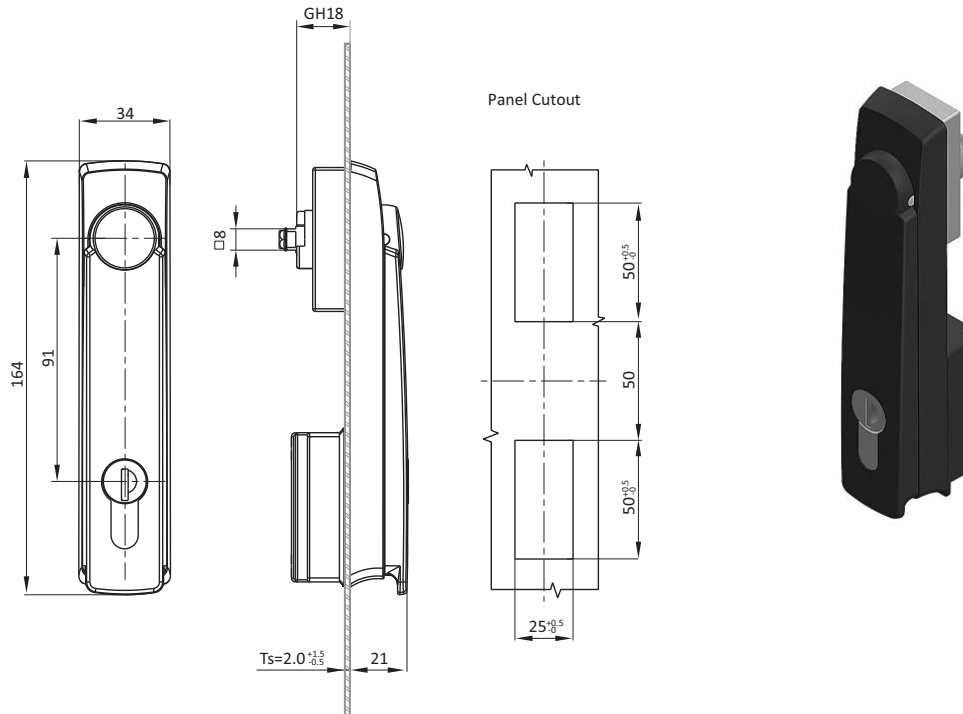
Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle and shaft: Die-cast zinc

Color Body: Black

Surface Handle and shaft: Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Unique key version on request
FH751 key code on request
Padlockable on request



Profile Cylinder Swing Handle

Cylinder Style

Part

FH333 Profile round cylinder

0813180

Double bit 4mm

0813181

Square 7mm

0813182

Triangular 8mm

0813183

Compatible cams see pages 195-202

PROFILE CYLINDER LOCK SWING HANDLE

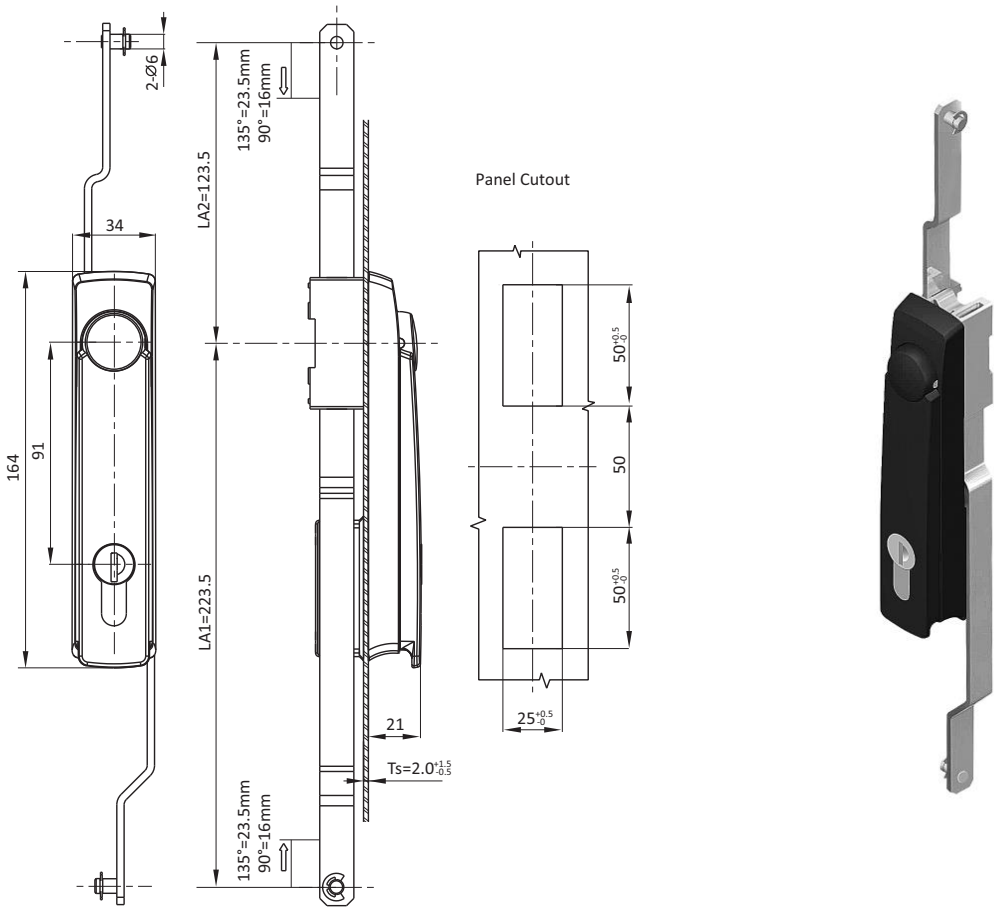
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle, shaft and rod control: Die-cast zinc
Hardware: Mild steel

Color Body: Black

Surface Handle, shaft and rod control: Die-cast zinc
Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR Foam Gasket
Unique key version on request
FH751 key code on request
Padlockable on request



Profile Cylinder Lock Swing Handle	Cylinder Style	2 Point Rod control	3 Point Rod control
	FH333 Profile round cylinder	0813184	0813188
	Double bit 4mm	0813185	0813189
	Square 7mm	0813186	0813190
	Triangular 8mm	0813187	0813191

Compatible Rod Control see pages 112-113



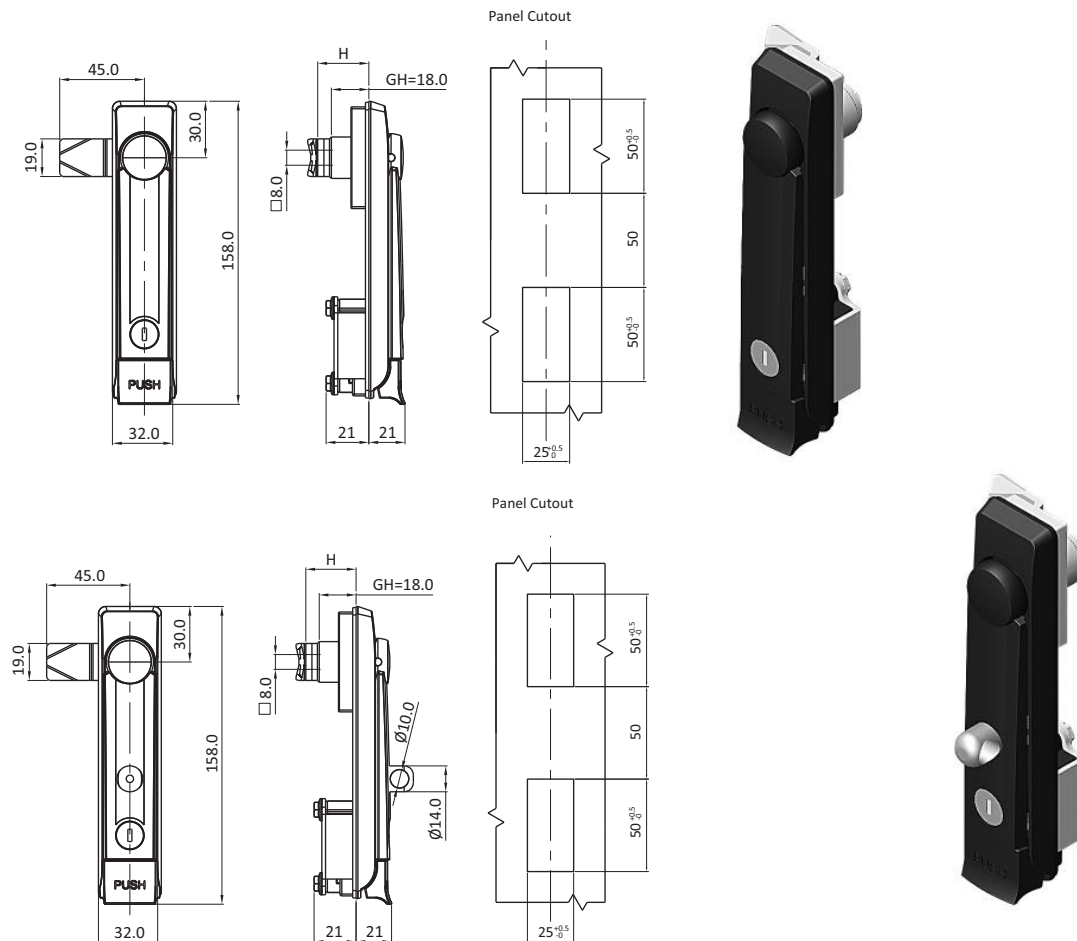
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Body, handle, and button: Die-cast zinc
Cam and rod control: Mild steel

Surface Body, handle, and button: Black powder coated
Cam and rod control: Zinc plated

Specials Right and Left
IP65 / NEMA 4 Unique key version on request
Unique key version on request
FH751 key code on request
Padlockable on request



Cylinder Lock Swing Handle

Padlock Compatible

Part

Padlockable

0880037

Without padlock

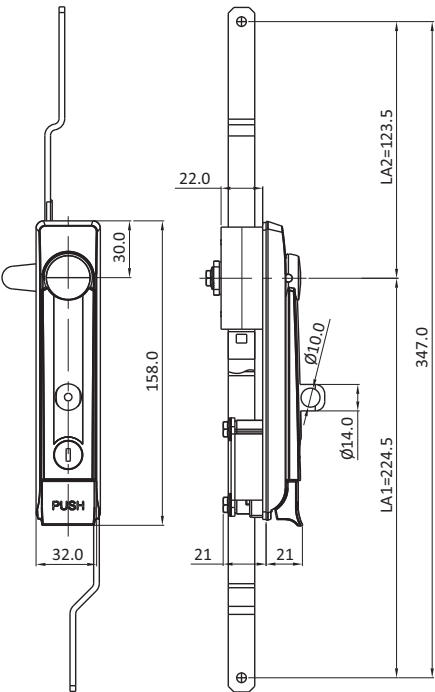
0880039

Compatible cams see pages 195-202

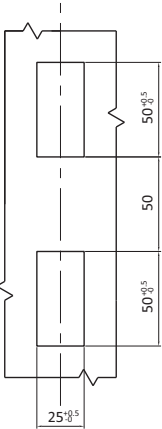


CYLINDER LOCK SWING HANDLE

- Description** For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.
- Material** Body, handle, and button: Die-cast zinc
Cam and rod control: Mild steel
- Surface** Body, handle, and button: Black powder coated
Cam and rod control: Zinc plated
- Specials** Right and Left
IP65 / NEMA 4Unique key version on request
Unique key version on request
FH751 key code on request
Padlockable on request



Panel Cutout



SWH

Cylinder Lock Swing Handle	Padlock Compatible		Part #
Keyed FH333	Padlockable		0820114
	Without padlock		0820115

Compatible Rod Control see pages 112-113



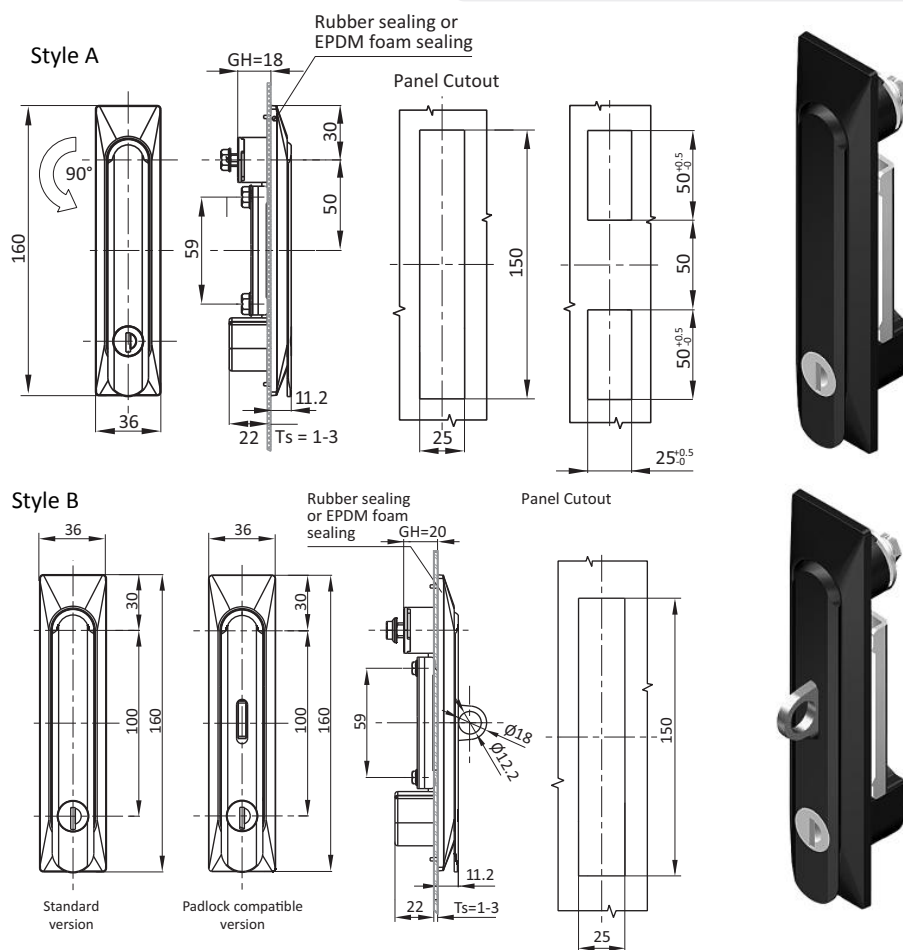
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps.
Wide range of cams and accessories.

Material Body: Die-cast zinc / PA, glass fiber reinforced
Handle and shaft: Die-cast zinc
Hardware: Mild steel

Surface Black powder coated
Hardware: Zinc plated

Specials Right and left
IP65 / NEMA 4
Large Size
Unique key version on request
FH751 key code on request
Padlock version on request



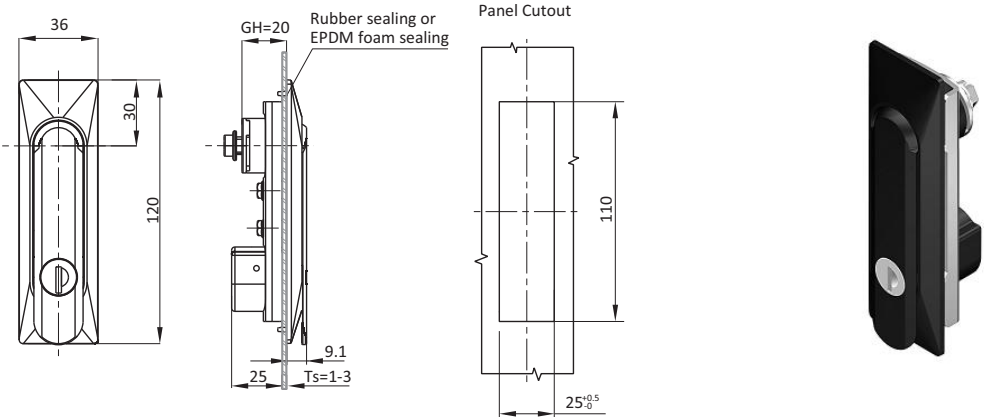
Cylinder Lock Swing Handle	Style	Style	Padlock Hasp	GH [mm]	Part #
Die cast handle / PA housing	A	With FH333 key insert	N	18	0880043
Die cast handle / PA housing	B	With FH333 key insert	N	20	0880044
Die cast handle and housing	B	With FH333 key insert	N	20	0880045
Die cast handle and housing	B	With FH333 key insert	Y	20	0880045S01
Die cast handle and housing	B	With no key insert	Y	20	0880061

Compatible cams see pages 195-202



CYLINDER LOCK SWING HANDLE

- Description** For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.
- Material** Body: PA, glass fiber reinforced
Handle: Die-cast zinc
Hardware: Mild Steel
- Color** Black
- Surface** Hardware: Zinc plated
- Specials** Rod control
Right and Left
IP65 / NEMA 4
Small Size



Cylinder Swing Handle

Part #

Keyed FH333	Die cast zinc handle / PA housing	0880041
	Die cast zinc	0880042
	PA	0813178

Compatible cams see pages 195-202
Compatible Rod control see page 112-113

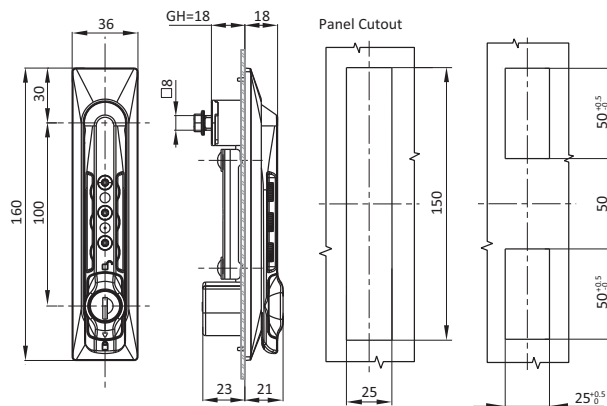
COMBINATION LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle: PA body
Hardware: Mild steel

Color Black

Specials Right and Left
IP65 / NEMA 4
Unique key version on request
FH751 key code on request



Combination Lock Swing Handle

Part #

Keyed FH333

0880046

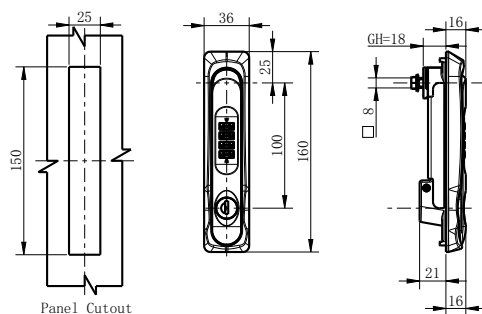
Compatible cams see pages 195-202

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle: Die Cast Zinc
Hardware: Mild steel

Color Black

Specials Right and Left
IP65 / NEMA 4
Unique key version on request
FH751 key code on request



Combination Lock Swing Handle

Part #

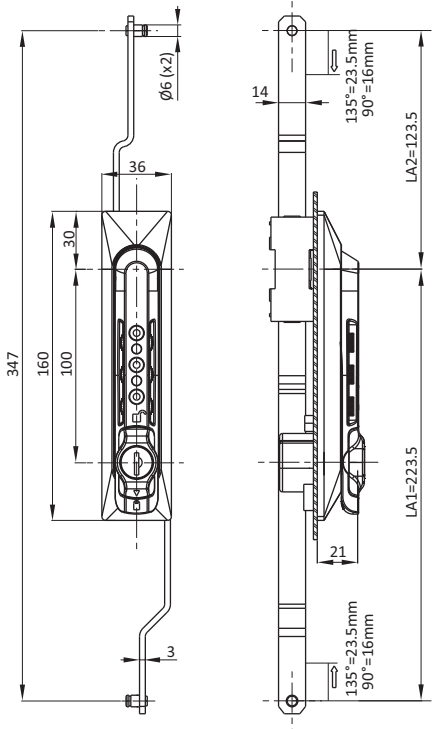
Keyed FH333

0880046

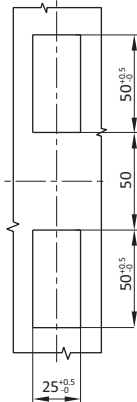
Compatible cams see pages 195-202

COMBINATION LOCK SWING HANDLE

- Description** For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.
- Material** Body: PA, glass fiber reinforced
Shaft, and rod control: Die-cast zinc
Hardware: Mild steel
- Surface** Black powder coated
Hardware: Zinc plated
- Specials** Right and Left
IP65 / NEMA 4
PUR foam gasket
Unique key version on request
FH751 key code on request



Panel Cutout



Combination Lock Swing Handle

Control

Part #

Combination lock and FH333 key	2 point rod control	0813194
	3 point rod control	0813195

Compatible cams see pages 195-202
Compatible Rod Control see pages 112-113



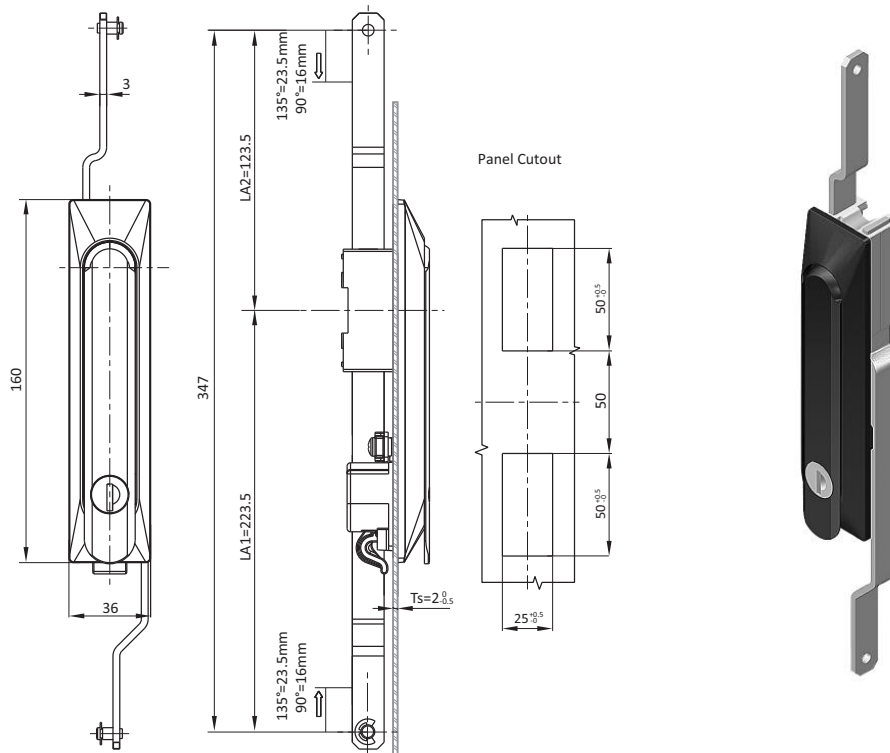
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: PA, glass fiber reinforced
Handle, shaft, and rod control: Die-cast zinc
Hardware: Mild steel

Surface Black powder coated
Hardware: Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR foam gasket
Unique key version on request
FH751 key code on request
Padlockable on request



Cylinder Lock Swing Handle

Control

Part

Keyed FH333

2 point rod control

0813192

3 point rod control

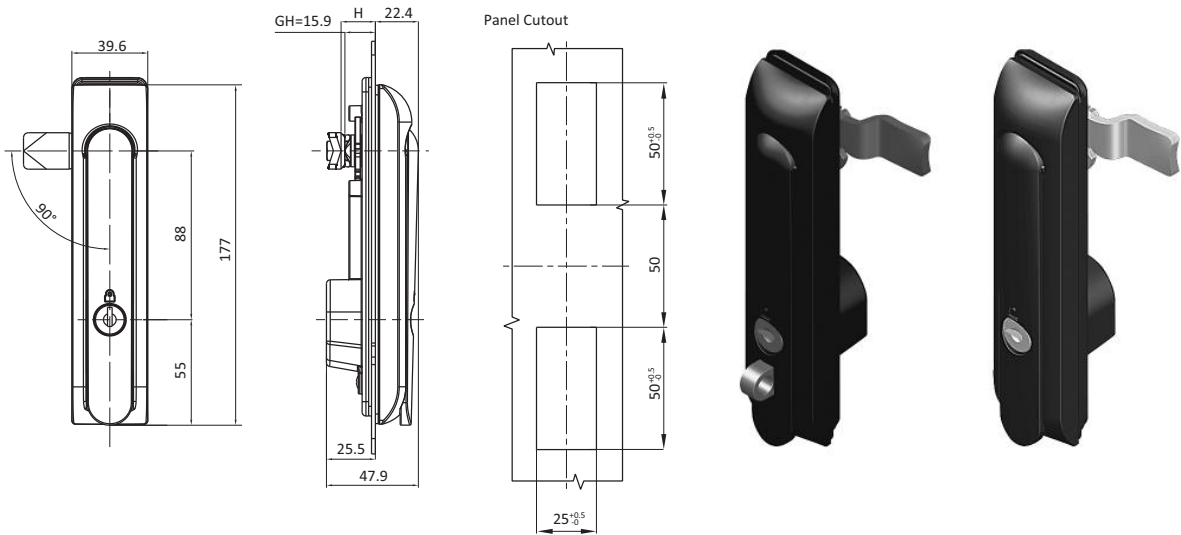
0813193

Compatible Rod Control see pages 112-113



CYLINDER LOCK SWING HANDLE

- Description** For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.
- Material** Body: Die-cast zinc
Shaft and rod control: Die-cast zinc
Hardware: Mild steel
- Surface** Body: Black powder coated / chrome plated
Hardware, shaft and rod control: Zinc plated
- Specials** Right and Left
IP65 / NEMA 4
Keyed different on request



Cylinder Lock Swing Handle	Padlock Compatible	Black Powder Coated	Chrome Plated
FH751 cylinder	Padlockable	0813208	0813209
	Without padlock	0813206	0813207
Triangle insert 8mm	Padlockable	0813212	0813213
	Without padlock	0813210	0813211

Compatible cams see pages 195-202



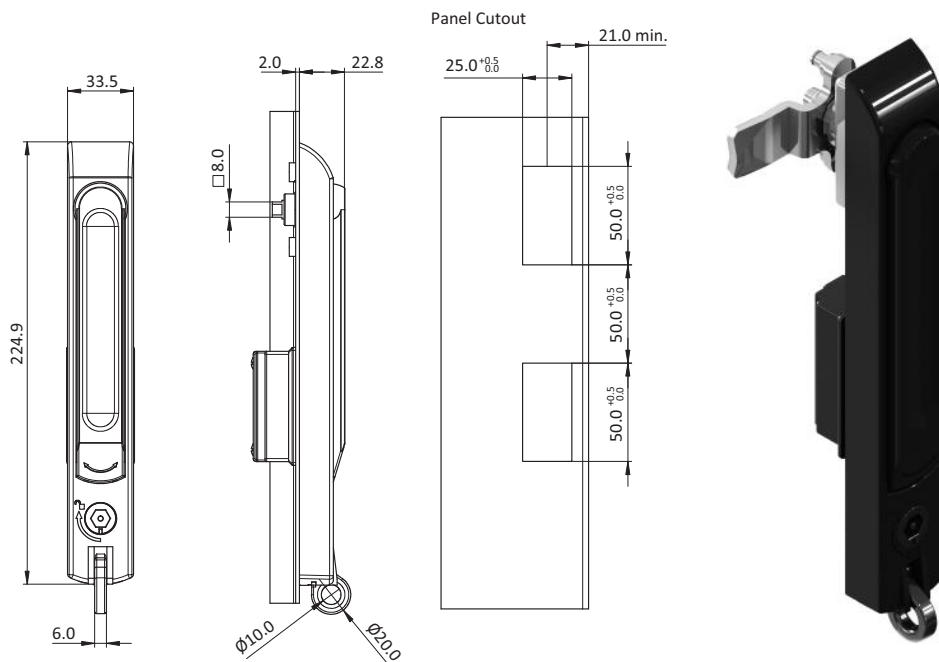
VANDAL RESISTANT SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Base: PA, glass fiber reinforced
Handle: Die cast zinc
Remaining components: 316 SS

Color Black

Specials Rod Control and Cam Control
Right and Left
IP65 / NEMA 4
Vandal Resistant Design
Lock insert options on request



Vandal Resistant Swing Handle	TELCO 216 C 5/16 HEX WITH 0.125 PIN	TELCO 216 C 7/16 HEX	8mm Triangular Insert
Cam Control	0813478	0813479	0850184
2PT Rod Control	0813179	0813475	0850185
3PT Rod Control	0813476	0813477	0850186

Compatible cams see pages 195-202

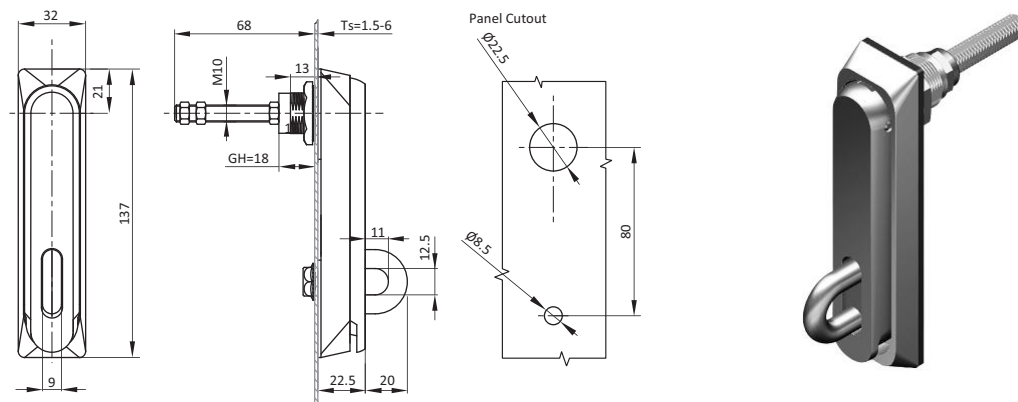


PADLOCKABLE SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material 316 SS / 304 SS

Specials Right and left
IP65 / NEMA 4



Padlockable Swing Handle

Stainless Steel 304

Stainless Steel 316

0880055

0880056

Compatible cams see pages 195-202



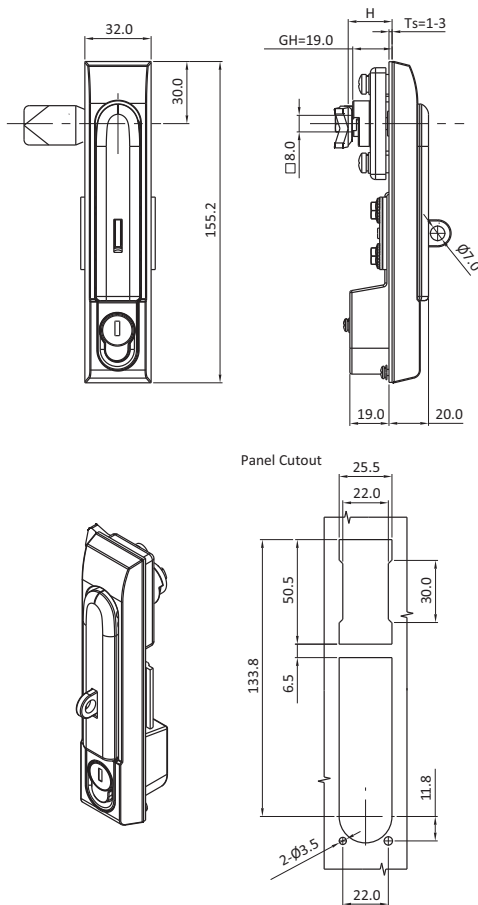
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material Body: Die-cast zinc
Shaft and rod control: Die-cast zinc
Hardware: Mild steel

Surface Body: Black powder coated
Hardware, shaft and rod control: Zinc plated

Specials Right and Left
IP65 / NEMA 4
PUR foam gasket
Padlockable
Unique key version on request



Cylinder Lock Swing Handle

Padlock Compatible

Part

Cam control FH333 key

Padlockable

0813197

Without padlock

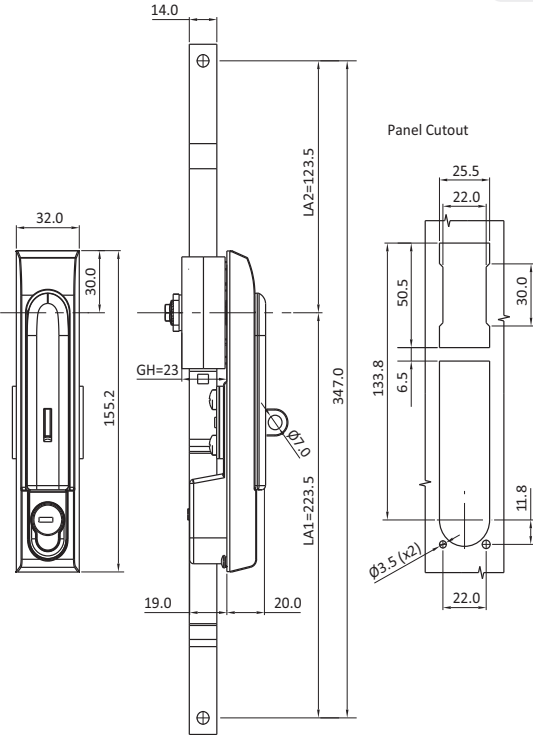
0813196

Compatible cams see pages 195-202



CYLINDER LOCK SWING HANDLE

- Description** For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.
- Material** Body: Die-cast zinc
Shaft and rod control: Die-cast zinc
Hardware: Mild steel
- Surface** Body: Black powder coated
Hardware, shaft and rod control: Zinc plated
- Specials** Right and Left
IP65 / NEMA 4
PUR foam gasket
Padlockable
Unique key version on request



SWH

Cylinder Lock Swing Handle	Padlock Compatible	2 Point Rod Control	3 Point Rod Control
Keyed FH333	Padlockable	0813490	0813200
	Without padlock	0813198	0813199

Compatible Rod Control see pages 112-113



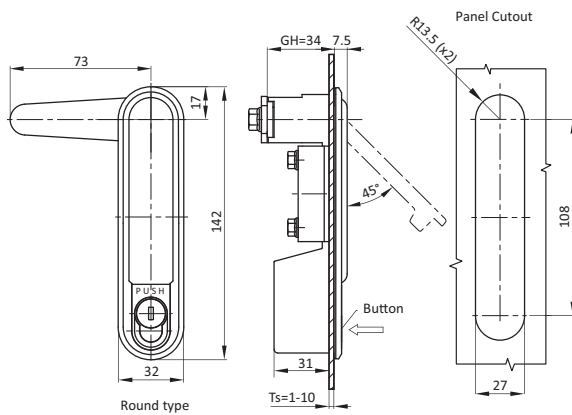
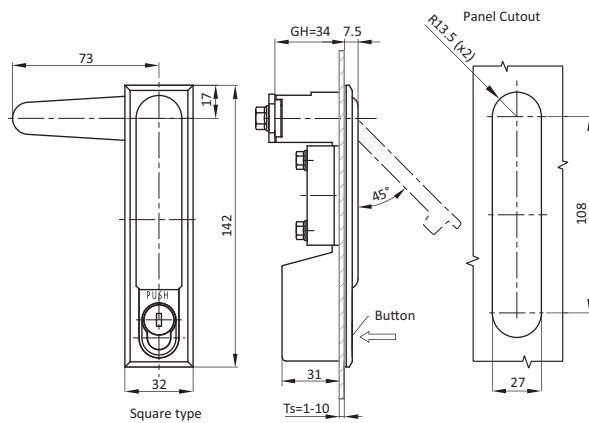
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: Die-cast zinc
Shaft and rod control: Die-cast zinc

Surface Body: Black powder coated / chrome plated
Shaft and rod control: Zinc plated

