



ENCLOSURE MARKET

Euro-Locks Group specializes in design and manufacture of locking systems for a broad spectrum of industrial customers.

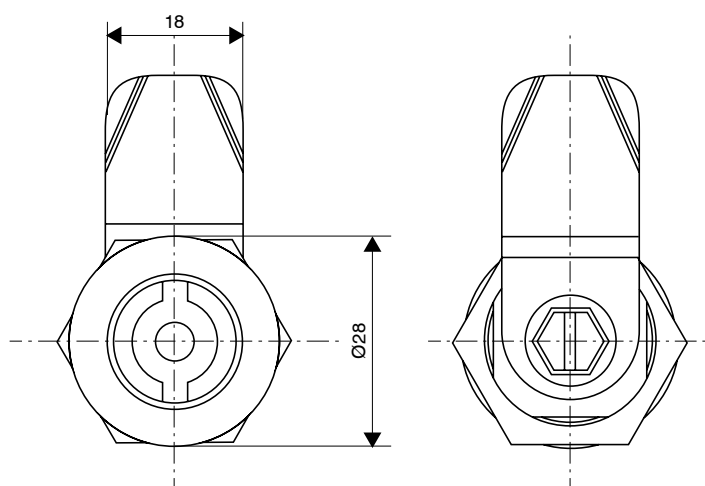
Our offer is distinctive for a wide range of products:

- Locks for the power market
- Locks for the construction market
- Locks for metal furniture
- Locks for wooden furniture
- Locks for postal boxes
- Locks for the automotive market
- Locks for safes
- Locks for window handles and other.

We manufacture IP65 class spanner locks, swinghandles, hinges, seals, camlocks, padlocks, mechanical combination locks, electronic locks, safe locks, switches, locks for window handles, barrels for different applications, locking systems for roof boxes and many others.

Why it's good to cooperate with us?

- A wide range of products (over 1000 product references)
- Highest quality of manufactured locks, confirmed with ISO9001 and VDS certificates
- Statutory warranty
- Stability of cooperation
- Excellent price-performance ratio
- Production flexibility
- Possibility of designing and manufacturing products that meet individual customer's requirements.



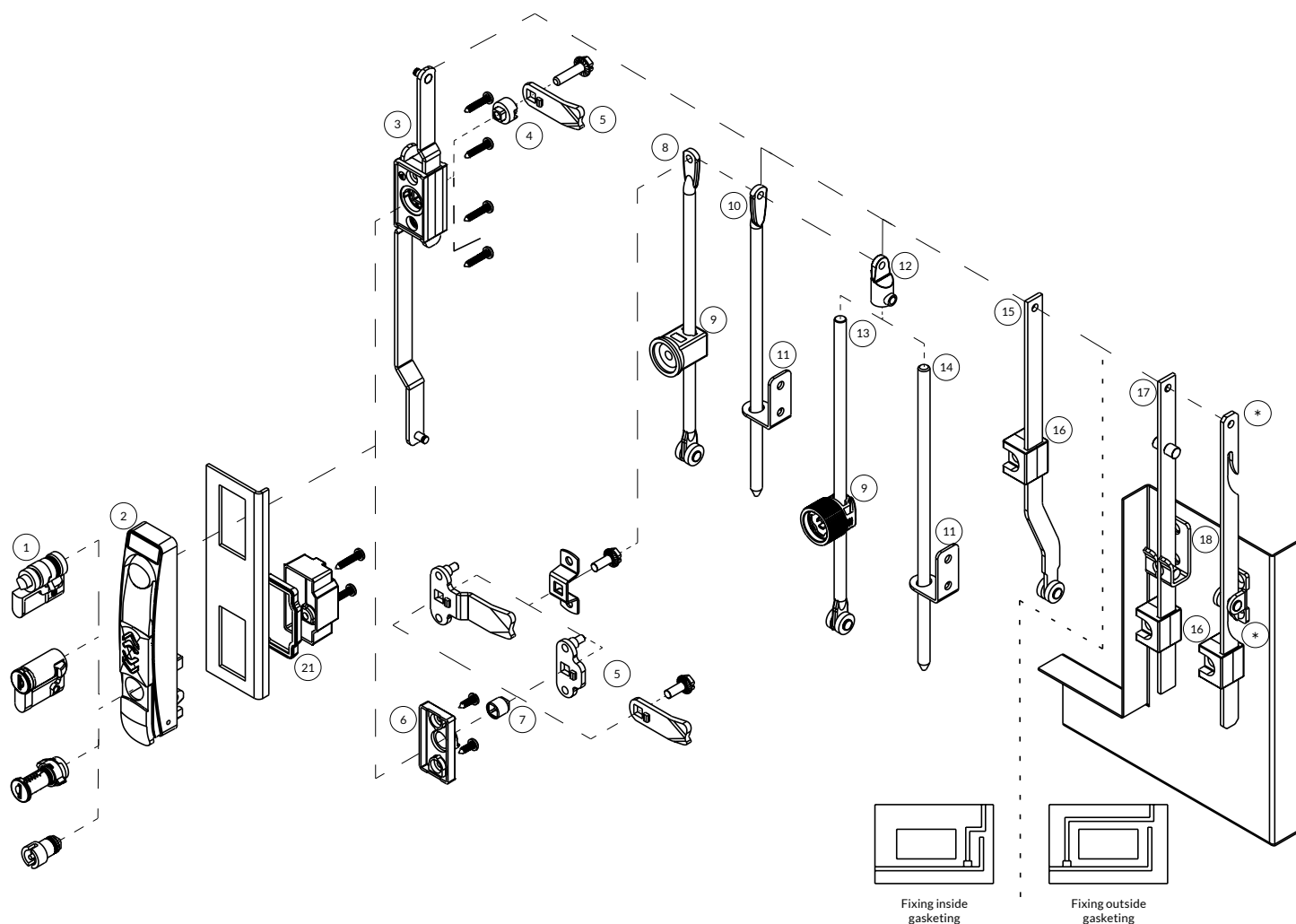


CONTENTS

Symbol	Description	Page
PROGRAM		
50×50×50	Program scheme	4
EUROPROFILES		
D868	Europrofile cylinder	5
P848	Europrofile cylinder	6
P829	Spanner europrofile cylinder	6
HANDLES		
H826	Swinghandle for europrofile	7
H827	Swinghandle with barrel	8
H829	Swinghandle with barrel	9
H828	Swinghandle for europrofile	10
H830	Swinghandle for europrofile	11
H822	Swinghandle for europrofile	12
H812	Swinghandle with spanner barrel	13
H823	Swinghandle for europrofile	14
PROGRAM		
50×50×50 50×25	Escutcheon program scheme	15
ESCUTCHEONS		
H807	Escutcheon with spanner barrel	16
H808	Escutcheon with spanner barrel	17
H407	Escutcheon with T and W-handle	18
H802, H805	Short escutcheons with spanner barrel	19
H405	Short escutcheon with T and W-handle	20
ACCESSORIES		
W101, W198, W238	Rods controls	21
W162	Anti-panic lock	22
W174	Rod control	22
P3149, P3152	Adapters for cam	23
P3150, P9002	Cover and gasket for swinghandle	23
1-Point cams	Cams parameters	24
2-Point cam	Cam parameters	24
3-Point cams	Cams parameters	25
PR1	Flat rods with roller	26
PR36	Round rods Ø 6	27
PR38	Round rods Ø 8	27
PR38	Round rods Ø 8 with roller	28
PR2	Flat rods with pressure rollers	28
W147	Rod guide	29
W187, W108	Rod guides	30
W102	Rod catch	31
W109	Rod guide	31
W178	Adapter for rod	31
PROGRAM		
Ø 23×20	Program scheme	32

Symbol	Description	Page
LOCKS		
H406	T-handle	33
H411	W-handle	34
HINGES		
Z100, Z101, Z102	Concealed hinges	35
Z106, Z114, Z 132	Concealed hinges	36
Z138, Z141, Z146	Concealed and corner hinge	37
Z200, Z122	External hinges	38
Z300, Z306	External hinges	39
Z305	External hinge	40
Z308, Z318	External hinges	41
Z400, Z403	Pin hinges	42
Z408, Z406	Pin hinges	43
Z526, Z550	Flat hinges	44
OTHER		
H301	Slide latch	45
W212	Fastener	45
OTHER LOCKS		
Explanation of product code		46
0202, 0233, B827/C046	Camlocks	47
E063	High Security Dual Tumbler Lock	48
B671, F298	Camlocks	48
P858/P885, P863/P884	Camlocks	49
B850, P888/P889	Camlocks	50
P859, P707	Spanner locks	51
F183, F550	Spanner locks	52
B826	Minicoil	53
F600	Spanner lock	53
F813	Push and turn spanner lock	53
P721	Spanner lock	54
D144/D329	Compression lock	54
P451	Camlock	54
F688/F689/F758	Latchlock operable by a servant key	55
F594	Slam action quarter turn	55
P851	Stainless steel spanner lock	56
W193	Dust cover	56
Keys for spanner locks		56
GASKETS		
U306	Cell sponge rubber	57
U200, U222, U225	Self gripping gaskets	57
U226, U227	Edge protections	57

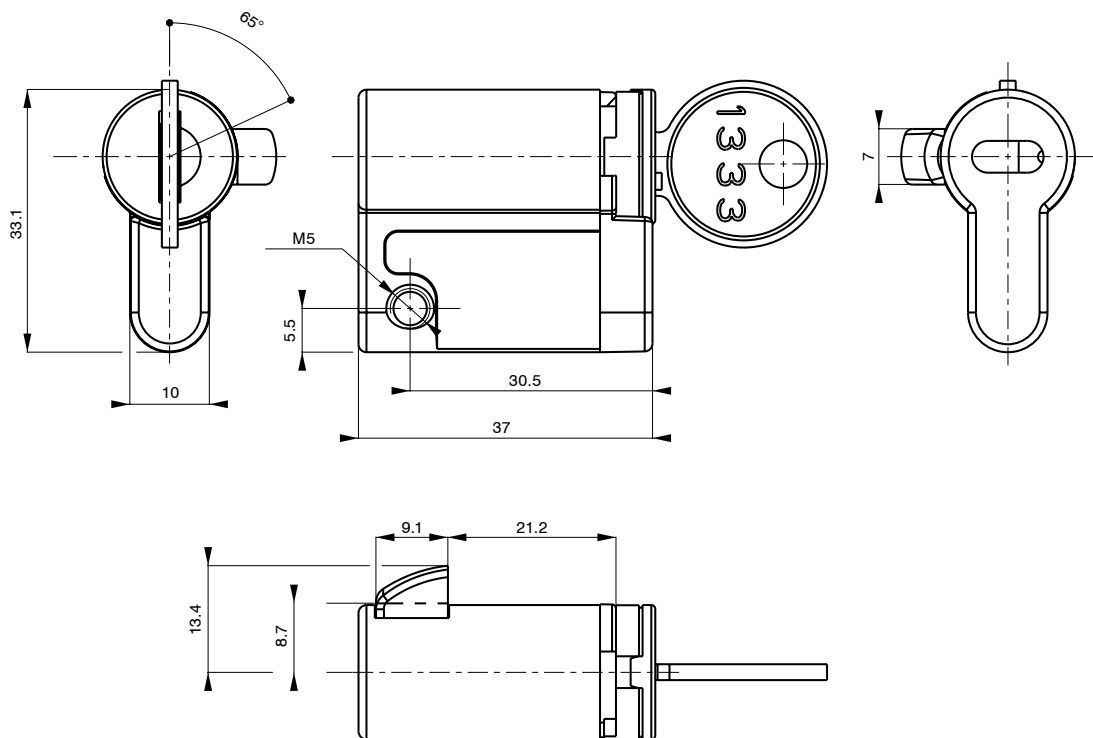
PROGRAM 50×50×50



Ref.	Symbol	Description	Page
1	D867, D868, D932, P848, P829, E063	Europrofiles	5-6
2	H812, H822, H823, H826, H827, H828, H829, H830	Swinghandles	7-12
3, 4, 6, 7, 21	W101, P3152, P3150, P3149, P9002	Accessories for handles	19-20
5	1, 2, 3-point cams	Cams	21-22
8, 10, 13, 14, 15, 17	PR10, PR11, PR3803, PR3612, PR3811, PR3801, PR3813, PR2	Rods	23-25
9, 11, 12, 16, 18	W108-X, W109-X, W178, W102, W187, W147	Accessories for rods	26-28



D868 EUROPROFILE CYLINDER

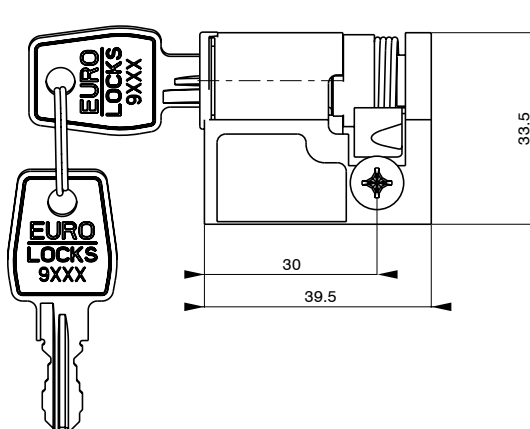
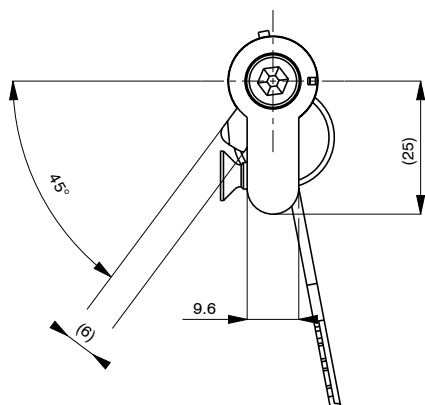


