simply **practical**

FATH®

Components

LATCH HINGE SEAL SECURE

INDUSTRIAL **HARDWARE**

FATH®

Components

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

LH Door with swinghandle
Opening direction is counter-clockwise

LH 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

NEW

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
Cam control	0813478	0813479
2pt rod control	0813179	0813475
3pt rod control	0813476	0813477

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

NEW

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

NEW

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

NEW

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

FATH®
Components

INDUSTRIAL **HARDWARE**
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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

Panel Cutout

Spring Fixing Plate

Panel Cutout B

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

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

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

Panel cutout

GH=18

GH=30

GH=50

GH=60

Double Bit 3mm

Double Bit 4mm

Double Bit 5mm

Triangular 7mm

Triangular 8mm

Female Square 8mm

Square 7mm

Square 8mm

Square 7mm with slot

Square 8mm with slot

2x4 Slot

2x4 Slot coin proof

Hexagon female 8mm

Hexagon male 10mm

Hexagon female 8mm with pin 3mm

Triangular 10mm with M5 screwhole

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

Housing with 2 padlock holes

Housing with 4 padlock holes

Panel Cutout

Pad Lock Compatible Quarter Turn Locks	Insert Type	GH = 18 Die-cast Zinc black powder coated	GH = 22 Die-cast Zinc black powder coated	GH = 22 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	0810182C	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 Stye	Cylinder dimensions	Die-cast Zinc, RA 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

Without Pull-Tap

With Pull-Tap

Panel Cutout

Shaft Style	Cylinder Style	Grip Range MIN – MAX without Pull Tab Cam forward	without Pull Tab Cam reversed	with Pull Tab Cam forward	with Pull Tab Cam reversed	Part #
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

Without Pull-Tap

With Pull-Tap

Panel Cutout

Shaft Style	Cylinder Style	Grip Range MIN – MAX without Pull Tab Cam forward	without Pull Tab Cam reversed	with Pull Tab Cam forward	with Pull Tab Cam reversed	Part #
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	0811002	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

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 (Keyed FH333)	0810112S01	0810112S02
Non-locking	0810113S01	0810116ES02
2 x 4 Slot	0810117S01	

Compatible cams see pages 195-202

FATH®
Components

INDUSTRIAL **HARDWARE**
CHAPTER 2: **COMPRESSION LATCHES**

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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:

Water dust proof cover

Key

Panel Cutout

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

IP65 NEMA 4

FATH Components

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

Optional Components:
Pull-tab

Water dust proof cover

Panel Cutout

Key

Tublar Key operated | Double bit 3 | Triangular 7 | Triangular 8 | Square 7

Square 8 | Hex female 8 | Hex.male 10 | Slotted recess | Knob 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	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

Optional components:

Pull-tab

Water dust proof cover

Key

Panel Cutout

Tublar
Key operated | Double bit 3 | Triangular 7 | Triangular 8 | Square 7

Square 8 | Hex female 8 | Hex.male 10 | Slotted recess | Knob style

Large Compression Latches	Cylinder Style	Part #
	Tubualar 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

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	Left	Right
	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
	Offset	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

IP65 NEMA 4

FATH® Components

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 and shaft: Mild steel

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

Specials Right and left
IP65 / NEMA 4

Panel Cutout

Key

Tublar Key operated | Double bit 3 | Triangular 7 | Triangular 8 | Square 7

Square 8 | Hex female 8 | Hex.male 10 | Slotted recess

Shaft Style	Cylinder Style	Part #
Fixed H Dimension	Tublar Key operated	0813117
	Double bit 3mm	0813118
	Triangular bit 7mm	0813119
	Triangular bit 8mm	0813120
	Square 7mm	0813121
	Square 8mm	0813122
	Slotted recess	0813123
	Hex female 8mm	0813124
	Hex female 10mm	0813125

Compatible cams see pages 195-202

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
	16 - 26	46 - 56	0813320	0813321
	26 - 36	36 - 46	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

Panel Cutout

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

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

COL

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. Panel thickness must be 1 - 11 mm.