Specials Right and Left
Push button lock
Keyed FH333



Cylinder Lock Swing Handle

Version

Black Powder Coated

Chrome Plated

Square type

0813219

0813220

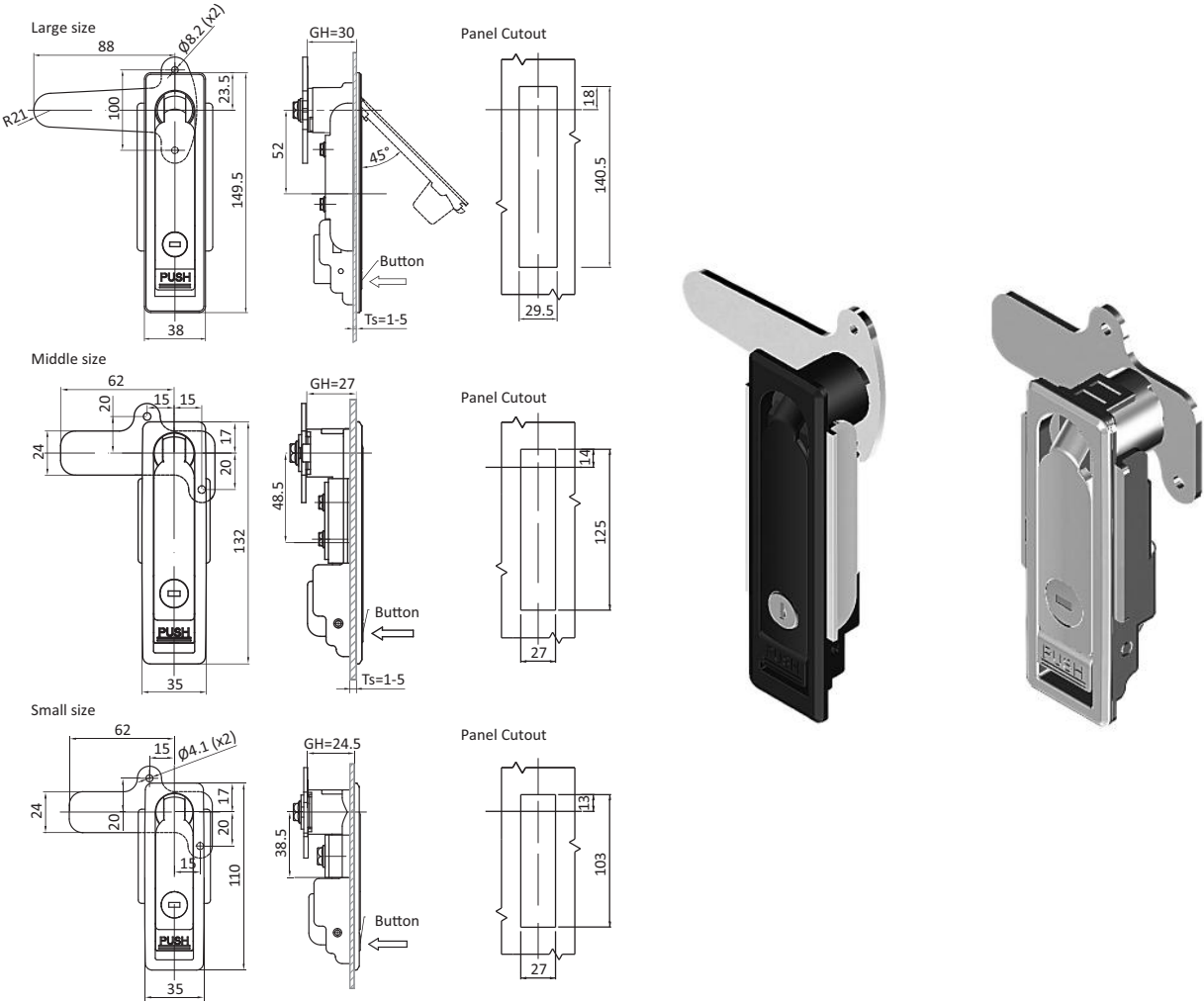
Round type

0813221

0813222

CYLINDER LOCK SWING HANDLE

- Description** For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.
- Material** Body: Die-cast zinc
Cam: Mild steel
- Surface** Body: Black powder coated / chrome plated
Cam: Zinc plated
- Specials** Right and Left
Push button lock
Keyed FH333



Cylinder Lock Swing Handle	Size	Black Powder Coated	Chrome Plated
	Large	0813214	0813215
	Medium	0813216	0813217
	Small	0813491	0813218



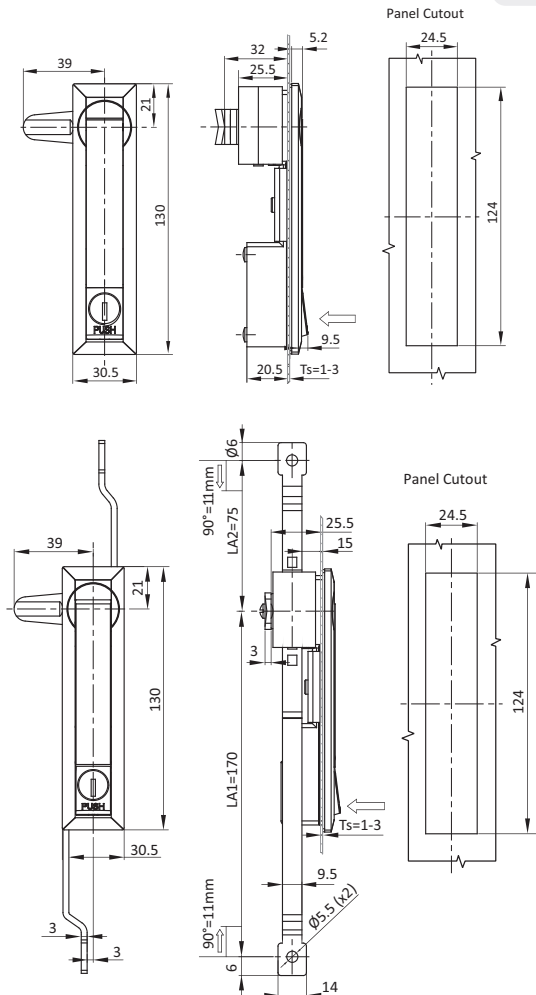
CYLINDER LOCK SWING HANDLE

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: Die-cast zinc
Hardware: Mild steel

Surface Body: Satin chrome plated / black powder coated
Hardware: Zinc plated

Specials Right and Left
IP65 / NEMA 4
Keyed FH333
Push button



Profile Cylinder Lock Swing Handle

Control

Satin chrome plated

Black Powder Coated

With cylinder lock FH333,
push to open

cam control
3 point rod control

0880035
0820110

0880036
0820111

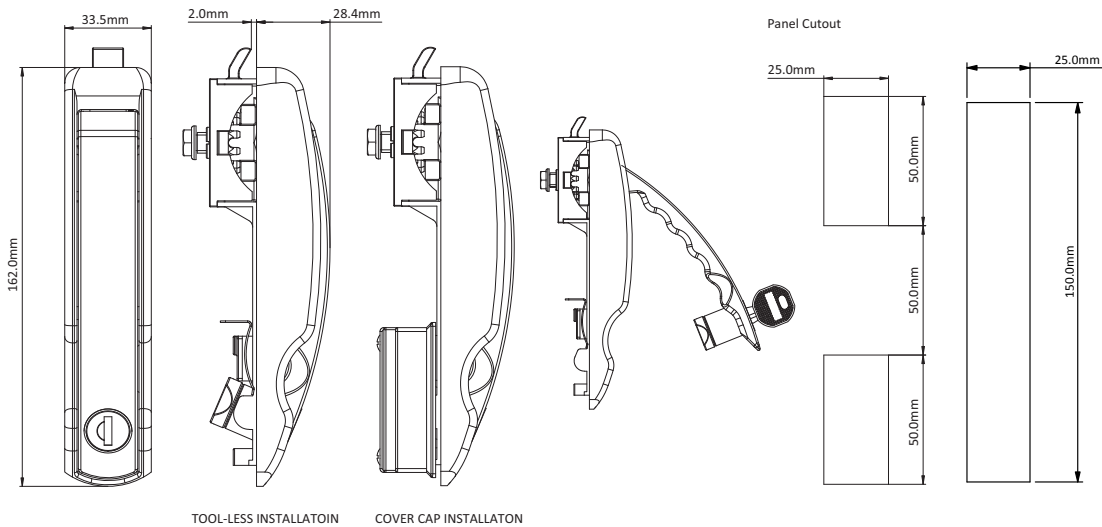


Description For easy and secure latching and locking of doors and flaps. Wide range of inserts, cams, and accessories.

Material PA 30% glass filled
Mounting bracket, push plate, baffle plate and pin: Stainless steel

Surface Black

Specials Right and Left
Keyed FH333



Mounting panel thickness 1.0-2.0mm



SWH

	Standard Operation		Spring Assist Operation		Constant Friction Operation	
	Door Hinged Right Side	Door Hinged Left Side	Door Hinged Right Side	Door Hinged Left Side	Door Hinged Right Side	Door Hinged Left Side
Tool-Less Installation	0813569	0850112	0813569S01	0850112S01	0813569S02	0850112S02
Dust Cap Installation	0850111	0850113	0850111S01	0850113S01	0850111S02	0850113S02



QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

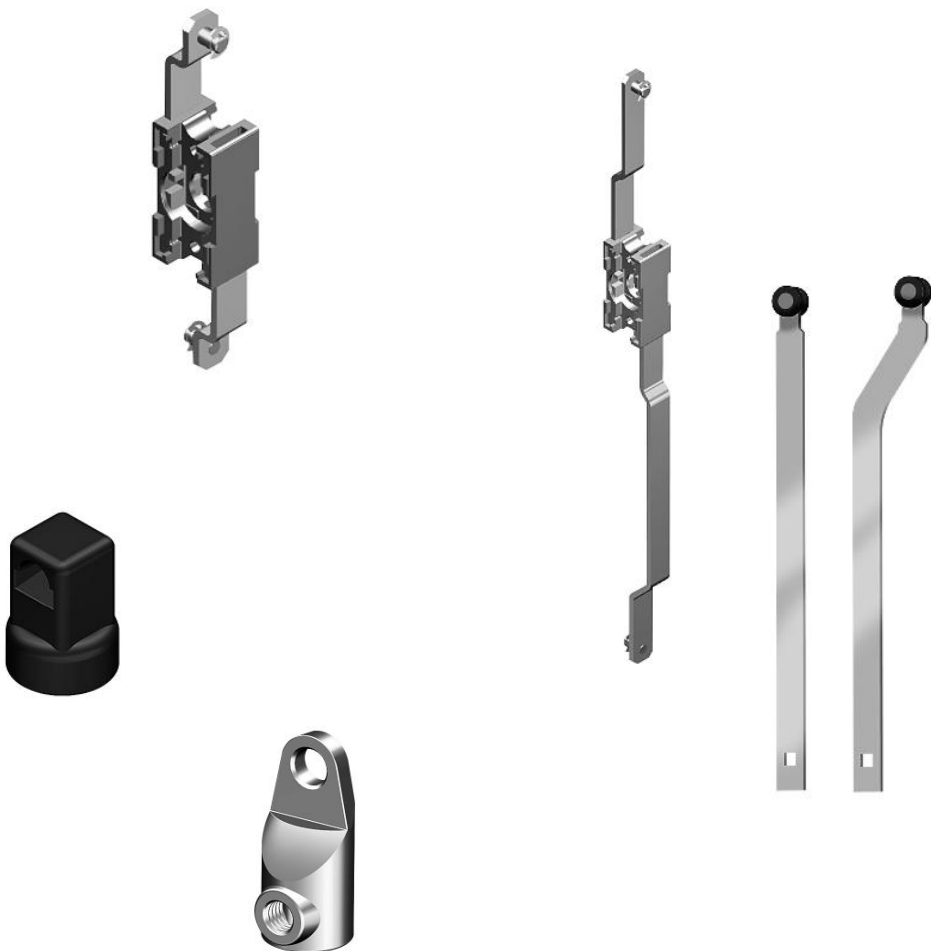
ACC

GSK

HAN

CST

INDUSTRIAL HARDWARE
CHAPTER 5: ACCESSORIES FOR SWING HANDLES



ROD CONTROL	112-113
ROD GUIDES	114
ROD CATCHES	115
ROD GUIDES / ROD ADAPTER	116
RODS	117-118
PROFILE CYLINDER LOCK	119



ROD CONTROL

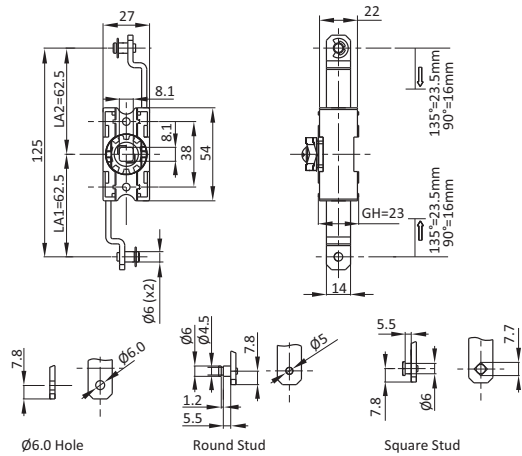
Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: Die cast zinc
Rods: Mild steel

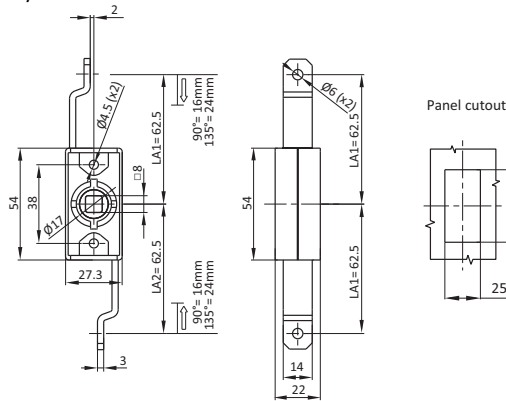
Surface Zinc plated

Specials Right and left

Style A



Style B



Rod End	Style A	Style B
Round studs	0813225	0813226
Square studs	0813227	0813228
6mm Hole	0813229	0813230



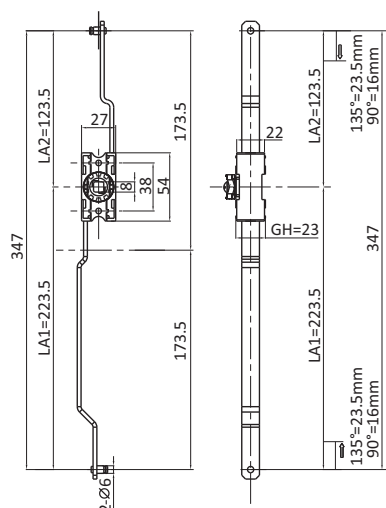
ROD CONTROL

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: Die cast zinc
Rods: Mild steel

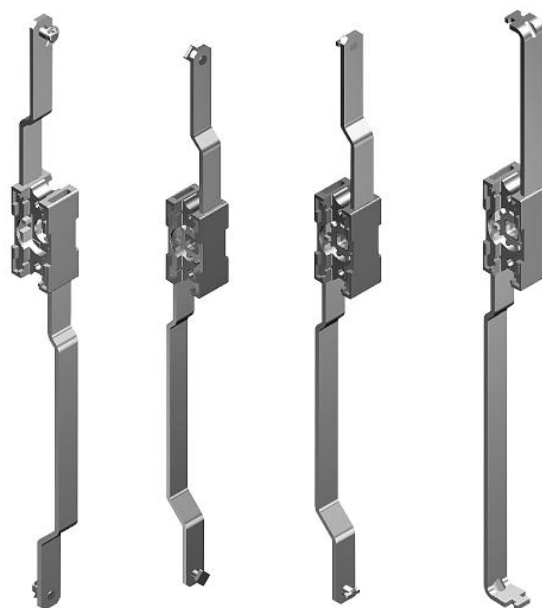
Surface Zinc plated

Specials Right and left

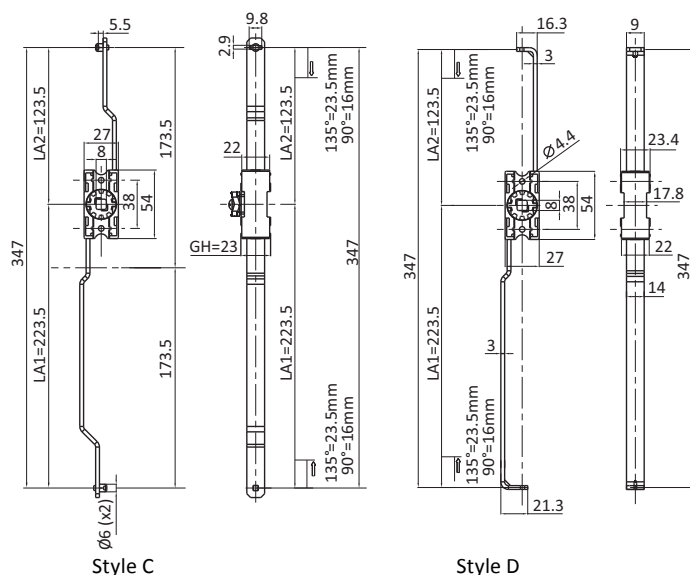


Style A

Style B



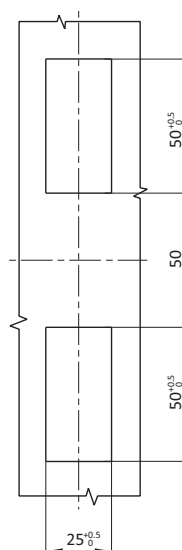
ASH



Style C

Style D

Panel Cutout



Rod End

Part

Round studs (Style A)

0813231

Square studs (Style B)

0813232

Round Hook (Style C)

0813233

Hook (Style D)

0813234



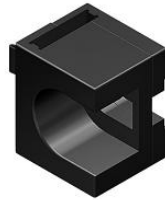
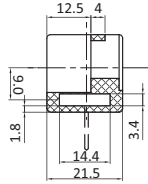
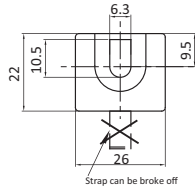
ROD GUIDES

Description To guide flat rods parallel to a door and add extra security to door latching and locking.

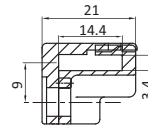
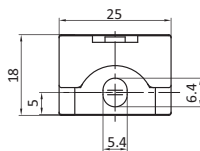
Material PA

Color Black

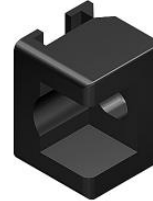
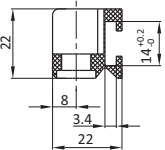
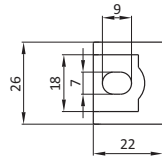
Version A
For weld stud M6x16
or M6x20



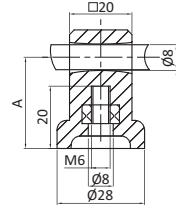
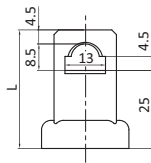
Version B
For weld stud M5x12



Version C



Version D



Version	A [mm]	L [mm]	Stud Size	Flat Rod	Round Rod #
Version A			M6 x 16	0890032	
Version B			M5 x 16	0890033	
Version C			M6 x 16	0813251	
Version D	24	32	M6 x 16		0890129
	29	38	M6 x 16		0890030
	34	44	M6 x 16		0890031

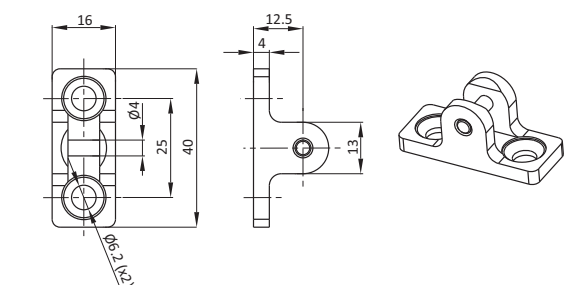


ROD CATCHES

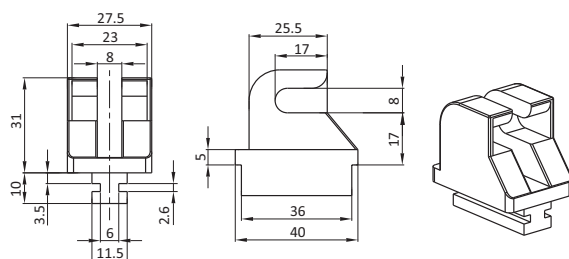
Description To latch a door with multiple points.

Material Die cast zinc

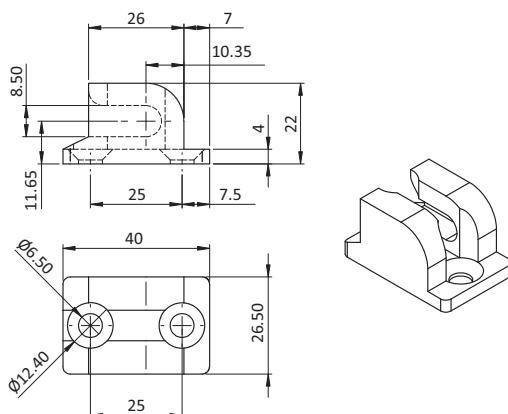
Surface Zinc plated
 Black powder coated



Style A



Style B



Style C



Rod Catches

Finish

Part

Style A	Zinc Plated	0813253
Style B	Black Powdered Coated	0813254
Style C	Black Powdered Coated	0890029

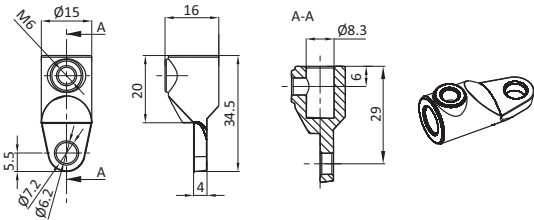
ROD GUIDES / ROD ADAPTER

Description To guide flat rods parallel to a door and add extra security to door latching and locking

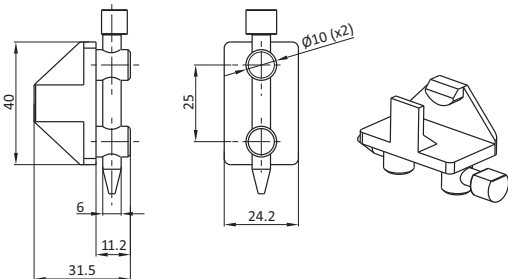
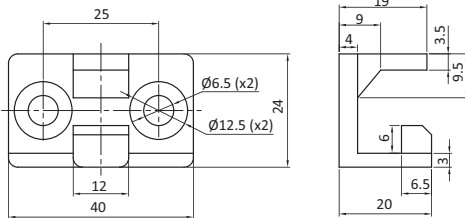
Material Die cast zinc
316 SS
Clamping pin: PA black

Surface Nickel plated
Black powder coated

Color Clamping pin: Black



Rod catch



Zinc plated

Black Powder Coated

316 SS

	Zinc plated	Black Powder Coated	316 SS
Adapter	0890027		0890027E
Rod catch		0890028	
Rod guide		0813252	

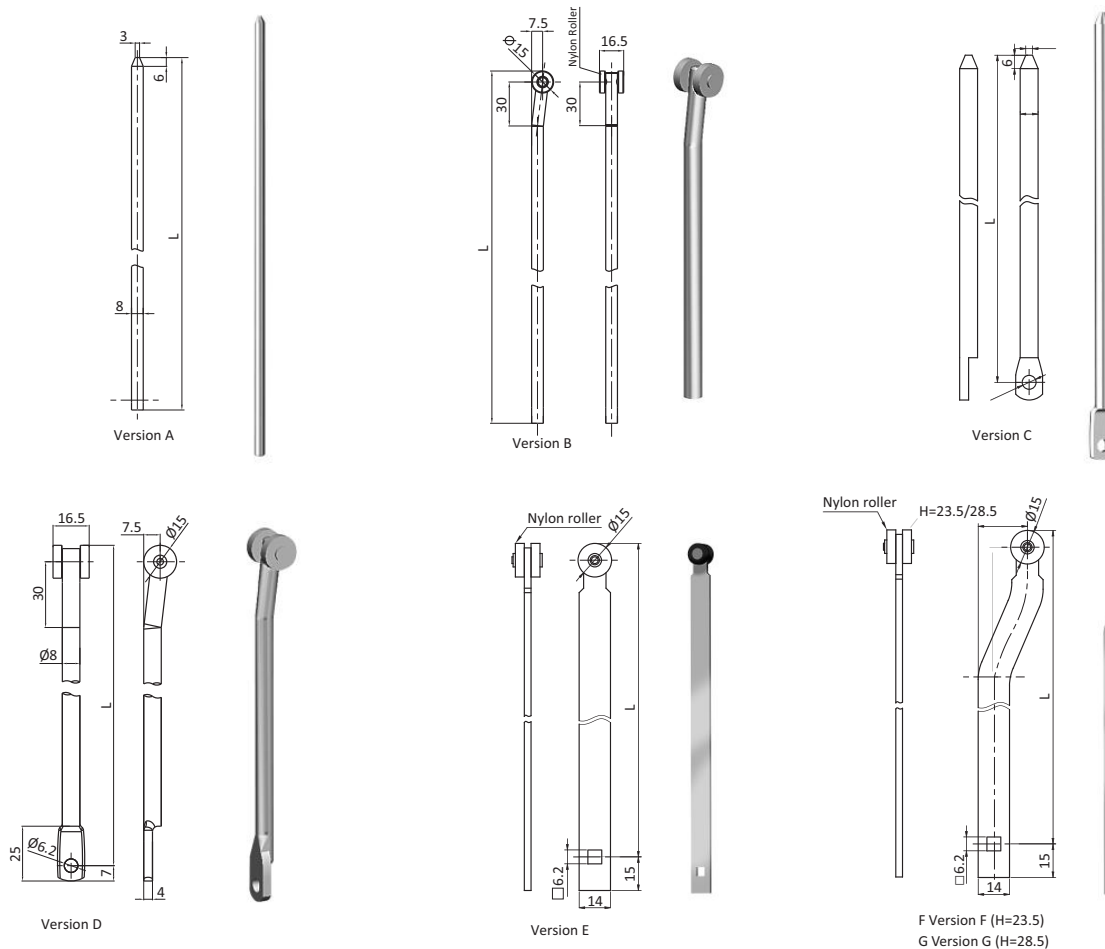


RODS

Description Locks and unlocks both quarter turns and swing handles

Material Mild steel with nylon roller

Surface Zinc plated



L [mm]	Version A	Version B	Version C	Version D	Version E	Version F	Version G
400	0890060	0890068	0890076	0890084	0890092	0890100	0890108
500	0890061	0890069	0890077	0890085	0890093	0890101	0890109
600	0890062	0890070	0890078	0890086	0890094	0890102	0890110
700	0890063	0890071	0890079	0890087	0890095	0890103	0890111
800	0890064	0890072	0890080	0890088	0890096	0890104	0890112
900	0890065	0890073	0890081	0890089	0890097	0890105	0890113
1000	0890066	0890074	0890082	0890090	0890098	0890106	0890114
1100	0890067	0890075	0890083	0890091	0890099	0890107	0890115
1200	0890201	0890202	0890203	0890204	0890205	0890206	0890207

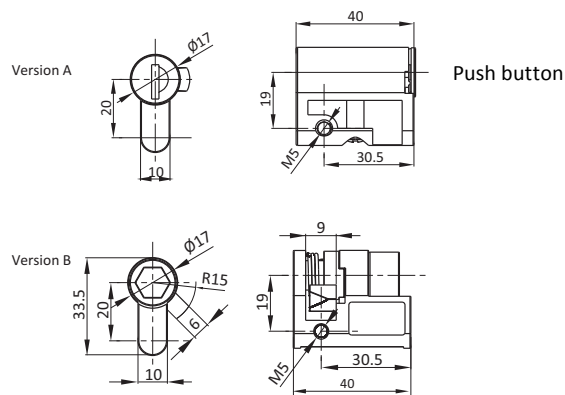


PROFILE CYLINDER LOCK

Description For easy and secure latching and locking of doors and flaps.
Wide range of inserts, cams, and accessories.

Material Body: Die cast zinc

Surface Chrome plated



Style A



Style B



Cylinder Style	Style A	Style B
Keyed FH233	06002SH0001R01	
Keyed FH333	0811042	0811043
Double bit 3mm	0810506	0813235
Double bit 4mm	0810507	0813236
Double bit 5mm	0810508	0813237
Slot 2 x 4	0810509	0813238
Slot 2 x 4 coin proof	0810510	0813239
Triangle 7mm	0810511	0813240
Triangle 8mm	0810512	0813241
Square 7mm	0810513	0813242
Square 8mm	0810514	0813243
Square 7mm with slot	0810515	0813244
Square 8mm with slot	0810516	0813245
Female square 8mm	0810517	0813246
Hexagon female 8mm	0810518	0813247
Hexagon female 9mm	0810519	0813248
Hexagon female 8mm with 3mm pin	0810520	0813249
Hexagon male 10mm	0810521	0813250

INDUSTRIAL HARDWARE

CHAPTER 6: SURFACE HINGES



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PLASTIC HINGE 20

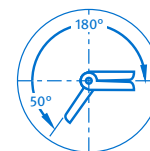
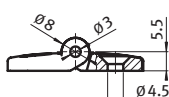
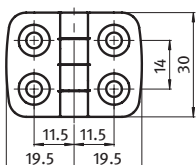
Description To hinge panels or aluminum profiles

Material Wings: Nylon PA, glass fiber reinforced
Bolt: Stainless steel

Color Black

Fastening From the front, using M4 countersunk screws

Specials electrostatically conductive, further colors, fixing pins for installation on aluminum profiles available on request



Plastic Hinge 20

FA max [N]

FR max [N]

Part #

200

400

095012

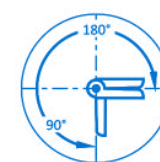
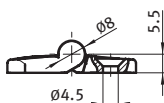
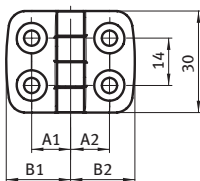
STAINLESS STEEL COMBI HINGE 20

Description To hinge panels

Material Wing: Stainless steel SS316
Bolt: Stainless steel SS430 F

Surface Polished

Fastening From the front, using M4 countersunk screws



Stainless Steel Combi Hinge 20

A1 [mm]

A2 [mm]

B1 [mm]

B2 [mm]

FAmax [N]

FRmax [N]

Part #

11.5

11.5

19.0

19.0

450

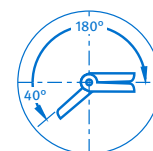
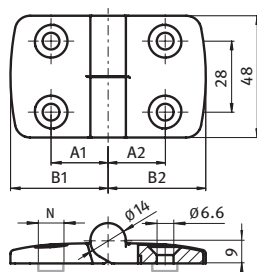
700

095E2020F



PLASTIC COMBI HINGES

Description To hinge panels
Material Hinge leaves: Nylon PA, glass fiber reinforced
 Hinge pin: Stainless steel
Color Black



Plastic Combi Hinges	A1 [mm]	A2[mm]	B1[mm]	B2 [mm]	Left Hand	Right Hand	Non-Lift Off
	15.0	15.0	26.0	26.0	095K2525L00	095K2525R00	095K2525F00
	17.5	17.5	29.5	29.5	095K3030L00	095K3030R00	095K3030F00
	20.0	20.0	36.0	36.0	095K3535L00	095K3535R00	095K3535F00
	22.5	22.5	38.5	38.5	095K4040L00	095K4040R00	095K4040F00
	25.0	25.0	43.5	43.5	095K4545L00	095K4545R00	095K4545F00
	27.5	27.5	48.5	48.5	095K5050L00	095K5050R00	095K5050F00
	32.5	32.5	57.5	57.5	095K6060L00	095K6060R00	095K6060F00

Asymmetric hinges available on request



COMBI HINGES WITH LOCKING LEVER

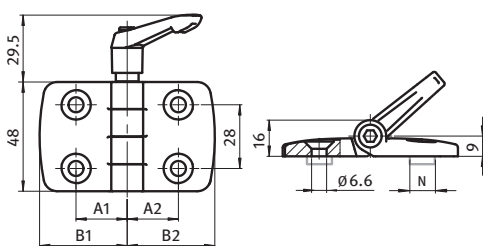
Description To hinge panels or aluminum profiles;
can be locked at any position

Material Hinge: Nylon PA, glass fiber reinforced
Locking lever: Nylon PA, glass fiber reinforced
Mechanism: Steel, zinc plated (RoHS conform)

Color Black

Fastening From the front, using M6 countersunk screws

Specials ⚡ electrostatically conductive, other sizes, other colors on request



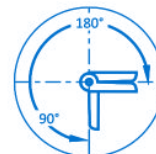
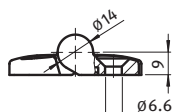
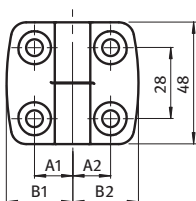
Combi Hinges with Locking Lever	A1 [mm]	A2 [mm]	B1 [mm]	B2 [mm]	FMax [N]	FRmax [N]	Part #
	15.0	15.0	26.0	26.0	380	500	095KF2525F00
	17.5	17.5	29.5	29.5	400	700	095KF3030F00
	20.0	20.0	36.0	36.0	400	700	095KF3535F00
	22.5	22.5	38.5	38.5	450	750	095KF4040F00
	25.0	25.0	43.5	43.5	450	750	095KF4545F00
	27.5	27.5	48.5	48.5	425	800	095KF5050F00
	32.5	32.5	57.5	57.5	175	850	095KF6060F00

Asymmetric hinges available on request



ALUMINUM COMBI HINGES

Description To hinge panels
Material Hinge leaves: Die-cast aluminum
 Hinge pin: Stainless steel
Surface Alu color lacquered



Aluminum Combi Hinges	A1 [mm]	A2 [mm]	B1 [mm]	B2 [mm]	Left Hand	Right Hand	Non-Lift Off
	15.0	15.0	26.0	26.0	095A2525L	095A2525R	095A2525F
	17.5	17.5	29.5	29.5	095A3030L	095A3030R	095A3030F
	20.0	20.0	36.0	36.0	095A3535L	095A3535R	095A3535F
	22.5	22.5	38.5	38.5	095A4040L	095A4040R	095A4040F
	25.0	25.0	43.5	43.5	095A4545L	095A4545R	095A4545F
	27.5	27.5	48.5	48.5	095A5050L	095A5050R	095A5050F
	32.5	32.5	57.5	57.5	095A6060L	095A6060R	095A6060F

Asymmetric hinges available on request

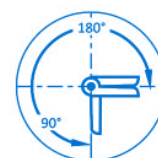
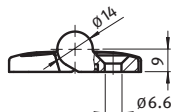
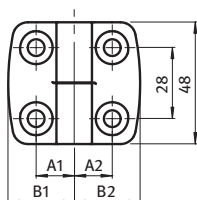


STAINLESS STEEL COMBI HINGES

Description To hinge panels

Material Hinge leaves: Stainless steel SS316
Hinge pin: Stainless steel

Surface Polished



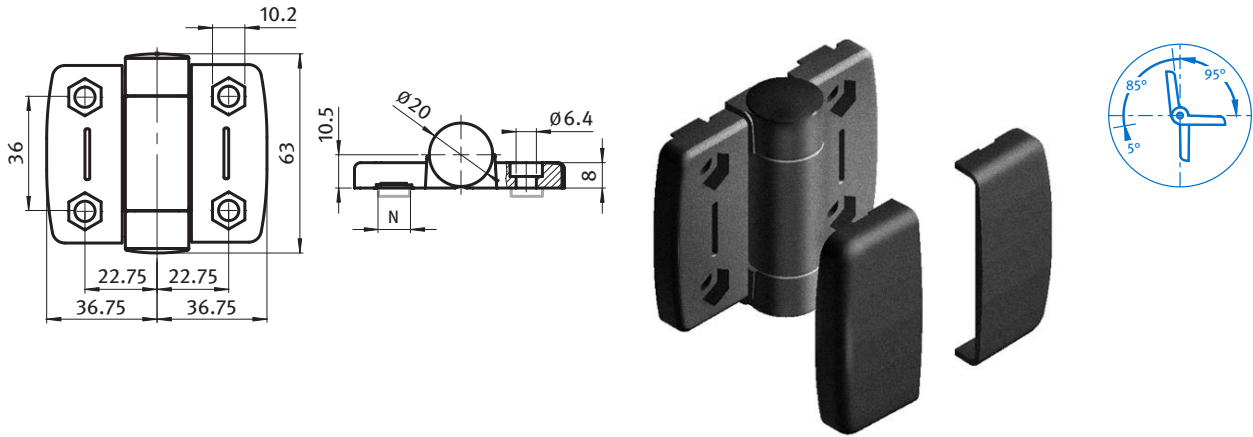
Stainless Steel Combi Hinges	A1 [mm]	A2 [mm]	B1 [mm]	B2 [mm]	Left Hand	Right Hand	Non-Lift Off
	15.0	15.0	26.0	26.0	095E2525L	095E2525R	095E2525F
	17.5	17.5	29.5	29.5	095E3030L	095E3030R	095E3030F
	20.0	20.0	36.0	36.0	095E3535L	095E3535R	095E3535F
	22.5	22.5	38.5	38.5	095E4040L	095E4040R	095E4040F
	25.0	25.0	43.5	43.5	095E4545L	095E4545R	095E4545F
	27.5	27.5	48.5	48.5	095E5050L	095E5050R	095E5050F
	32.5	32.5	57.5	57.5	095E6060L	095E6060R	095E6060F

Asymmetric hinges available on request



SYSTEM HINGES

Description To hinge panels
Material Hinge leaves: Nylon PA, glass fiber reinforced
Hinge pin: Stainless steel
Color Black



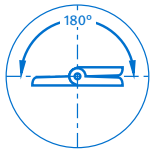
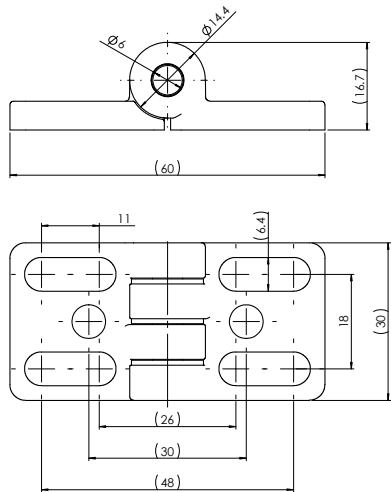
System Hinges	A1 [mm]	B1 [mm]	Standard	Position	Friction
	17.75	27.0	095S3030A00	095SR3030A00	095SF3030A00
	22.75	36.75	095S4040A00	095SR4040A00	095SF4040A00