Key's series: R	D868	Key's quantity	Key's variant
		Please write the quantity of the keys, standard 2 pcs	KTP One code, e.g. 1333
			KTD Different codes
Key's series: 89	D867	Key's quantity	Key's variant
		Please write the quantity of the keys, standard 2 pcs	KTP One code, e.g. 089, 013
			KTD Different codes
Key's series: 20, 20M*	D932	Key's quantity	Key's variant
		Please write the quantity of the keys, standard 2 pcs	KTP One code
			KTD Different codes
Key's series: 800	E084	Key's quantity	Key's variant
		Please write the quantity of the keys, standard 2 pcs	KTP One code, e.g. 827, 851, 901
			KTD Different codes

EXAMPLE: D868 – 2 – KTP 1333

- Material: ZAMAK
- Finish: Nickel plated
- Dust cap cover
- Fixing: screw M5 (included)
- Quantity of combination: 500 (series R), 200 (series 89), 200 (series 20), 200 (series 800), 50 (series 20M)
- Europrofile with the same key code (e.g. 1333, 089, 013)
- * "Master" Key System available only for 20M series

P848 EUROPROFILE CYLINDER

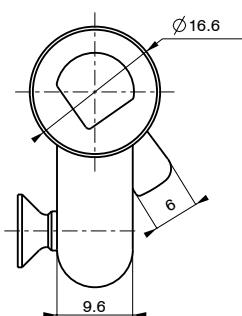
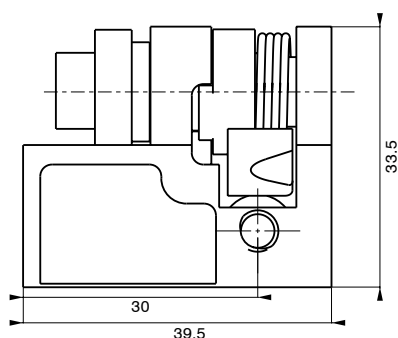


P848	Key's quantity	Key's variant
	Please write the quantity of the keys, standard 2 pcs	KTP One code (possibility to choose with one of the following codes) * 1333, 2433A, 1242E, 405, 455, 9081, EL422
		KTD Different codes (key's series: R, 9000, 9000M **)

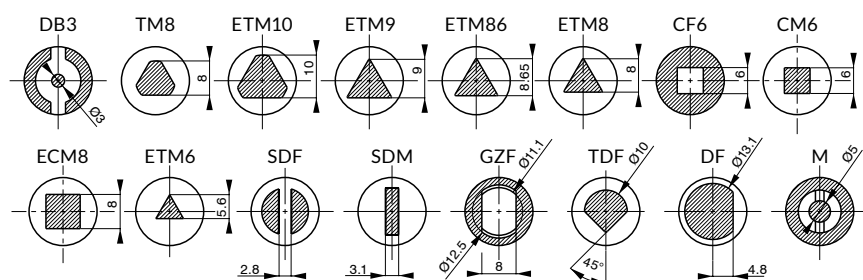
EXAMPLE: P848 – 2 – KTP 1333

- Material: ZAMAK
- Finish: zinc plated
- Dust cap cover
- Fixing: screw M5 (included)
- Quantity of combination: 500 (series R), 500 (series 9000, 9000M)
- Europrofile with the same key code (e.g. 1333, 9081, EL422)
- * Please define the exact key code for each lock when ordering
- ** "Master" Key System available only for 9000M series

P829 SPANNER EUROPROFILE CYLINDER



Available barrel shapes



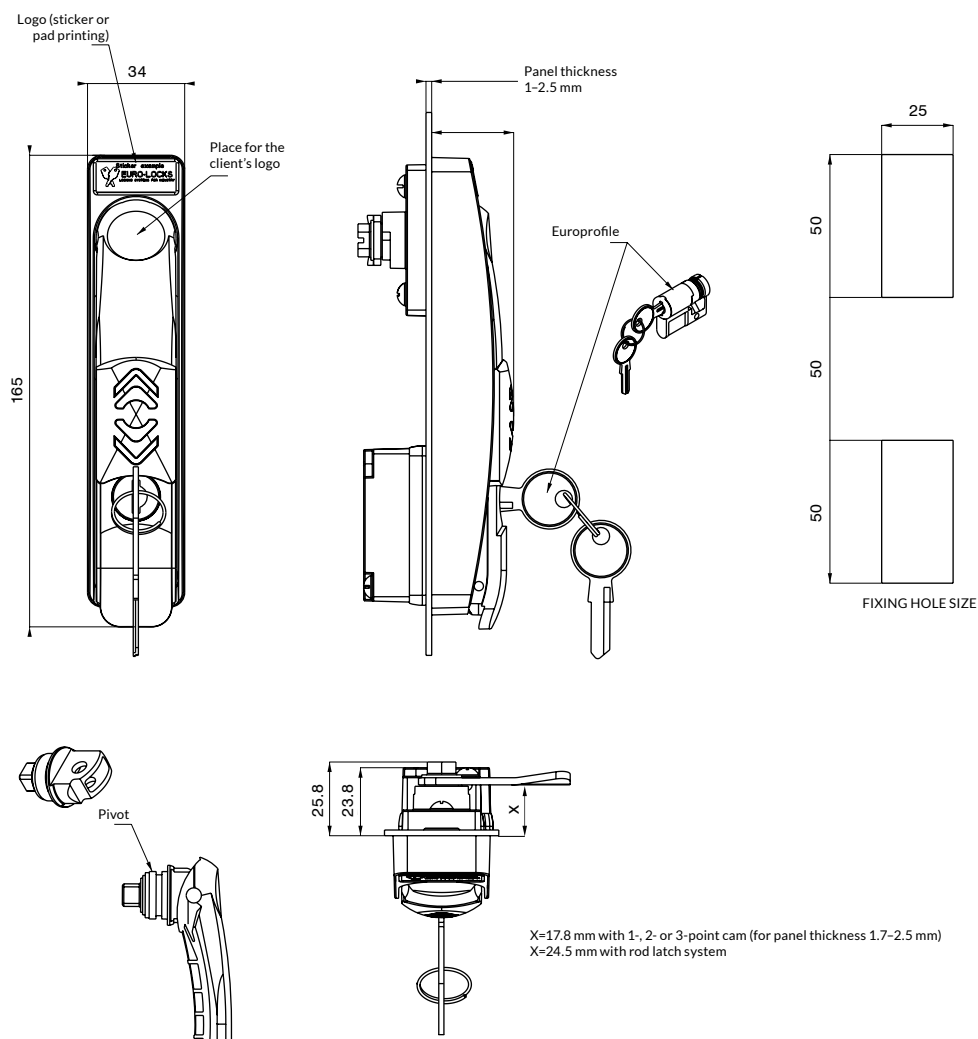
P829	Barrel shape
	Please write the key shape: ETM8, DB3, CM6 or other

EXAMPLE: P829 – TM8

- Material: ZAMAK
- Finish: zinc plated
- Europrofile cylinder for spanner key
- Fixing: screw M5 (included)



H826 SWINGHANDLE



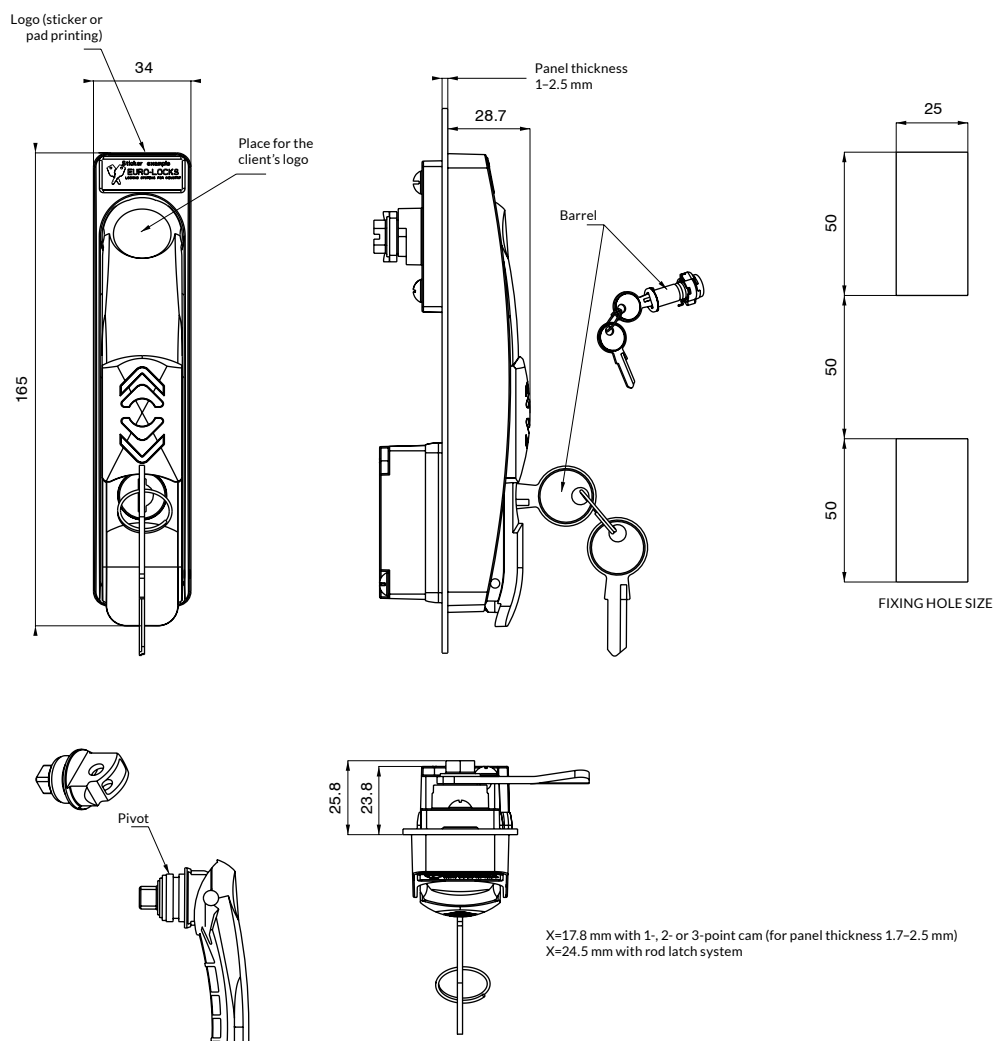
H826	IP65	Panel thickness	Pivot	Material	Colour	Sticker with logo
0	NO	1 1-1.5 mm	1 ZAMAK	1 PA6GF30	9005 Black - standard	0 Without logo
1	YES	2 1.51-2 mm	2 Brass *	2 PA6GF30 V0 *	RAL On request *	1 Sticker E-L
		3 2.01-2.5 mm				2 Client's logo
						3 Pad printing

EXAMPLE: H826 - 0 - 1 - 1 - 1 - 1 - 9005 - 1

- Custom made logo (sticker, pad printing or logo done during injection moulding phase) - on request only (please contact our office)
- Lock type euro-profile cylinder
- Sliding dust cover version

- Pop out function
- Available with 1-, 2-, 3-point cam or rod latch system
- Europrofile cylinder not included in the set, it must be ordered separately
- * Available on request only (please contact with office)

H827 SWINGHANDLE



H827	—	IP65	—	Panel thickness	—	Pivot	—	Material	—	Colour	—	Sticker with logo
		0 NO		1 1-1.5 mm		1 ZAMAK		1 PA6GF30		9005 Black - standard		0 Without logo
		1 YES		2 1.51-2 mm		2 Brass *		2 PA6GF30 V0 *		RAL On request *		1 Sticker E-L
				3 2.01-2.5 mm								2 Client's logo
												3 Pad printing

—	Locking type	—	Key's quantity	—	Key's variant
1	Lock without key		Please write the quantity of the keys, standard 2 pcs		KTP One code (possibility to choose with one of the following codes) ** 1333, 2433A, 1242E, 405, 455, 9081
2	Lock with key only				KTD Different codes (key's series: R, 9000, 9000M***)

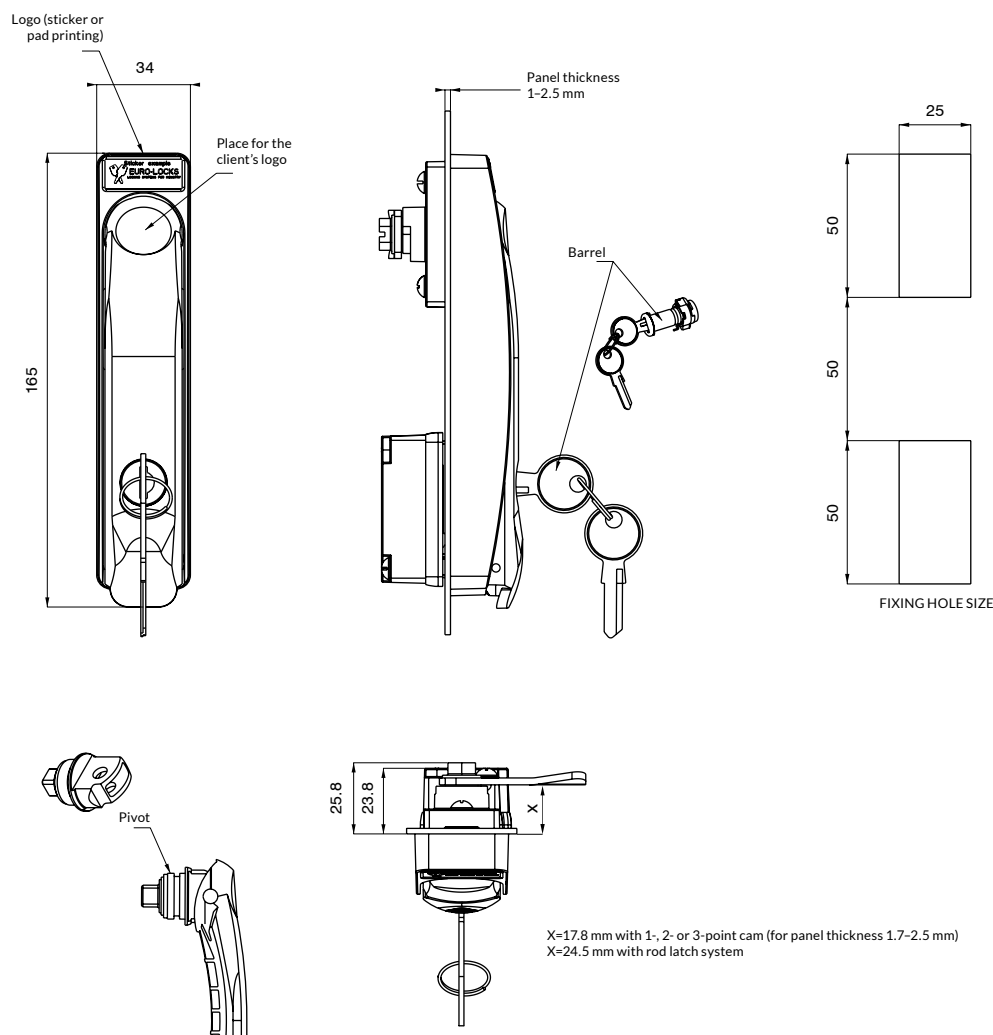
EXAMPLE: H827 - 0 - 1 - 1 - 1 - 9005 - 1 - 1 - 2 - KTP 1333