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

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

Non-locking

Key Locking

Max. panel Ts see table

Mounting Bracke	Panel Thickness Min - Max [mm]	Grip Range Min - Max [mm]	E [mm]	Non Locking	FH751 Key Locking with Shutter	FH751 Key Locking	Phillips Drive
A	1 - 11	1 - 14	29	0810072	0813001	0810076	0813003
B	11 - 21	1 - 14	29	0813004	0813005	0813006	0813007
A	1 - 11	14 - 29	44	0810073	0813009	0810077	0813011
B	11 - 21	14 - 29	44	0813012	0813013	0813014	0813015
C	21 - 31	14 - 29	44	0813016	0813017	0813018	0813019
A	1 - 11	29 - 45	60	0810074	0813021	0810088	0813023
B	11 - 21	29 - 45	60	0813024	0813025	0813026	0813027
C	21 - 31	29 - 45	60	0813028	0813029	0813030	0813031
D	31 - 41	29 - 45	60	0813032	0813033	0813034	0813035
A	1 - 11	45 - 57	72	0810075	0813037	0810089	0813039
B	11 - 21	45 - 57	72	0813040	0813041	0813042	0813043
C	21 - 31	45 - 57	72	0813044	0813045	0813046	0813047
D	31 - 41	45 - 57	72	0813048	0813049	0813050	0813051

COL

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

Over-Center Draw Latches	Lock Style	Die-cast Zinc, black powder coated	Die-cast Zinc, chrome plated
Large	Non-locking	0813068	0813069
	Key locking (FH751)	0813489	0813065
Small	Non-locking	0813070	0813071
	Key Locking (FH751)	0813066	0813067

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

Large size

Small size

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 - 32UCN	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**

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

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INDUSTRIAL **HARDWARE**
CHAPTER 3: **SLAM LATCHES**

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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	0810094
Key Locking	**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 Acetal black	FH751 Key Locking Acetal Grey	Non Locking Acetal black	Non Locking Acetal Grey
2 - 7	14	16	0813132	0813133	0813134	0813135
7 - 12	14	20	0813136	0813137	0813138	0813139
12 - 17	3.8	16	0813140	0813141	0813142	0813143
17 - 22	3.8	20	0813144	0813145	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

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

Mounting Hole Locations

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

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INDUSTRIAL **HARDWARE**
CHAPTER 4: **SWING HANDLES**

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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

Compatable 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: PA, glass fiber reinforced Handle: Die cast zinc Shaft and hardware: Mild steel
Color	Body: Black
Surface	Shaft and hardware: Zinc plated
Specials	Right and Left IP65 / NEMA 4 Unique key version on request FH751 key code on request

Cylinder Style	Padlock Compatible	Cam control black E-coated	Cam control black powder coated
With dust cap and FH333 cylinder	Padlockable	0880025	0880029
	Without padlock	0880026	0880030
Triangle insert	Padlockable	0880027	0880031
	Without padlock	0880028	0880032

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 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

Rod Control	Cylinder Style	Padlock Compatible	Cam control black E-coated	Cam control 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

Compatable 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

Compatable 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

	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
Compatable 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

Rod Control	Cylinder Style	Cam control with dust cap	Cam control 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
Compatable profile cylinder page 118

IP65 NEMA 4

FATH Components

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

Rod Control	Cylinder Style	Cam control with dust cap	Cam control 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
Compatable 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 controled
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

PROFILE CYLINDER SWING HANDLE

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

Specials Rod Control
Right and Left
IP65 / NEMA 4
Unique key version on request
FH751 key code on request
Comes with padlock hasp

Rod Control	Cylinder Style	Cam control with dust cap	Cam control without dust cap
2 point	FH333 Profile round cylinder	0813162	0813163
	Double bit 4mm	0813166	0813167
	Square 7mm	0813170	0813171
	Triangular 8mm	0813174	0813175
3 point	FH333 Profile round cylinder	0813164	0813165
	Double bit 4mm	0813168	0813169
	Square 7mm	0813172	0813173
	Triangular 8mm	0813176	0813177

Compatible profile cylinders see page 118
Compatible rod controls 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 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

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

Compatable 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

Double Bit 4mm | Triangular 8mm | Square 7mm

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

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

Compatable 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

Compatable 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 4Unique 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

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

Compatable 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	GH [mm]	Part #
Die cast handle / PA housing	A	18	0880043
Die cast handle / PA housing	B	20	0880044
Die cast handle and housing	B	20	0880045

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

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
Compatable 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

Compatable 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
Cam Control	0813478	0813479
2PT Rod Control	0813179	0813475
3PT Rod Control	0813476	0813477