SFH



DIE-CAST ZINC HINGE 30 WITH OBLONG HOLES

Description To hinge panels or aluminum profiles
Material Wings: Die-cast zinc
Pin: Stainless steel
Surface Black powder coated
Fastening From the front, using M6 screws
Specials Other surfaces, other colors on request

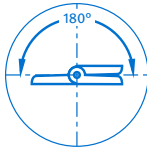
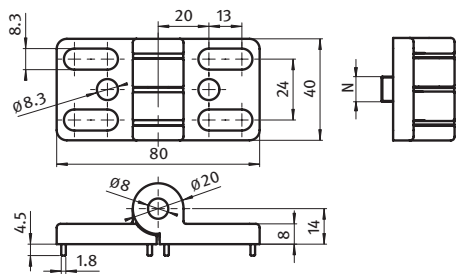


Die-cast Zinc Hinge 30	FMax [N]	FRmax [N]	Part #
	350	1000	095400



DIE-CAST ZINC HINGE 40 WITH OBLONG HOLES

Description To hinge panels
Material Wings: Die-cast zinc
Pin: Stainless steel
Surface Black powder coated
Fastening From the front, using M6 screws
Specials Other surfaces, other colors on request



Die-cast Zinc Hinge 40	FAMax [N]	FRmax [N]	Part #
	500	1200	095300





DIE-CAST ZINC HINGE WITH LOCKING LEVER

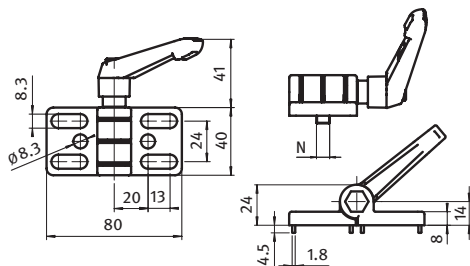
Description For panels, can be locked in any position

Material Wings: Die-cast zinc
 Locking lever: Nylon PA, glass fiber reinforced
 Mechanism: Steel, black zinc plated (RoHS)

Surface Black powder coated

Fastening From the front, using M8 screws


Specials Other surfaces, other colors on request

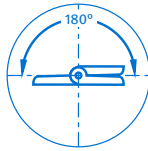
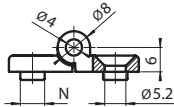
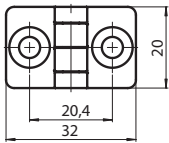


Die-cast Zinc Hinge	F _{Amax} [N]	F _{Rmax} [N]	Part #
	500	1200	095300F



PLASTIC HINGE 20 MINI

- Description** To hinge panels or aluminum profiles
- Material** Wings: Nylon PA, glass fiber reinforced
Bolt: Stainless steel
- Color** Black
- Fastening** From the front, using M5 countersunk screws
- Specials**  electrostatically conductive, other sizes, other colors on request



Plastic Hinge 20 Mini	FAmax [N]	FRmax [N]	Part #
	240	300	095022F00





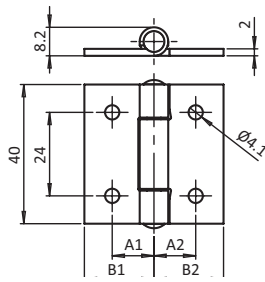
LIGHT STAINLESS STEEL HINGE

Description To hinge panels

Material Wing: 304 Stainless Steel
Bolt: 304 Stainless Steel

Color Plain

Fastening From the front, using M6 countersunk screws

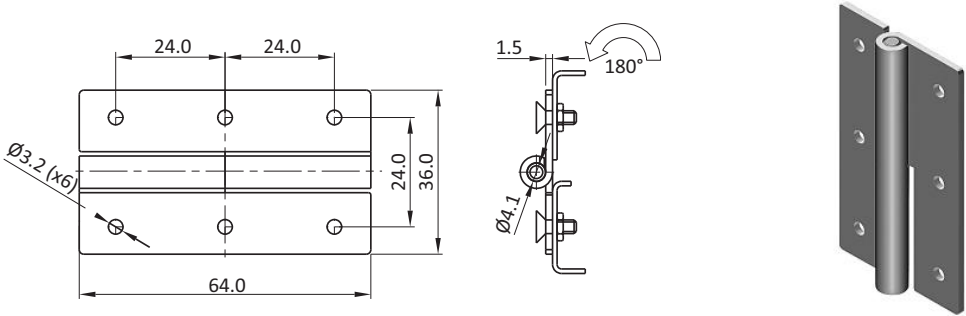


Light Stainless Steel Hinge	A1 [mm]	A2 [mm]	B1 [mm]	B2 [mm]	[N]	[N]	Part #
	12.0	12.0	20.0	20.0	320.0	390.0	095072



SCREW ON HINGE

Description To hinge panels
Material Mild Steel
304 SS
Pin: SS
Surface Zinc plated
Specials Lift off
Left and right



Screw-On Hinge	Left	Right
304 SS	0813295	0813296
Mild steel zinc plated	0813297	0813298





MINI HINGE

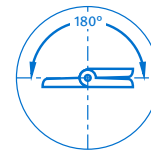
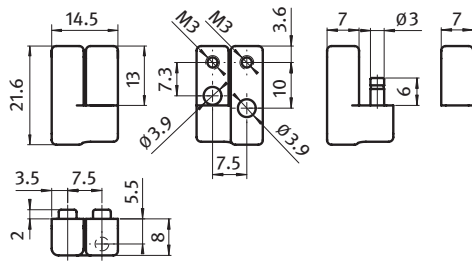
Description Mini hinge for various applications, especially in limited space

Material Wings: Die-cast zinc
Pin: Stainless steel

Surface Black powder coated

Fastening From the back, using M3 screws

Specials Other surfaces, other colors on request

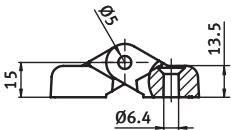
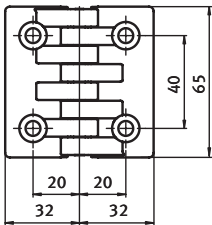


Mini Hinge	Weight [g]	F _A max [N]	F _R max [N]	Left Hand, Lift off	Right Hand, Lift off
	12.0	100	100	095023L	095023R



HEAVY-DUTY PLASTIC HINGE 65 X 64

- Description** To hinge panels
- Material** Wings: Nylon PA, glass fiber reinforced
Bolt: Stainless steel
- Surface** Black
- Fastening** From the front, using M6 countersunk screws
- Specials** electrostatically conductive, other sizes, other colors on request



Plastic Hinge	FAmax [N]	FRmax [N]	Part #
	1500	2800	095065





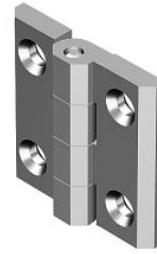
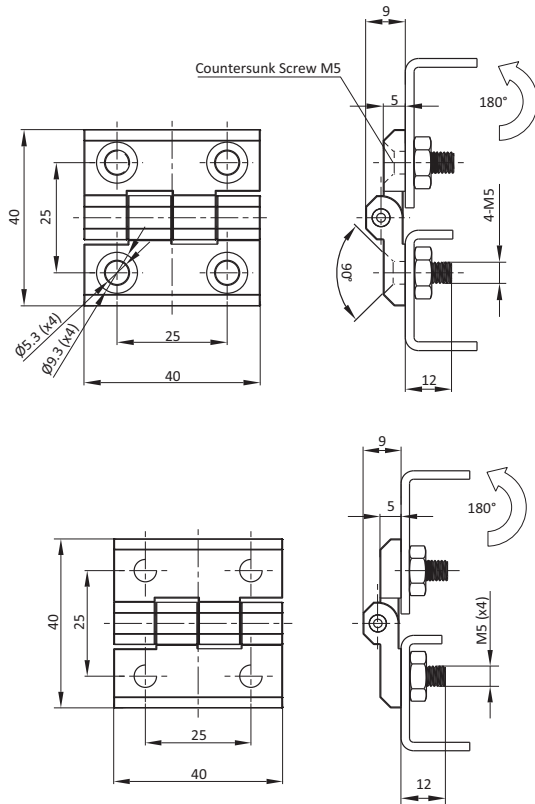
SCREW-ON HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc / stainless steel
Hinge pin: Mild steel

Surface Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel

Specials Non lift off



Version	Black Powder Coated	Chrome Plated	SS 316
Countersunk Screw M5	095005	095005S02	09574040E
Threaded M5 Studs	0830113	0830114	



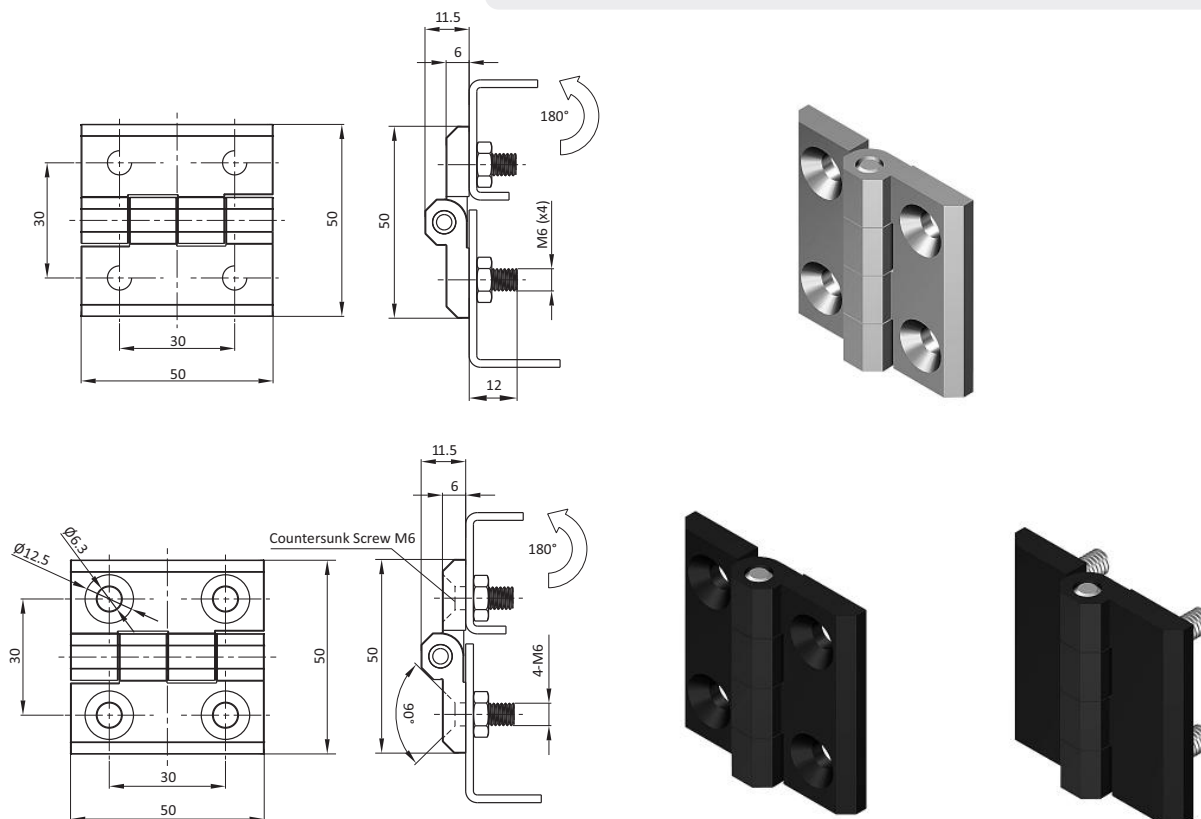
SCREW-ON HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc / stainless steel
Hinge pin: Mild steel

Surface Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel

Specials Non lift off



SFH

Version	Black Powder Coated	Chrome Plated	SS 316
Countersunk Screw M6	095006	095006S01	09575050E
Threaded M6 Studs	0830115	0830116	

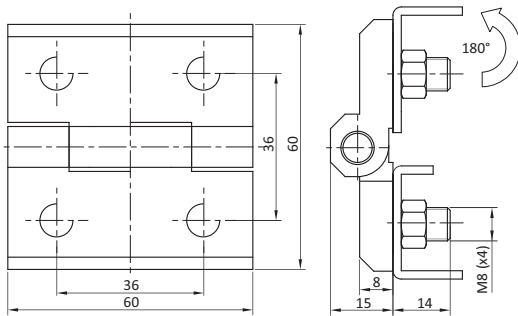
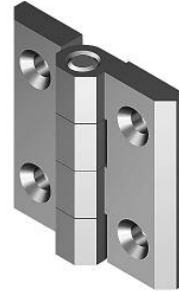
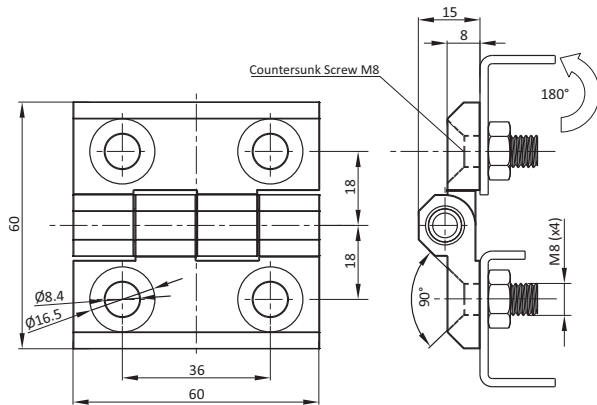
SCREW-ON HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc / stainless steel
Hinge pin: Mild steel

Surface Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel

Specials Non lift off

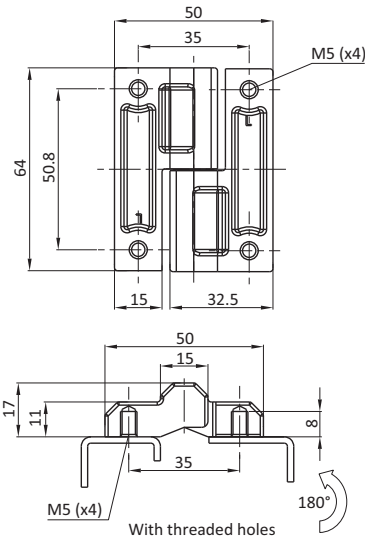


Version	Black Powder Coated	Chrome Plated	SS 316
Countersunk Screw M8	095009	095009S01	09576060E
Threaded M8 Studs	0830117	0830118	



LIFT-OFF HINGES

Description To hinge panels
Material Hinge leaves: Die-cast zinc
Hinge pin: Mild steel
Surface Hinge leaves: Black powder coated
Hinge pin: 304 Stainless Steel
Specials Lift off



Version	Left Version	Right Version
With Clamping Pins	0830012S02	0830013S02
With threaded hole #10-32	0830012S01	
With threaded hole M5	0830012	0830013



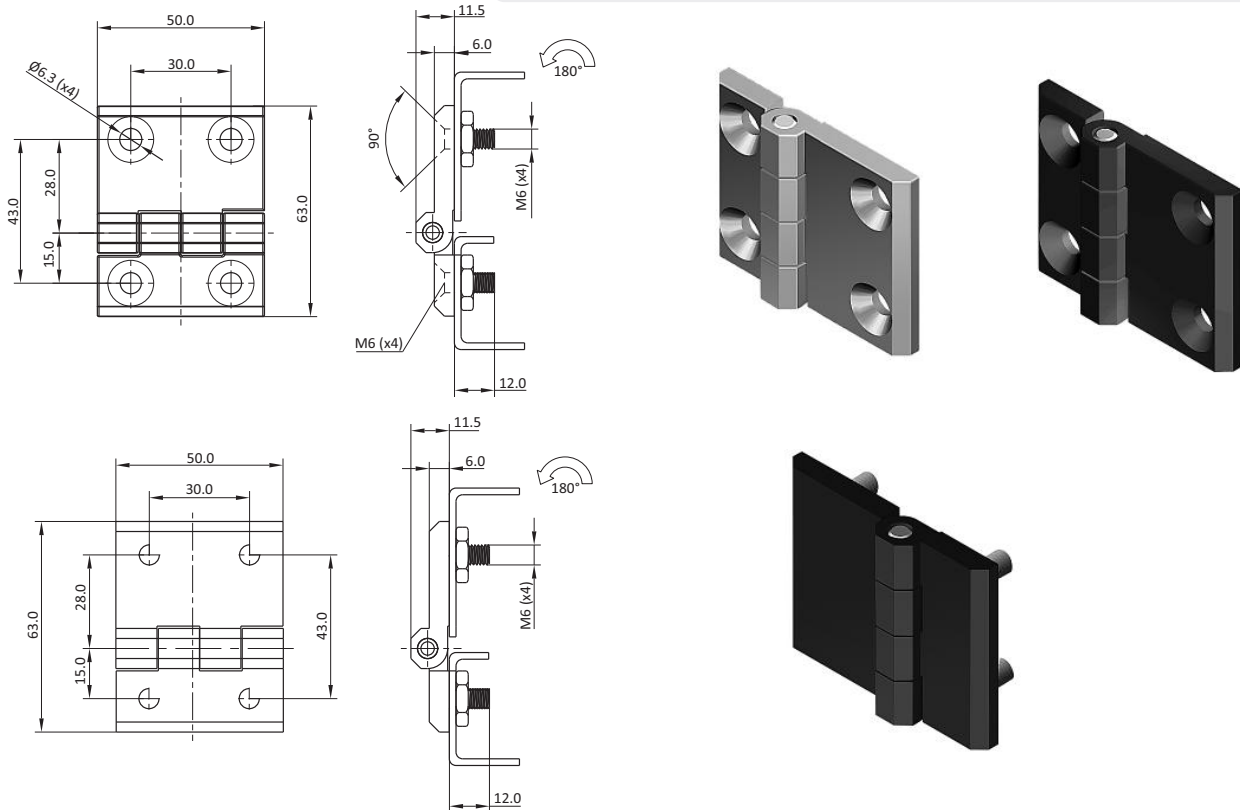
SCREW-ON HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc
Hinge pin: Mild steel

Surface Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel

Specials Non lift off
Left and right

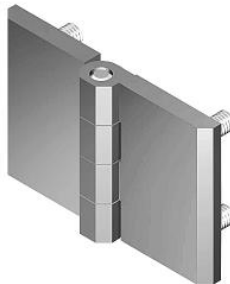
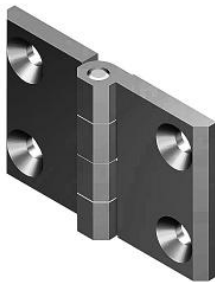
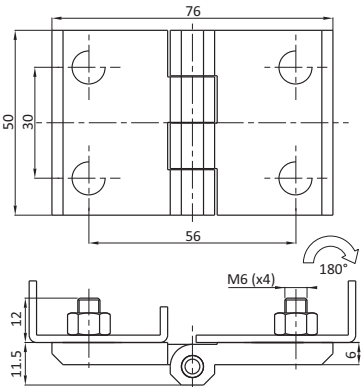
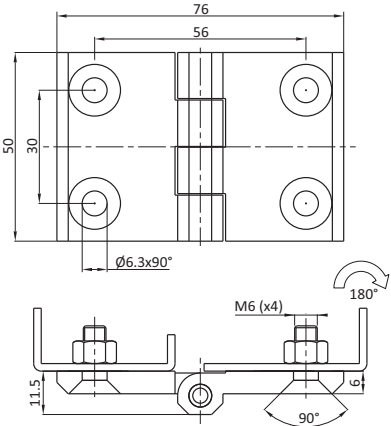


Version	Black Powder Coated	Chrome Plated	SS 316
Countersunk Screw M6	095010	095010S01	0830003
Threaded M6 Studs	0813286	0813288	



SCREW-ON HINGES

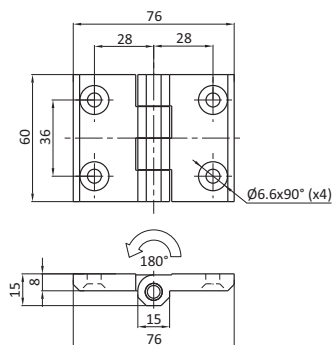
- Description** To hinge panels
- Material** Hinge leaves: Die-cast zinc / stainless steel
Hinge pin: Mild steel
- Surface** Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel
- Specials** Non lift off
Left and right



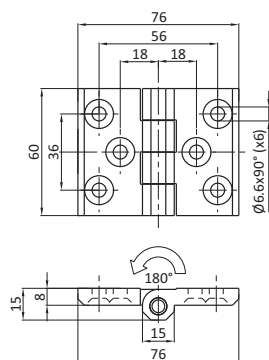
Version	Black Powder Coated	Chrome Plated	SS 316
Countersunk Screw M6	095007	095007S01	0830002
Threaded M6 Studs	095007SB	095007SBS01	

SCREW ON HINGES

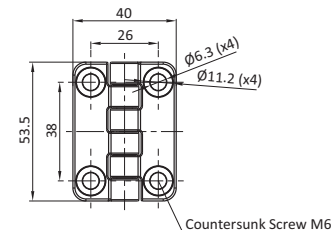
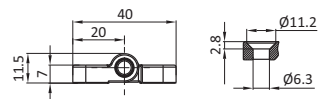
Style A



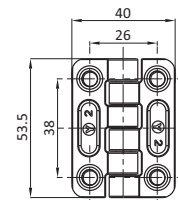
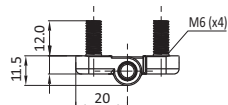
Style B



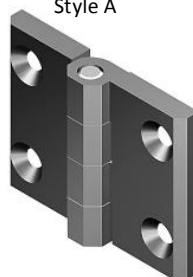
Style C



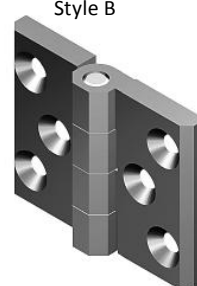
Style D

**Description** To hinge panels**Material** Hinge leaves: Die-cast zinc
Hinge pin: Mild steel**Surface** Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel**Specials** Non lift off

Style A



Style B



Style C



Style D

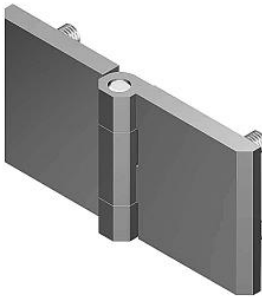
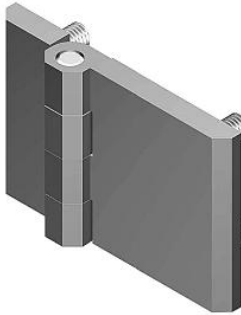
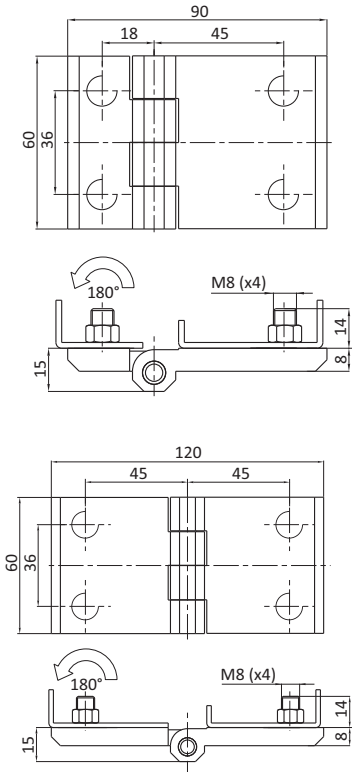


	Version	Black Powder Coated	Chrome Plated
Style A	4 M6 countersunk screw holes	0813303	0813307
Style B	6 M6 countersunk screw holes	095008	095008S01
Style C	4 M6 countersunk screw holes	0813305	0813309
Style D	4 M6 threaded studs	0813306	0813310



SCREW-ON HINGE

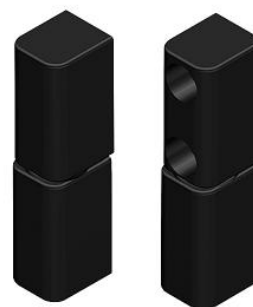
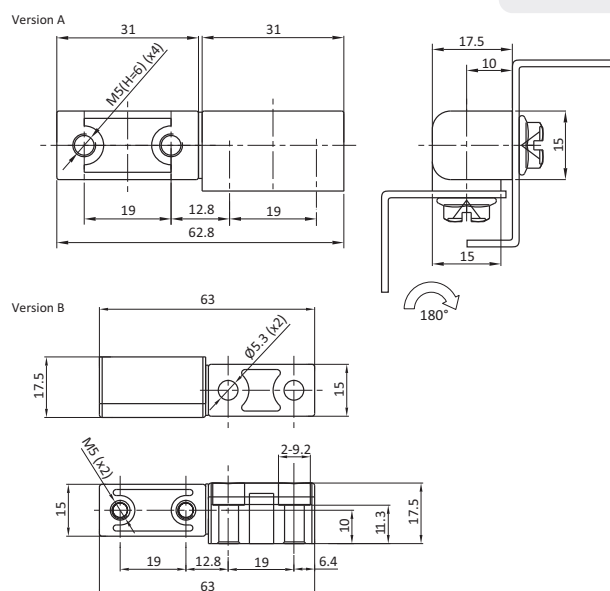
Description To hinge panels
Material Hinge leaves: Die-cast zinc
Hinge pin: Mild steel
Surface Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel
Specials Non lift off
Left and right



Screw on hinge	Length [mm]	Black Powder Coated	Chrome Plated
	90	0813299	0813301
	120	0813300	0813302



SCREW ON HINGES

Description To hinge panels**Material** Hinge leaves: Die-cast zinc
Hinge pin: Mild steel**Surface** Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel**Specials** Lift off
Left and right**Version****Black Powder Coated****Chrome Plated**

Version A

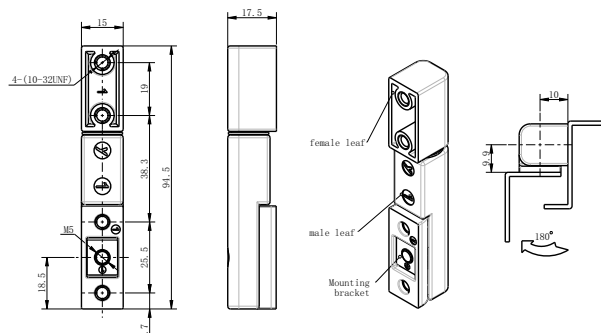
0830026

0830030

Version B

0830027

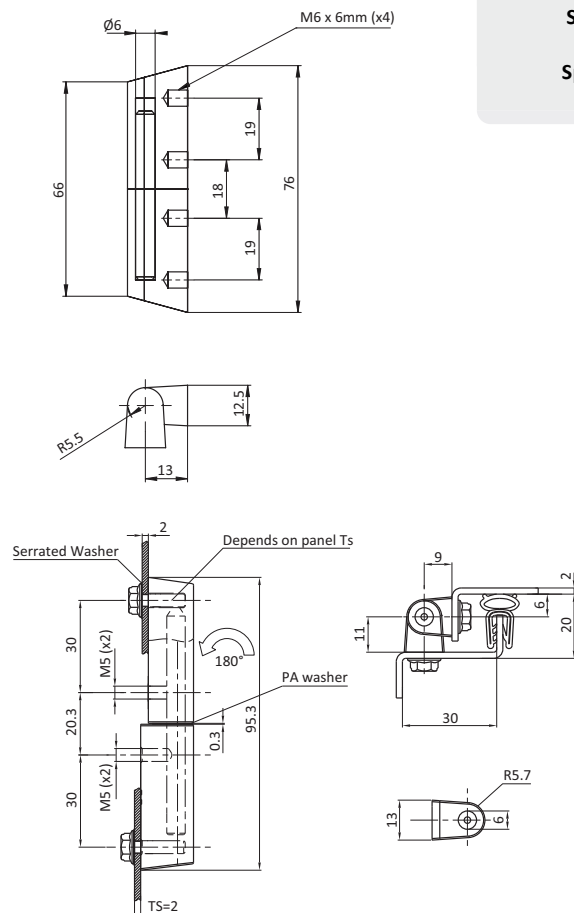
0830031

Description To hinge panels**Material** Hinge leaves: Die-cast zinc
Hinge pin: Mild steel**Surface** Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel**Specials** Lift off
Left and right
Adjustable compression**Black Powder Coated**

0830201

LIFT OFF HINGES

Stainless steel version

**Description** To hinge panels**Material** Hinge leaves: Die-cast zinc, PA 6, 316 SS
Hinge pin: Mild steel, SS**Surface** Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel**Specials** Lift off
Left and right

Length [mm]	PA 6	Die-cast Zinc Black Powder Coated	Die-cast Zinc Chrome Plated	316 SS
95	0830004	0830004S01	0830123	
76				0830004S02

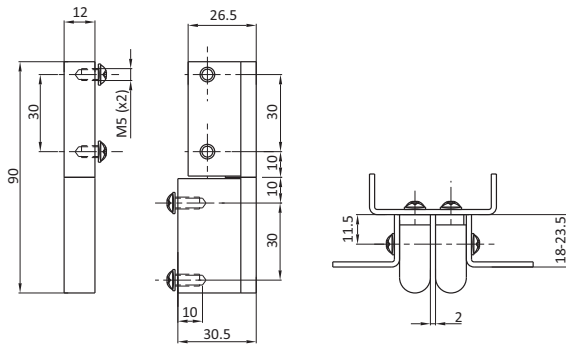


LIFT OFF HINGE

Description To hinge panels

Material Hinge leaves: Die-cast zinc
Hinge pin: Mild steel

Surface Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel

Specials Lift off
Left and right


Screw-On Hinge

Black Powder Coated

Chrome Plated

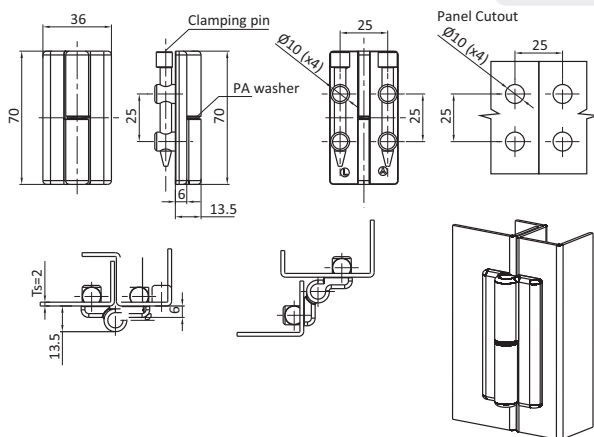
0830047

0830048

Description To hinge panels

Material Hinge leaves: Die cast zinc
Pin: SS
Clamping pin: PA

Surface Black powder coated

Specials Lift off, Tool-less installation
Left and right


Screw-On Hinge

Left

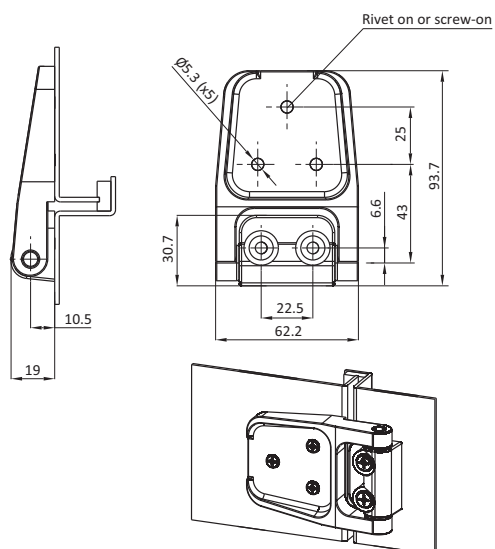
Right

0830012S02

0830013S02



SCREW-ON HINGE



- Description** To hinge panels
- Material** Hinge leaves: Nylon PA, glass fiber reinforced
 Hinge pin: Mild steel
- Surface** Hinge leaves: Black
 Hinge pin: 304 Stainless Steel
- Specials** Non lift off
 Left and right



Screw-On Hinge

Part #

0813294

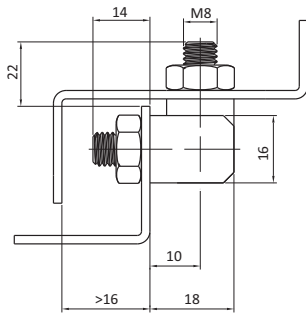
SFH



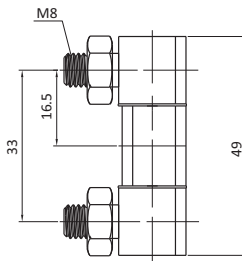
SCREW-ON HINGE

Description To hinge panels
Material Mild steel / stainless steel
Color Zinc plated / plain
Specials Left and right

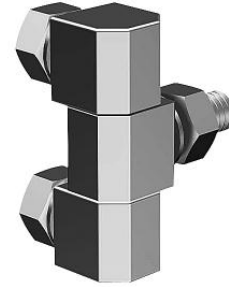
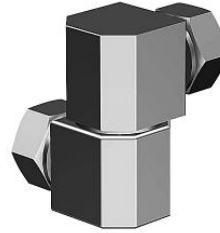
Large Size



Two Joints



Three Joints



Screw on Hinges

Mild Steel

Stainless Steel

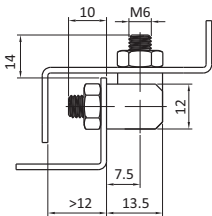
Two Joints	0830057	0830055
Three Joints	0830058	0830056



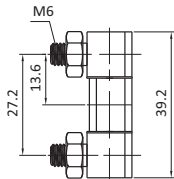
LIFT OFF HINGES

Description To hinge panels
Material Mild steel / stainless steel
Color Zinc plated / plain
Specials Left and right

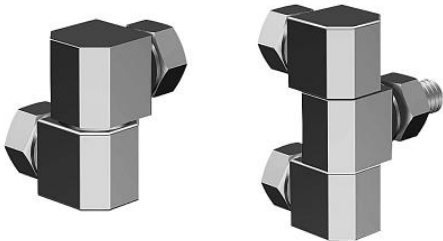
Small Size



Two Joints



Three Joints



Screw on Hinges		Mild Steel	Stainless Steel
Two Joints		0830053	0830051
Three Joints		0830054	0830052





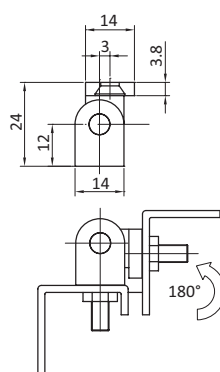
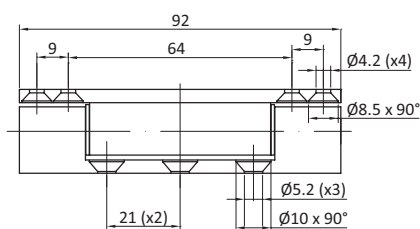
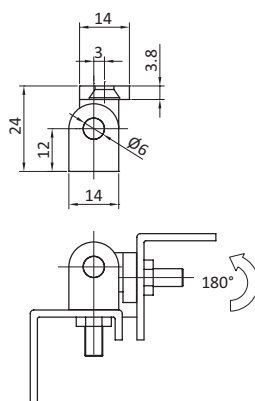
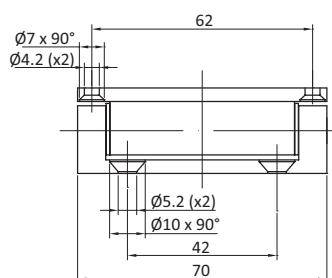
SCREW ON HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc
Hinge pin: Mild steel

Surface Hinge leaves: Black powder coated / chrome plated
Hinge pin: Zinc plated

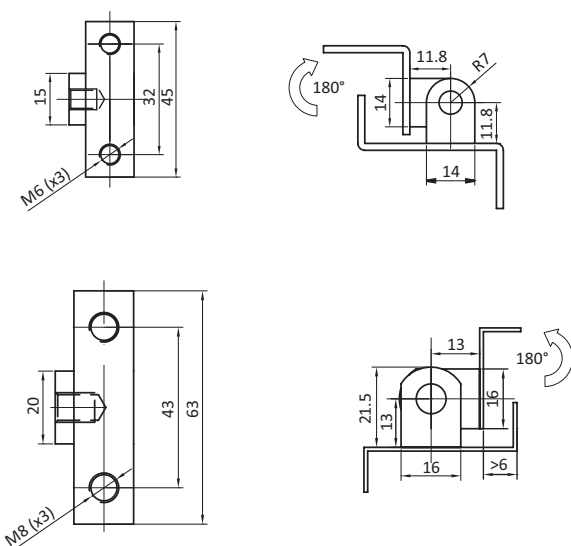
Specials Non lift off



Hinges	Length [mm]	Black Powder Coated	Chrome Plated
	62	0830109	0830111
	92	0830110	0830112

SCREW ON HINGES

Description To hinge panels
Material Hinge leaves: Die-cast zinc
 Hinge pin: Mild steel
Surface Hinge leaves: Black powder coated / chrome plated
 Hinge pin: 304 Stainless Steel
Specials Non lift off



Hinge	Length [mm]	Black Powder Coated	Chrome Plated
	45	0830090	0830092
	63	0830091	0890093