- Custom made logo (sticker, pad printing or logo done during injection moulding phase) - on request only (please contact our office)
- Locking type: barrel
- Sliding dust cover version

- Pop out function
- Available with 1-, 2-, 3-point cam or rod latch system
- * Available on request only (please contact with office)
- ** Please define the exact key code for each lock when ordering
- *** "Master" Key System available only for 9000M series



H829 SWINGHANDLE



H829	IP65	Panel thickness	Pivot	Material	Colour	Sticker with logo
	0 NO	1 1-1.5 mm	1 ZAMAK	1 PA6GF30	9005 Black - standard	0 Without logo
		2 1.51-2 mm	2 Brass *	2 PA6GF30 V0 *	RAL On request *	1 Sticker E-L
		3 2.01-2.5 mm				2 Client's logo
						3 Pad printing

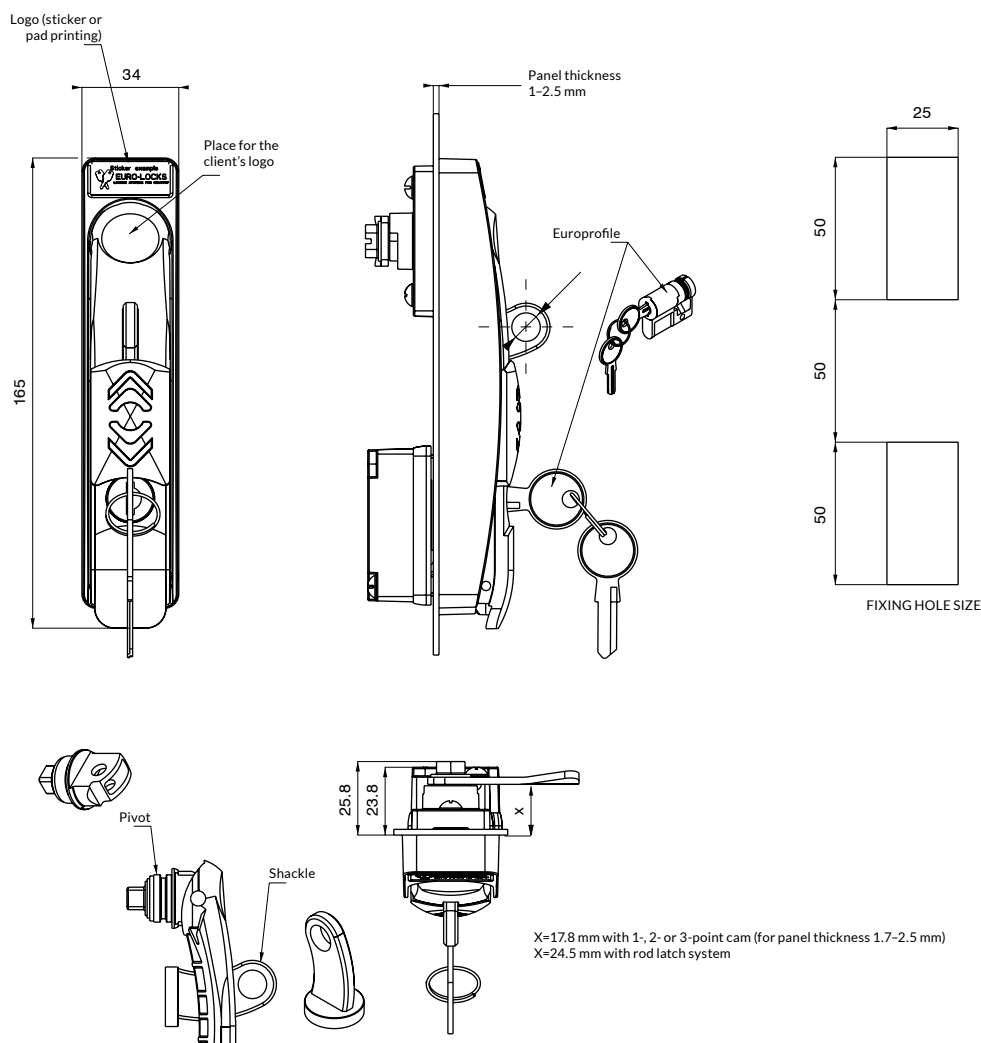
Locking type	Key's quantity	Key's variant
1 Lock without key	Please write the quantity of the keys, standard 2 pcs	KTP One code (possibility to choose with one of the following codes) ** 1333, 2433A, 1242E, 405, 455, 9081
2 Lock with key only		KTD Different codes (key's series: R, 9000, 9000M ***)

EXAMPLE: H829 - 0 - 1 - 1 - 1 - 9005 - 1 - 1 - 2 - KTP 1333

- Custom made logo (sticker, pad printing or logo done during injection moulding phase) - on request only (please contact our office)
- Locking type: barrel
- Pop out function

- Available with 1-, 2-, 3-point cam or rod latch system
- * Available on request only (please contact with office)
- ** Please define the exact key code for each lock when ordering
- *** "Master" Key System available only for 9000M ***

H828 SWINGHANDLE



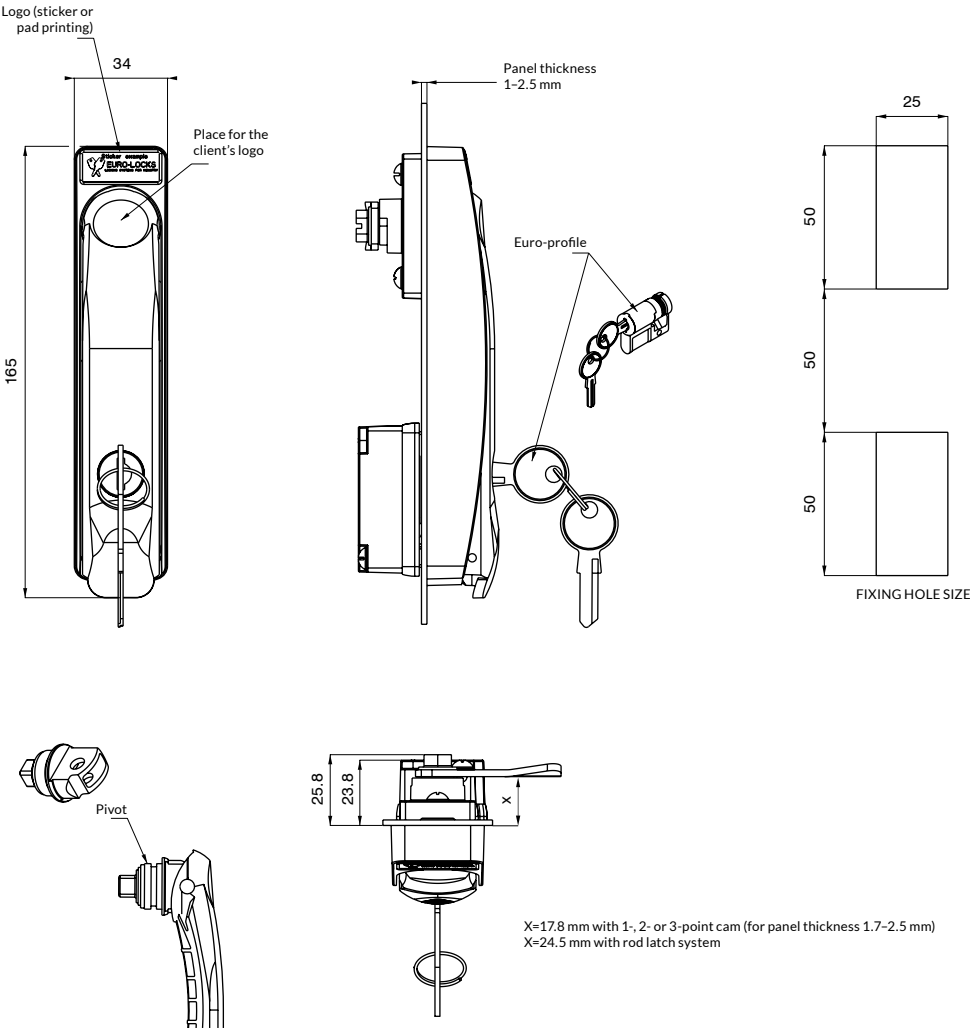
H828	—	IP		—	Panel thickness		—	Pivot		—	Material		—	Colour		—	Sticker with logo	
		0	NO		1	1-1.5 mm		1	ZAMAK		1	PA6GF30		9005	Black – standard		0	Without logo
		1	IP 65		2	1.51-2 mm		2	Brass *		2	PA6GF30 V0 *		RAL	On request *		1	Sticker E-L
		2	IP 54		3	2.01-2.5 mm											2	Client's logo
																	3	Pad printing

EXAMPLE: H828 – 0 – 1 – 1 – 1 – 9005 – 1

- Prepared for additional locking by padlock
- Shackle's diameter: max. 10 mm
- Custom made logo (sticker, pad printing or logo done during injection moulding phase) – on request only (please contact our office)
- Lock type euro-profile cylinder
- Sliding dust cover version
- Pop out function
- Available with 1-, 2-, 3-point cam or rod latch system
- Europrofile cylinder not included in the set, it must be ordered separately
- * Available on request only (please contact with office)



H830 SWINGHANDLE

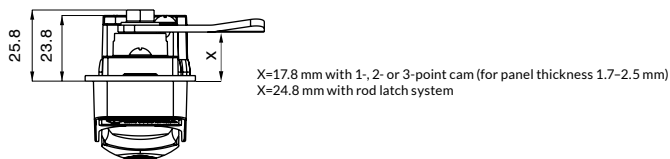
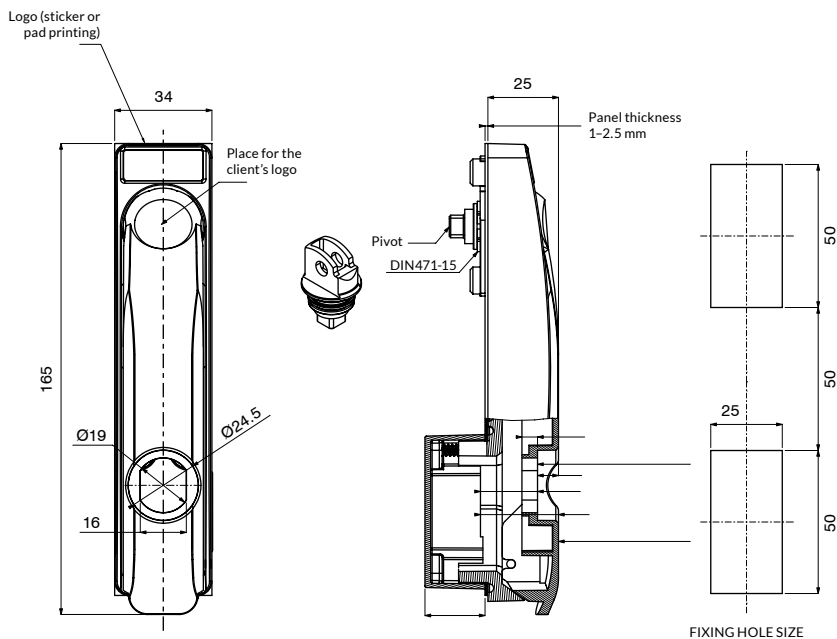


H830	IP65		Panel thickness		Pivot		Material		Colour		Sticker with logo	
	0	NO	1	1-1.5 mm	1	ZAMAK	1	PA6GF30	9005	Black - standard	0	Without logo
			2	1.51-2 mm	2	Brass *	2	PA6GF30 V0 *	RAL	On request *	1	Sticker E-L
			3	2.01-2.5 mm							2	Client's logo
											3	Pad printing

EXAMPLE: H830 – 0 – 1 – 1 – 1 – 9005 – 1

- Custom made logo (sticker, pad printing or logo done during injection moulding phase) – on request only (please contact our office)
 - Lock type euro-profile cylinder
 - Pop out function
- Available with 1-, 2-, 3-point cam or rod latch system
 - Europrofile cylinder not included in the set, it must be ordered separately
 - * Available on request only (please contact with office)