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

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

Compatable 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	0880035	0880036
	3 point rod control	0820110	0820111

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 Mounting bracket, push plate, baffle plate and pin: Stainless steel
Surface	Body: Black powder coated / RAL 7032 powder coated
Specials	Right and Left IP65 / NEMA 4 PUR foam gasket

Cylinder Lock Swing Handle	Black Powder Coated	RAL 7032 Powder Coated
Keyed FH333	0813204	0813205

SWH

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 handle: Die-cast zinc Rod control: 316 SS
Surface	Body and handle: Black powder coated / RAL 7032 powder coated
Specials	Rod control

Cylinder Lock Swing Handle	Control	Black Powder Coated	RAL 7032 Powder Coated
	3 point rod control	0811035	0811036

Compatable Rod Control see pages 112-113

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

TOOL-LESS INSTALLATOIN COVER CAP INSTALLATON

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

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CHAPTER 5: **ACCESSORIES FOR SWING HANDLES**

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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

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 parrallel 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	
	24	32	M6 x 16		0890129
Version D	25	38	M6 x 20		0890031
	30	44	M6 x 24		0890030

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

ASH

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
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

Version A

Version B

Version C

Version D

Version E

F Version F (H=23.5)
G Version G (H=28.5)

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

RODS

Description Locks and unlocks both quarter turns and swing handles
Material Mild steel
Rollers: Brass
Surface Zinc plated

Door Height [mm]	X [mm]	Y [mm]	Version H
800 - 1200	-	126.5	0813255
1200 - 1600	-	276.5	0813256
1600 - 1900	101.5	526.5	0813257
1900 - 2200	101.5	676.5	0813258

RODS

Description Locks and unlocks both quarter turns and swing handles
Material Mild steel
Rollers: Nylon
Surface Zinc plated

A [mm]	L = 400	L = 500	L = 600	L = 700	L = 800	L = 900	L = 1000	L = 1100
18.5	0813259	0813260	0813261	0813262	0813263	0813264	0813265	0813492
22.5	0813266	0813267	0813268	0813269	0813270	0813271	0813272	0813493
27.5	0813273	0813274	0813275	0813276	0813277	0813278	0813279	0813494

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

Version A

Push button

Version B

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

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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]	FAmax [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

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	FAmax [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

SFH

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	FAmax [N]	FRmax [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

SFH

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]*	FAmax [N]	FRmax [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

SFH

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

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

SFH

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 threaded studs	0830012S03	0830013
With threaded hole	0830012	0830013S01

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: 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	

SFH

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

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: 304 Stainless Steel
Specials Lift off
Left and right

Version	Black Powder Coated	Chrome Plated
Version A (Left)	0830026	0830030
Version B (Right)	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

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

Stainless steel version

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

SFH

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

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

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

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: 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

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

SFH

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

Version L(Left) Version R(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

Small 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

Panel cutout

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

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

Adjustment screw for vertical door adjustment

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

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

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

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

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INDUSTRIAL **HARDWARE**
CHAPTER 7: **SEMI-CONCEALED HINGES**

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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

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

SCH

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

SCH

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	0830059	0830061
2	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

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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

SPRING LOADED CONCEALED HINGES

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

Spring loaded concealed hinges	Screw On	304 SS	Mild steel
	left	0813406	0840053
	right	0813407	0840054

COH

CONCEALED HINGES

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

Screw on version Weld on version

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

COH

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: Black powder coated Hinge pin: Zinc plated
Specials	Right and left

Concealed Hinge	Part #
	0840011

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

Concealed Hinge	Part #
	0813399

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INDUSTRIAL **HARDWARE**
CHAPTER 9: **ACCESSORIES**

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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

Large size
For cutout 22.5x20.1

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

ACC

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

Eye Bolt	L	H1	H2	D1	D2	D3	D4	M	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

STANDARD QUARTER TURN CAMS

Description Standard cams for standard quarter turns. Contains 3mm ramps. Cam contains a stop for quarter turns that do no have internal restraints.