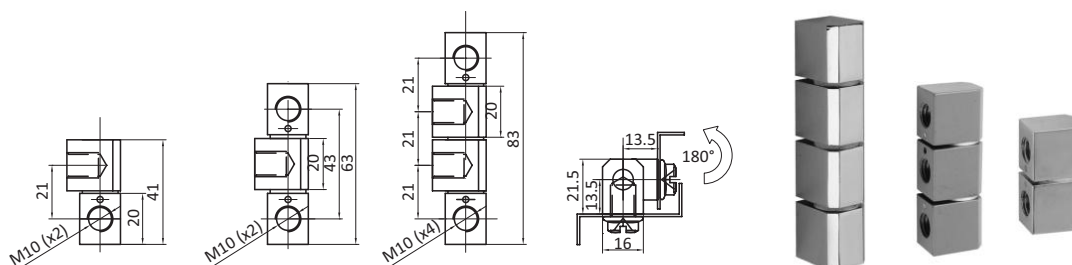


SCREW ON HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc
 Hinge pin: Mild steel

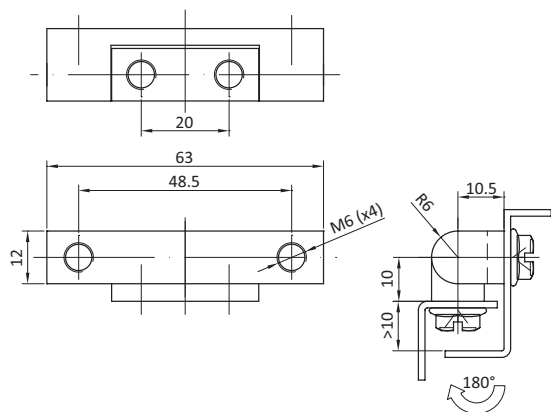
Surface Hinge leaves: Black powder coated / chrome plated
 Hinge pin: 304 Stainless Steel

Specials Non lift off


Hinges	Length [mm]	Black Powder Coated	Chrome Plated
	41	0830094	0830097
	63	0830095	0830098
	83	0830096	0830099

SCREW ON HINGES

- Description** To hinge panels
- Material** Hinge leaves: Die-cast zinc
Hinge pin: Mild steel
- Surface** Hinge leaves: Black powder coated / chrome plated
Hinge pin: 304 Stainless Steel
- Specials** Non lift off



Hinges

Black Powder Coated

Chrome Plated

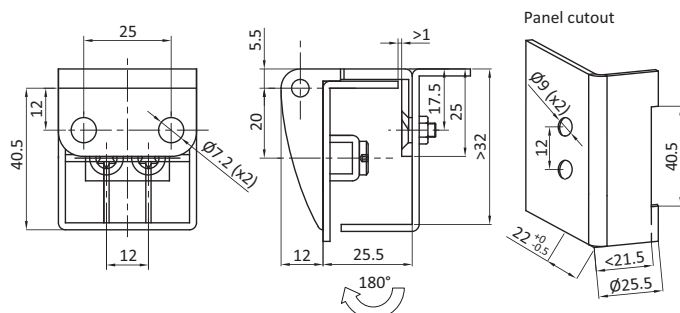
0830078

0830077

SFH

SEMI-CONCEALED HINGES

- Description** To hinge panels
- Material** Hinge leaves: Die-cast zinc
Hinge pin and mounting pin: Mild steel
- Surface** Hinge leaves: Black powder coated / turquoise powder coated
Hinge pin and mounting pin: Zinc plated



Semi-Concealed Lift off Hinges

Black Powder Coated

Turquoise Powder Coated

0813382

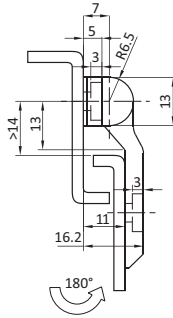
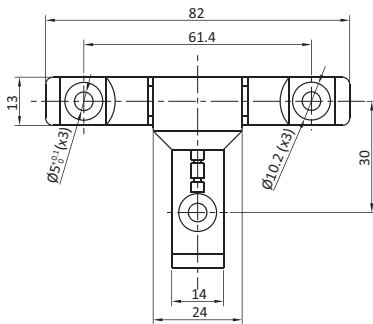
0813383



SCREW-ON HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc
Hinge pin and mounting pin: Mild steel

Surface Hinge leaves: Black powder coated


Black Powder Coated

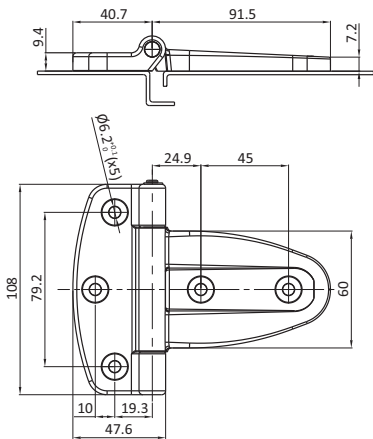
0830080

SCREW-ON HINGE

Description To hinge panels

Material Hinge leaves: Die cast zinc
Pin: SS

Surface Hinge leaves: Black

Specials Non lift off
Left and right


Screw-On Hinge

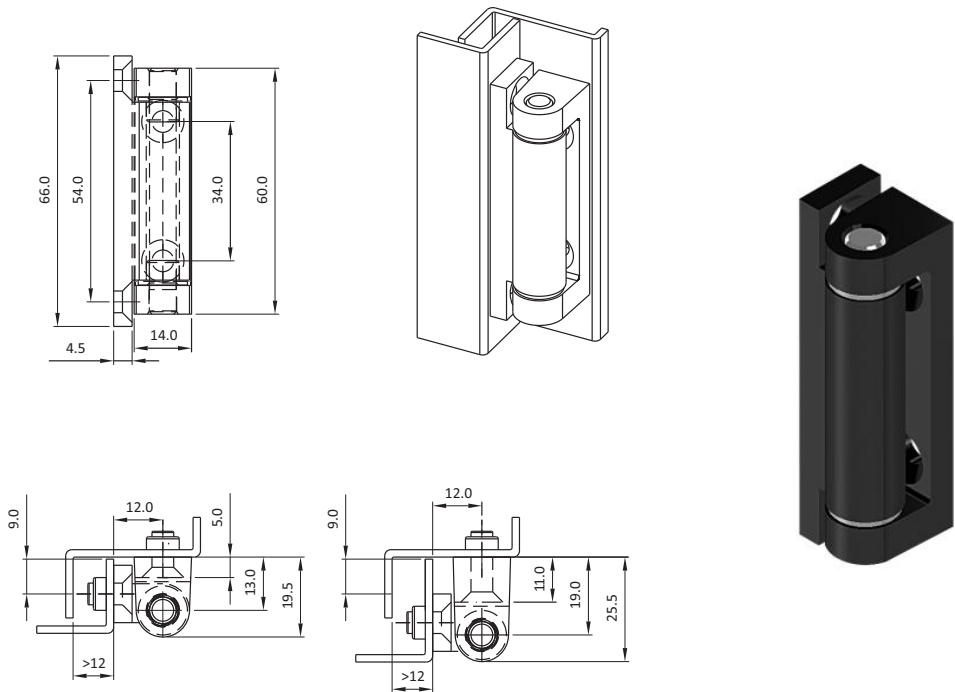
Part #

0813317



SCREW-ON HINGES

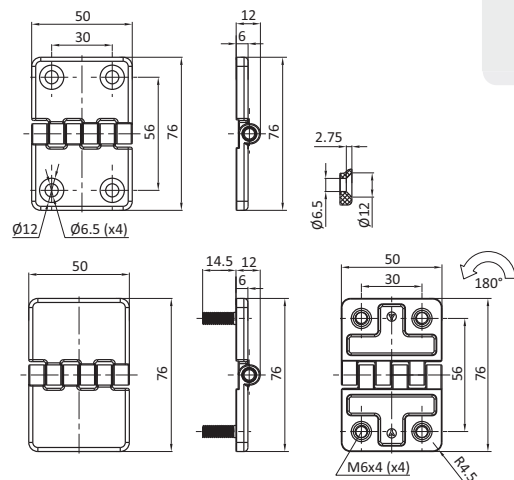
Description To hinge panels
Material Hinge leaves: Die-cast zinc
Hinge pin and mounting pin: Mild steel
Surface Hinge leaves: Black powder coated / chrome plated
Hinge pin and mounting pin: Zinc plated



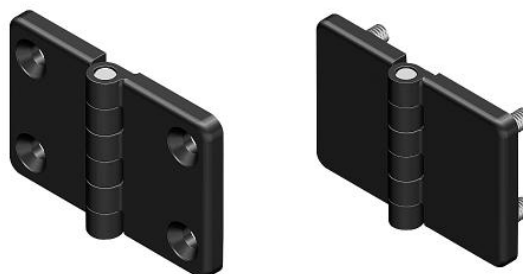
Offset [mm]	Black Powder Coated	Chrome Plated
13	0813388	0813389
19	0813390	0813391

SFH

SCREW-ON HINGES



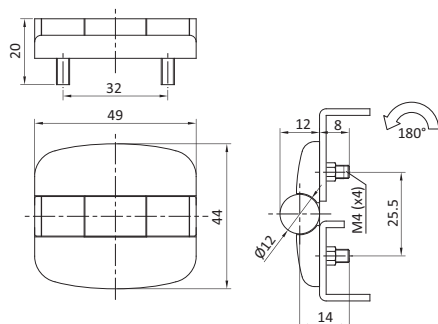
Description To hinge panels
Material Hinge leaves: Die-cast zinc
 Hinge pin: Mild steel
Surface Hinge leaves: Black powder coated / chrome plated
 Hinge pin: Zinc plated
Specials Non lift off



Version	Black Powder Coated	Chrome Plated
4 M6 countersunk screw holes	0830180	0830181
4 M6 threaded studs	0830119	0830120

SCREW-ON HINGE

Description To hinge panels
Material Nylon
Color Black
Specials Non lift off
 Left and right



Screw-On Hinge	Free swinging	Detented open angle
	095074	0813312

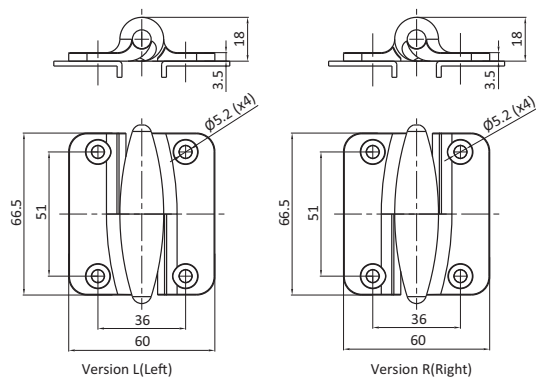


SCREW-ON HINGE

Description To hinge panels

Material Hinge leaves: Die cast zinc
Pin: SS

Surface Black powder coated / chrome plated

Specials Lift off
Left and right


Screw-On Hinge

Left

Right

Black powder coat

0813313

0813314

Chrome plate

0813315

0813316

FRICTION HINGES

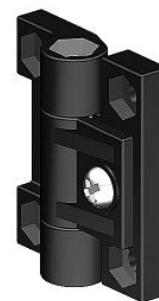
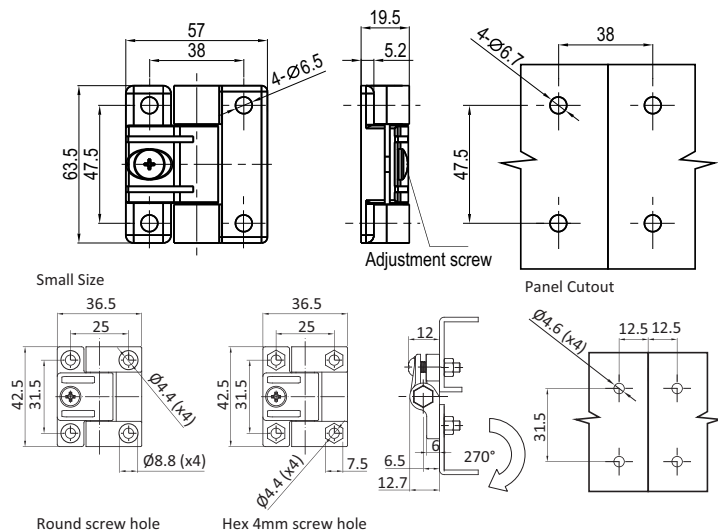
Description To hinge panels

Material Hinge leaves: Acetal
Hinge pin: Polycarbonate

Color Hinge leaves: Black and white

Specials Lift off
Left and right

Large Size



Black

White

Round screw hole

Hex 4mm screw hole

Round screw hole

Hex 4mm screw hole

Small version

0813290

0830015

0813292

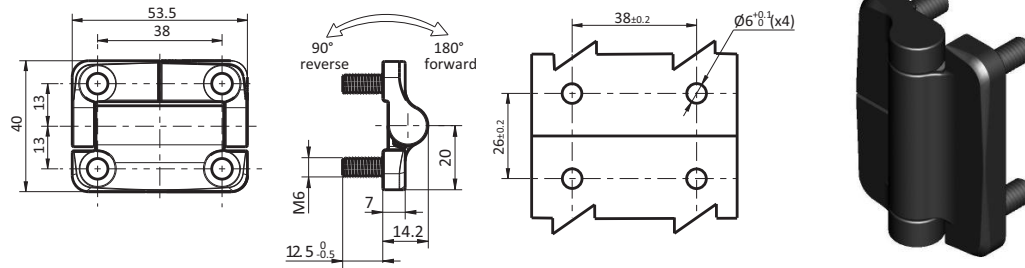
0813293

Large version

0830184



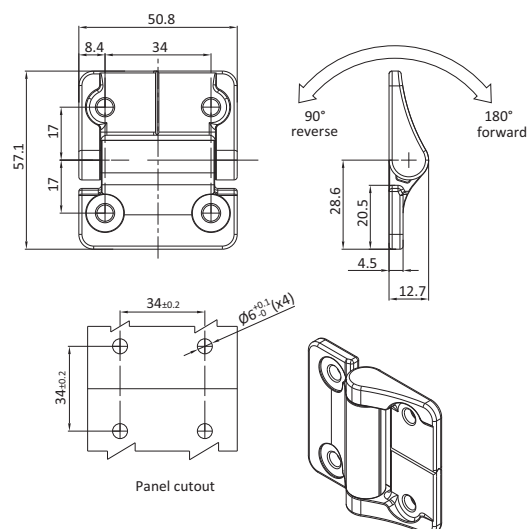
FRICTION HINGES

Description To hinge panels**Material** Hinge leaves: Die cast Zinc**Surface** Black powder coated**Specials** Life: Within 20 Percent of stated torque after 25,000 cycles

Metal Hinge with Constant Friction	Torque to open [Nm]		Torque to close [N]	Part #
Symetric Torque	1.2	1.2	1.2	0850125
	1.8	1.8	1.8	0850126
	2.3	2.3	2.3	0850127
	3.4	3.4	3.4	0850128
	4.5	4.5	4.5	0850129
Asymetric Torque	2.3	1.4	1.4	0850130
	3.4	2.0	2.0	0850131
	4.5	2.7	2.7	0850132
	1.4	2.3	2.3	0850133
	2.0	3.4	3.4	0850134
	2.7	4.5	4.5	0850135

FRICTION HINGES

Description To hinge panels
Material Hinge leaves: Die cast zinc
 Pin: SS
Surface Black powder coated / chrome plated
Specials Non lift off
 Left and right



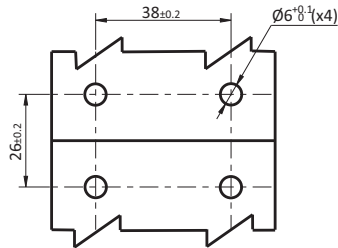
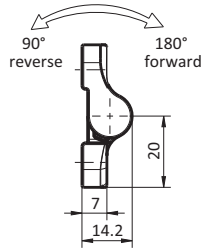
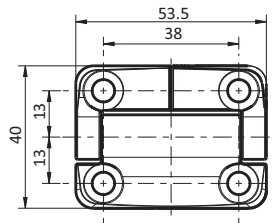
SFH

Screw-on torque hinges	Forward Torque		Reverse Torque	Black powder coat	Natural
Symmetric Torque	Free operating			0813324	0813325
	1.8			0813326	0813327
	2.3			0813328	0813329
	3.4			0813281	0813282
Asymmetric Torque	2.3	1.4		0813330	0813331
	3.4	2.0		0813332	0813333
	4.5	2.7		0813334	0813335
	1.4	2.3		0813336	0813337
	2.0	3.4		0813338	0813339
	2.7	4.5		0813340	0813341

FRICTION HINGES

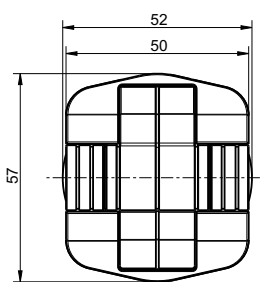
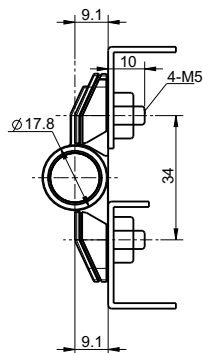
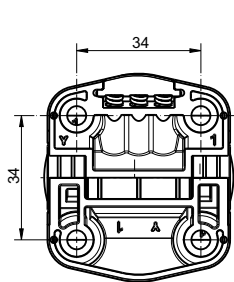
Description To hinge panels**Material** Hinge leaves: Die cast Zinc**Surface** Black powder coated**Specials** Life: Within 20 Percent of stated torque after 25,000 cycles

Panel cutout



Metal Hinge with Constant Friction	Torque to open [Nm]		Torque to close [N]	Part #
Symetric Torque	1.2	1.2		0850114
	1.8	1.8		0850115
	2.3	2.3		0850116
	3.4	3.4		0850117
	4.5	4.5		0850118
Asymetric Torque	2.3	1.4		0850119
	3.4	2.0		0850120
	4.5	2.7		0850121
	1.4	2.3		0850122
	2.0	3.4		0850123
	2.7	4.5		0850124

FRICTION HINGES

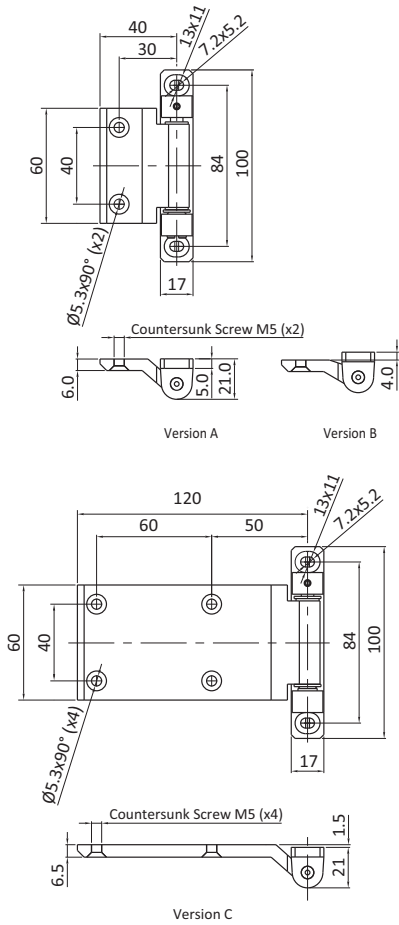


Detented Open Angle	Torque to open and close [Nm]		Part #
80 Degrees	0.7		0830189
	1.1		0830190
	1.7		0830191
115 Degrees	0.7		0830192
	1.1		0830193
	1.7		0830194
150 Degrees	0.7		0830195
	1.1		0830196
	1.7		0830197
No Detent			0830198



SCREW ON HINGE

- Description** To hinge panels
- Material** Hinge: Die cast zinc
Pin: Brass
- Surface** Hinge: Black powder coated
Pin: Nickel plated
- Specials** Non lift off
Left and right



Screw-On Hinges	Version A	Version B	Version C
	0813342	0813343	0813344



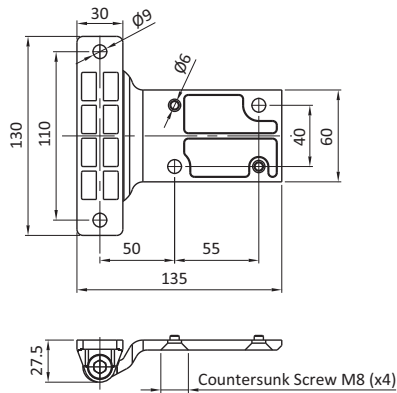
SCREW-ON HINGE

Description To hinge panels

Material Hinge: Die cast zinc
Pin and grub screw: SS

Surface Hinge: Black powder coated

Specials Non lift off
Left and right



Screw-On Hinge

Left

Right

Black powder coat

0813345

0813346

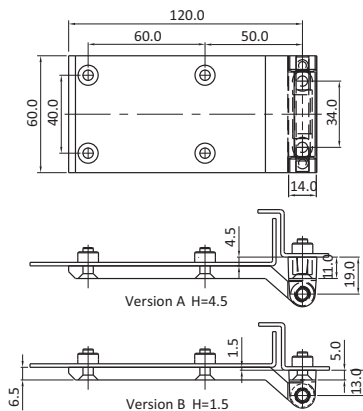
SCREW-ON HINGE

Description To hinge panels

Material Hinge: Die cast zinc
Pin: SS
Washers: PA

Surface Hinge: Black powder coated

Specials Non lift off
Left and right



Screw-On Hinge

Version A

Version B

Black powder coat

0813347

0813348

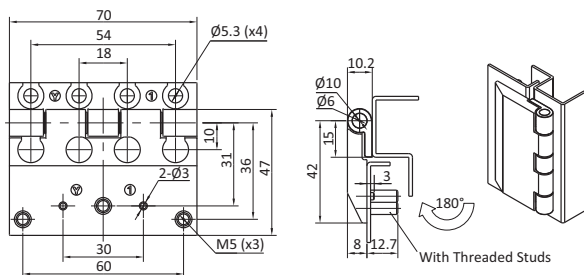


SCREW-ON HINGE

Description To hinge panels

Material Hinge: Die cast zinc
Pin: SS

Surface Black powder coated / Matte silver spray painted

Specials Non lift off
Left and right


Screw-On Hinge

Black Powder Coated

MN Spray Painted (Matte silver)

with M5 threaded stud

0813349

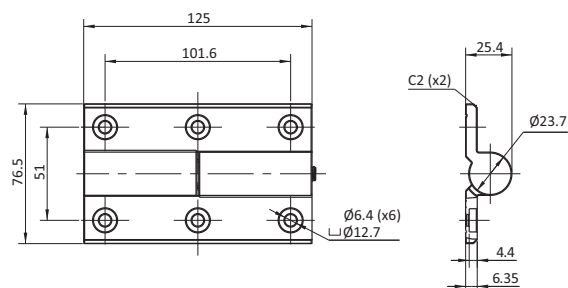
0813350

SCREW-ON HINGE

Description To hinge panels

Material Hinge: Die cast zinc
Pin: SS

Surface Black powder coated / RAL7005 powder coated

Specials Non lift off
Left and right


Screw-On Hinge

Black Powder Coated

MN Spray Painted (Matte silver)

left

095401LS01

095401L

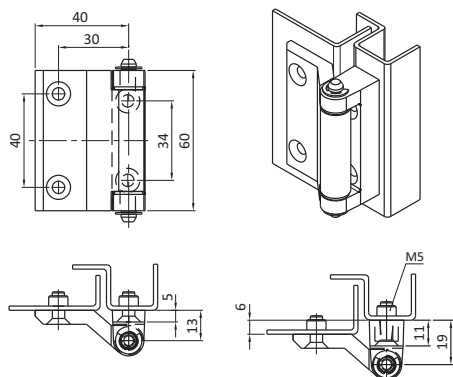
right

095401RS01

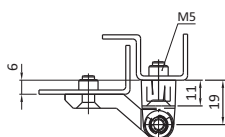
095401R

SCREW-ON HINGES

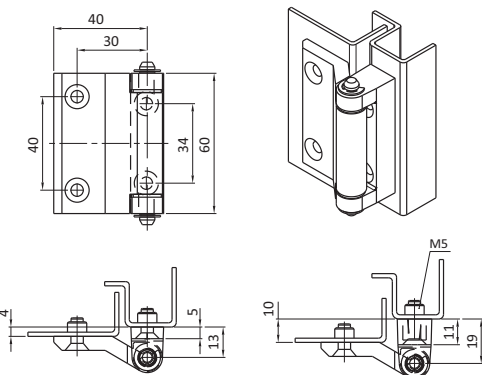
Description To hinge panels
Material Hinge: Die-cast zinc
 Pin: Mild steel
Surface Black powder coated / chrome plated
Specials Non lift off
 Left and right



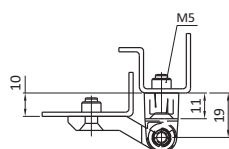
Standard



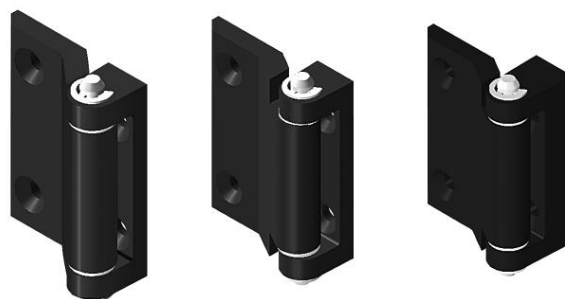
Height: 6mm higher



Height: 4mm higher



Height: 10mm higher

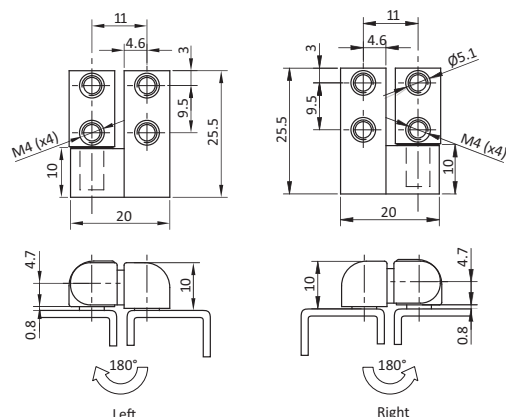


Version	Black Powder Coated	Chrome Plated	SS 316
U4.5 Level	0813352	0813354	0813356
U27.28 6mm higher	0813353	0813355	
U7.10 4mm higher	0813357	0813359	
U19.20 10mm higher	0813358	0813360	



SCREW-ON HINGES

Description To hinge panels
Material Hinge: Die cast zinc
Surface Black powder coated
Specials Lift off
 Left and right

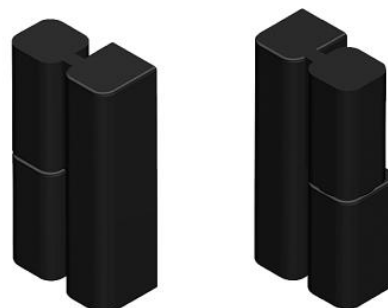
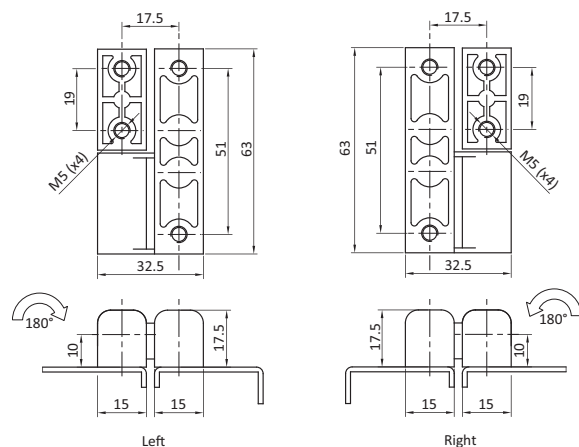


Screw-On Hinge	Left	Right
M4 Screw Hole	0830016	0830017
#6-32 Screw Hole	0813361	0813362

SFH

SCREW-ON HINGES

Description To hinge panels
Material Hinge: Die cast zinc
Surface Black powder coated / chrome plated
Specials Lift off
 Left and right

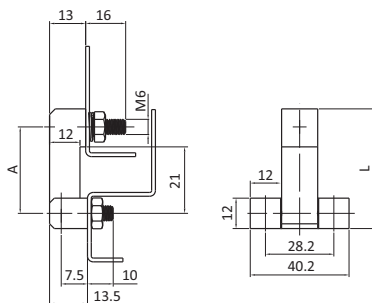


Screw-On Hinge	Left Hand	Right Hand
Black Powder coated	0830018	0830019
Black Powder Coated with #10-32 Mtg Thd	0830020	0830021
Chrome plated	0830022	0830023

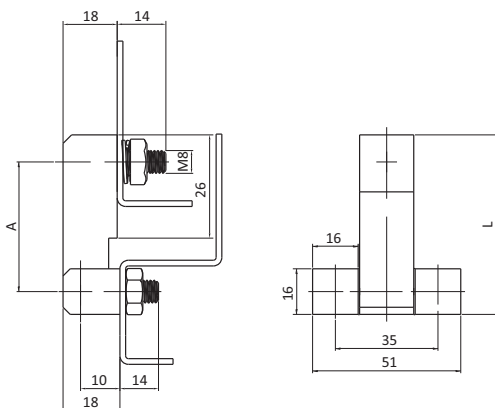
SCREW-ON HINGES

Description To hinge panels
Material 304 SS / Mild steel
Surface Zinc plated
Specials Non lift off
 Left and right

Small Size



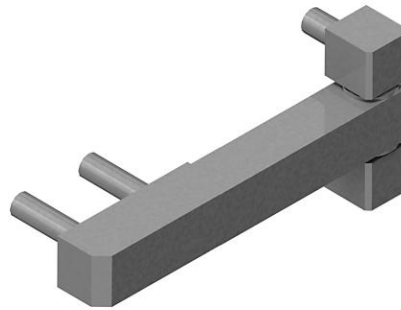
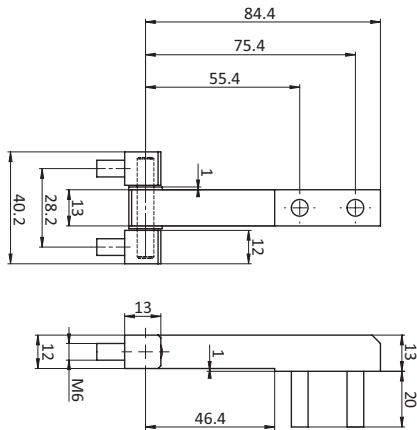
Large Size



	A [mm]	L [mm]	Stainless steel	Steel
Small size	30	45	0813363	0813364
	38	53	0813365	0813366
Large size	29	50	0813367	0813368
	40	61	0813369	0813370

SCREW-ON HINGE

Description To hinge panels
Material 304 SS
Specials Non lift off
 Left and right



Screw-On Hinge

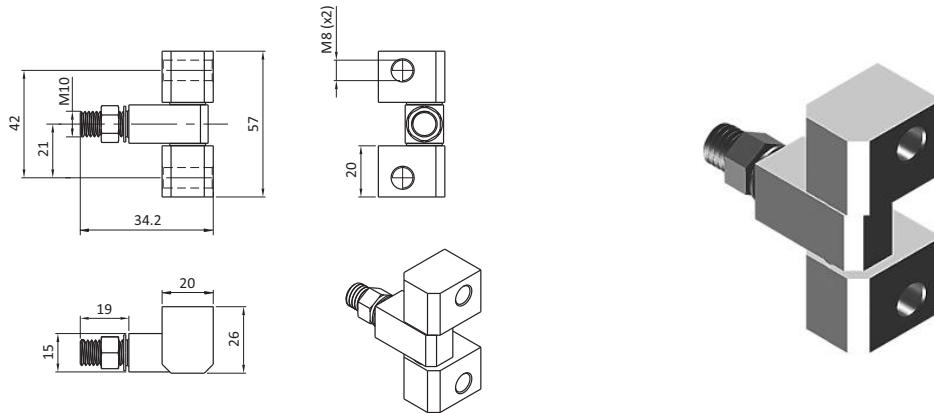
Part #

0830049S01

SFH

SCREW-ON HINGE

Description To hinge panels
Material 304 SS / Mild steel
Surface Zinc plated
Specials Non lift off
 Left and right



Screw-On Hinge

Stainless steel

Steel

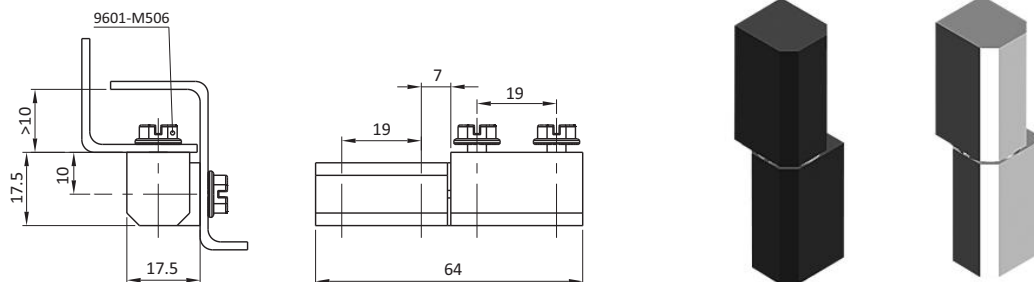
Three joints

0813371

0813372

SCREW-ON HINGE

Description To hinge panels
Material Die-cast zinc / 316 SS
 Pin: Mild steel
Surface Black powder coated / chrome plated
Specials Non lift off
 Left and right



Black Powder Coated

Chrome Plated

SS 316

0813373

0813374

0813375

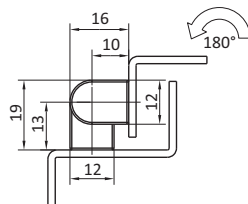
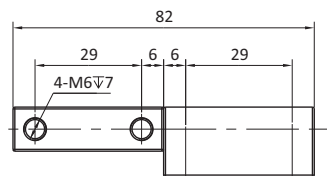


SCREW-ON HINGE

Description To hinge panels

Material 304 SS

Specials Non lift off
 Left and right



Screw-On Hinge

Part #

0813376

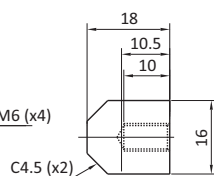
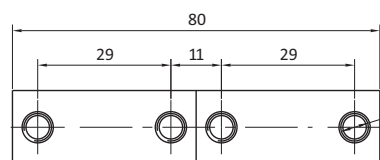
SFH

SCREW-ON HINGE

Description To hinge panels

Material 304 SS

Specials Non lift off
 Left and right



Screw-On Hinge

Part #

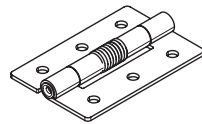
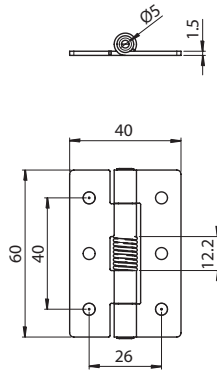
0813377

SCREW-ON HINGE

Description To hinge panels

Material 304 SS

Specials Non lift off
Left and right



Spring loaded



Screw-On Hinge

Part #

095072S02



QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

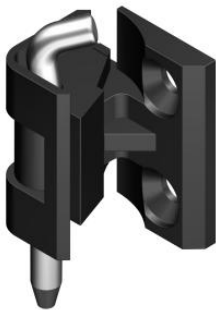
ACC

GSK

HAN

CST

INDUSTRIAL HARDWARE
CHAPTER 7: SEMI-CONCEALED HINGES



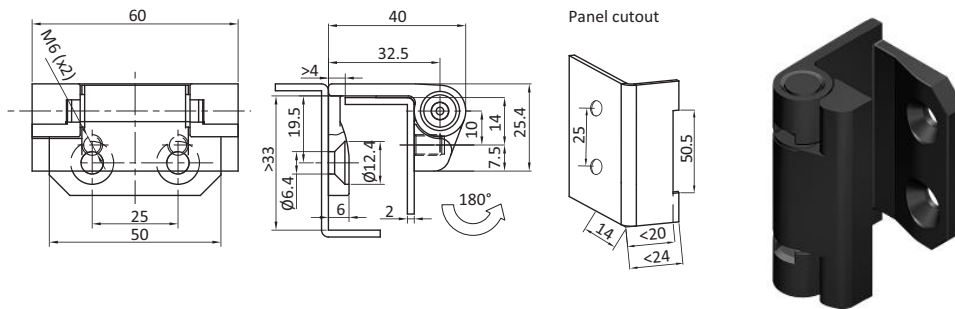
SEMI-CONCEALED METAL HINGES	172-173
SEMI-CONCEALED LIFT OFF HINGES	174
SEMI-CONCEALED METAL HINGES	175-176
SEMI-CONCEALED LIFT OFF HINGES	177

SEMI-CONCEALED METAL HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc
 Hinge pin: PA