H822 SWINGHANDLE



APPLICATION EXAMPLES



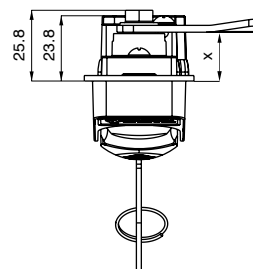
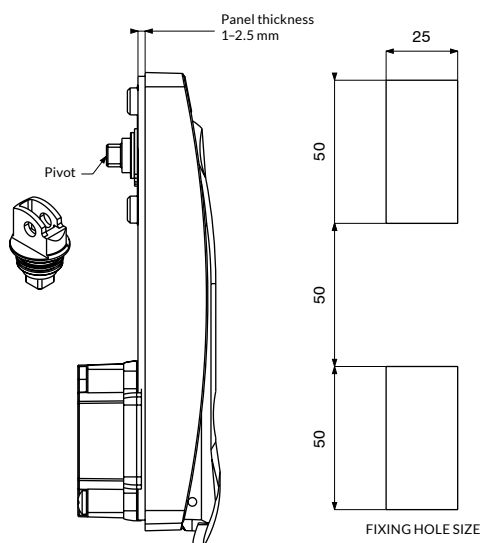
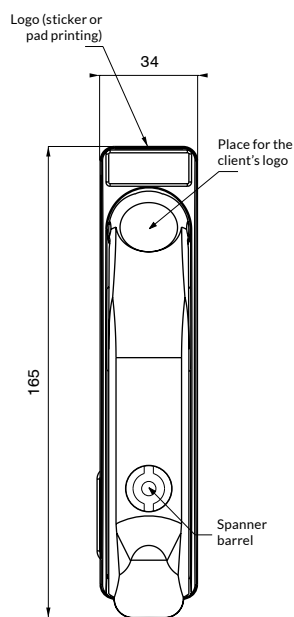
H822	—	IP65	—	Panel thickness	—	Pivot	—	Material	—	Colour	—	Sticker with logo
		0 NO		1 1-1.5 mm		1 ZAMAK		1 PA6GF30		9005 Black - standard		0 Without logo
		1 YES		2 1.51-2 mm		2 Brass *		2 PA6GF30 V0 *		RAL On request *		1 Sticker E-L
				3 2.01-2.5 mm								2 Client's logo
												3 Pad printing

EXAMPLE: H822 - 0 - 1 - 1 - 1 - 9005 - 1

- Custom made logo (sticker, pad printing or logo done during injection moulding phase) – on request only (please contact our office)
- Lock type euro-profile cylinder
- Pop out function
- Available with 1-, 2-, 3-point cam or rod latch system

- For fixing holes Ø 19.1/16.1 mm solutions, recommended to use dedicated cam
- Locking type: camlock, latchlock, mechanical or electronic combination locks for Ø 19.1/16.1 mm fixing hole
- * Available on request only (please contact with office)

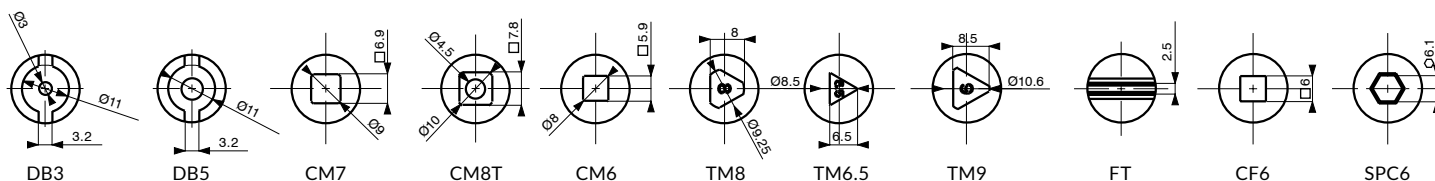
H812 SWINGHANDLE WITH SPANNER BARREL



X=17.8 mm with 1-, 2- or 3-point cam
(for panel thickness 1.7-2.5 mm)
X=24.5 mm with rod latch system



Available barrel shapes



H812	IP65	Panel thickness	Pivot	Material	Colour	Sticker with logo
0	NO	1 1-1.5 mm	1 ZAMAK	1 PA6GF30	9005 Black - standard	0 Without logo
1	YES	2 1.51-2 mm	2 Brass *	2 PA6GF30 V0 *	RAL On request *	1 Sticker E-L
		3 2.01-2.5 mm				2 Client's logo
						3 Pad printing

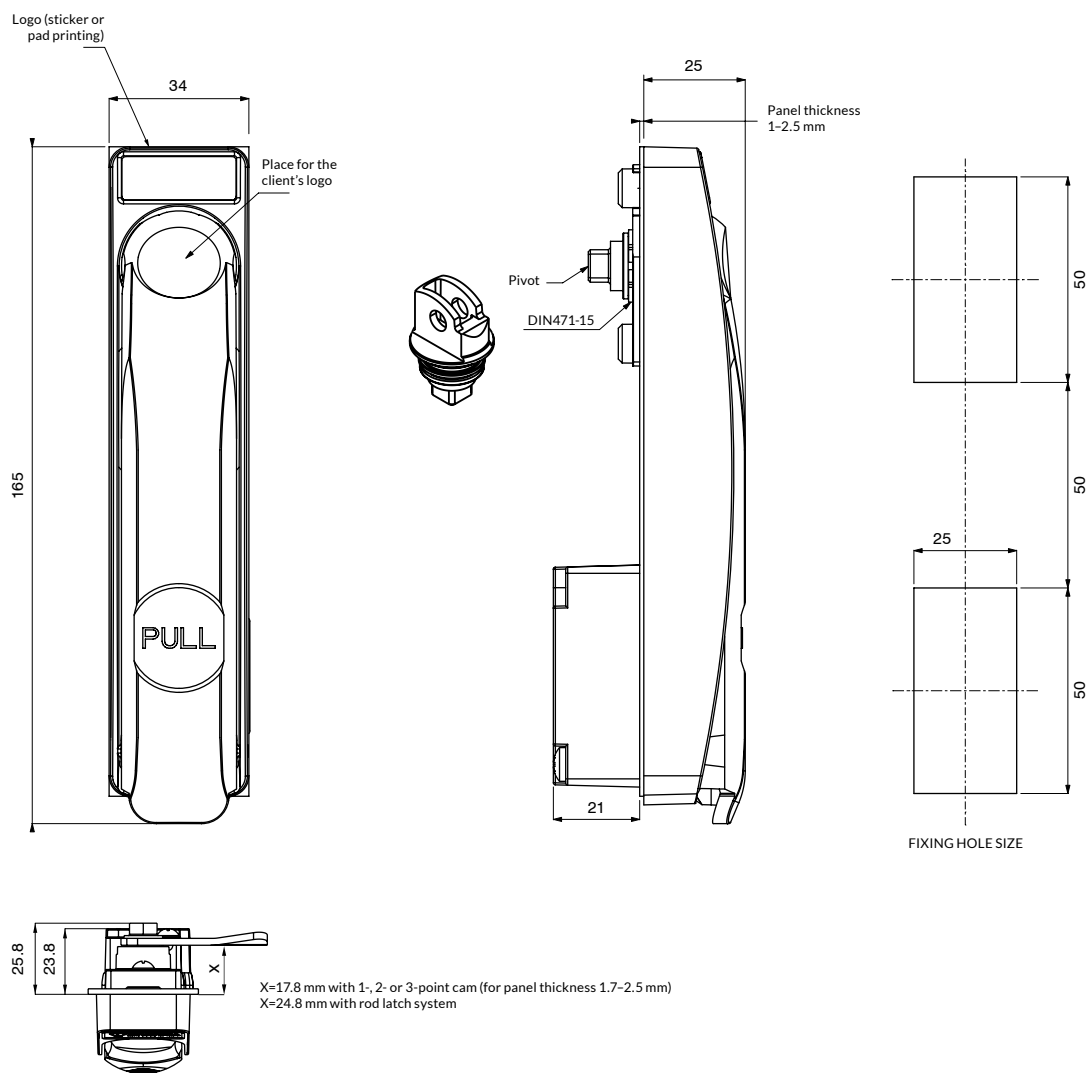
Locking type	Type of spanner barrel	Shapped barrel finish
1 Lock without key	DB3 TM6.5	2A Chrome plated
2 Lock with key only	DB5 TM9	6A Zinc plated
	CM7 FT	7B Nickel plated
	CM8T CF6	8H KTL
	CM6 SPC6	
	TM8	

EXAMPLE: H812 - 0 - 1 - 1 - 1 - 9005 - 1 - 1 - DB3 - 2A

- Custom made logo (sticker, pad printing or logo done during injection moulding phase) - on request only (please contact our office)
- Locking type: spanner barrel
- Pop out function
- Available with 1-, 2-, 3-point cam or rod latch system
- * Available on request only (please contact with office)



H823 SWINGHANDLE



H823	IP65	Panel thickness	Pivot	Material	Colour	Sticker with logo
0	NO	1 1-1.5 mm	1 ZAMAK	1 PA6GF30	9005 Black - standard	0 Without logo
1	YES	2 1.51-2 mm	2 Brass *	2 PA6GF30 V0 *	RAL On request *	1 Sticker E-L
		3 2.01-2.5 mm				2 Client's logo
						3 Pad printing

EXAMPLE: H822 - 0 - 1 - 1 - 1 - 9005 - 1

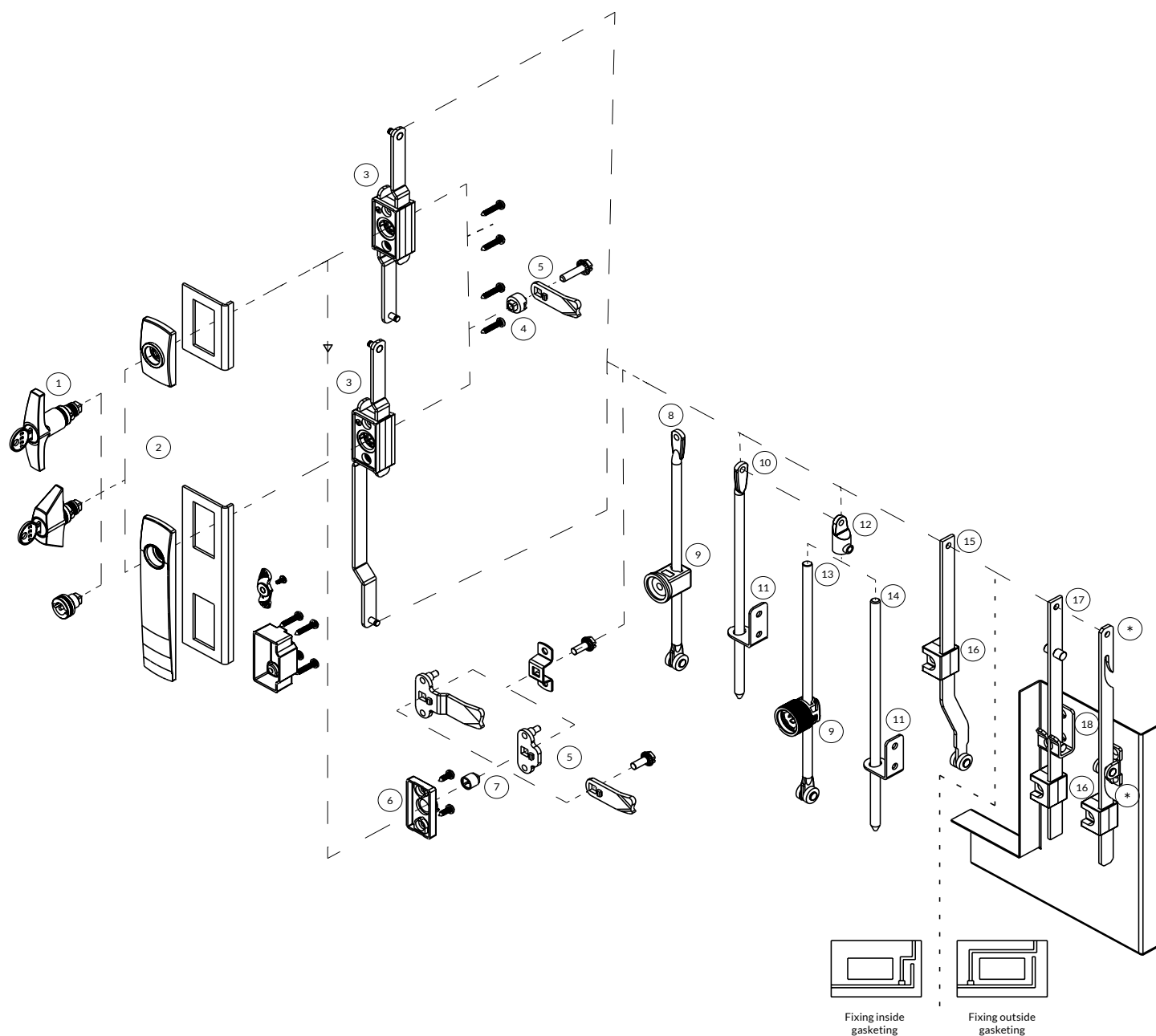


- Custom made logo (sticker, pad printing or logo done during injection moulding phase) - on request only (please contact our office)
- Lock type euro-profile cylinder
- Pop out function

- Locking type: pull to open, push to close
- Available with 1-, 2-, 3-point cam or rod latch system
- * Available on request only (please contact with office)