Material Mild steel

Surface Zinc plated

Specials Other materials and custom cams on request

	BH	GH = 18 Standard	GH = 30	GH = 36	GH = 40	GH = 50	GH = 60	Style A	Style B	Style C	Style D
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	0810322
	-10	8	20	26	30	40	50	0810250	0810277	0810297	0810323
	-8	10	22	28	32	42	52	0810251	0810278	0810298	0810324
	-5	13	25	31	35	45	55	0810252	0810279	0810299	0810325
	-4	14	26	32	36	46	56	0810253	0810280	0810300	0810326
	-2	16	28	34	38	48	58	0810254	0810281	0810301	0810327
	0	18	30	36	40	50	60	0810255	0810282	0810302	0810328
	2	20	32	38	42	52	62	0810256	0810283	0810303	0810329
	4	22	34	40	44	54	64	0810257	0810284	0810304	0810330
	6	24	36	42	46	56	66	0810258	0810285	0810305	0810331
	7	25	37	43	47	57	67	0810259	0810286	0810306	0810332
	8	26	38	44	48	58	68	0810260	0810287	0810307	0810333
	10	28	40	46	50	60	70	0810261	0810288	0810308	0810334
	12	30	42	48	52	62	72	0810262	0810289	0810309	0810335
	14	32	44	50	54	64	74	0810263		0810310	0810336
	16	34	46	52	56	66	76	0810264		0810311	0810337
	17	35	47	53	57	67	77	0810265	0810290	0810312	0810338
	18	36	48	54	58	68	78	0810266		0810313	0810339
	20	38	50	56	60	70	80	0810267	0810291	0810314	0810340
	22	40	52	58	62	72	82	0810268	0810292	0810315	0810341
	24	42	54	60	64	74	84	0810269	0810293	0810316	0810342
	26	44	56	62	66	76	86	0810270	0810294	0810317	0810343
	27	45	57	63	67	77	87	0810271		0810318	0810344
	29	47	59	65	69	79	89	0810272		0810319	0810345
	32	50	62	68	72	82	92	0810273		0810320	0810346
	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

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

stroke 26mm

Style A

Style B

Style C

Style D

Style E

Style	H Dimension	Angle	Part #	Left	Right
A	25			0810459	0810460
	27			0810461	0810462
	29			0810463	0810464
	31			0810465	0810466
B		90 °	0810708		
		45 °	0810709		
		90 °	0810710		
		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

ACC

HOOK CAM QUARTER TURN

Description	Hook Cams for standard quarter turns. Cam contains a stop for quarter turns that do no 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

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
Specials	Other materials and custom cams on request

Style A

Style B

Style C

Style D

Unique multipoint quarter turn cams

Style	L [mm]	BH	Part #
A	25	0	0810347
	20	0	0813441
B	60	2	0810348
	63	14	0810349
	73	0	0810350
C	60	12	0810351
	81	18	0810352
	88	0	0810353
D	88	0	0810354

ACC

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 no 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		
FH2233		Full brass	0813439		
FH101		Full brass	0813440		

ACC

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 magentic 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	Magentic 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

ACC

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

ACC

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

ACC

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

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CHAPTER 10: **GASKETS**

EDGE PROTECTORS	216-218
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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

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INDUSTRIAL **HARDWARE**
CHAPTER 11: **HANDLES**

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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 xM8	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

Panel cutout

Concealed Pull Handle	Part #
	0813463

POCKET PULL HANDLE

Description Concealed handle to mount on flaps and doors
Material PA6 GF30
Bolor Black

Large size

Panel cutout

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

Small size

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

Panel cutout

Small size

Panel cutout

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

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

Tubes for System Handle	A [mm]	L [mm]	B [mm]	*Weight [g]*	*Part #*
Carbon fibre, glossy finish	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
Aluminum, anodized	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
Stainless steel	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
Steel, plastic covered	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

FATH®

Components

INDUSTRIAL **HARDWARE**
CHAPTER 12: **COVER STAYS**

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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

COVER STAYS WITH BUTTON

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

Cover Stays With Button	Left Opening	Right Opening
	0850163	0850164

COVER STAYS WITH BUTTON

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

Cover Stays With Button	Left Opening	Right Opening
	0813481	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	0890022
	304 SS	0890021	0890023

DOOR STAYS / WIND STOPS

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

W	X	Y	minimal door width
90°	140	180	403
105°	120	166	389
120°	110	150	373
135°	100	146	369

Door Stays / Wind Stops	Material	Part #
	Mild Steel	0890006
	304 SS	0813022

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 togehter as standard.

Cover Stay Short	Number of Stops	Part #
	5	0890026

COVER STAY LONG

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 togehter as standard.

Cover Stay Long	Number of Stops	Part #
	10	0890136

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August 2016
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