Surface Hinge leaves: Black powder coated



Semi-Concealed Metal Hinges

Part #

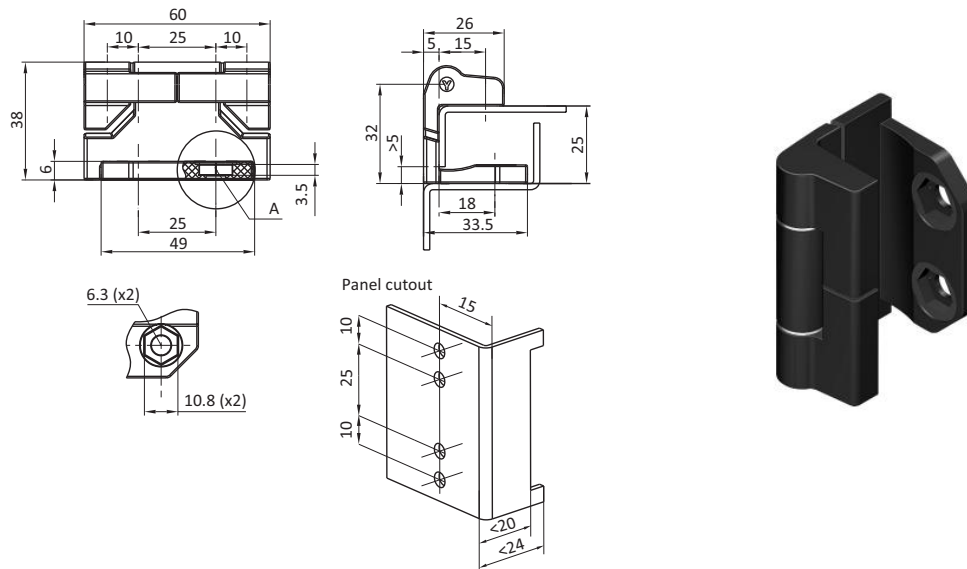
0830075

SEMI-CONCEALED METAL HINGES

Description To hinge panels

Material Hinge leaves: Die-cast zinc
 Hinge pin: Mild steel

Surface Hinge leaves: Black powder coated
 Hinge pin: Zinc plated



Semi-Concealed Metal Hinges

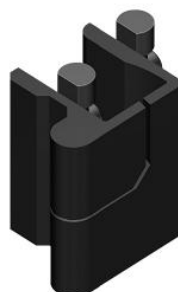
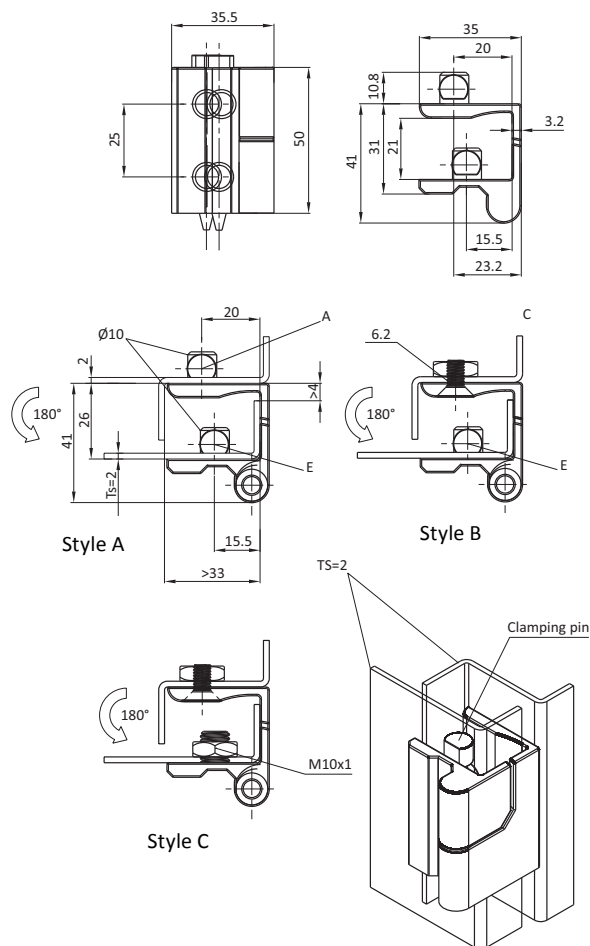
Part #

0830071



SEMI-CONCEALED METAL HINGES

Description To hinge panels
Material Hinge leaves: Die-cast zinc
 Hinge pin: Mild steel
Surface Hinge leaves: Black powder coated
 Hinge pin: Zinc plated



Style A



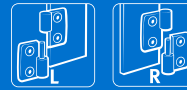
Style B



Style C

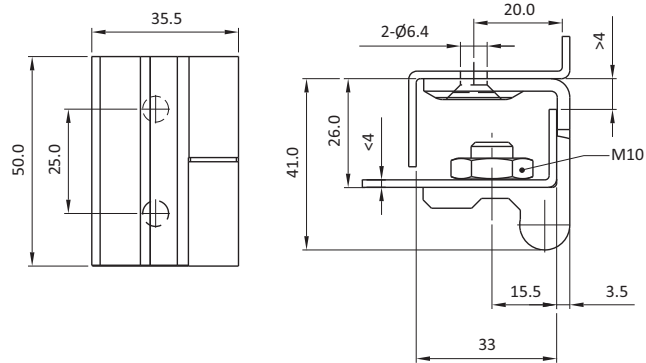
SCH

Style	Left	Right
A	0830169S01	0830069S01
B	0813378	0813379
C	0813380	0813381



SEMI-CONCEALED LIFT OFF HINGES

Description To hinge panels and for easy panel removal
Material 316 SS



Semi-Concealed Lift off Hinges

Left

Right

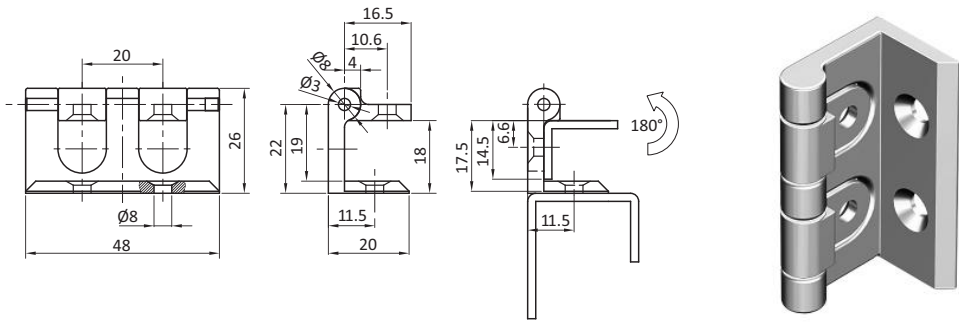
0813386

0813387



SEMI-CONCEALED METAL HINGES

Description To hinge panels
Material Hinge leaves: Die-cast zinc
Hinge pin: Mild steel
Surface Hinge leaves: Zinc plated
Hinge pin: Zinc plated



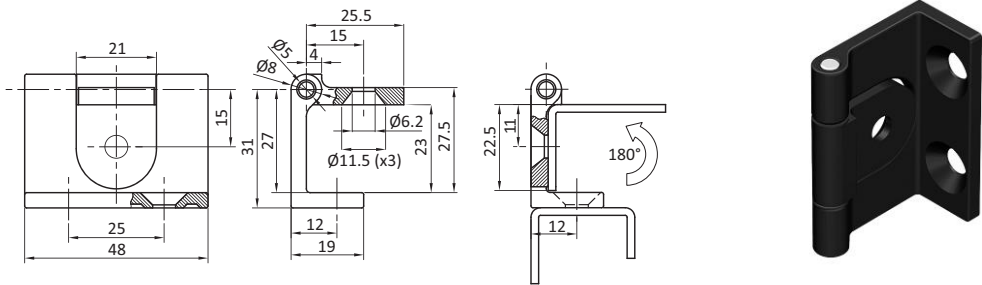
Semi-Concealed Metal Hinges

Part #

0830074

SEMI-CONCEALED METAL HINGES

Description To hinge panels
Material Hinge leaves: Die-cast zinc
Hinge pin: Mild steel
Surface Hinge leaves: Black Zinc plated
Hinge pin: Zinc plated



Semi-Concealed Metal Hinges

Part #

0830076

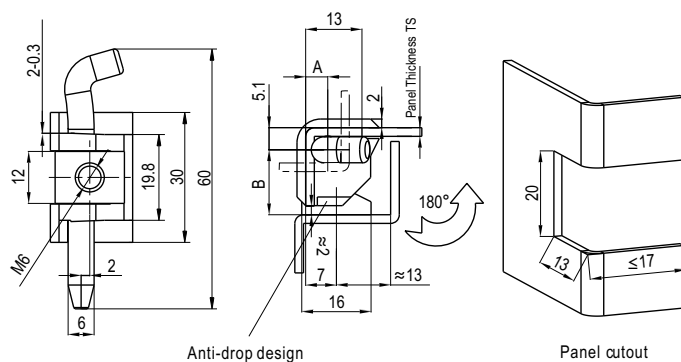


SEMI-CONCEALED METAL HINGES

Description To hinge panels and for easy panel removal

Material Hinge leaves: Die-cast zinc
 Hinge pin: Mild steel

Surface Hinge leaves: Black powder coated / chrome plated
 Hinge pin: Zinc plated



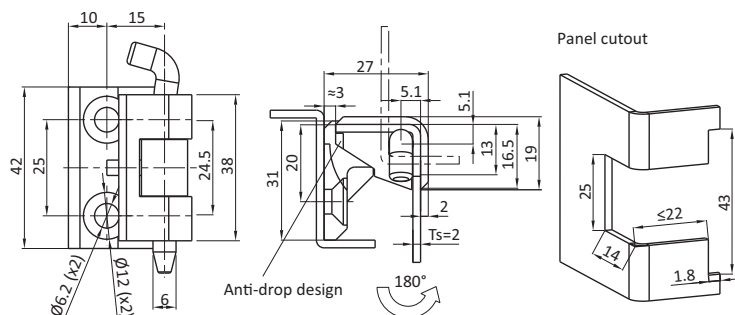
Panel thickness Ts [mm]	A	B	Black Powder Coated	Chrome Plated
1,5	4.6	15	0830059	0830061
2	5.1	15	0830060	0830062

SEMI-CONCEALED METAL HINGES

Description To hinge panels and for easy panel removal

Material Hinge leaves: Die-cast zinc
 Hinge pin: Mild steel

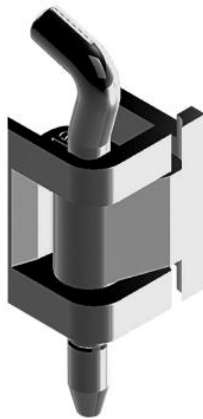
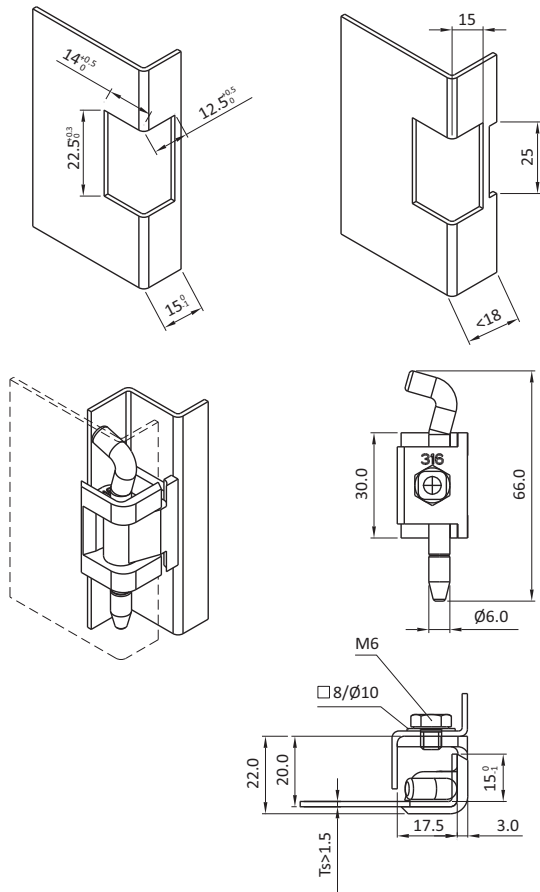
Surface Hinge leaves: Black powder coated / chrome plated
 Hinge pin: Zinc plated



Panel thickness Ts [mm]	Black Powder Coated	Chrome Plated
1,5	0830063	0830065
2	0830064	0830066

SEMI-CONCEALED LIFT OFF HINGES

Description To hinge panels and for easy panel removal
Material 316 SS



Panel thickness
Ts [mm]

316 SS

1,5	0813384
2	0813385

SCH



QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

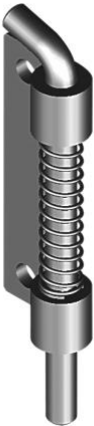
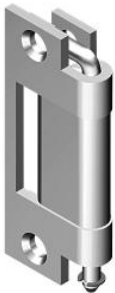
ACC

GSK

HAN

CST

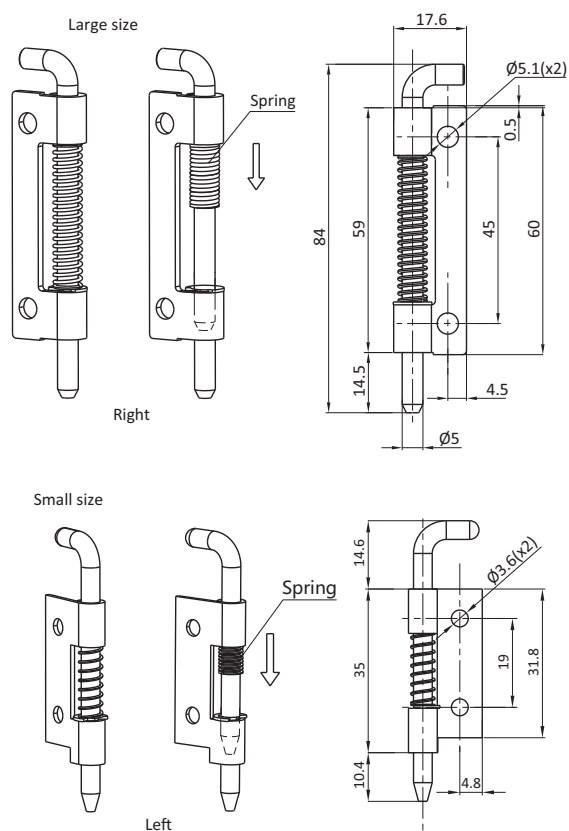
INDUSTRIAL HARDWARE
CHAPTER 8: **CONCEALED HINGES**



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SPRING LOADED CONCEALED HINGES

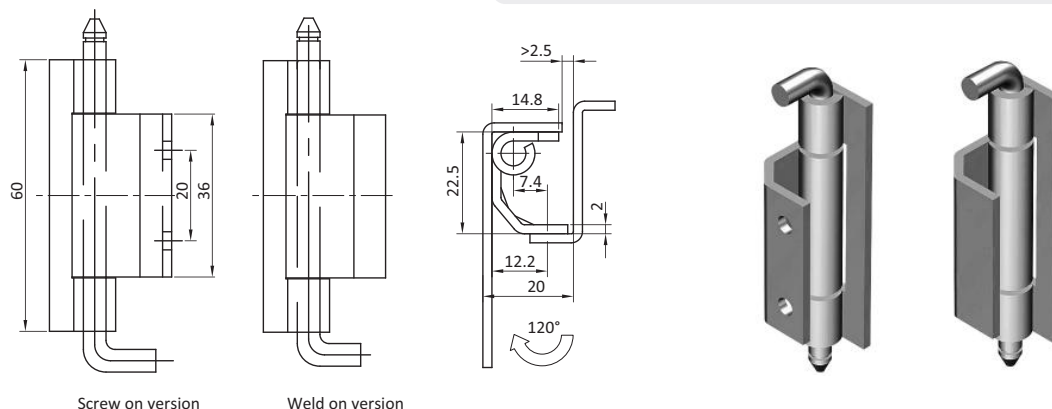
Description To hinge panels
Material Mild steel
Surface Zinc plated
Specials Lift off
Right and left
Stainless Steel on request



Spring Loaded Concealed Hinges	Size	Left	Right
Screw on version	Large Size	0840013	0813392
	Small Size	0840014	0813394
Weld on version	Large Size	0840015	0813393
	Small Size	0840016	0813395

CONCEALED HINGES

Description To hinge panels
Material Mild steel / Stainless steel 304
Surface Zinc plated
Specials Right and left
Lift off



Concealed Hinges

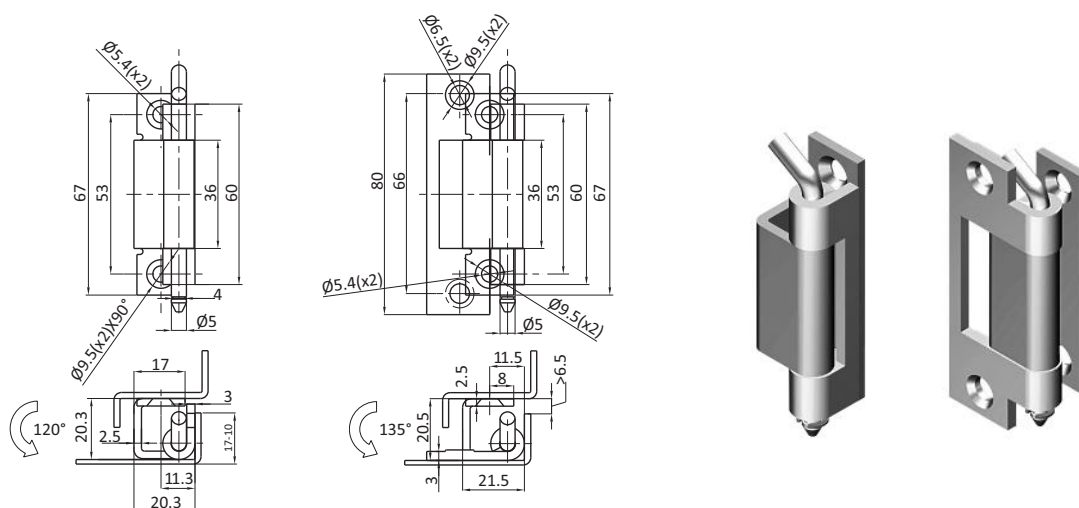
304 SS

Mild steel

Screw on	0840038	0840040
Weld on	0840039	0840041

CONCEALED HINGES

Description To hinge panels
Material Mild steel / Stainless steel 304
Surface Zinc plated
Specials Right and left
Lift off



Concealed Hinges

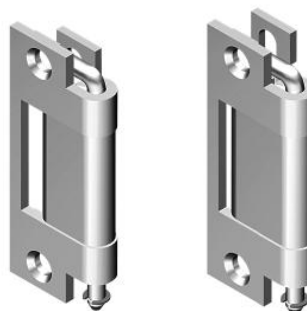
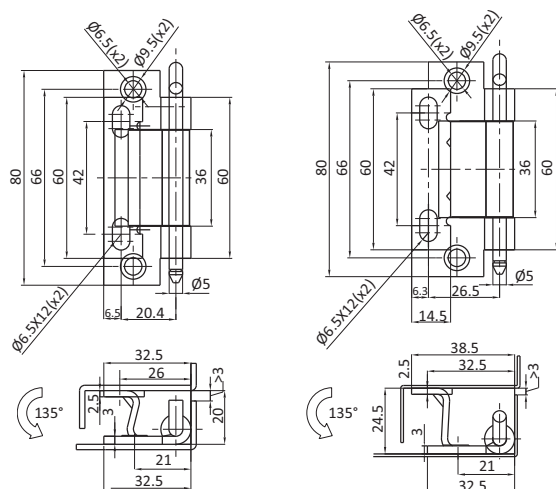
304 SS

Mild steel

20.3	0840023	0840025
21.5	0840024	0840026

CONCEALED HINGES

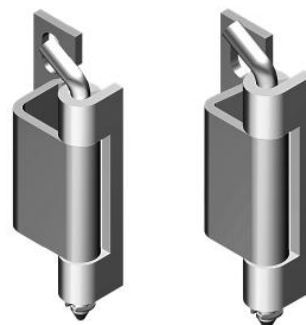
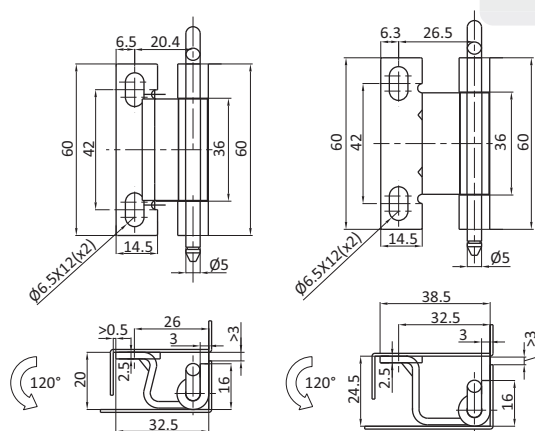
Description To hinge panels
Material Mild steel / Stainless steel 304
Surface Zinc plated
Specials Right and left
Lift off



Concealed Hinges	304 SS	Mild steel
Dim 20.0	0840027	0840029
Dim 24.5	0840028	0840030

CONCEALED HINGES

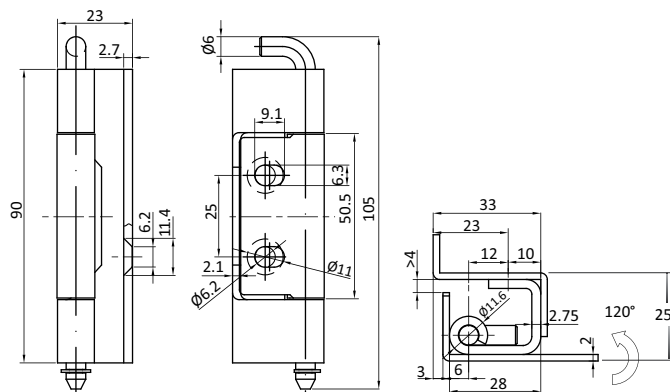
Description To hinge panels
Material Mild steel / Stainless steel 304
Surface Zinc plated
Specials Right and left
Lift off
Weld on version



Concealed Hinges	304 SS	Mild steel
Dim 20.0	0840019	0840021
Dim 24.5	0840020	0840022

CONCEALED HINGES

Description To hinge panels
Material Mild steel / Stainless steel 304
Surface Zinc plated
Specials Right and left
Lift off



Concealed Hinges

304 SS

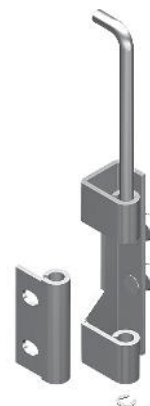
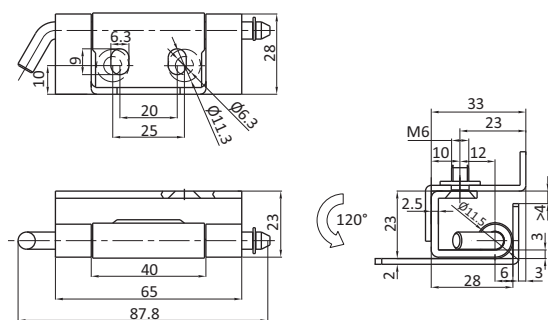
Mild steel

0840031

0840032

CONCEALED HINGES

Description To hinge panels
Material Mild steel / Stainless steel 304
Surface Zinc plated
Specials Right and left
Lift off



Concealed Hinges

304 SS

Mild steel

0813396

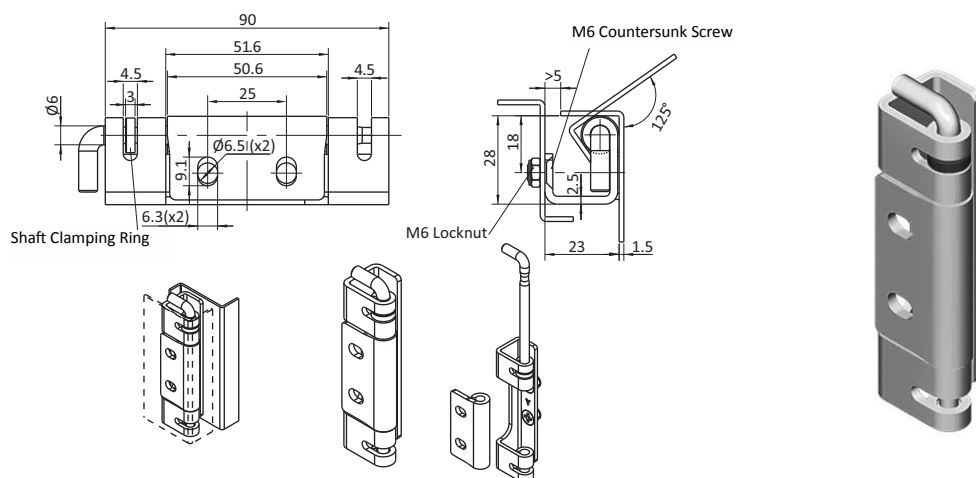
0813397

CONCEALED HINGES

Description To hinge panels

Material Mild steel / Stainless steel 304

Surface Zinc plated



Concealed Hinges

304 SS

Mild steel

0813398

0840063

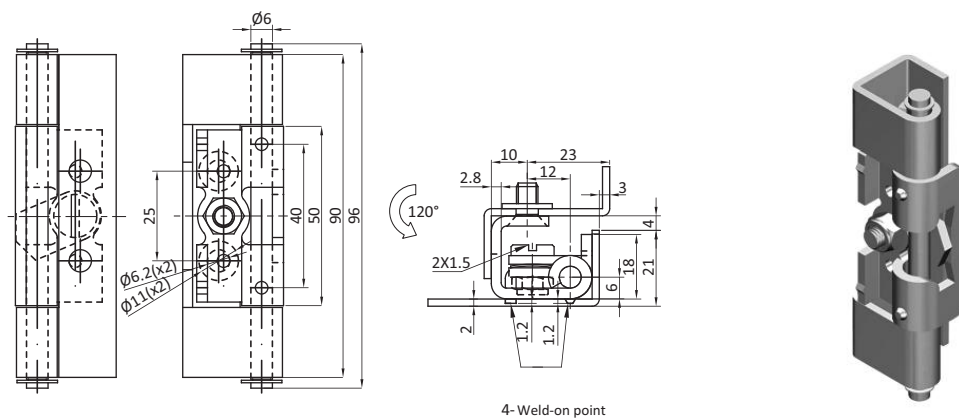
CONCEALED HINGES

Description To hinge panels

Material Mild steel / Stainless steel 304

Surface Zinc plated

Specials Right and left
Lift off



Concealed Hinges

304 SS

Mild steel

0840050

0840051

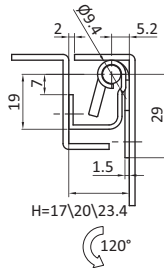
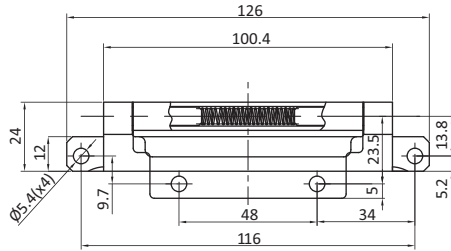
CONCEALED HINGES

Description To hinge panels

Material Mild steel / Stainless steel 304

Surface Zinc plated

Specials Right and left
Lift off



Concealed Hinges

304 SS

Mild steel

17	0840033		0840035
20	0840003		0840036
23.4	0840034		0840037

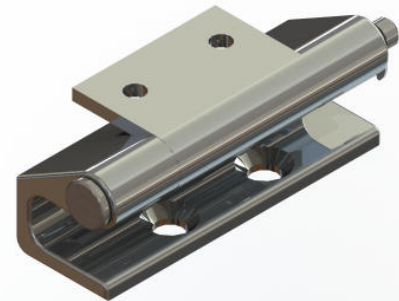
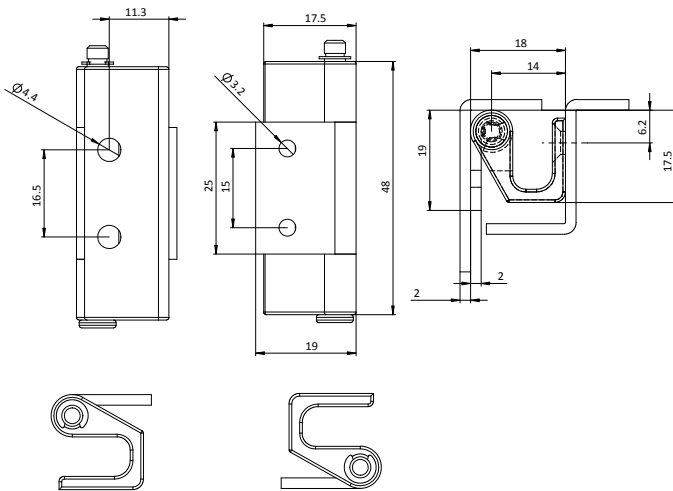
CONCEALED HINGE

Description To hinge panels

Material Hinge leaves: Die-cast zinc
Hinge pin: Mild steel

Surface Hinge leaves: Bright Chrome Plate
Hinge pin: Zinc plated

Specials Right and left



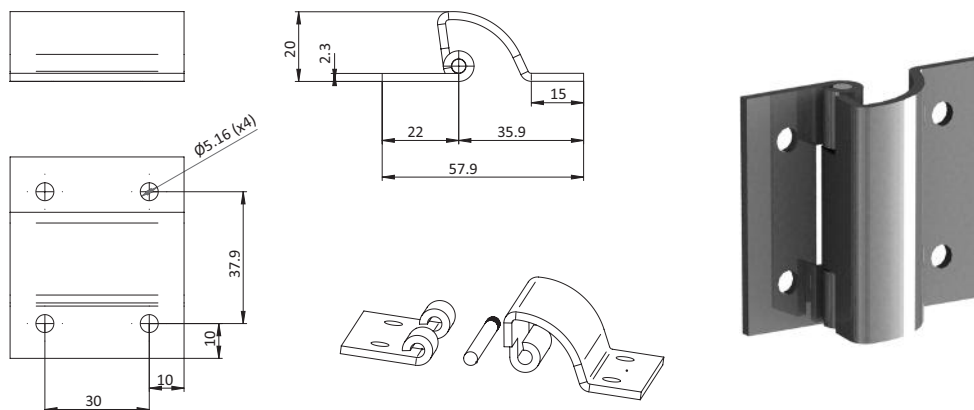
Concealed Hinge

Part

0840011S01

CONCEALED HINGES

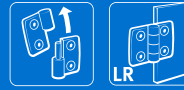
Description To hinge panels
Material Mild steel
Surface Zinc plated
Specials Right and left
Lift off



Concealed Hinge

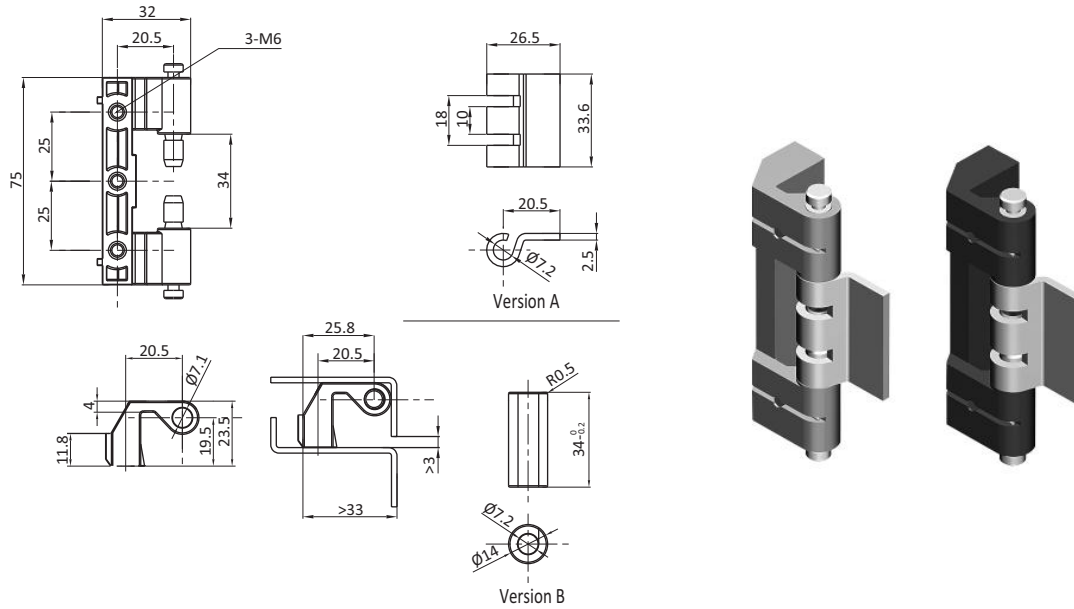
Part #

0840056



CONCEALED HINGES

Description To hinge panels
Material Die cast zinc
Surface Black powder coated / Sand blasted
Specials Right and left
Lift off

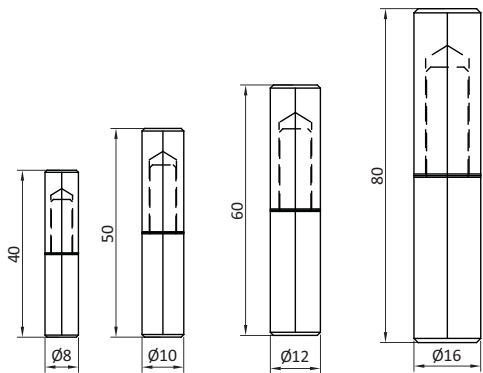


Concealed Hinges	Black powder coat		Sand blasted
Version A	0813400		0813401
Version B	0813402		0813403



WELD ON HINGES

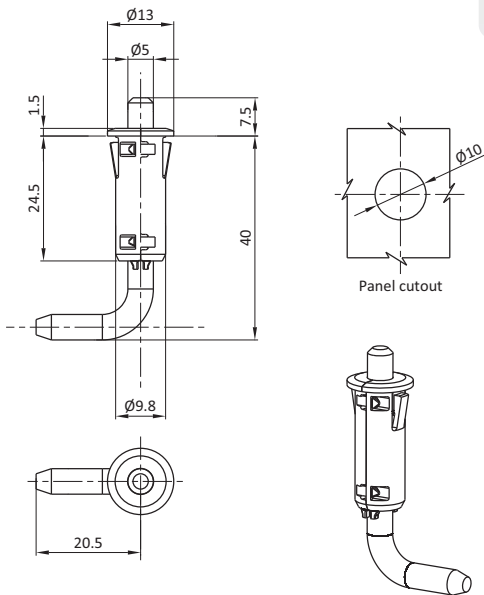
Description To hinge panels
Material Mild steel / 304 SS
Surface Zinc plated
Specials Right and left
Lift off



Weld On Hinges		304 SS	Mild steel
40		0840042	0840043
50		0840044	0840045
60.0		0840046	0840047
80.0		0840048	0840049

CONCEALED HINGE

Description To hinge panels
Material Hinge housing: Nylon PA, glass fiber reinforced
Hinge pin: Mild steel
Surface Hinge pin: Zinc plated



COH

Concealed Hinge	Part #
	0813399



QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

ACC

GSK

HAN

CST

INDUSTRIAL HARDWARE

CHAPTER 9: ACCESSORIES



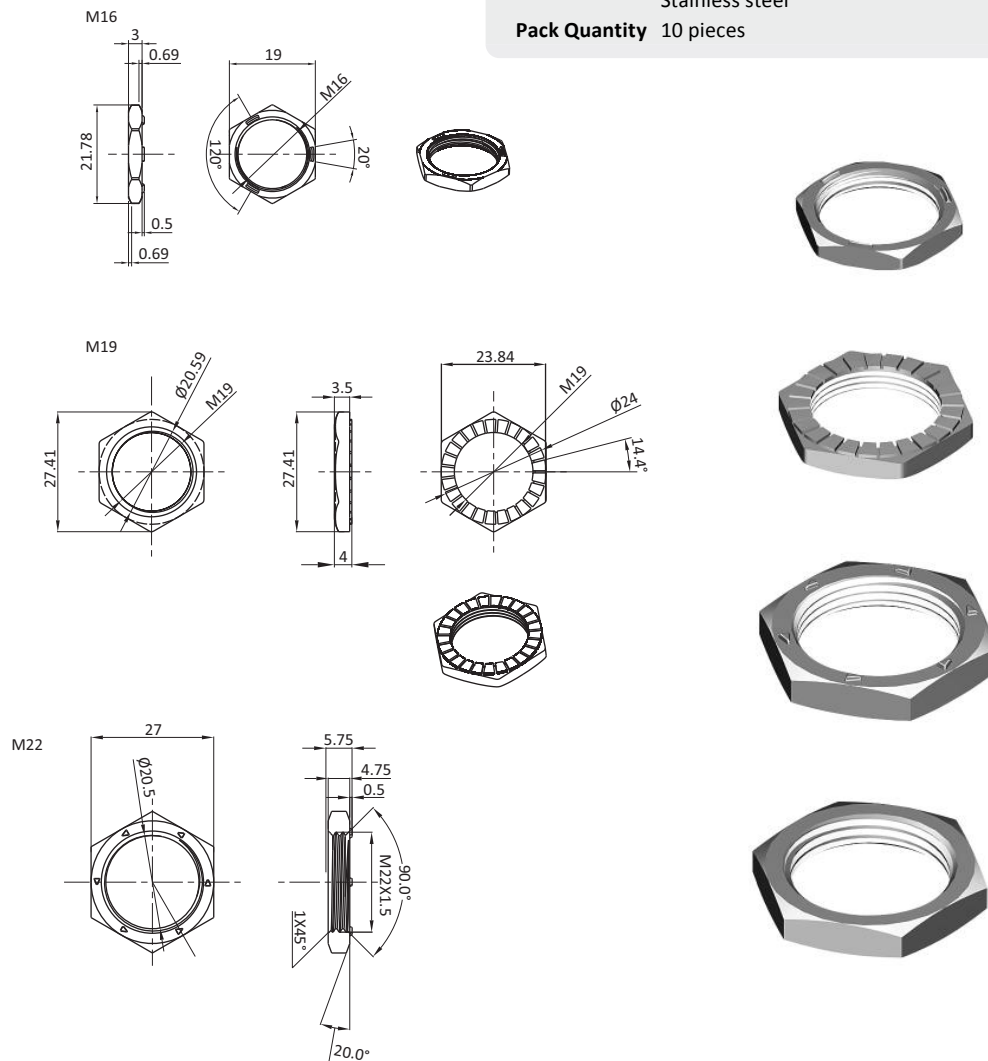
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DOUBLE BALL CATCH MS	210
UNIVERSAL CABLE BINDING BLOCK	211
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BALL CATCH	213
ANTI-LOSS WASHER	214