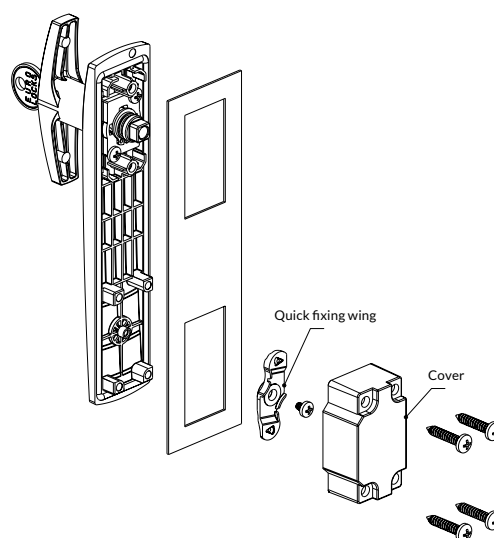
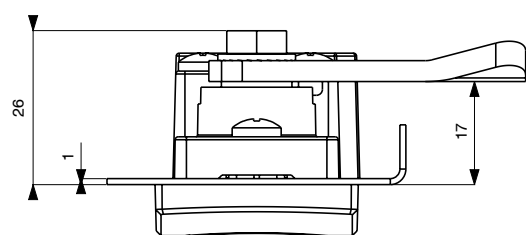
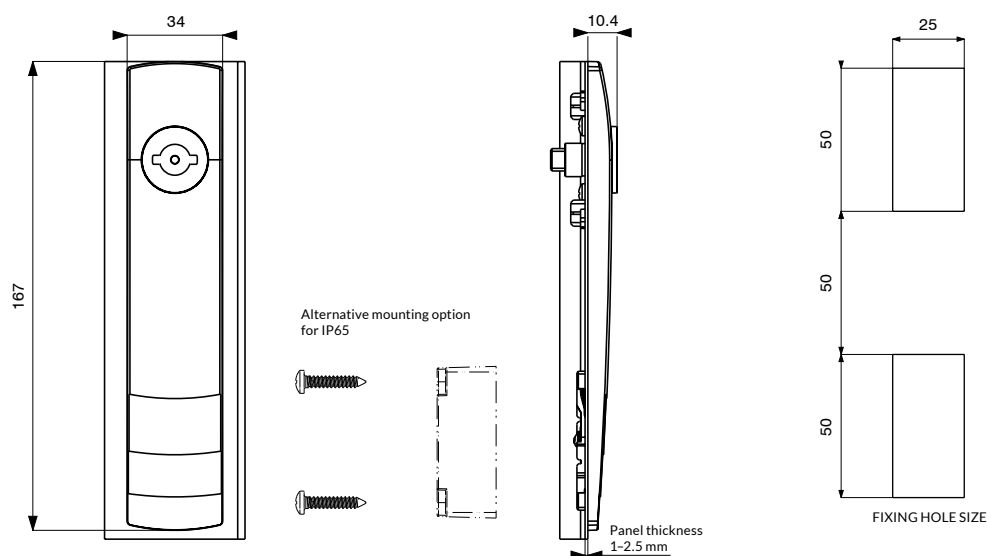


PROGRAM 50×50×50 and 50×25



Ref.	Symbol	Description	Page
1, 2	H808, H807, H805, H802, H405, H407	Escutcheons with spanner barrel, T-handle, W-handle	14-18
3, 4, 6, 7	W101, W198, P3152, P3150, P3149	Accessories for escutcheons	19-21
5	1, 2, 3-point cams	Cams	22-23
8, 10, 13, 14, 15, 17	PR10, PR11, PR3803, PR3612, PR3811, PR3801, PR3813, PR2	Rods	24-26
9, 11, 12, 16, 18	W108-X, W109-X, W178, W102, W187, W147	Accessories for rods	27-29

H807 ESCUTCHEON WITH SPANNER BARREL



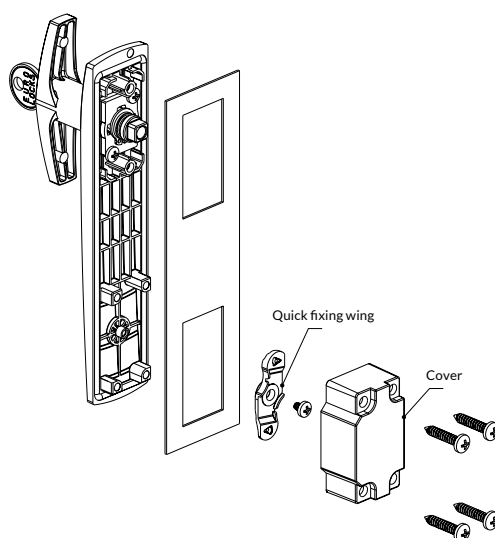
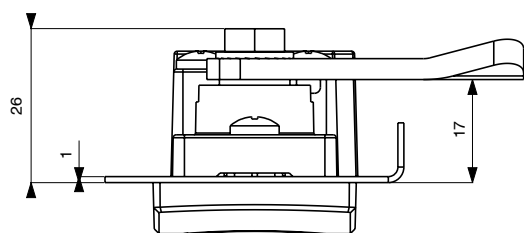
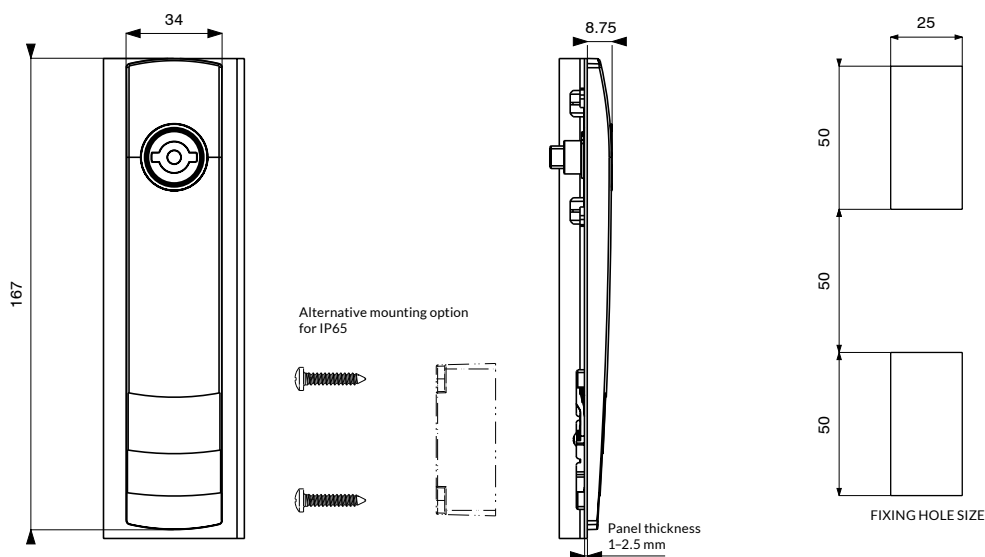
H807	IP65	Panel thickness	Type of spanner barrel	Barrel material	Barrel finish	Escutcheon's material	Escutcheon's colour	Pad printing logo
0	NO	10 min. 1,0 mm	1 DB5	ZB ZnAl	6L Zinc plated	1 PA6GF30	9005 Black - standard	0 With logo
1	YES	11 1,1 mm		PC PA6GF15	7B Nickel plated	2 PA6GF30 V0 *	RAL On request *	1 E-L logo
		12 1,2 mm			00 None			2 Client's logo *
		- -						
		25 max. 2,5 mm						

EXAMPLE: H807 - 1 - 10 - 1ZB7B - 19005 - 0

- Custom pad printed logo - on request only (please contact our office)
- Locking type: spanner barrel
- Available with 1-, 2-, 3-point cam or rod latch
- Key extraction is possible only when lock is closed
- IP65 only with cover
- * Available on request only (please contact with office)



H808 ESCUTCHEON WITH SPANNER BARREL

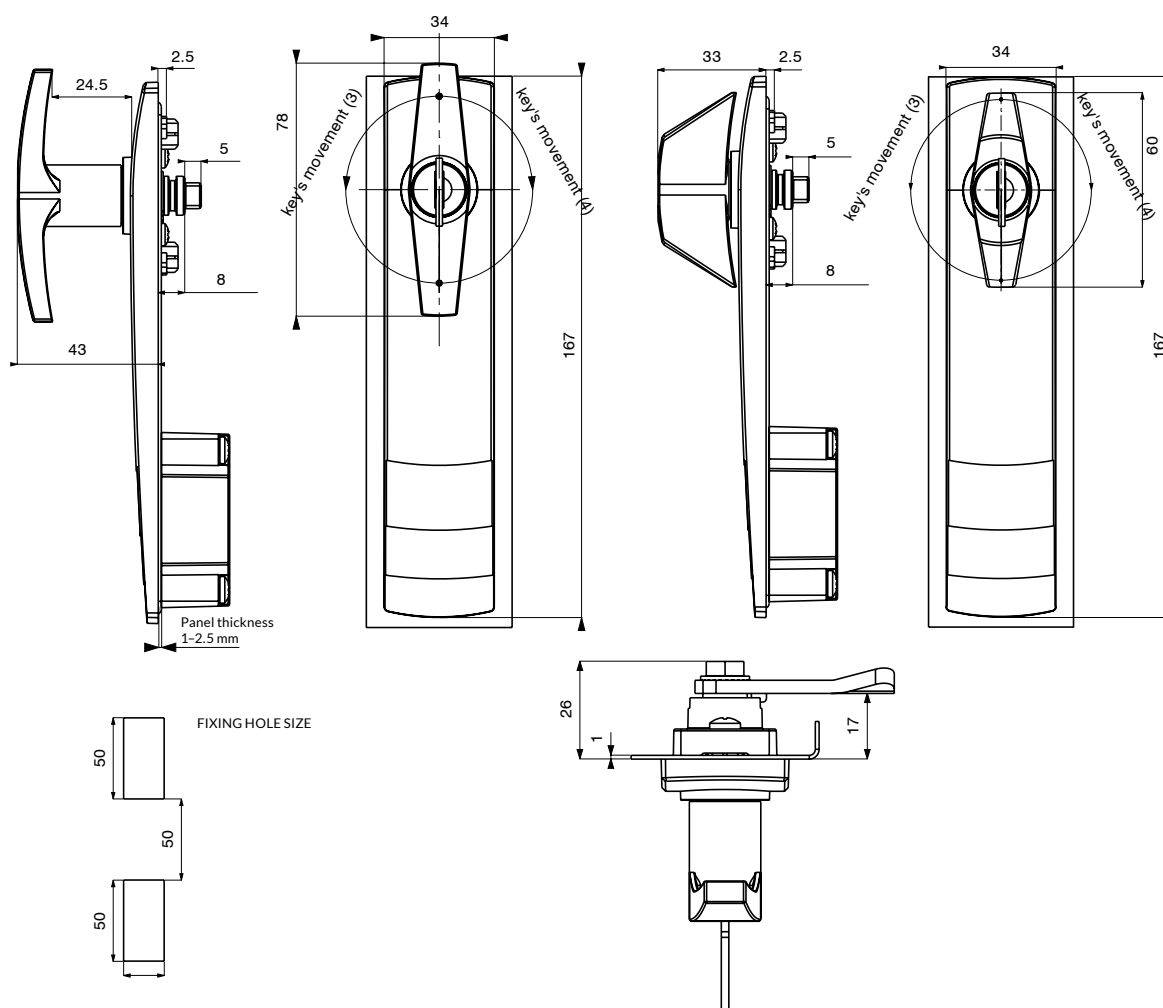


H808	IP65	Panel thickness	Type of spanner barrel	Barrel material	Barrel finish	Escutcheon's material	Escutcheon's colour	Pad printing logo
0	NO	10 min. 1,0 mm	1 DB5	ZB ZnAl	6L Zinc plated	1 PA6GF30	9005 Black - standard	0 With logo
1	YES	11 1,1 mm	3 TM8	PC PA6GF15	7B Nickel plated	2 PA6GF30 V0 *	RAL On request *	1 E-L logo
		12 1,2 mm			00 None			2 Client's logo *
		- -						
		25 max. 2,5 mm						

EXAMPLE: H808 – 1 – 10 – 1ZB7B – 19005 – 0

- Custom pad printed logo - on request only (please contact our office)
- Locking type: spanner barrel
- Available with 1-, 2-, 3-point cam or rod latch
- IP65 only with cover
- * Available on request only (please contact with office)

H407 ESCUTCHEON WITH T AND W-HANDLE



H407	IP65	Panel thickness	Type of handle	Handle finish	Escutcheon's material	Escutcheon's colour
0	NO	10 min. 1,0 mm	1 T-handle	1B Powder coating	1 PA6GF30	9005 Black - standard
1	YES	11 1,1 mm	2 W-handle		2 PA6GF30 V0	RAL On request *
		12 1,2 mm	3 T-handle non locking			
		- -	4 W-handle non locking			
		25 max. 2,5 mm				

Pad printing logo	Key's movement	Key's quantity	Key's variant
0 With logo	3 180° clockwise	0 Without keys	KTP XXXX
1 E-L logo	4 180° anticlockwise	1 One key	KTDR XXXX
2 Client's logo *		2 Two keys	

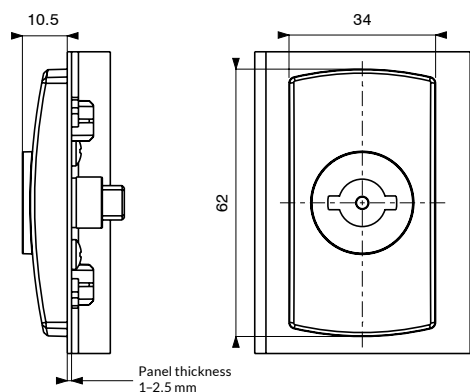
EXAMPLE:
H407 locking H407 - 1 - 10 - 11B - 19005 - 0 - 3 - 2 - KTDR

EXAMPLE:
H407 non locking H407 - 0 - 15 - 48H - 19005 - 1

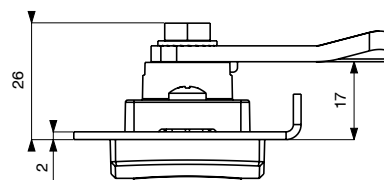
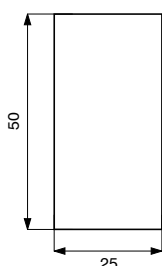
- Custom pad printed logo - on request only (please contact our office)
- Locking type: T-handle or W-handle
- Quantity of combination: 500 (R series)
- Available with 1-, 2-, 3-point cam or rod latch
- IP65 only with cover
- Handle with removable barrel, without IP65 - only for request
- * Available on request only (please contact with office)



H802 SHORT ESCUTCHEON WITH SPANNER BARREL



FIXING HOLE SIZE

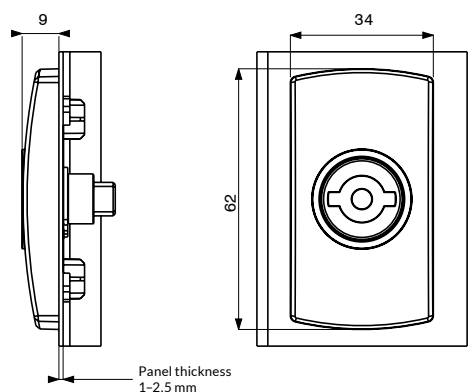


H802	IP66	Panel thickness	Type of spanner barrel	Barrel finish	Escutcheon's material	Escutcheon's colour	Pad printing logo
0	NO	10 min. 1,0 mm	DB5	8H KTL	1 PA6GF30	9005 Black - standard	0 With logo
2	YES	11 1,1 mm		6L Zinc plated	2 PA6GF30 V0	RAL On request *	1 E-L logo
		12 1,2 mm					2 Client's logo *
		- -					
		25 max. 2,5 mm					

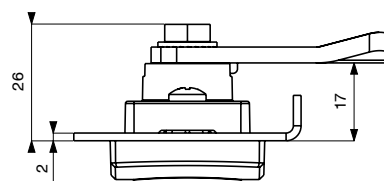
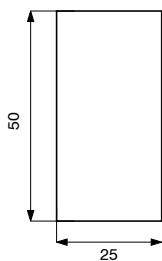
EXAMPLE: H802 - 2 - 10 - DB58H - 19005 - 0

- Custom pad printed logo - on request only (please contact our office)
- Locking type: spanner barrel
- Available with 1-, 2-, 3-point cam or rod latch
- Key extraction is possible only when lock is closed
- * Available on request only (please contact with office)

H805 SHORT ESCUTCHEON WITH SPANNER BARREL



FIXING HOLE SIZE

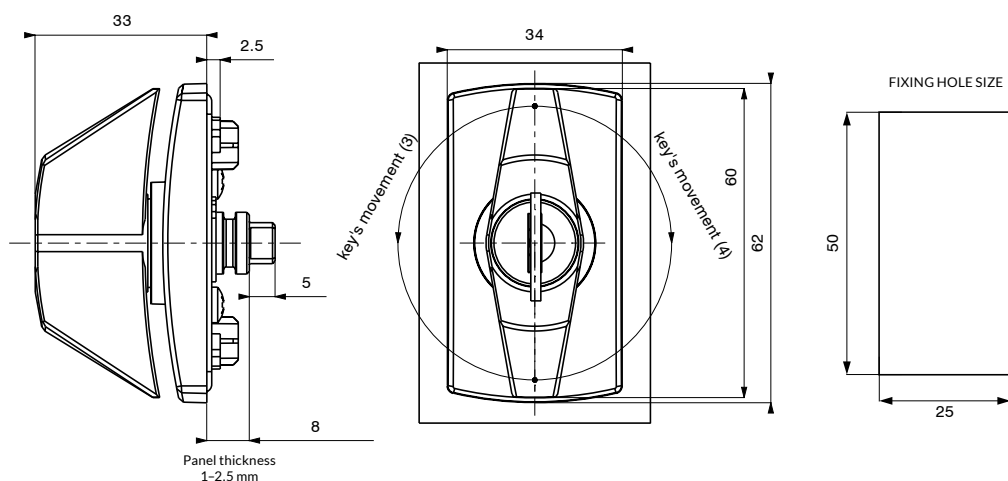
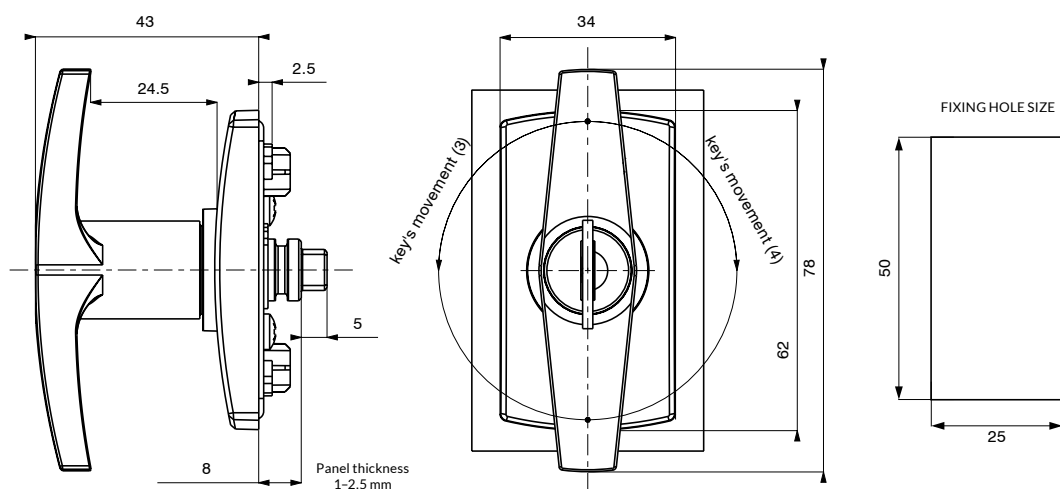


H805	IP66	Panel thickness	Type of spanner barrel	Barrel finish	Escutcheon's material	Escutcheon's colour	Pad printing logo
0	NO	10 min. 1,0 mm	DB5	8H KTL	1 PA6GF30	9005 Black - standard	0 With logo
2	YES	11 1,1 mm	TM8	6L Zinc plated	2 PA6GF30 V0	RAL On request *	1 E-L logo
		12 1,2 mm					2 Client's logo *
		- -					
		25 max. 2,5 mm					

EXAMPLE: H805 - 2 - 10 - DB58H - 19005 - 0

- Custom pad printed logo - on request only (please contact our office)
- Locking type: spanner barrel
- Available with 1-, 2-, 3-point cam or rod latch
- * Available on request only (please contact with office)

H405 SHORT ESCUTCHEON WITH T AND W-HANDLE



H405	IP65	Panel thickness	Type of handle	Handle finish	Escutcheon's material	Escutcheon's colour
0	NO	10 min. 1,0 mm	1 T-handle	1B Powder coating	1 PA6GF30	9005 Black - standard
1	YES	11 1,1 mm	2 W-handle		2 PA6GF30 V0	RAL On request *
		12 1,2 mm	3 T-handle non locking			
		- -	4 W-handle non locking			
		25 max. 2,5 mm				

Pad printing logo	Key's movement	Key's quantity	Key's variant
0 With logo	3 180° clockwise	0 Without keys	KTP XXXX
1 E-L logo	4 180° anticlockwise	1 One key	KTDR XXXX
2 Client's logo *		2 Two keys	

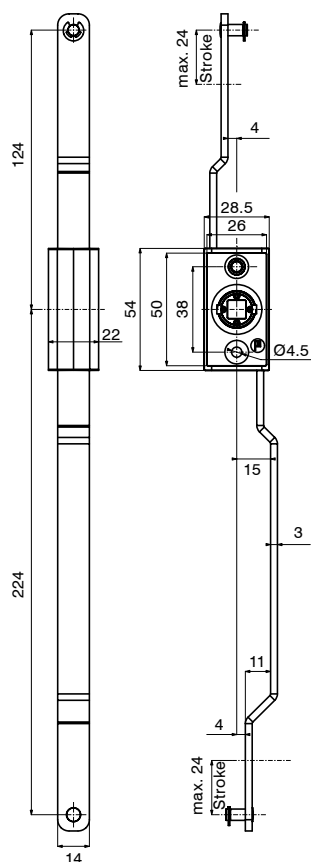
EXAMPLE:
H405 locking H405 – 1 – 10 – 11B – 19005 – 0 – 3 – 1 – KTP1333

EXAMPLE:
H405 non locking H405 – 0 – 15 – 48H – 19005 – 1

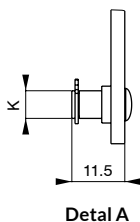
- Custom pad printed logo - on request only (please contact our office)
- Locking type: T-handle or W-Handle
- Quantity of combination: 500 (R series)
- Available with 1-, 2-, 3-point cam or rod latch
- Handle with removable barrel, without IP65 - only for request
- * Available on request only (please contact with office)



W101 ROD CONTROL



Stroke value	
angle	stroke [mm]
turn 135°	23
turn 90°	16



W101	K [mm]
1	Ø5
2	Ø6

ROD FASTENING METHODS

Circlips for shafts with groove

e-clip



Handle W250 is suitable for use in passive door

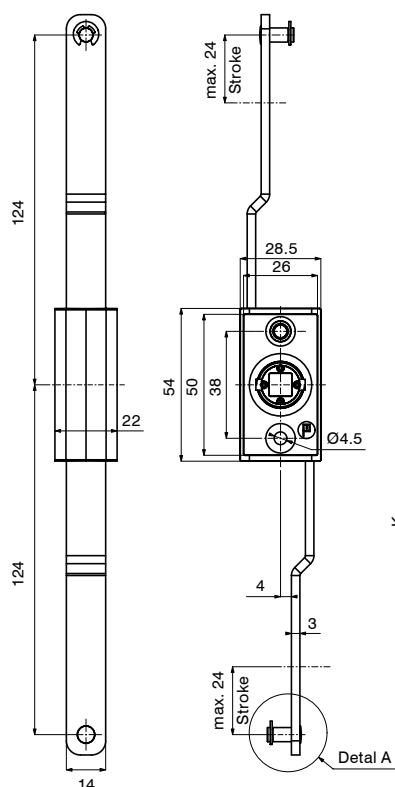
EXAMPLE: W101 – 1

- Rod control material: ZAMAK
- Rod control finish: zinc plated
- Rod material: steel
- Rod finish: zinc plated

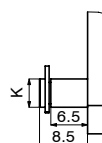


W198 & W238 ROD CONTROLS

W198



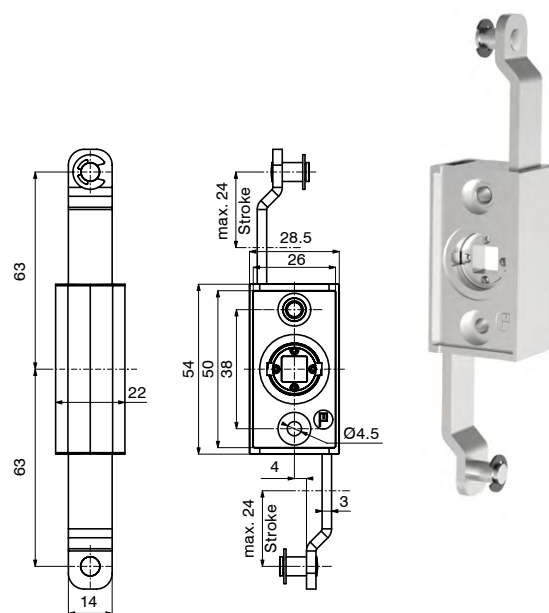
Detail A



Stroke value	
angle	stroke [mm]
turn 135°	23
turn 90°	16

W198 / W238	K [mm]
1	Ø5
2	Ø6

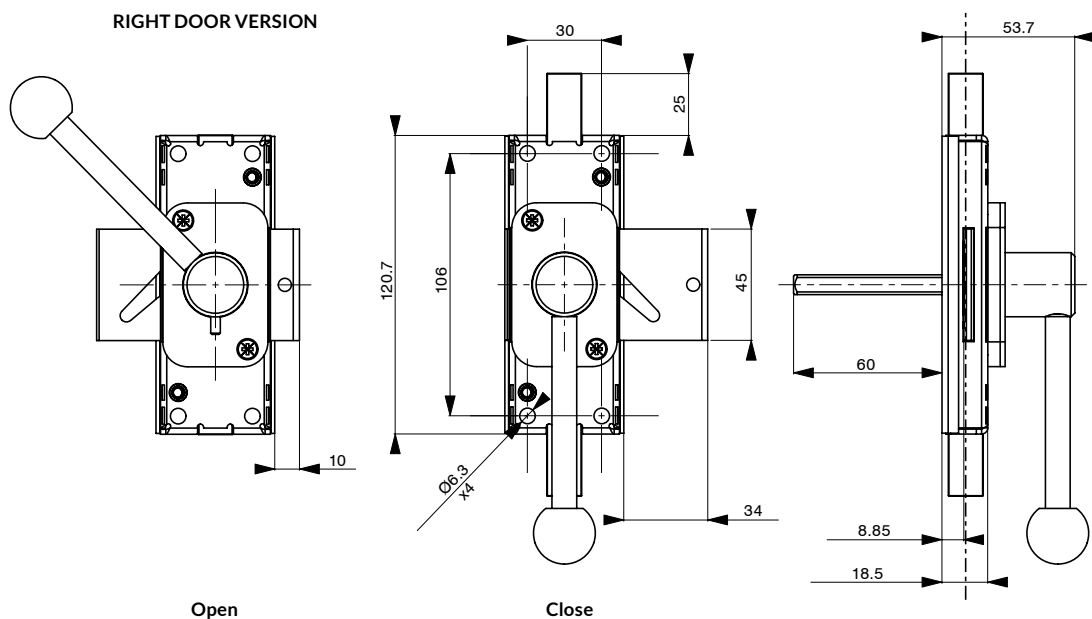
W238



EXAMPLE W198 – 2

W162 ANTI-PANIC LOCK

RIGHT DOOR VERSION



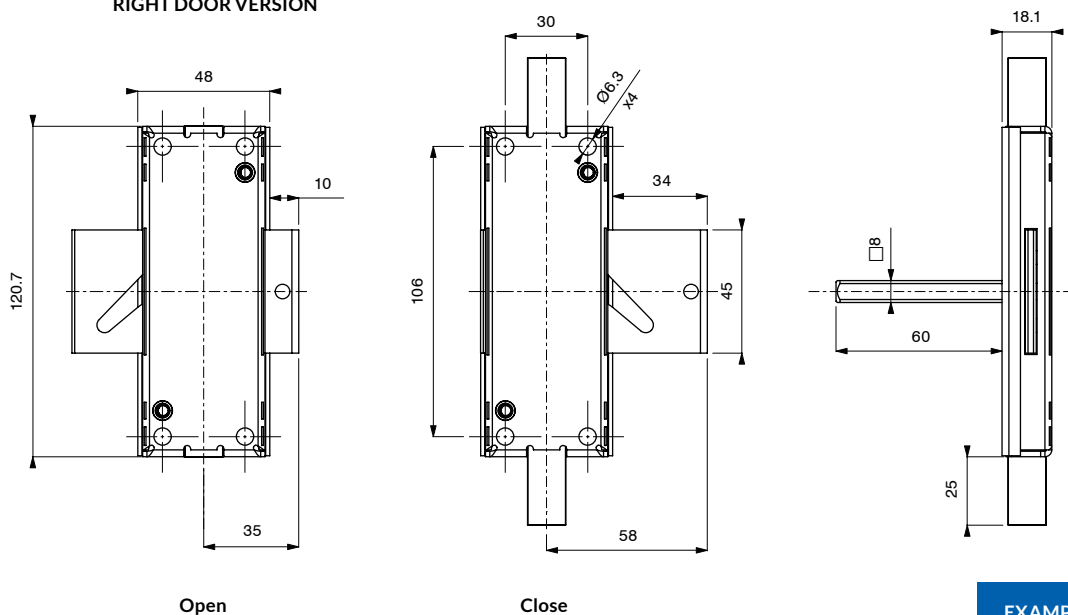
W162	Method of rod fixing	Door version
M8	for Ø8 mm threaded rod	R Right
M10	for Ø10 mm threaded rod	L Left
8S	Spring-loaded, for Ø8 threaded rod	
10S	Spring-loaded, for Ø10 threaded rod	