LOCK NUTS

Description To attach 1/4 turn locks

Material Die cast zinc
 Brass
 Stainless steel

Pack Quantity 10 pieces



Lock Nuts	Version	Die-cast Zinc	Solid Brass	Stainless Steel
M16			0813412	
M19		0813408	0813413	
M22 x 1.5	Grounding teeth	0890058		
	No ground	0813410		0890059
	Serrated ground	0813411		

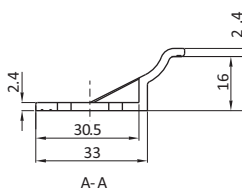
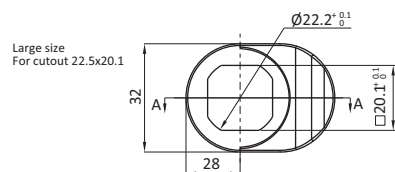


FINGER PULL / COVER

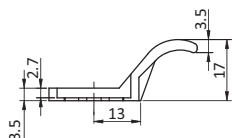
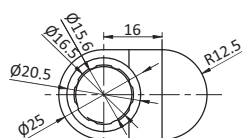
Description Accessory for 1/4 turn locks

Material PA

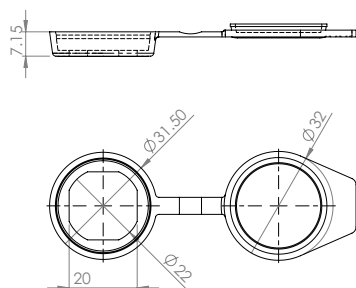
Color Black



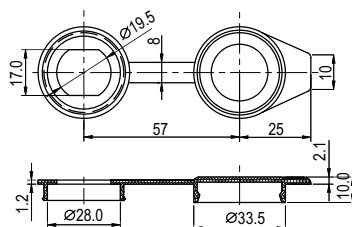
Small size
For cutout 16x14.5



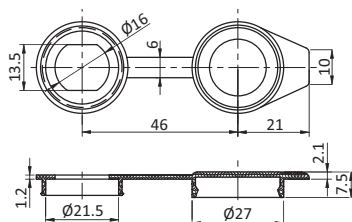
Large size
For cutout 22x20



Medium size
For cutout 16.5x19.0



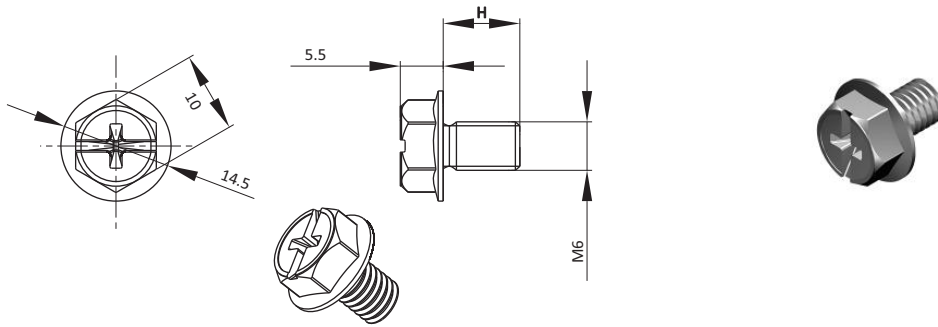
Small size
For cutout 16x13.5



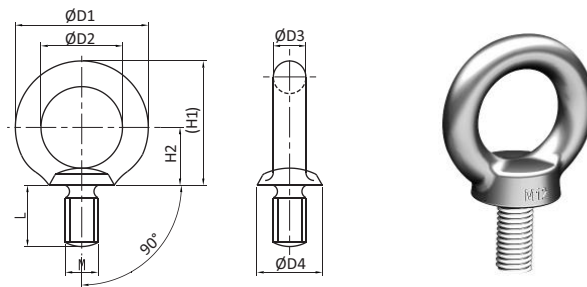
	Large size	Medium size	Small size
Finger Pull	0890034		0890035
Cover	0890036	0890037S01	0890037

SCREW / EYE BOLT

Description Hardware
Material Mild steel
Surface Zinc plated



Screw	Size	Small size
	M5 x 6	0813415
	M5 x 8	0813417
	M5 x 10	0813419
	M5 x 12	0813421
	M5 x 16	0813423
	M5 x 18	0813425
	M6 x 6	0813416
	M6 x 8	0813418
	M6 x 10	0813420
	M6 x 12	0813422
	M6 x 16	0813424
	M6 x 18	0813426



L	H1	H2	D1	D2	D3	D4	M Metric	M Imperial	Part #
15	33.3	17	32.6	20	6.3	16	8		0890040
18	41.5	21	41	25	8	20	10		0890041
22	51	26	50	30	10	25	12		0890042
27	60	30	60	35	12.5	30	16		0890043
30	71	35	72	40	16	35	20		0890044
34	84	43	81	44	18	40	22		0890045
38	90	45	90	50	20	45	24		0890046
45	110	55	110	60	25	60	30		0890047
55	131.5	65	133	70	31.5	70	36		0890048
33	44	24	40	24	8	16.5		3/8-16	092EBF3-8ID24S01
39	55	30	50.6	30	10.3	22		1/2-13	092EBF1-2ID30

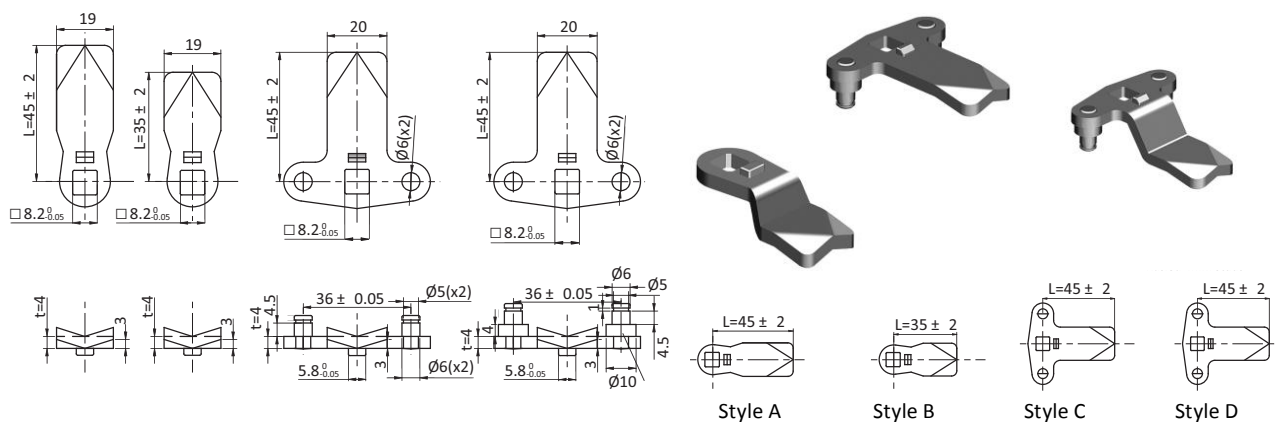
STANDARD QUARTER TURN CAMS

Description Standard cams for standard quarter turns. Contains 3mm ramps. Cam contains a stop for quarter turns that do not have internal restraints.

Material Mild steel

Surface Zinc plated

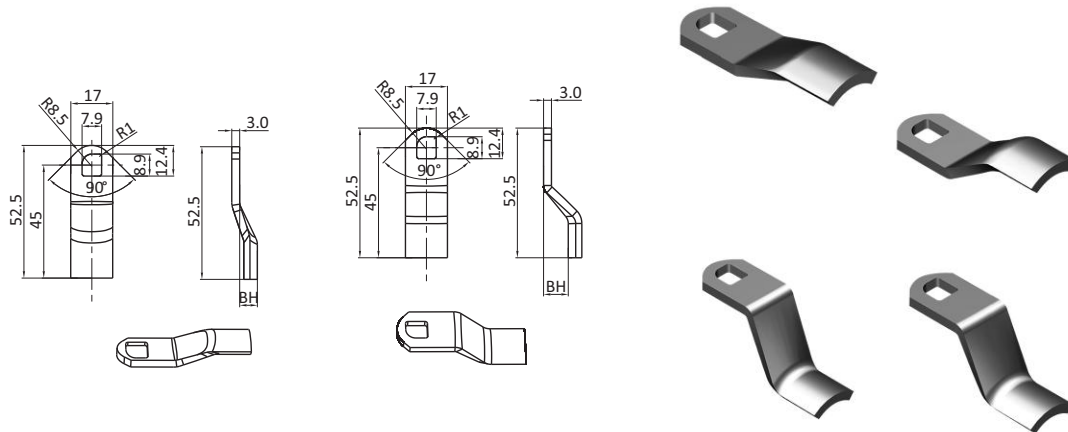
Specials Other materials and custom cams on request



BH	GH = 18						Style A	Style B	Style C	Style D
	Standard	GH = 30	GH = 36	GH = 40	GH = 50	GH = 60				
H = GH + BH	-16	2	14	20	24	34	44	0810247		
	-14	4	16	22	26	36	46	0810248	0810295	0810321
	-12	6	18	24	28	38	48	0810249	0810276	0810296
	-10	8	20	26	30	40	50	0810250	0810277	0810297
	-8	10	22	28	32	42	52	0810251	0810278	0810298
	-5	13	25	31	35	45	55	0810252	0810279	0810299
	-4	14	26	32	36	46	56	0810253	0810280	0810300
	-2	16	28	34	38	48	58	0810254	0810281	0810301
	0	18	30	36	40	50	60	0810255	0810282	0810302
	2	20	32	38	42	52	62	0810256	0810283	0810303
	4	22	34	40	44	54	64	0810257	0810284	0810304
	6	24	36	42	46	56	66	0810258	0810285	0810305
	7	25	37	43	47	57	67	0810259	0810286	0810306
	8	26	38	44	48	58	68	0810260	0810287	0810307
	10	28	40	46	50	60	70	0810261	0810288	0810308
	12	30	42	48	52	62	72	0810262	0810289	0810309
	14	32	44	50	54	64	74	0810263		0810310
	16	34	46	52	56	66	76	0810264		0810311
	17	35	47	53	57	67	77	0810265	0810290	0810312
	18	36	48	54	58	68	78	0810266		0810313
	20	38	50	56	60	70	80	0810267	0810291	0810314
	22	40	52	58	62	72	82	0810268	0810292	0810315
	24	42	54	60	64	74	84	0810269	0810293	0810316
	26	44	56	62	66	76	86	0810270	0810294	0810317
	27	45	57	63	67	77	87	0810271		0810318
	29	47	59	65	69	79	89	0810272		0810319
	32	50	62	68	72	82	92	0810273		0810320
	35	53	65	71	75	85	95	0810274		
	37	55	67	73	77	87	97	0810275		

CUSTOM QUARTER TURN CAMS – STYLE A

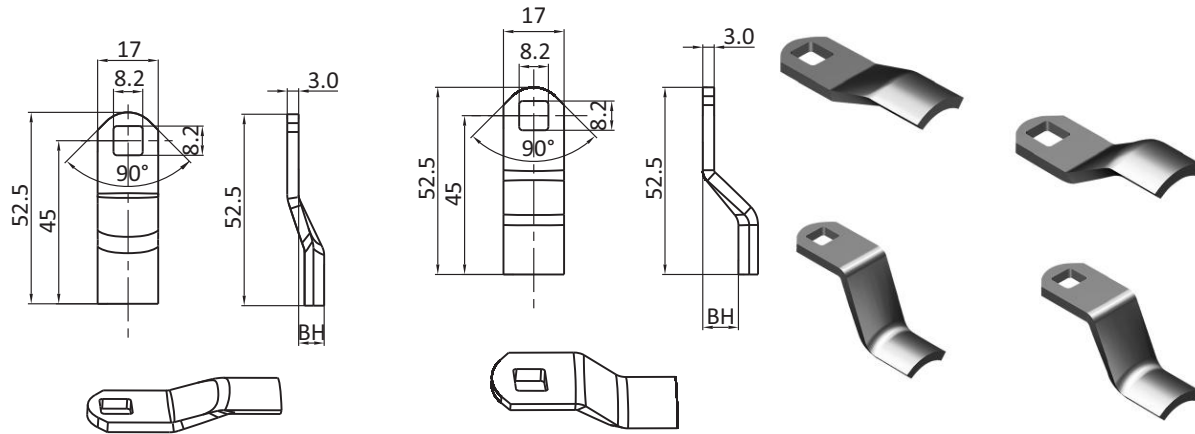
Description Locks and unlocks both quarter turns and swing handles
Material Mild steel
Surface Zinc plated
Pack Quantity 10 pieces



Custom Quarter Turn Cams	Total grip	Cam offset	Max. outer door Ts for assembled latch	Part #
Style A	15	18	Must use unassembled latch	0810668S01
	17	16	Must use unassembled latch	0810668
	19	14	1	0810669
	21	12	2	0810670
	23	10	4	0810671
	25	8	5	0810672
	27	6	6	0810673
	29	4	7	0810674
	31	2	7	0810675
	33	0	7	0810676
	35	2	7	0810677
	37	4	7	0810678
	39	6	7	0810679
	41	8	7	0810680
	43	10	7	0810681
	45	12	7	0810682
	47	14	7	0810683
	49	16	7	0810684
	51	18	7	0810685
	53	20	7	0810686

CUSTOM QUARTER TURN CAMS – STYLE B

Description Locks and unlocks both quarter turns and swing handles
Material Mild steel
Surface Zinc plated
Pack Quantity 10 pieces



Custom Quarter Turn Cams	Total grip	Cam offset	Max. outer door Ts for assembled latch	Part #
Style B	15	18	Must use unassembled latch	0810688
	17	16	Must use unassembled latch	0810689
	19	14	1	0810690
	21	12	2	0810691
	23	10	4	0810692
	25	8	5	0810693
	27	6	6	0810694
	29	4	7	0810695
	31	2	7	0810696
	33	0	7	0810697
	35	2	7	0810698
	37	4	7	0810699
	39	6	7	0810700
	41	8	7	0810701
	43	10	7	0810702
	45	12	7	0810703
	47	14	7	0810704
	49	16	7	0810705
	51	18	7	0810706
	53	20	7	0810707

ACC

UNIQUE MULTIPOINT QUARTER TURN CAMS

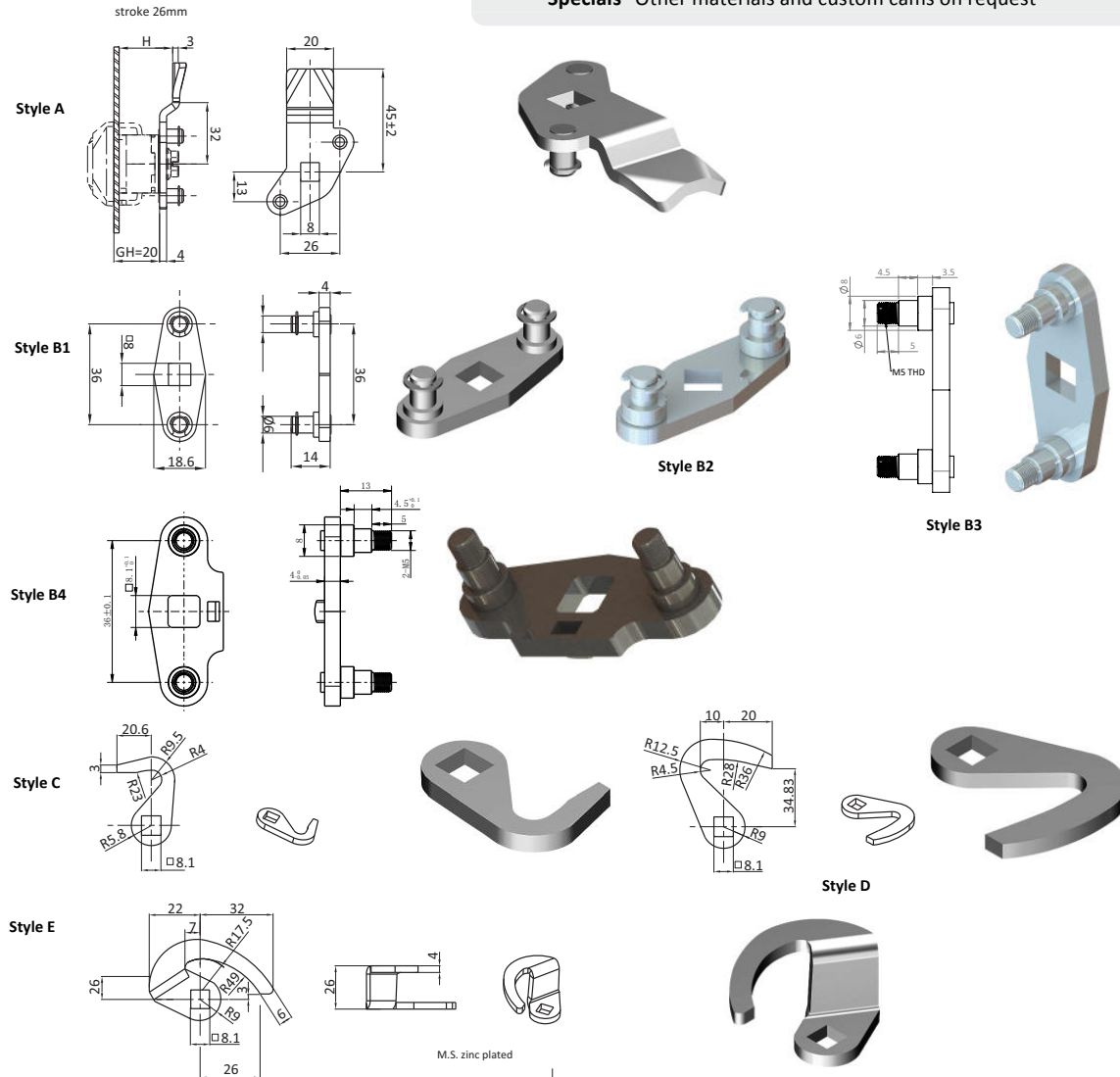
Description Multi point cams for standard quarter turns. Cam contains a stop for quarter turns that do not have internal restraints.

Material Mild steel

Surface Zinc plated

Pack Quantity 10 pieces

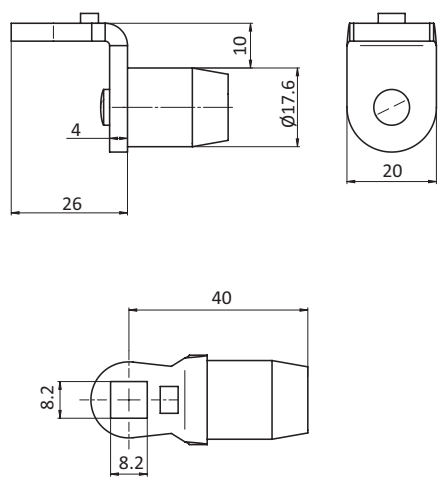
Specials Other materials and custom cams on request



Style	H Dimension	Angle	Part #	Left	Right
A	25			0810459	0810460
	27			0810461	0810462
	29			0810463	0810464
	31			0810465	0810466
B1		90 °	0810708		
B2		45 °	0810709		
B3		90 °	0810710		
B4	90 ° W/ Mech Stop		0810710S01		
C			0810711		
D			0810712		
E			0810713		

SINGLE POINT ROLLER CAM

- Description** For standard quarter turns, allows larger ramp range and smoother locking
- Material** Cam: mild steel, 304 Stainless steel
Roller: Nylon PA, glass fiber reinforced
- Surface** Cam: zinc plated, passivated
- Color** Roller: black
- Pack Quantity** 10 pieces
- Specials** Custom cam on request



Single Point Roller Cam	Material	Part #
	Steel	0810261RC
	304 Stainless Steel	0810261RCE

HOOK CAM QUARTER TURN

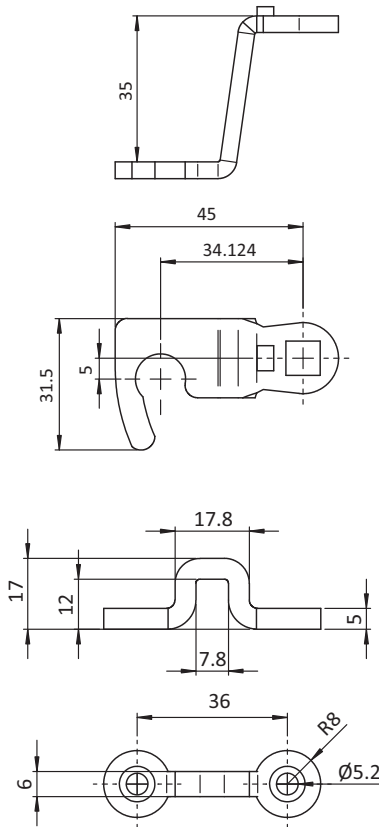
Description Hook Cams for standard quarter turns. Cam contains a stop for quarter turns that do not have internal restraints

Material Mild steel
 Loop: Die-cast zinc

Surface Zinc plated

Pack Quantity 10 pieces

Specials Other materials on request



Hooked cam



Bolt-on loop

Hook Cam Quarter Turn

Part

Hooked cam

0810377

Bolt-on loop

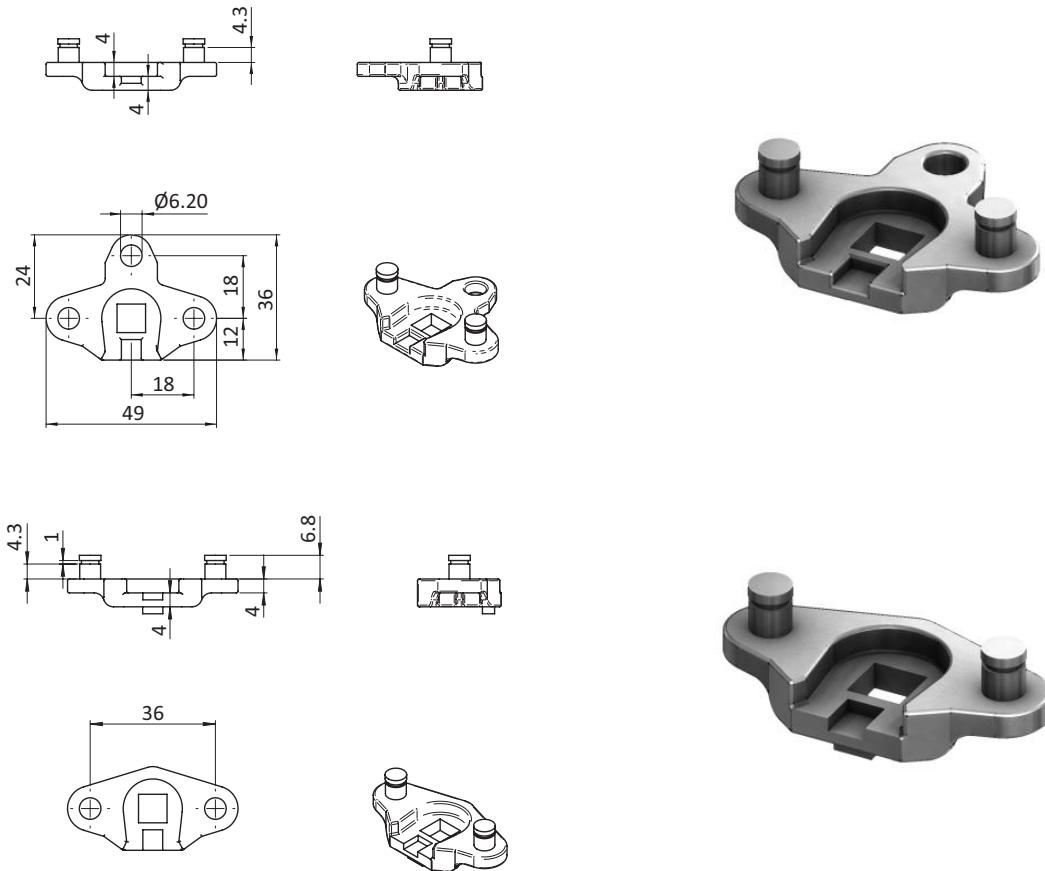
0820132

FOUR / THREE POINT CAM ADAPTERS

Description For quicker assembly of quarter turns replaces the need for quarter turn mounting nuts

Material Die cast zinc

Surface Zinc plated



Four / Three Point Cam

Part #

Four point cam adapter

0810526

Three point cam adapter

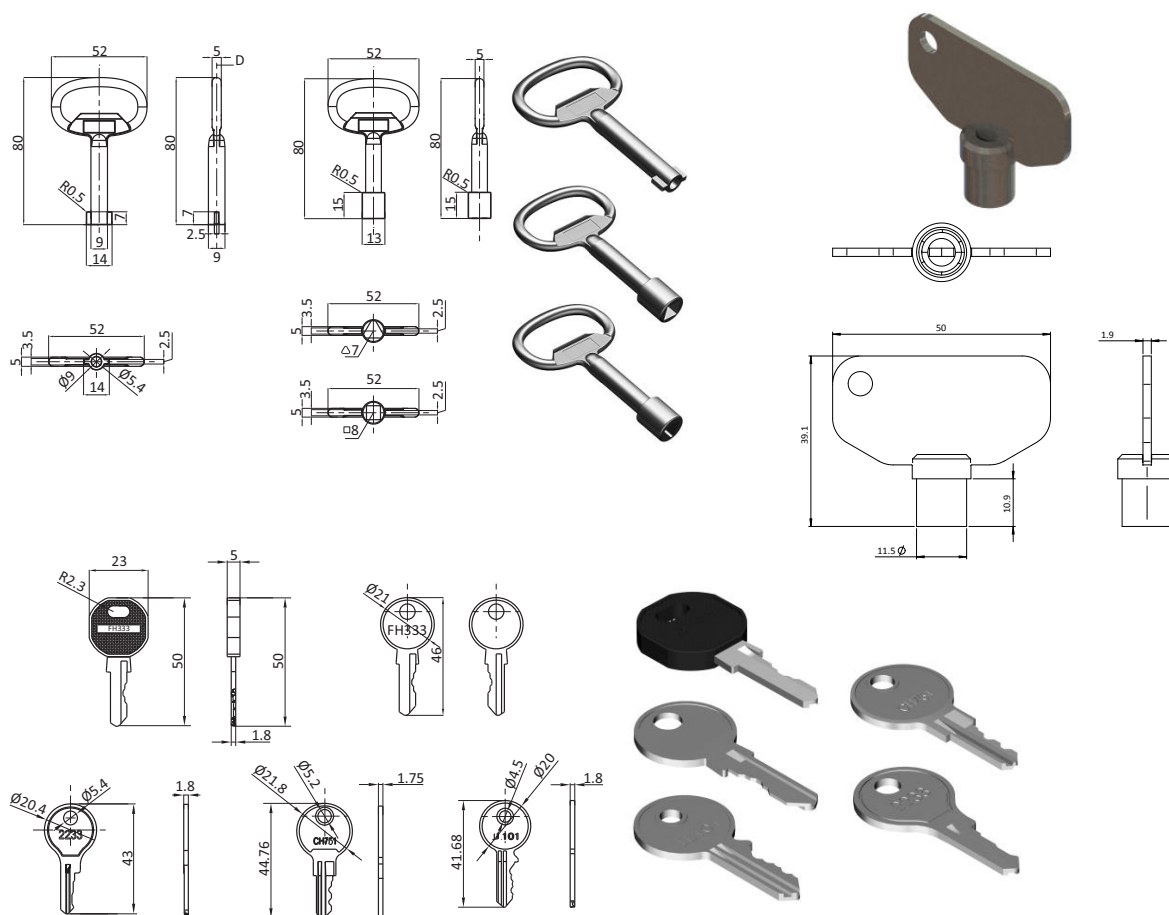
0810527

KEYS

Description Standard cams for standard quarter turns. Contains 3mm ramps. Cam contains a stop for quarter turns that do not have internal restraints

Material Die cast zinc
Brass

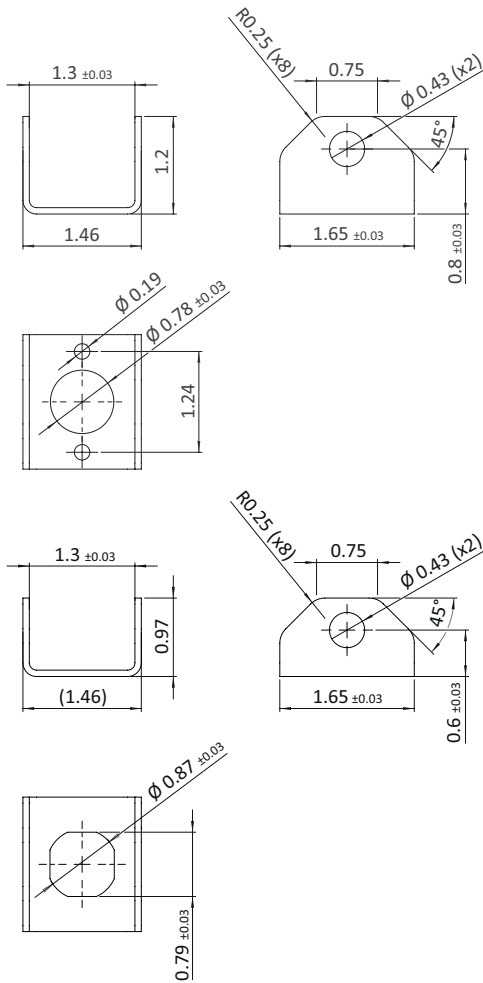
Surface Zinc plated
Chrome plated



Key Type	L [mm]	Material	Part #	Black Powder coated	Chrome Plated
Double bit 5mm	80	Die-cast zinc		0813427	0890049
	70	Die-cast zinc		0813428	0890052
	55	Die-cast zinc		0813429	0890055
Triangular 8mm	80	Die-cast zinc		0813430	0890050
	70	Die-cast zinc		0813431	0890053
	55	Die-cast zinc		0813432	0890056
Square 8mm	80	Die-cast zinc		0813433	0890051
	70	Die-cast zinc		0813434	0890054
	55	Die-cast zinc		0813435	0890057
FH333		Full brass	0810123R01		
		PA knob, brass key	0813437		
FH751		Full brass	0810058R01		
FH223		Full brass	0813439		
FH101		Full brass	0813440		
Barrel		Steel	0810239R01		

PADLOCK DEVICE

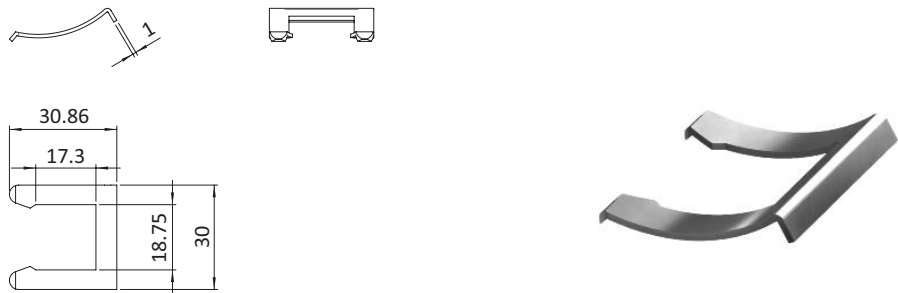
Description Padlock device for quarter turn locks
Material 304 SS



Padlock Device		Part #
Small		0813442
Large		0813443

QUARTER TURN MOUNTING SPRING CLIP

Description For quicker assembly of quarter turns replaces the need for quarter turn mounting nuts
Material Spring steel



Four / Three Point Cam	Part #
For standard quarter turns for type A	340ME452
For small quarter turns for type A	340ME452S01

MAGNETIC CATCH 20

Description A quick locking device for doors, adaptable to the thickness of the panel units


Material Magnetic catch:
Nylon PA, glass fiber reinforced
Assembly set: Steel
Angle bracket: Aluminum

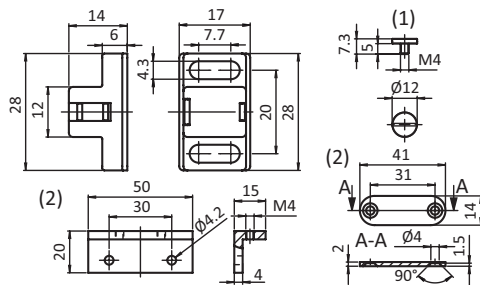
Color Magnetic catch: Black

Fastening Using screws M4

Set 1 magnetic catch 20,
1 counter plate 14 x 41 x 2 mm,
2 screws DIN 7380 - M4 x 10,
1 angle bracket

Pack Quantity 10 pieces

Specials  electrostatically conductive, other sizes, other colors on request



Magnetic Catch	Locking Force	Weight [g]	Part #
(1) With pan head screw DIN 921 - M4 x 5, zinc plated steel	Approx. 5 N front / 3 N back	9.0	093094
(2) Set	Approx. 5 N front / 3 N back	9.0	093046

MAGNETIC CATCH 30

Description A quick locking device for doors, adaptable to the thickness of the panel units

Material Magnetic catch: Nylon PA, glass fiber reinforced
Assembly set: Steel


Surface Assembly set: Zinc plated

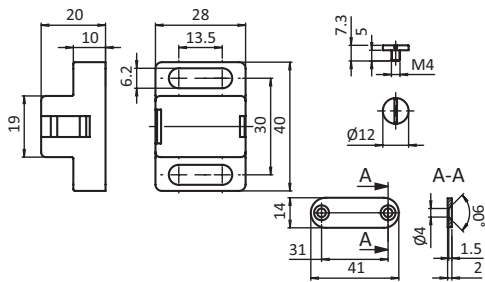
Color Magnetic catch: Black

Fastening Using M6 screws

Set 1 magnetic catch 30,
1 flat head screw DIN 921 - M5 x 6,
1 counter plate 14 x 41 x 2 mm

Pack Quantity 10 pieces

Specials  electrostatically conductive, other sizes, other colors on request



Set Magnetic Catch 30	Locking Force	Weight [g]	Part #
	Approx. 20 N front / 10 N back	45.9	093044

MAGNETIC CATCH 40

Description A quick locking device for doors, adaptable to the thickness of the panel units


Material Nylon PA, glass fiber reinforced

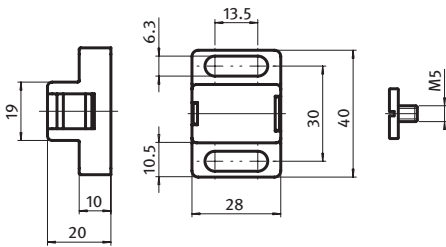
Color Black

Counter plate Pan head screw DIN 921 - M5 x 6, zink-plated steel (other screws on request)

Fastening Using screws

Pack Quantity 10 pieces

Specials  electrostatically conductive, other sizes, other colors on request



Magnetic Catch	Locking Force	Weight [g]	Part #
	Approx. 20 N front / 10 N back	39.0	093040



CLIP CABLE BINDER


Description To fix cables without the need for cable ties, can be opened and closed again

Material Clip: Nylon PA
Rubber: FPM 70

Color Black

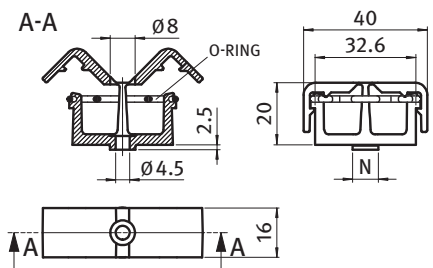
Fastening From the front, using M4 lens or socket head screws

Pack Quantity 10 pieces

Specials  electrostatically conductive, other sizes,
other colors on request

Pack Quantity 10 pieces

Specials  electrostatically conductive, other sizes, other colors on request



Clip Cable Binder

Weight [g]

Part #

7.0

093401



DOUBLE BALL CATCH MS

Description Quick catch for doors, adjustable clamping force, 2 possible positions (sideways / from the front)

Material Spring: Stainless steel

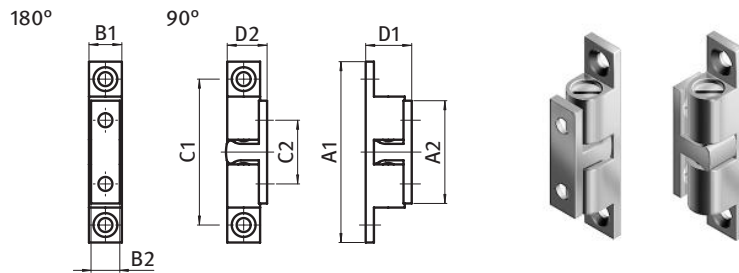
Ball: Stainless steel

Body: Brass

Surface Chrome plated (RoHS compliant)