EXAMPLE W162 – 10S – R

- Material : steel
- Finish : zinc plated or powder coating
- Pin dedicated to the thickness of the customer's door panel
- In swing handle configuration, use is necessary female pivot (please contact the office)

W174 ROD CONTROL

RIGHT DOOR VERSION



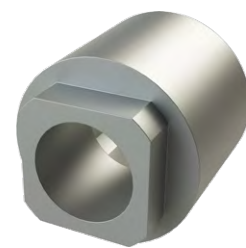
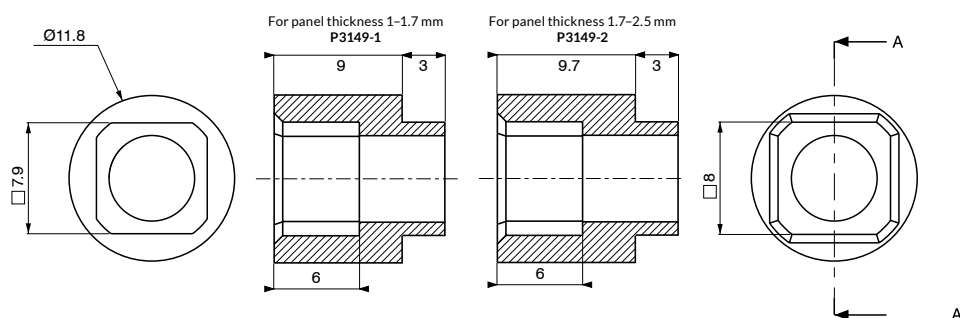
W174	Method of rod fixing	Door version
M8	for Ø8 mm threaded rod	R Right
M10	for Ø10 mm threaded rod	L Left

EXAMPLE W174 – M8 – R

- Material : steel
- Finish : zinc plated or powder coating
- Pin dedicated to the thickness of the customer's door panel
- In swing handle configuration, use is necessary female pivot (please contact the office)

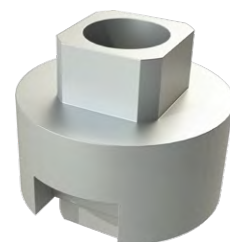
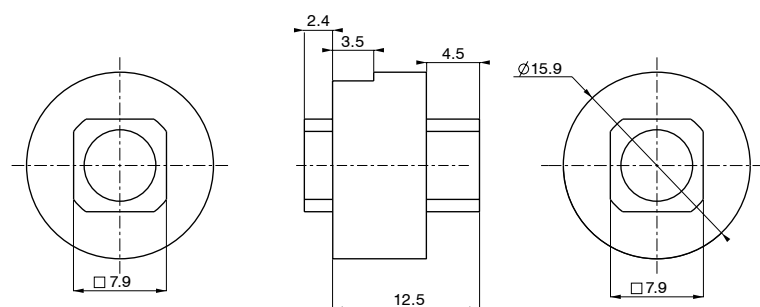


P3149 ADAPTER



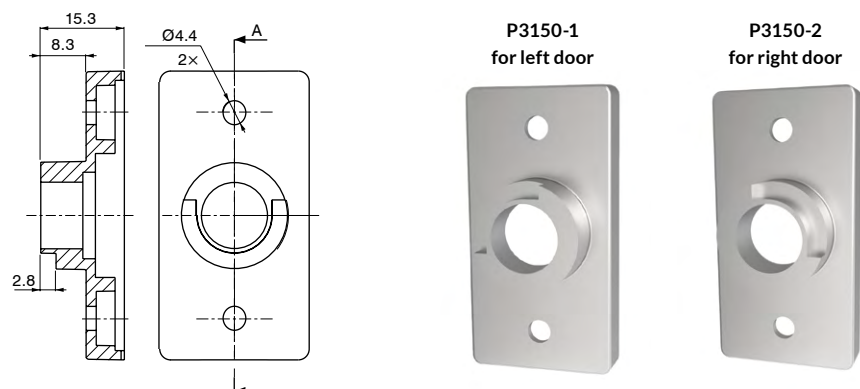
- Material: ZAMAK
- Finish: zinc plated
- Adapter used for handles equipped with 1-, 2- or 3-point cam

P3152 ADAPTER



- Material: ZAMAK
- Finish: zinc plated
- Adapter used for handles equipped with rod control and 1-point cam (optionally)

P3150 COVER

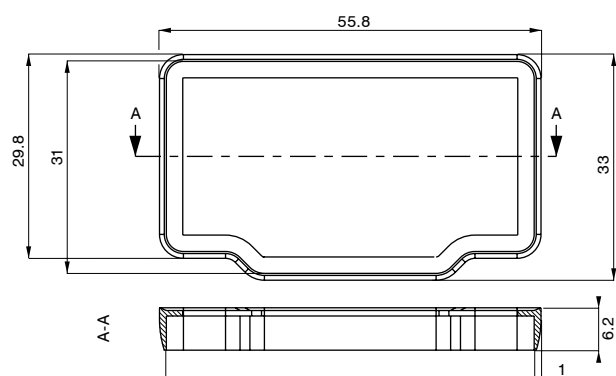


P3150-3



- Cover used with swinghandle and escutcheon for 1, 2 or 3 point cam
- Material: ZAMAK
- Finish: zinc plated

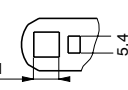
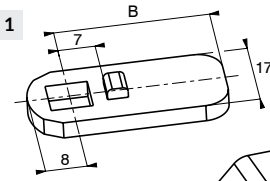
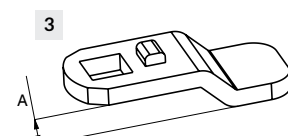
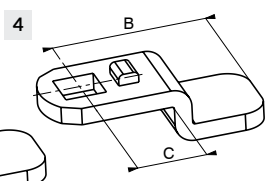
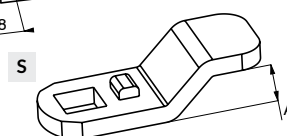
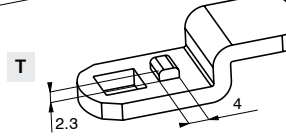
P9002 GASKET

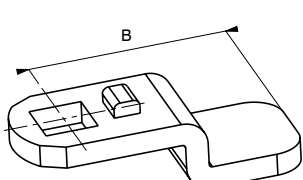
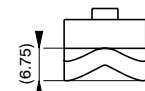
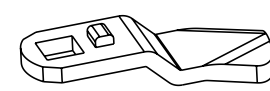
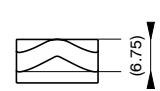
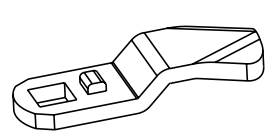


- Gasket used in swinghandles with IP
- Material: EPDM 70

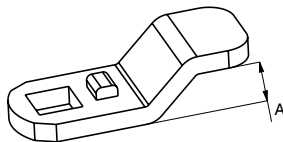
1-POINT CAMS



Fixing hole	Steel dimension [mm]	Type of crank
E 	7 17x3,5	1  3  4  S  T 

Size A Dim "A" expressed in 1/64 = 0.4 mm	Size B [mm]	Additional bending
00 FLAT		DB 
06 2.4 mm		
08 3.2 mm		DX 
12 4.8 mm		
14 5.6 mm		
16 6.4 mm		
18 7.2 mm		
20 8.0 mm		
24 9.5 mm		
26 10.4 mm		
32 12.7 mm		
64 25.4 mm		

Recommended angle 90°, A < 6 recommended angle 45°



ATTENTION:

45° CRANK: min. B = 34 mm without DB DX
min. B = 40 mm with DB DX

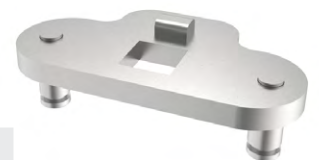
90° CRANK: min. B = 30 mm without DB DX
min. B = 37 mm with DB DX

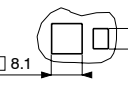
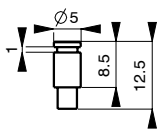
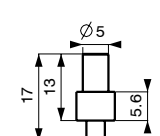
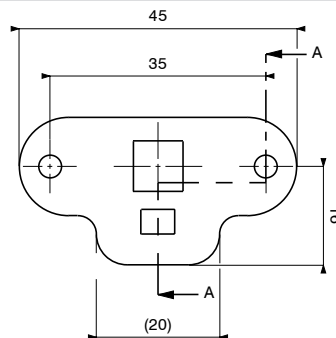
DX cam in configuration with rod control $C_{min} = 30$ mm

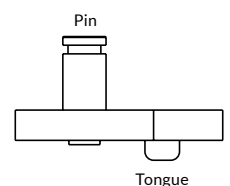
EXAMPLE: E - 7 - 4 - 20 - 45 - DB

- Material: steel, AISI304 *, AISI316 *
- Finish: zinc plated
- * Please contact with office

2-POINTS CAM



Fixing hole	Pin specification	Shape
E 	B  E 	



EXAMPLE: E - B - 1

- Material: steel, AISI304 *, AISI316 *
- Finish: zinc plated
- * Please contact with office



3-POINTS CAMS



Fixing hole	Pin specification	Type of crank

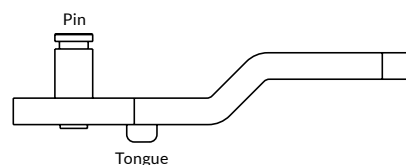
Size A Dim "A" expressed in 1/64 = 0.4 mm	Size B [mm]	Additional bending
00 FLAT		DB
06 2.4 mm		
08 3.2 mm		
12 4.8 mm		
14 5.6 mm		
16 6.4 mm		
18 7.2 mm		
20 8.0 mm		
24 9.5 mm		
26 10.4 mm		
32 12.7 mm		
64 25.4 mm		
Recommended angle 90°, A < 6 recommended angle 45°		DX

ATTENTION:

45° CRANK: min. B = 34 mm without DB DX
min. B = 40 mm with DB DX

90° CRANK: min. B = 30 mm without DB DX
min. B = 37 mm with DB DX

PIN'S ASSEMBLY OPPOSITE TO THE TONGUE



EXAMPLE: E – B – 1 – 00 – 45 – DB

ROD FASTENING METHODS

Cover plate

Circlips for shafts
with groove

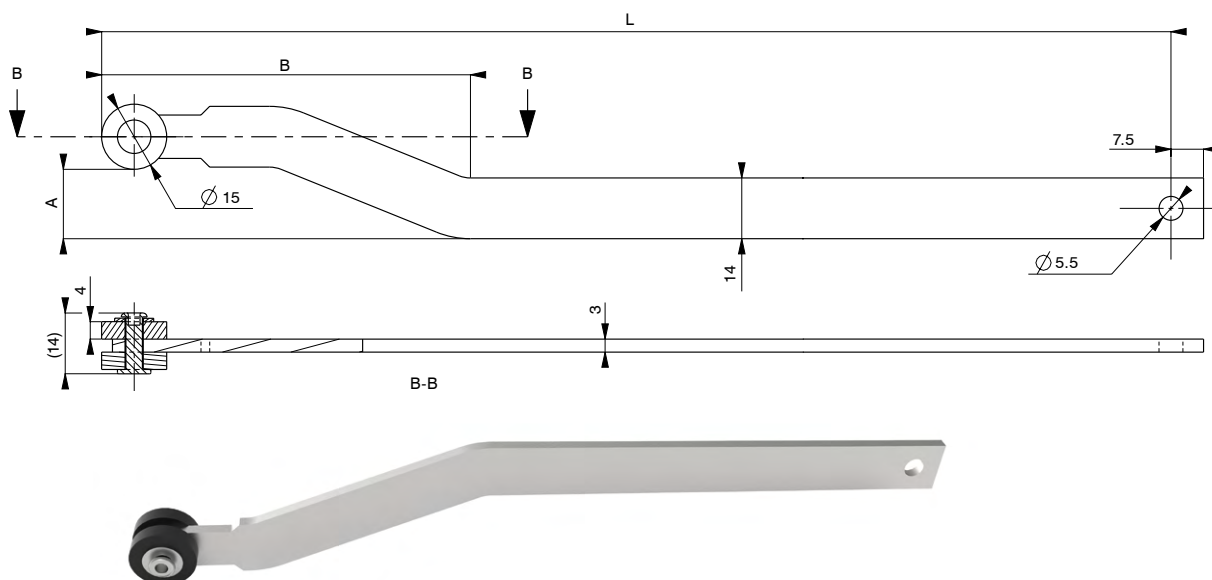
e-clip



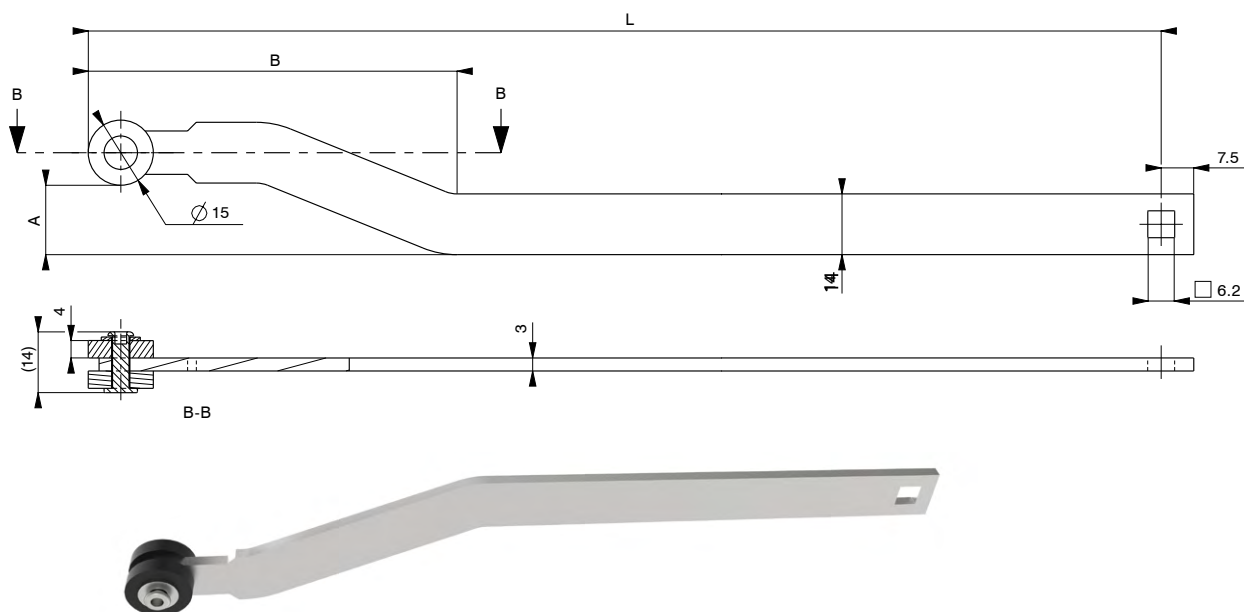
- Material: steel, AISI304*, AISI316*
- Finish: zinc plated
- * Please contact with office