Fastening From the front, using countersunk screws

Pack Quantity 10 pieces



Screw	A1 [mm]	A2 [mm]	B1 [mm]	B2 [mm]	C1 [mm]	C2 [mm]	D1 [mm]	D2 [mm]	Weight [g]	Part #
M3	44.0	24.7	8.0	6.6	35.0	15.2	11.8	9.7	15.60	0930461
	49.0	28.8	8.8	7.6	39.8	19.8	13.2	10.8	23.60	0930462
M4	60.0	35.0	11.0	9.0	50.0	23.5	15.5	13.5	40.00	0930463
	68.4	40.2	13.0	12.0	58.0	30.0	18.1	15.2	65.00	0930464

UNIVERSAL CABLE BINDING BLOCK

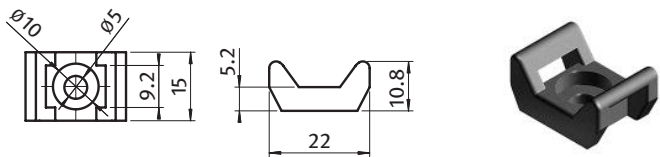
Description To secure cables to aluminum profiles;
to be mounted with a hammer nut

Material Nylon PA, glass fiber reinforced

Color Black

Pack Quantity 100 pieces

Specials Other colors on request



Universal Cable Binding Block	Weight [g]	Part #
	1.6	093059



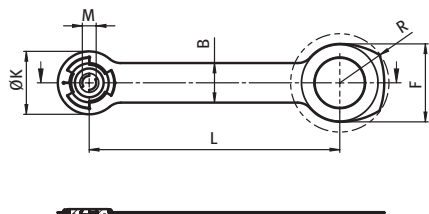
SAFETY STRAP

Description To easily and fastly secure screws, according to Machinery Directive 2006/42/EC

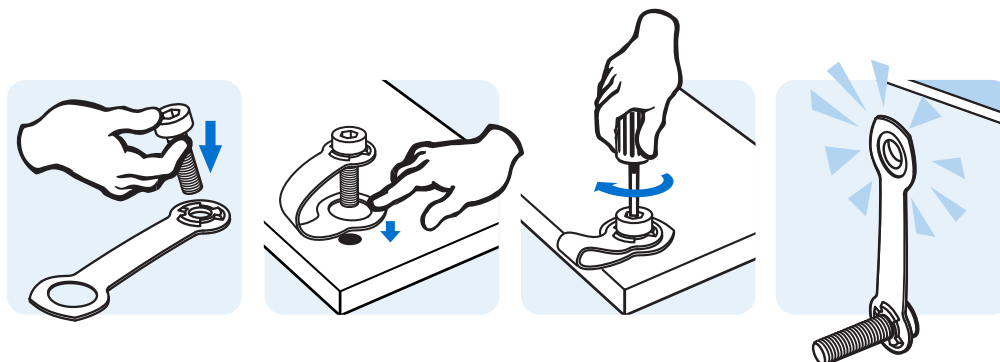
Material Strap: Plastic PVC
Shim: Nylon PA, glass fiber reinforced

Color Clear / black

Pack Quantity 20 pieces



Safety Strap	M [mm]	L [mm]	R [mm]	B [mm]	ØK [mm]	F [mm]	Weight [g]	Part #
	6	90.0	34.9	14.2	22.6	28.0	1.0	093VS06
	8	100.0	39.5	18.2	28.2	32.0	1.5	093VS08
	10	110.0	46.7	23.2	33.2	39.0	2.0	093VS10
	12	120.0	46.8	23.2	33.2	29.0	3.0	093VS12
ohne Aufdruck Without print	6	90.0	34.9	14.2	22.6	28.0	1.0	093VS06S01
	8	100.0	39.5	18.2	28.2	32.0	1.5	093VS08S01
	10	110.0	46.7	23.2	33.2	39.0	2.0	093VS10S01
	12	120.0	46.8	23.2	33.2	29.0	3.0	093VS12S01



BALL CATCH

Description A quick locking device for doors, adaptable to the thickness of the panel units

Material Nylon PA, glass fiber reinforced

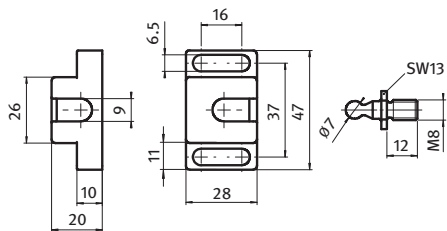
Color Black

Counter screw M8 x 12, zinc plated steel / stainless steel SS 304

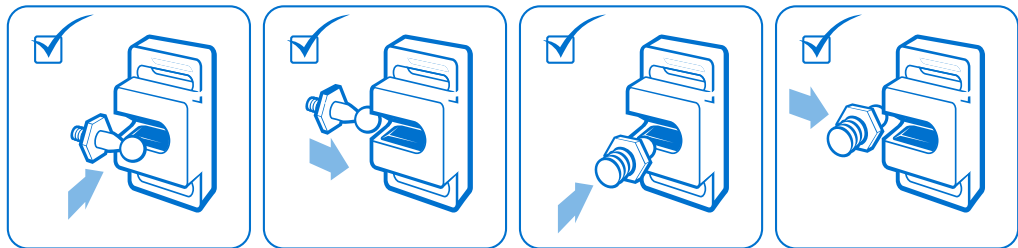
Fastening Using screws

Pack Quantity 10 pieces

Specials  electrostatically conductive, other sizes, other colors on request



Ball Catch	Locking Force	Counter Screw	Weight [g]	Part #
light	~ 40 N	Zinc-plated steel	45.0	093045
	~ 40 N	Stainless steel	45.0	093045S03
strong	~ 50 N	Zinc-plated steel	45.0	093043
	~ 50 N	Stainless steel	45.0	093043S02



ANTI-LOSS WASHER

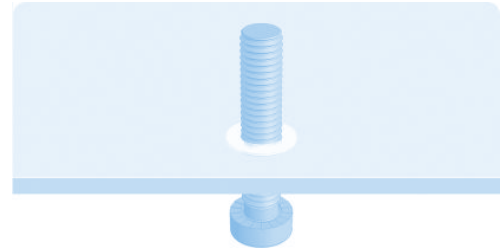
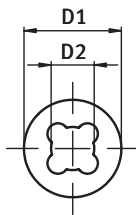
Description To secure screws to panels

Material Nylon PA

Color Natural / black

Pack Quantity 1000 pieces

Specials Other sizes on request



Anti-loss washer	Color	for Screw	D1 [mm]	D2 [mm]	Weight [g]	Part #
	natural	M5	10.0	4.1	1.0	093169
	black	M5	10.0	4.1	1.0	093169SW
	natural	M6	12.0	5.1	1.0	093166
	black	M6	12.0	5.1	1.0	093166SW
	natural	M8	14.0	6.2	1.0	093156



QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

ACC

GSK

HAN

CST

INDUSTRIAL HARDWARE
CHAPTER 10: **GASKETS**



EDGE PROTECTORS	216-218
EDGE SEALING PROFILES	219-226
DOOR SEALING PROFILES	227

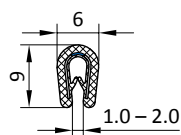


EDGE PROTECTORS

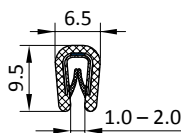
Description For encasing the edges of panels; with split clamp; self-clamping

Material Edge protector: PVC 78 Shore A ☒, PVC 57 Shore A transparent ☒
Clamp: Steel

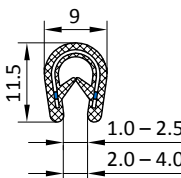
Specials Edge protector: Other colors, Butyl sealant on request
Clamp: Stainless steel, non-split, single-sided split on request
Other cross-sections on request



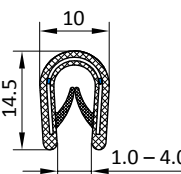
Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Center bar	black	1.0 – 2.0	100	087EPE01911
Center bar	white	1.0 – 2.0	100	087EPE01931
Center bar	grey	1.0 – 2.0	100	087EPE01711



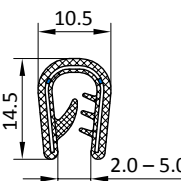
Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Center bar	black	1.0 – 2.0	100	087EPE02911
Center bar	white	1.0 – 2.0	100	087EPE02931
Center bar	silver	1.0 – 2.0	100	087EPE02941



Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Double bar	black	1.0 – 2.5	100	087EPE03911
Double bar	black	2.0 – 4.0	100	087EPE03912



Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Double bar	black	1.0 – 4.0	100	087EPE04911
Double bar	anthracite	1.0 – 4.0	100	087EPE04731
Double bar	light grey	1.0 – 4.0	100	087EPE04721
Double bar	white grey	1.0 – 4.0	100	087EPE04921



Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Double bar	black	2.0 – 5.0	100	087EPE05911

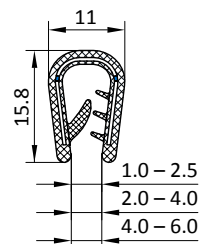
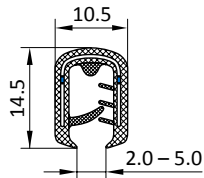


EDGE PROTECTORS

Description For encasing the edges of panels;
with split clamp; self-clamping

Material Edge protector:
PVC 78 Shore A ☒, PVC 57 Shore A transparent ☒
Clamp: Steel

Specials Edge protector: Other colors, Butyl sealant on request
Clamp: Stainless steel, non-split, single-sided split on request
Other cross-sections on request



Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Double bar	grey	2.0 – 5.0	100	087EPE06711

Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Double bar	black	1.0 – 2.5	100	087EPE07911
Double bar	black	2.0 – 4.0	100	087EPE07912
Double bar	black	4.0 – 6.0	100	087EPE07913

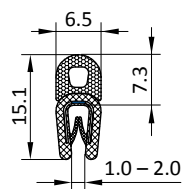


EDGE PROTECTORS

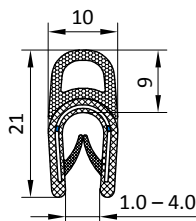
Description Combination of edge protector and sealing profile; with split clamp; self-clamping

Material Edge protector: PVC 78 Shore A ☒, PVC 57 Shore A transparent ☒
Clamp: Steel
Sealing profile: Foam rubber EPDM ☒

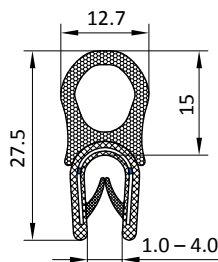
Specials Edge protector: Other colors, Butyl sealant on request
Sealing profile: Lubricant varnish, flocking, EMC film on request
Clamp: Stainless steel, non-split, single-sided split on request
Other cross-sections on request



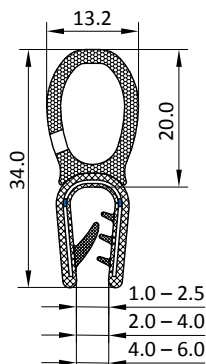
Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Center bar	black	1.0 – 2.0	100	087SPET01911



Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Double bar	black	1.0 – 4.0	50	087SPET02911



Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Double bar	black	1.0 – 4.0	50	087SPET03911



Clamp	Color	Clamping range [mm]	Pack Quant. [m]	Part #
Double bar	black	1.0 – 2.5	50	087SPET04911
Double bar	black	2.0 – 4.0	50	087SPET04912
Double bar	black	4.0 – 6.0	50	087SPET04913

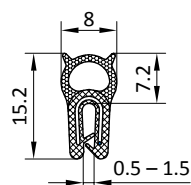


EDGE SEALING PROFILES

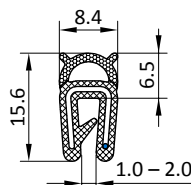
Description Combination of edge protector and sealing profile; with wire clamp or **non-split** clamp; self-clamping

Material Edge protectors:
Soft rubber EPDM or NBR ☒☒
Clamp: Steel
Sealing profile: Foam rubber EPDM or NBR ☒

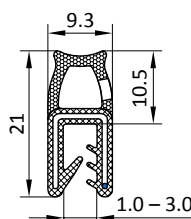
Specials Edge protectors: Other colors, Butyl sealant on request
Sealing profile: Lubricant varnish, flocking, EMC film on request
Clamp: Stainless steel, split on request
Other cross-sections on request



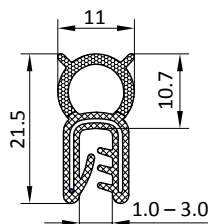
Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	wire	black	0.5 – 1.5	2 x 50	087SPET05911



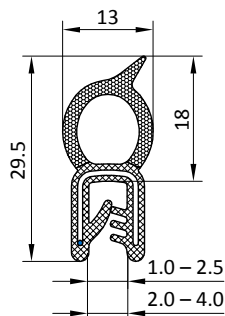
Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	wire	black	1.0 – 2.0	2 x 50	087SPET06911



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	Center bar	black	1.0 – 3.0	2 x 50	087SPET07911



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	wire	black	1.0 – 3.0	2 x 50	087SPET08911
NBR / NBR	wire	black	1.0 – 3.0	2 x 50	087SPET08912



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	wire	black	1.0 – 2.5	2 x 50	087SPET09911
EPDM / EPDM	wire	black	2.0 – 4.0	2 x 50	087SPET09912

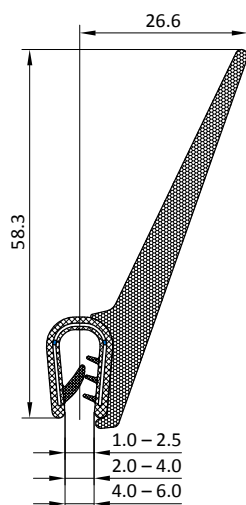
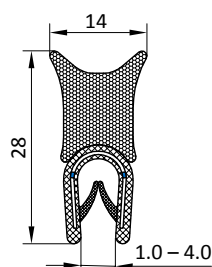
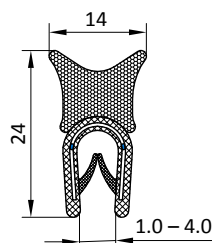


EDGE SEALING PROFILES

Description Combination of edge protector and sealing profile; with wire clamp / split double bar clamp; self-clamping

Material Edge protectors:
PVC 78 Shore A ☒, PVC 57 Shore A transparent ☒
Clamp: Steel
Sealing profile: Foam rubber EPDM ☒

Specials Edge protectors: Other colors, Butyl sealant on request
Sealing profile: Lubricant varnish, flocking, EMC film on request
Clamp: Stainless steel, non-split, single-sided split on request
Other cross-sections on request



Color	Clamping range [mm]	Pack Quant. [m]	Part #
black	1.0 – 4.0	50	087SPET10911

Color	Clamping range [mm]	Pack Quant. [m]	Part #
black	1.0 – 4.0	50	087SPET11911

Material	Clamp (2)	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / PVC	double bar	black	1.0 – 2.5	25	087SPES16911
EPDM / PVC	double bar	black	2.0 – 4.0	25	087SPES16912
EPDM / PVC	double bar	black	4.0 – 6.0	25	087SPES16913

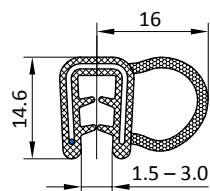


EDGE SEALING PROFILES

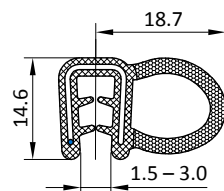
Description Combination of edge protector and sealing profile; with wire clamp / **non-split** clamp; self-clamping

Material Edge protector:
 Soft rubber EPDM or CR
 Clamp: Steel
 Sealing profile: Foam rubber EPDM or CR

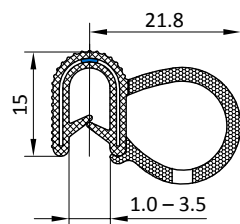
Specials Edge protector: Butyl sealant on request
 Sealing profile: Lubricant varnish, flocking, EMC film on request
 Finishing: Flame resistant, anti-fungal on request
 Clamp: Stainless steel, split on request
 Other cross-sections on request



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / PVC	wire	black	1.5 – 3.0	2 x 50	087SPES02911



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	wire	black	1.5 – 3.0	4 x 25	087SPES03911



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	Center bar	black	1.0 – 3.5	50	087SPES06911
CR / CR	Center bar	black	1.0 – 3.5	3 x 25	087SPES06912

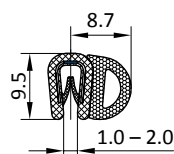


EDGE SEALING PROFILES

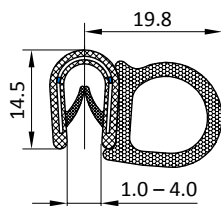
Description Combination of edge protector and sealing profile; with split clamp; self-clamping

Material Edge protector: PVC 78 Shore A ☒, PVC 57 Shore A transparent ☒
Clamp: Steel
Sealing profile: Foam rubber EPDM or NBR ☒

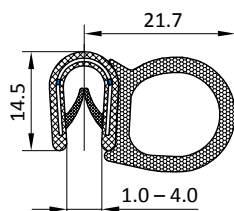
Specials Edge protector: Other colors, Butyl sealant on request
Sealing profile: Lubricant varnish, flocking, EMC film on request
Clamp: Stainless steel, non-split, single-sided split on request
Other cross-sections on request



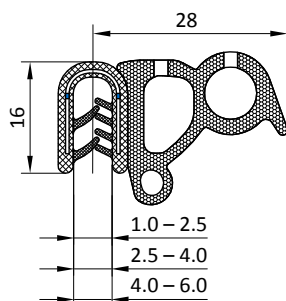
Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / PVC	Center bar	black	1.0 – 2.0	100	087SPES01911



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / PVC	double bar	black	1.0 – 4.0	50	087SPES04911



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / PVC	double bar	black	1.0 – 4.0	50	087SPES05911



Material	Color	Clamping range [mm]	Pack Quant. [m]	Part #
EPDM / PVC	black	1.0 – 2.5	50	087SPES13911
EPDM / PVC	black	2.5 – 4.0	50	087SPES13912
EPDM / PVC	black	4.0 – 6.0	50	087SPES13913

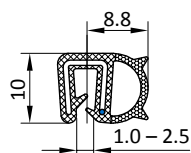


EDGE SEALING PROFILES

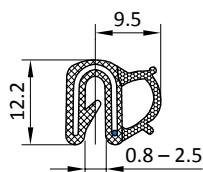
Description Combination of edge protector and sealing profile; with wire clamp; self-clamping

Material Edge protector:
 Soft rubber EPDM or NBR ☒☒☒
 Clamp: Steel
 Sealing profile: Foam rubber EPDM or NBR ☒☒☒

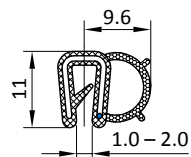
Specials Edge protector: Other colors, Butyl sealant on request
 Sealing profile: Lubricant varnish, flocking, EMC film on request
 Finishing: Flame resistant, anti-fungal on request
 Clamp: Stainless steel, split on request
 Other cross-sections on request



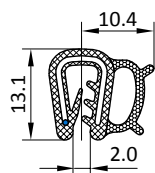
Material	Color	Clamping range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	black	1.0 – 2.5	100	087SPES07911



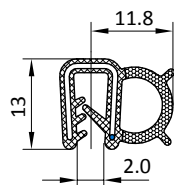
Material	Color	Clamping range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	black	0,8 – 2.5	2 x 50	087SPES08911



Material	Color	Clamping range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	black	1.0 – 2.0	2 x 50	087SPES09911



Material	Color	Clamping range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	black	2.0	2 x 50	087SPES10911

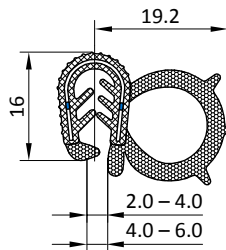


Material	Color	Clamping range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	black	2.0	2 x 50	087SPES11911
NBR / NBR	black	2.0	2 x 50	087SPES11912



EDGE SEALING PROFILES

- Description** Combination of edge protector and sealing profile; with split double bar clamp; self-clamping
- Material** Edge protector:
 Soft rubber EPDM or PVC 78 Shore A ☒
 Clamp: Steel
 Dichtprofil: Foam rubber EPDM ☒
- Specials** Edge protector: Other colors, Butyl sealant on request
 Sealing profile: Lubricant varnish, flocking, EMC film on request
 Finishing: Flame resistant, anti-fungal on request
 Clamp: Stainless steel, split on request
 Other cross-sections on request



Material	Color	Clamping range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	black	2.0 – 4.0	3 x 25	087SPES12911
EPDM / EPDM	black	4.0 – 6.0	3 x 25	087SPES12912

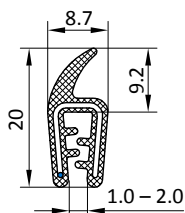


EDGE SEALING PROFILES

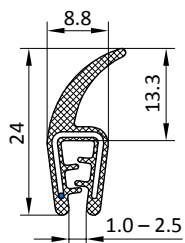
Description Edge sealing profile;
with wire clamp; self-clamping

Material Edge protector- /sealing profile: soft rubber EPDM
Clamp: Steel

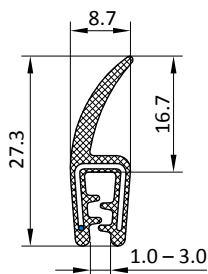
Specials Edge protector: Other colors, Butyl sealant on request
Finishing: Flame resistant, anti-fungal on request
Sealing profile: Lubricant varnish, flocking, EMC film on request
Clamp: Stainless steel on request



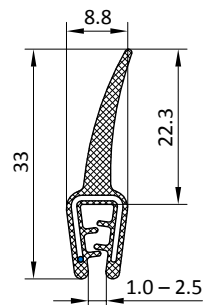
Color	Clamping range [mm]	Pack Quant. [m]	Part #
black	1.0 – 2.0	2 x 50	087SPET12911



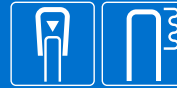
Color	Clamping range [mm]	Pack Quant. [m]	Part #
black	1.0 – 2.5	3 x 50	087SPET13911



Color	Clamping range [mm]	Pack Quant. [m]	Part #
black	1.0 – 3.0	2 x 50	087SPET14911







Color	Clamping range [mm]	Pack Quant. [m]	Part #
black	1.0 – 2.5	50	087SPET15911

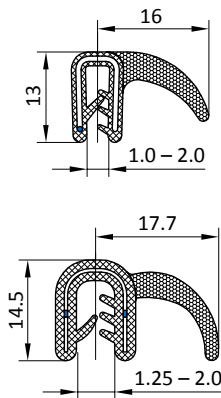


EDGE SEALING PROFILES

Description Combination of edge protector and sealing profile; with wire clamp or split double bar clamp; self-clamping

Material Edge protector:
soft rubber EPDM  or
PVC 78 Shore A , PVC 57 Shore A transparent 
Clamp: Steel
Sealing profile: Foam rubber EPDM 

Specials Edge protector: Other colors, Butyl sealant on request
Sealing profile: Lubricant varnish, flocking, EMC film on request
Clamp: Split, non-split, single-sided split on request



Material	Clamp	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	wire	black	1.0 – 2.0	2 x 50	087SPES14911

Material	Clamp (1)	Color	Clamp. range [mm]	Pack Quant. [m]	Part #
EPDM / EPDM	double bar	black	1,25 – 2.0	2 x 50	087SPES15911

(1) single-sided split

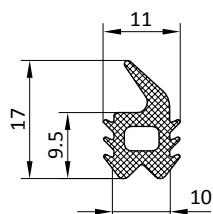


DOOR SEALING PROFILES

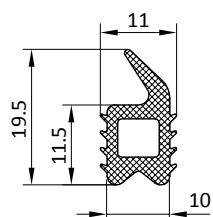
Description For sealing doors and flaps; installed by pressing into 10 mm groove or sealing channel

Material PVC 57 Shore A

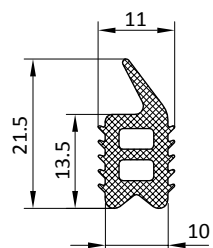
Specials Other colors on request



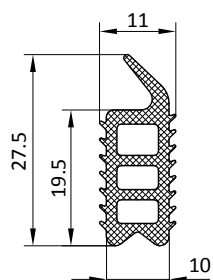
Color	Pack Quant. [m]	Part #
black	7 x 20	087SPST01911



Color	Pack Quant. [m]	Part #
black	7 x 20	087SPST02911



Color	Pack Quant. [m]	Part #
black	7 x 20	087SPST03911



Color	Pack Quant. [m]	Part #
black	5 x 20	087SPST04911



QTL

COL

INDUSTRIAL HARDWARE
CHAPTER 11: HANDLES

SLA

SWH

ASH

SFH

SCH

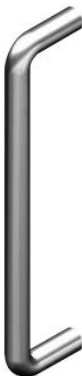
COH

ACC

GSK

HAN

CST



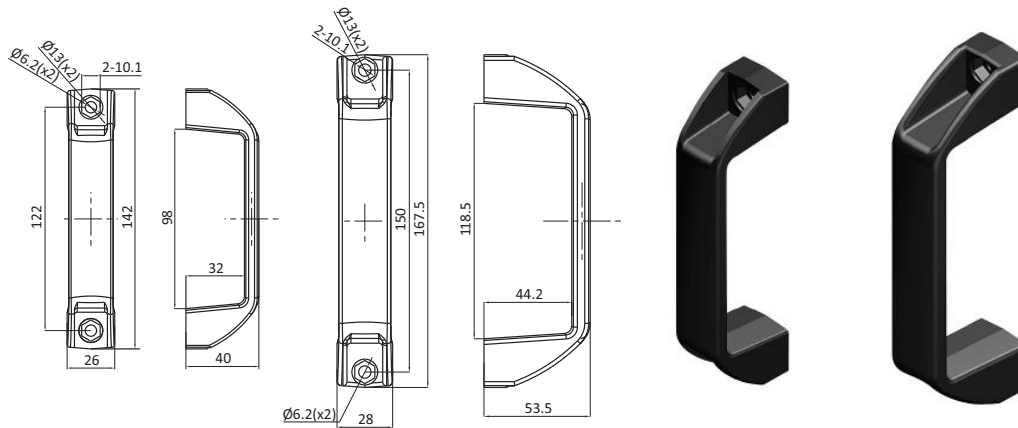
U SHAPE HANDLES	230-232
CONCEALED PULL HANDLE	233
POCKET PULL HANDLE	234-237
FOLDING HANDLES	238
SPECIAL HANDLES	238
MACHINE HANDLE 240	239
MACHINE HANDLE 135	239
COMFORT HANDLE	240
END PIECES FOR SYSTEM HANDLE	241
TUBES FOR SYSTEM HANDLE	242

U SHAPE HANDLES

Description To mount on flaps, doors, and aluminum profiles

Material PA6 GF30

Color Black



U Shape Handles

L [mm]

Part #

122.0

092001

150.0

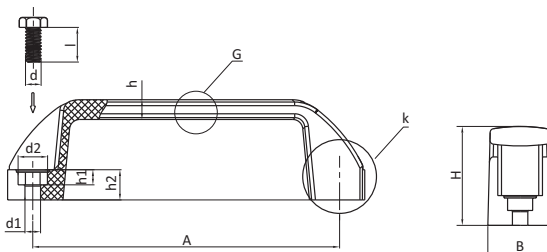
0813445

U SHAPE HANDLES

Description To mount on flaps, doors, and aluminum profiles

Material Aluminum alloy

Surface Black powder coat



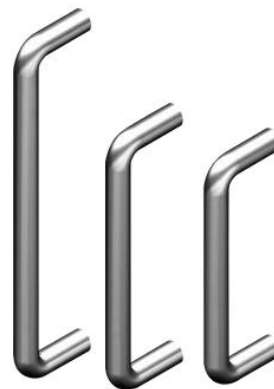
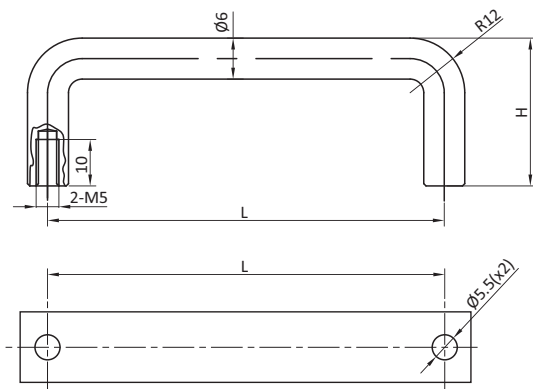
Description	A	d	d2	h1	h2	B	H	h	Part #
90 x M6	90	M6	12	7	12	20	36	6	0850003
120 x M8	120	M8	15	9	15	26	40	7	0850004
180 x 8.5	180	M8	15	9	18	28	50	8	0850005

U SHAPE HANDLES

Description To mount on flaps, doors, and aluminum profiles

Material Mild Steel
304 SS

Surface Chrome plated



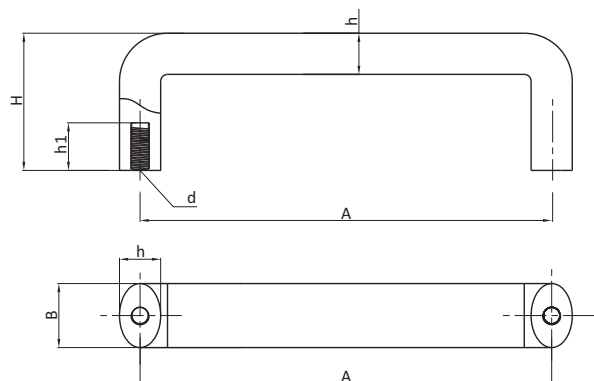
L [mm]	H [mm]	304 SS	Mild Steel
87.0mm	40	0850007	0850012
100.0mm	40	0850008	0850013
120.0mm	40	0850009	0850014
135.0mm	40	0850010	0850015
150.0mm	40	0850011	0850016

U SHAPE HANDLES

Description To mount on flaps, doors, and aluminum profiles

Material PA6 GF30

Color Black



Description	A	H	d	h1	b	h	Part #
90 x M6	90	50	M6	14	28	18	0850018
120 x M8	120	60	M8	16	28	20	0850019
180 x M8	180	60	M8	16	28	20	0850020
240 x M8	240	60	M8	16	28	20	0850021

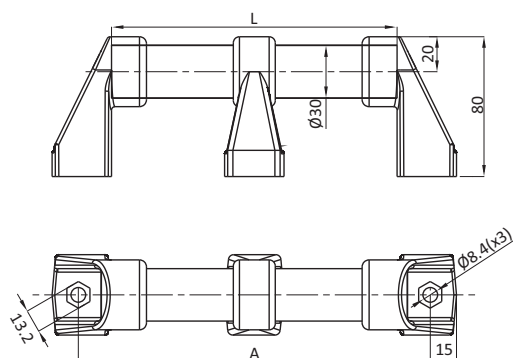


U SHAPE HANDLES

Description To mount on flaps, doors, and aluminum profiles

Material Mild Steel, PA

Surface Chrome plated, Black



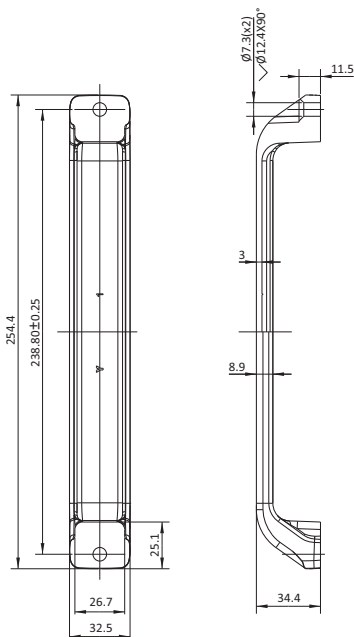
U Shape Handles	L [mm]	A [mm]	Mild Steel
	266.0mm	300.0mm	0813455
	366.0mm	400.0mm	0813456
	466.0mm	500.0mm	0813457
	566.0mm	600.0mm	0813458
	666.0mm	700.0mm	0813459
	766.0mm	800.0mm	0813460

U SHAPE HANDLES

Description To mount on flaps, doors, and aluminum profiles

Material Die cast zinc

Surface Black powder coated



U Shape Handles	L [mm]	Part #
	238.85mm	0813462

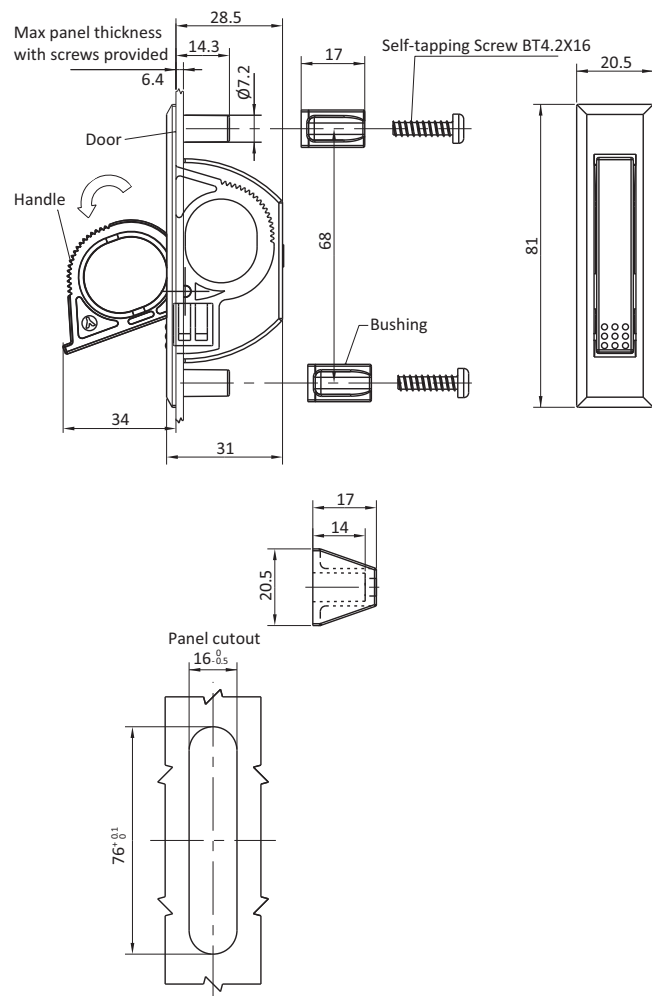


CONCEALED PULL HANDLE

Description Concealed handle to mount on flaps and doors

Material PA Housing
304 SS hardware

Color Black



Concealed Pull Handle

Part #

0813463

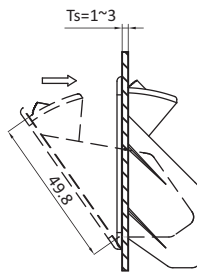
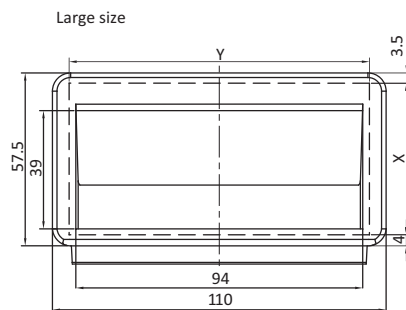


POCKET PULL HANDLE

Description Concealed handle to mount on flaps and doors

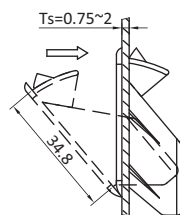
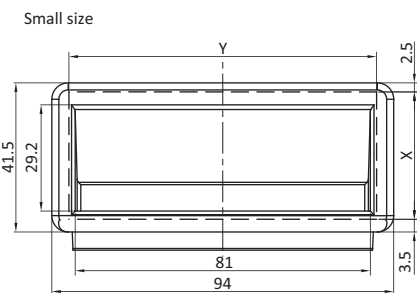
Material PA6 GF30

Color Black



Panel cutout

Ts(mm)	X	Y
1.5~2	49.8 ^{+0.2}	99.5
2~3	50 ^{+0.3}	99.5



Panel cutout

Ts(mm)	X	Y
0.75~1	35 ^{+0.2}	85 ^{+0.3}
1~2	36 ^{+0.2}	85 ^{+0.3}

Pocket Pull Handle

Part

Large

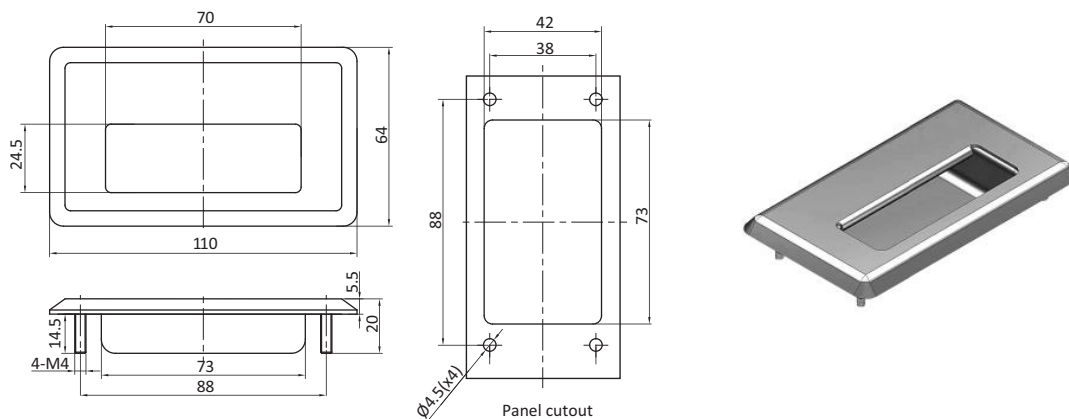
0890008

Small

0890009

POCKET PULL HANDLE

Description Concealed handle to mount on flaps and doors
Material 304 SS



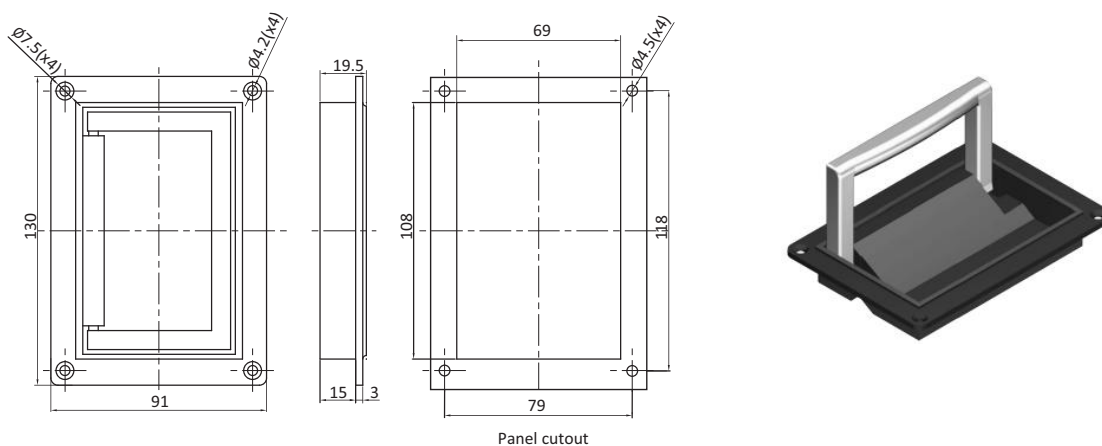
Pocket Pull Handle

Part #

0890126

POCKET PULL HANDLE

Description Concealed handle to mount on flaps and doors
Material Die cast zinc
Surface Black powder coated



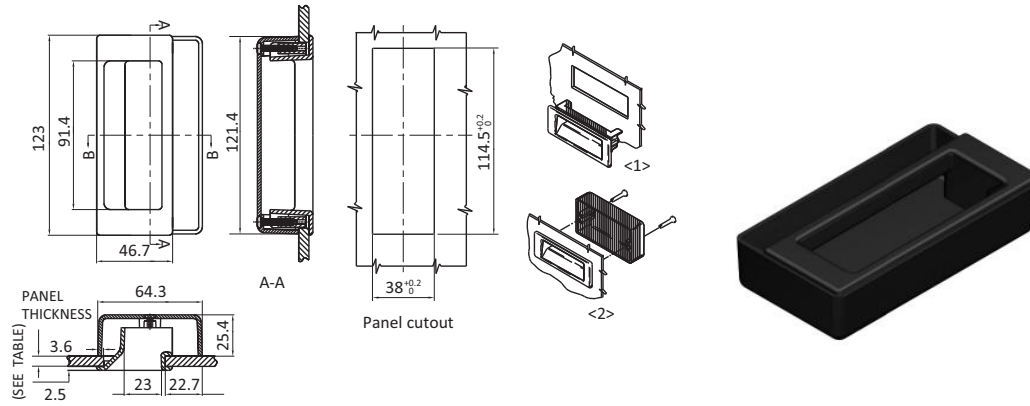
Pocket Pull Handle

Part #

0850022



POCKET PULL HANDLES

Description Concealed handle to mount on flaps and doors**Material** PA + GF**Color** Black

Pocket Pull Handles

Panel Thickness [mm]

Part

1.0 - 1.8

[0890143](#)

1.8 - 3.3

[0890147](#)

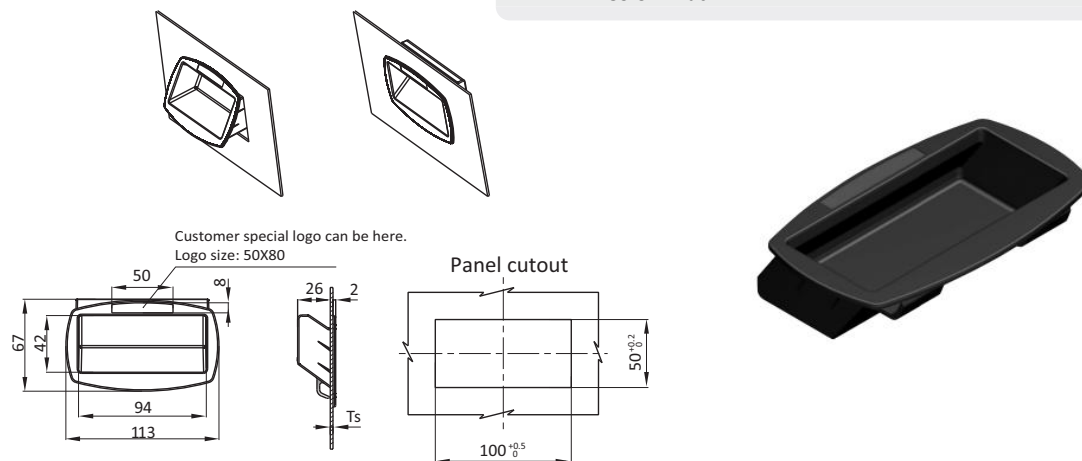
3.3 - 4.8

[0890144](#)

4.8 - 6.3

[0890145](#)

POCKET PULL HANDLES

Description Concealed handle to mount on flaps and doors**Material** PA + GF**Color** Black

Pocket Pull Handles

Panel Thickness [mm]

Part

1.0 - 1.2

[0813466](#)

1.2 - 1.6

[0813467](#)

1.6 - 2.2

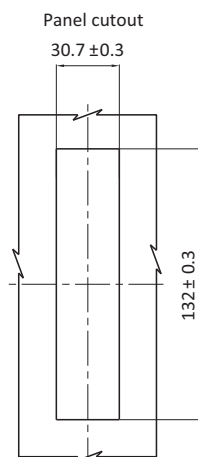
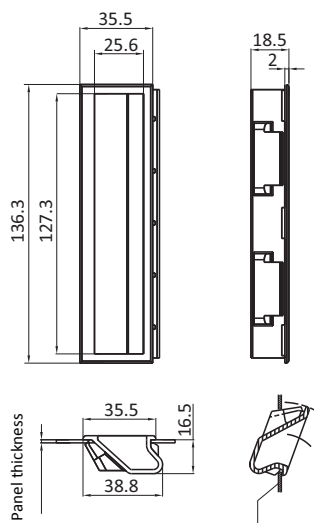
[0813468](#)



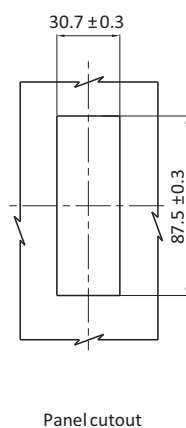
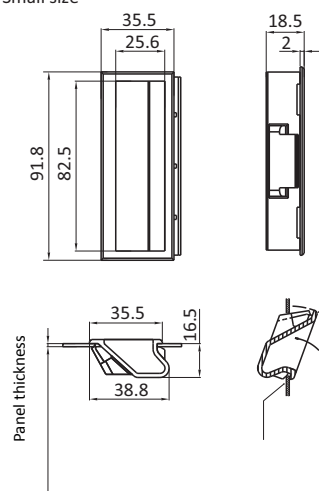
POCKET PULL HANDLES

Description Concealed handle to mount on flaps and doors
Material ABS
Color Black

Large size



Small size



Pocket Pull Handles

Panel Thickness [mm]

Large

Small

	1.0 - 1.4	0890008S01	0890009S01
	1.4 - 1.8	0890008S02	0890009S02
	1.8 - 2.1	0813471	0813472
	2.1 - 2.5	0813473	0813474
	1.5 - 2.5	0813471S01	

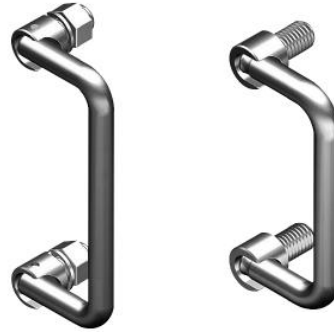
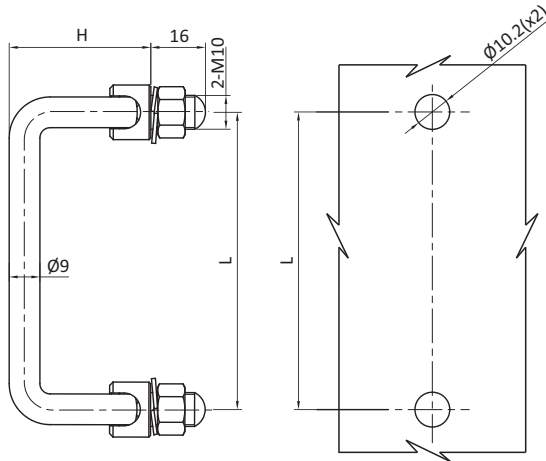
FOLDING HANDLES

Description To mount on flaps and doors

Material Mild Steel
304 SS

Color Chrome plated

Folding Handles



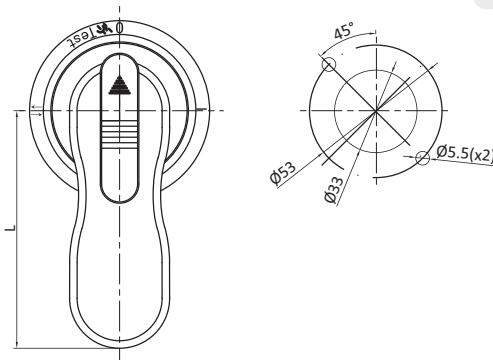
L [mm]	H [mm]	304 SS	Mild Steel
87.0mm	H = 41.5	0850025	0850030
100.0mm	H = 41.5	0850026	0850031
120.0mm	H = 41.5	0850027	0850032
135.0mm	H = 41.5	0850028	0850033
150.0mm	H = 41.5	0850029	0850034

SPECIAL HANDLES

Description Concealed handle to mount on flaps and doors

Material Mild Steel
304 SS

Color Chrome plated



Pocket Pull Handles	Size [mm]	Black	Grey
	45	0890127	0890128
	65		0890130
	95	0890131	0890132
	120	0890133	0890134



MACHINE HANDLE 240

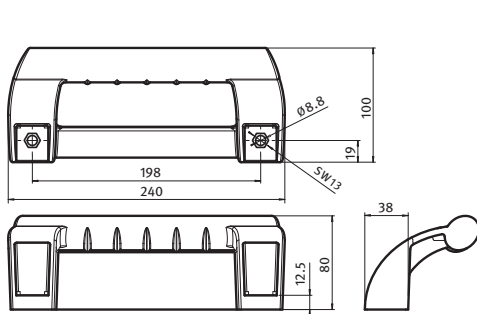
Description Large machine handle with ergonomic design and finger protection; to mount on doors, flaps and aluminum profiles; with cover caps

Material Nylon PA, glass ball reinforced

Color Black

Fastening From the front with hexagon cap screws or socket head screws, or from the back using M8 hexagon nuts and bolts

Specials electrostatically conductive, other sizes, other colors on request



Machine handle	for Screw	Weight [g]	Part #
	M8	356.0	092008

MACHINE HANDLE 135

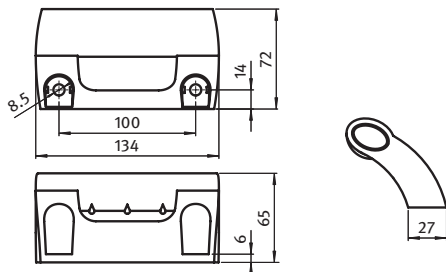
Description Machine handle with ergonomic design and finger protection; to mount on doors, flaps and aluminum profiles; optional with cover caps

Material Nylon PA, glass ball reinforced

Color Black

Fastening With hexagon cap screws or socket head screws

Specials electrostatically conductive, other sizes, other colors on request



	for Screw	Weight [g]	Part #
Machine handle	M8	114.0	092009
Set of cover caps*	-	3.0	092010

* Please note: 1 set = 2 pieces



COMFORT HANDLE

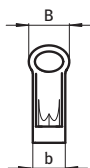
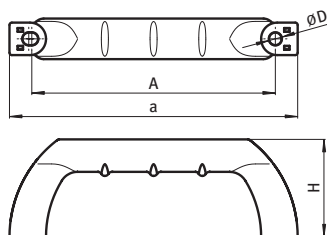
Description To mount on doors, flaps and aluminum profiles

Material Nylon PA, glass ball reinforced

Color Black

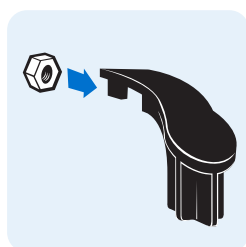
Fastening From the front with hexagon screws
From the back with screws and with nuts inserted into the cover caps

Specials Other colors on request



Comfort Handle	for Screw	for Nut	D [mm]	a [mm]	A [mm]	b [mm]	B [mm]	H [mm]	Weight [g]	Part #
120	M6	-	6.2	142.0	120.0	17.0	20.0	48.0	26.2	092300
160	M8	-	8.2	188.0	160.0	27.0	30.0	60.0	53.8	092302
200	M8	-	8.2	236.0	200.0	36.0	38.0	75.0	90.6	092304
Set of cover caps 120*		M6	-	-	-	-	-	-	4.0	092301
Set of cover caps 160*		M8	-	-	-	-	-	-	10.0	092303
Set of cover caps 200*		M8	-	-	-	-	-	-	20.0	092305

* Please note: 1 set = 2 pieces





END PIECES FOR SYSTEM HANDLE

Description To mount on doors, flaps and aluminum profiles

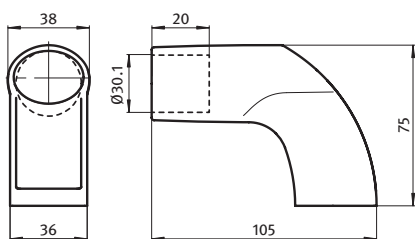
Material Nylon PA, glass ball reinforced

Color Black

Fastening From the front with hexagon screws
From the back with screws and with M8 nuts inserted into the cover caps

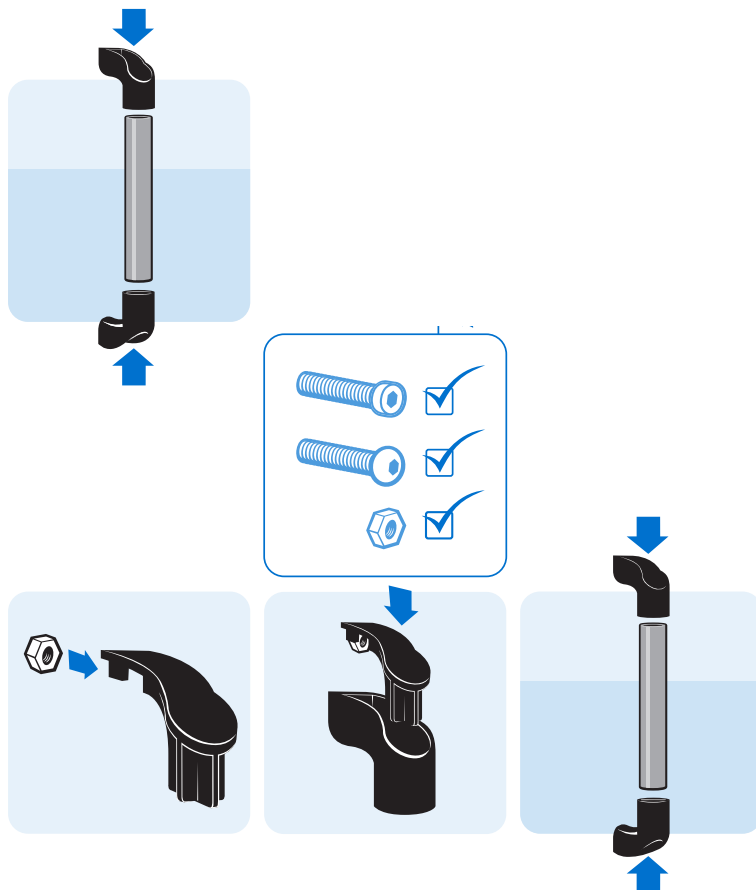
Pack Quantity 10 sets

Specials Other colors on request



End Pieces for System Handle	for Screw	for Nut	Weight [g]	Part #
Set of end pieces*	M8	-	49.5	092013
Set of cover caps*	-	M8	20.3	092305

* Please note: 1 set = 2 pieces



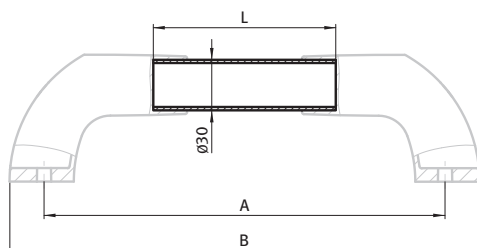
TUBES FOR SYSTEM HANDLE

Description for combining with the end pieces

Fastening End pieces for system handle

Pack Quantity 10 pieces

Specials Other surfaces, other colors on request



<i>Tubes for System Handle</i>	A [mm]	L [mm]	B [mm]	Weight [g]	Part #
<i>Carbon fibre, glossy finish</i>	200.0	70.0	240.8	16.0	092013C200
	300.0	170.0	340.8	39.0	092013C300
	400.0	270.0	440.8	62.0	092013C400
	500.0	370.0	540.8	85.0	092013C500
	-	2000.0*	-	364.0	092013C.2000
<i>Aluminum, anodized</i>	200.0	70.0	240.8	17.0	092013A200
	300.0	170.0	340.8	42.0	092013A300
	400.0	270.0	440.8	67.0	092013A400
	500.0	370.0	540.8	91.0	092013A500
	-	2000.0*	-	490.0	092013A.2000
<i>Stainless steel</i>	200.0	70.0	240.8	51.0	092013E200
	300.0	170.0	340.8	124.0	092013E300
	400.0	270.0	440.8	197.0	092013E400
	500.0	370.0	540.8	270.0	092013E500
	-	2000.0*	-	1400.0	092013E.2000
<i>Steel, plastic covered</i>	200.0	70.0	240.8	53.0	092013S200
	300.0	170.0	340.8	120.0	092013S300
	400.0	270.0	440.8	203.0	092013S400
	500.0	370.0	540.8	279.0	092013S500
	-	2000.0*	-	1500.0	092013S.2000

* for cut to length



QTL

COL

SLA

SWH

ASH

SFH

SCH

COH

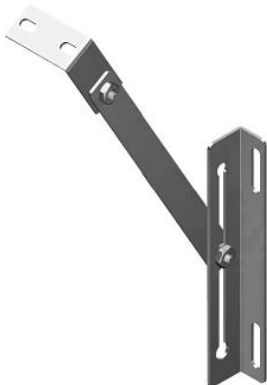
ACC

GSK

HAN

CST

INDUSTRIAL HARDWARE
CHAPTER 12: COVER STAYS



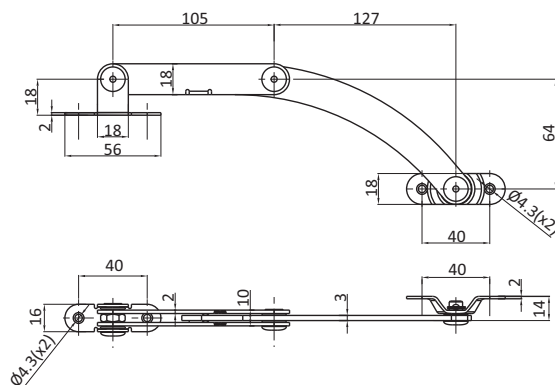
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COVER STAYS WITH BUTTON	245
COVER STAYS	246
DOOR STAYS / WIND STOPS	247-248
TELESCOPIC COVER STAYS	249
COVER STAY SHORT	250
COVER STAY LONG	251



COVER STAYS

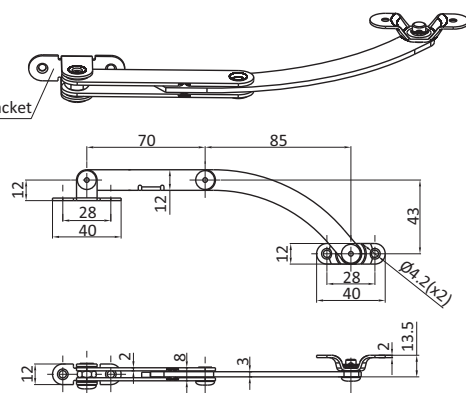
Description To hold open flaps and doors**Material** Mild steel**Color** Nickel plated

Long size



Mounting bracket

Short size

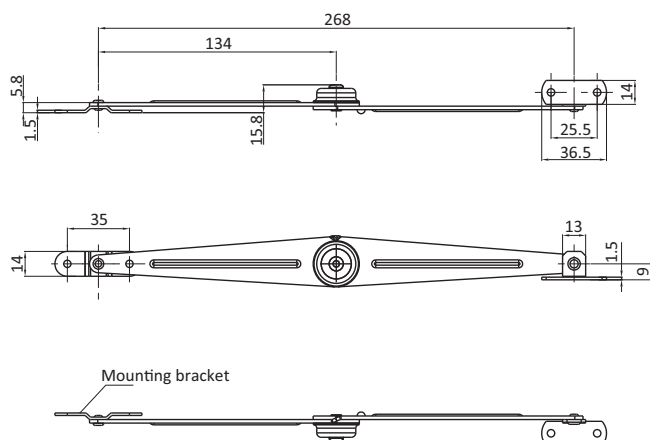


Mounting bracket

Cover Stays	L [mm]	Left Opening	Right Opening
	Long Size	0850159	0850161
	Short Size	0850160	0850162

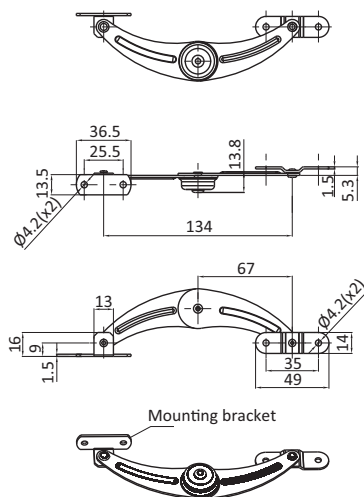


Color Nickel plated



0850164

Color Nickel plated



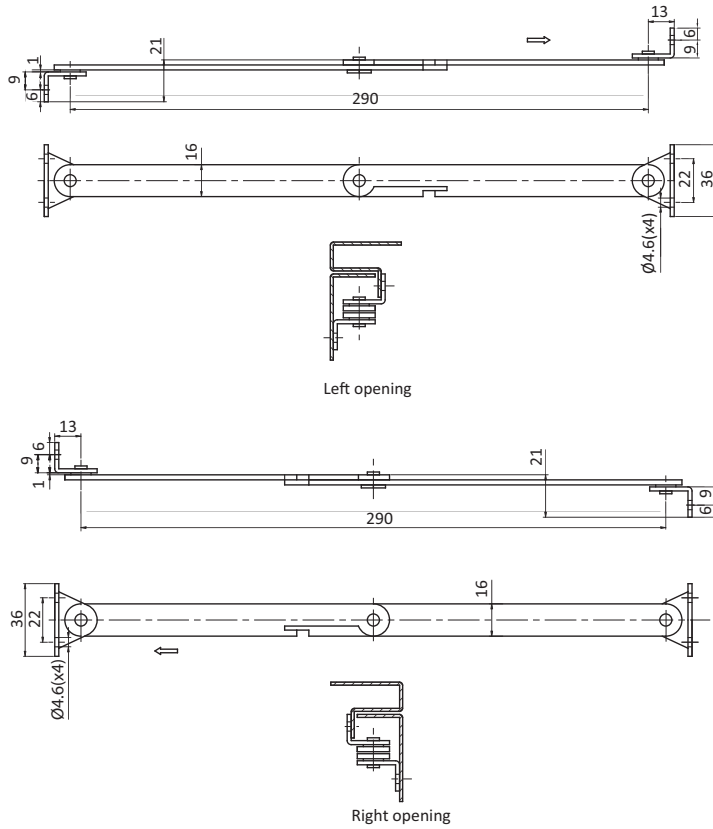
0813482

COVER STAYS

Description To hold open flaps and doors

Material Mild Steel
304 SS

Color Nickel plated



Cover Stays

Material

Left Opening

Right Opening

Mild Steel

0890011

0890010

304 SS

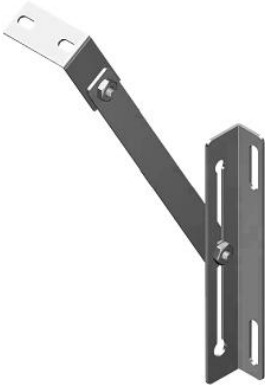
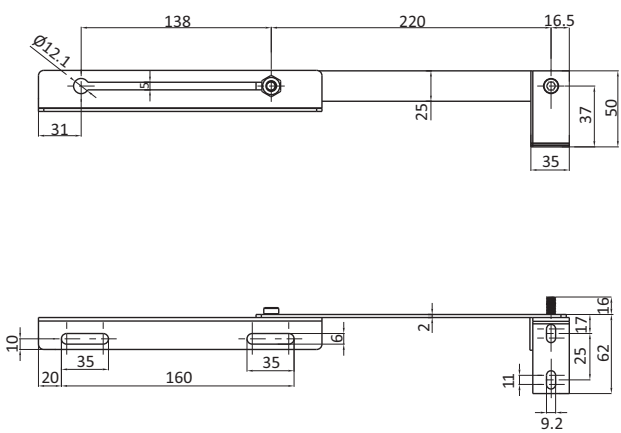
0890014

0890015

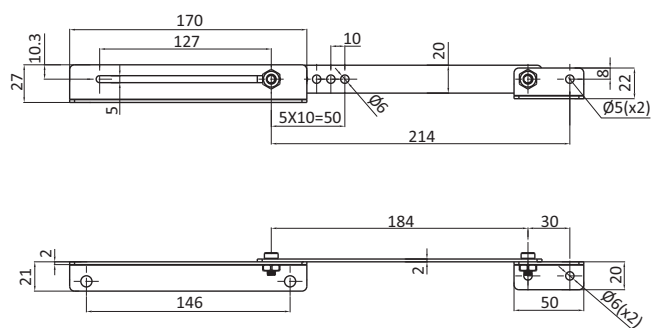
DOOR STAYS / WIND STOPS

Description To hold open doors
Material Mild Steel
304 SS
Color Nickel plated

Long size



Short size



Door Stays / Wind Stops	Material	Long Size	Short Size
	Mild Steel	0890020	0890021
	304 SS	0890022	0890023

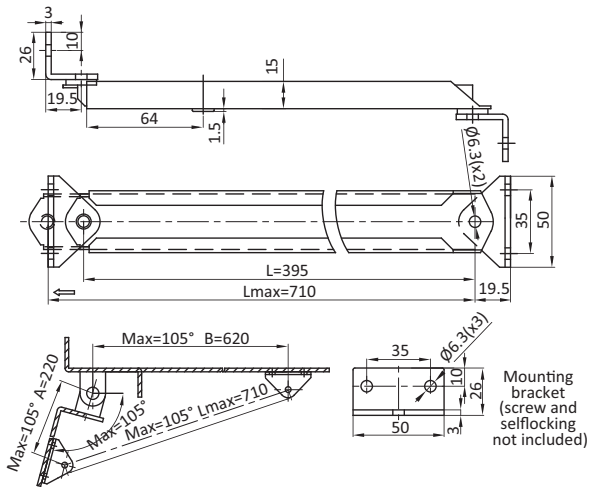
TELESCOPIC COVER STAYS

Description To hold open flaps and doors

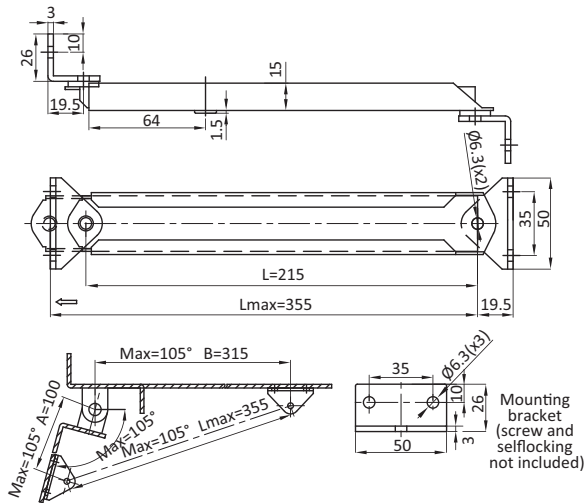
Material Mild Steel
304 SS

Color Zinc plated

Long size



Short size



Telescopic Cover Stays

Version

Part #

long

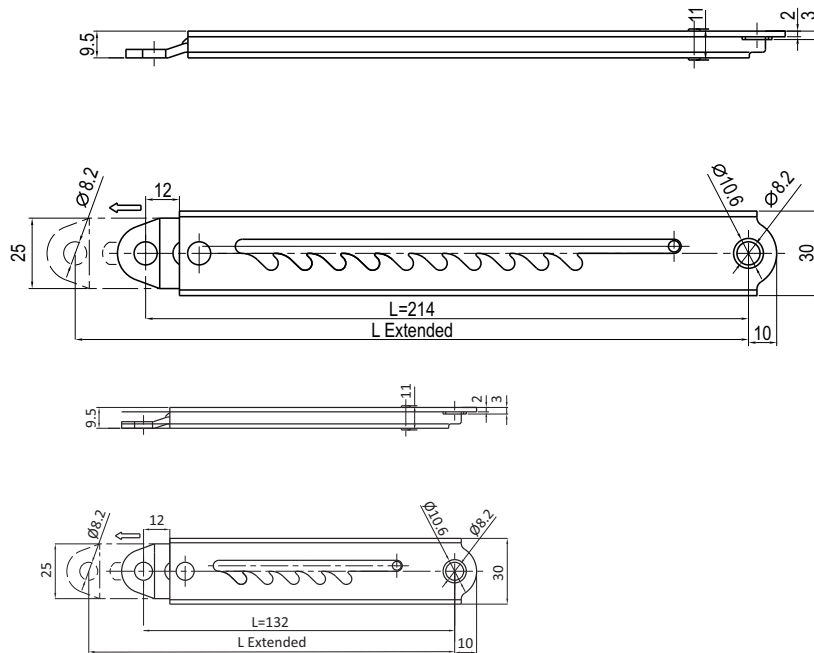
0890024

short

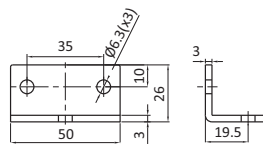
0890025



COVER STAY SHORT

Description To hold open flaps and doors**Material** Mild Steel**Color** Zinc plated

Stop	Long size L Extended	Short size L Extended
1.	234.5	164
2.	248	177
3.	261	189.5
4.	274.5	202
5.	288	214.5
6.	301	
7.	314.5	
8.	327	
9.	340.5	
10.	354	



Mounting bracket (screw and selflocking not include)
Note: The cover stay is sold with mounting bracket and related accessories together as standard.



Cover Stay

Number of Stops

Part

Short

5

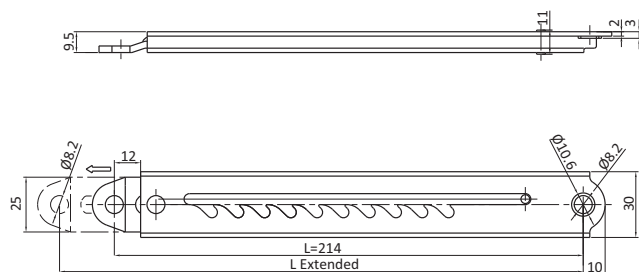
0890026

Long

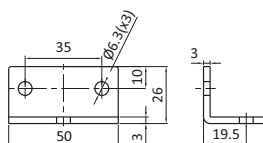
10

KT10799051

Color Zinc plated



Stop	Long size L Extended	Short size L Extended
1.	234.5	164
2.	248	177
3.	261	189.5
4.	274.5	202
5.	288	214.5
6.	301	
7.	314.5	
8.	327	
9.	340.5	
10.	354	



Mounting bracket (screw and selflocking not include)
Note: The cover stay is sold with mounting bracket and related accessories together as standard.



Cover Stay Long	Number of Stops	Part #
	10	0890136



PART NUMBER INDEX

087EPE01711	216	093VS08	212	095K4545R00	123	093044	207	0810058	56
087EPE01911	216	093VS08S01	212	095K5050F00	123	093045	213	0810058R01	203
087EPE01931	216	093VS10	212	095K5050L00	123	093045S03	213	0810059	56
087EPE02911	216	093VS10S01	212	095K5050R00	123	093046	206	0810060	56
087EPE02931	216	093VS12	212	095K6060F00	123	093059	211	0810061	56
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087EPE04721	216	095A2525R	125	095KF3030F00	124	093166SW	214	0810065	56
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087EPE07911	217	095A3535R	125	095S3030A00	127	095006	137	0810071	56
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087SPES03911	221	095A4545L	125	095SR4040A00	127	095007SBS01	141	0810076	50
087SPES04911	222	095A4545R	125	304 Stainless Steel	199	095008	142	0810077	50
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087SPET04911	218	095E5050F	126	092013E200	242	0810010	47	0810106	23
087SPET04912	218	095E5050L	126	092013E300	242	0810011	47	0810107	23
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087SPET09912	219	095K2525L00	123	092013S400	242	0810043	47	0810114	33
087SPET10911	220	095K2525R00	123	092013S500	242	0810044	47	0810114E	33
087SPET11911	220	095K3030F00	123	092013S.2000	242	0810045	47	0810114S03	32
087SPET12911	225	095K3030L00	123	092300	240	0810046	47	0810115	33
087SPET13911	225	095K3030R00	123	092301	240	0810047	47	0810116	33
087SPET14911	225	095K3535F00	123	092302	240	0810048	47	0810116ES02	36
087SPET15911	225	095K3535L00	123	092303	240	0810049	47	0810117	35
087SPST01911	227	095K3535R00	123	092304	240	0810050	47	0810117S01	36
087SPST02911	227	095K4040F00	123	092305	240	0810051	47	0810118	35
087SPST03911	227	095K4040L00	123	092305	241	0810052	47	0810121	31
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August 2016

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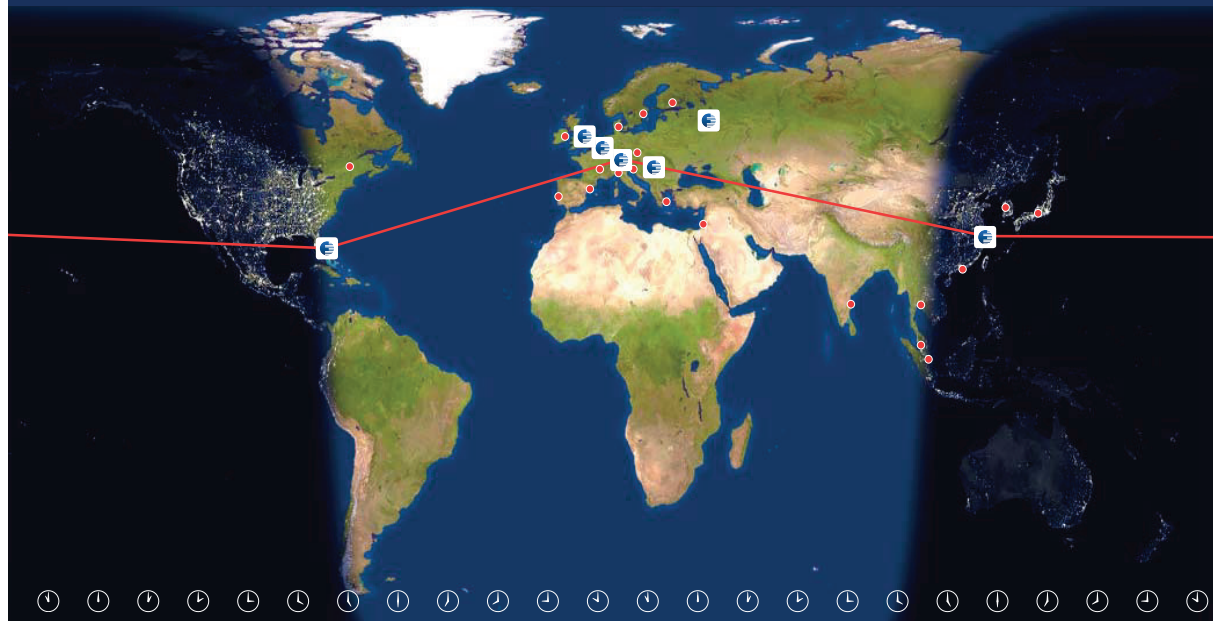
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