PR1 RODS

PR10-A-B-L



PR11-A-B-L



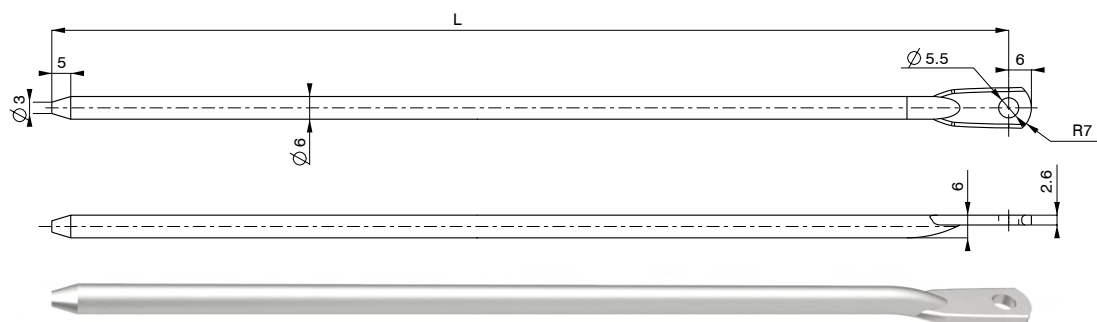
PR1	Beginning of the rod	A [mm]	B [mm]	L (length) [mm]
0	Round hole 5.5 mm	16	85	
1	Square hole 6.2 mm	21		
	Other *			

EXAMPLE: PR1 – 0 – 16 – 85 – 100

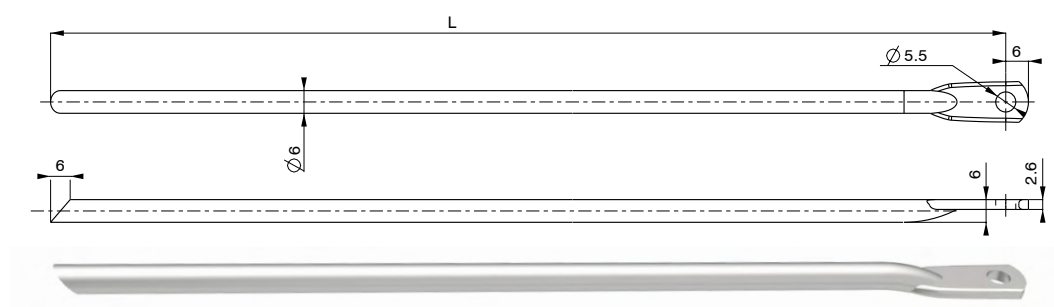
- Material: steel, AISI304 **, AISI316 **
- Finish: zinc plated
- * Other dimensions available on request (please contact with office)
- * Please contact with office



PR36 RODS



PR3611-L



PR3612-L

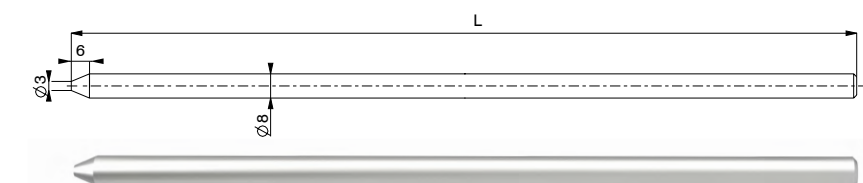
PR3	Diameter	Beginning of the rod	End of the rod	L (length) [mm]
	6	0 Cut for adapter	1 Cone	
		1 With eye Ø 5.5 mm	2 Cut 45°	

EXAMPLE:

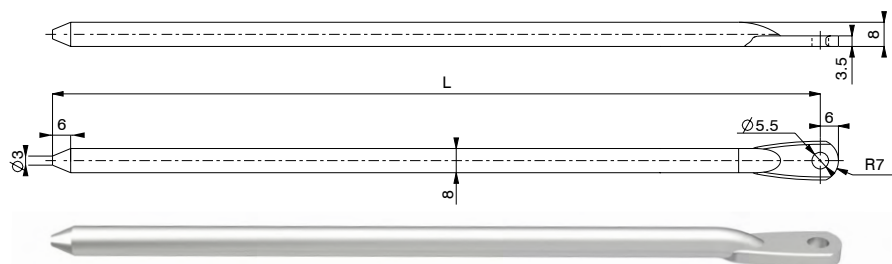
PR3 – 6 – 1 – 1 – 100

- Material: steel, AISI304 *, AISI316 *
- Finish: zinc plated
- * Please contact with the office

PR38 RODS



PR3801-L



PR3811-L

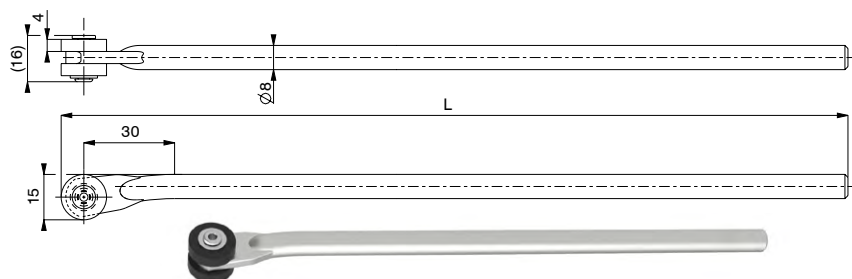
PR3	Diameter	Beginning of the rod	End of the rod	L (length) [mm]
	8	0 Cut for adapter	1 Cone	
		1 With eye Ø 5.5 mm		

EXAMPLE:

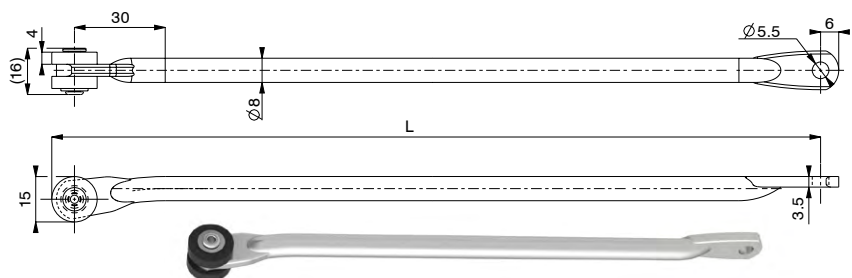
PR3 – 8 – 0 – 1 – 100

- Material: steel, AISI304 *, AISI316 *
- Finish: zinc plated
- * Please contact with the office

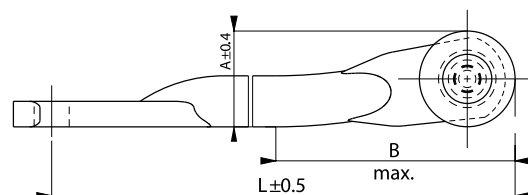
PR38 RODS WITH ROLLER



PR3803-A-B-L



PR3813-A-B-L

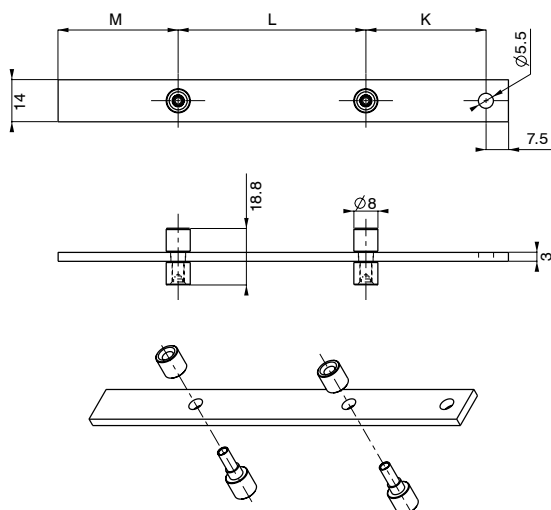


PR3	Diameter	Beginning of the rod	End of the rod	A [mm]	B [mm]	L (length) [mm]
	8	0 Cut for adapter	3 PA rollers - 15 mm	11.5	0	
		1 With eye Ø 5.5 mm		15	37	
				24	47	

EXAMPLE: PR3 - 8 - 0 - 3 - 15 - 37 - 100

- Material: steel, AISI304 *, AISI316 *
- Finish: zinc plated
- * Please contact with the office

PR2 RODS WITH PRESSURE ROLLERS



Recommended

Door height [mm]	M [mm] *	L [mm]	K [mm]
600-1200	75	126.5	-
1200-1600	75	276.5	-
1600-1900	75	425	101.5
1900-2000	75	525	101.5

* no choice of another value



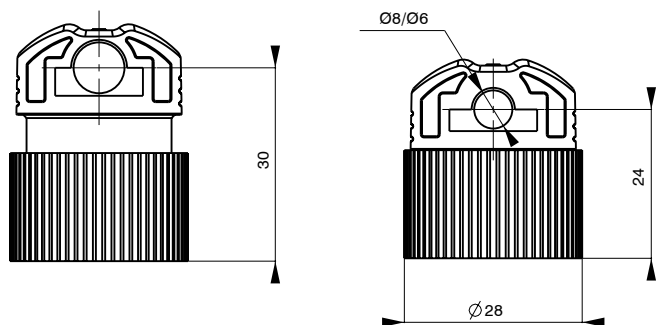
PR2	M [mm]	L [mm]	K [mm]
	Dimension between beginning of the rod and first roller axle	Dimension between axes of rollers	Dimension between roller and rod's fixing hole

EXAMPLE: PR2 - 75 - 425 - 100

- Please specify parameters M, L, K
- Material of rod: steel, AISI304 *, AISI316 *
- Finish of rod: zinc plated
- Material of roller: Brass
- The quantity of brass rollers can be changed on request (please contact with office)
- * Please contact with the office

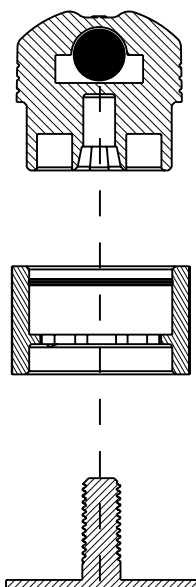
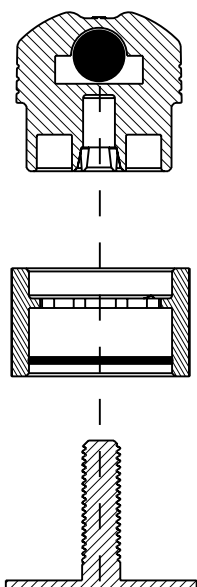


W147 ROD GUIDE



Dimension 30 mm

Dimension 24 mm



Mounting method

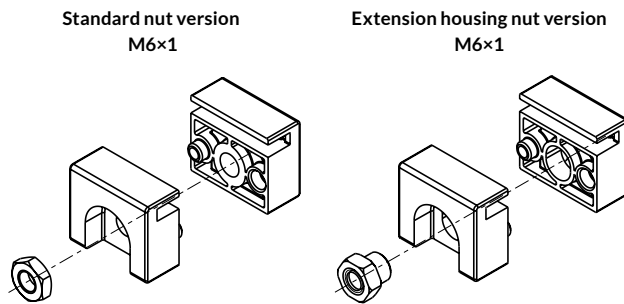
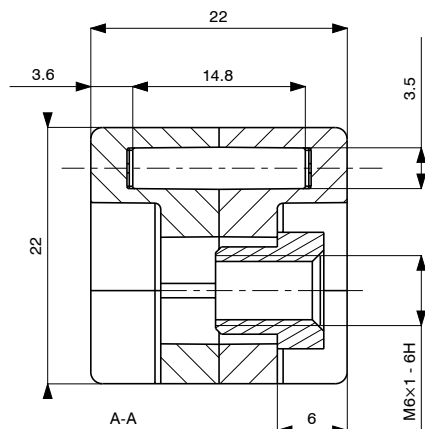


W147	Material	Colour	Rod diameter	
PB	PA6GF30	9005 Black	1	Ø 6
		7035 Grey	2	Ø 8
		Other RAL	On request *	

EXAMPLE: W147 – PB – 9005 – 2

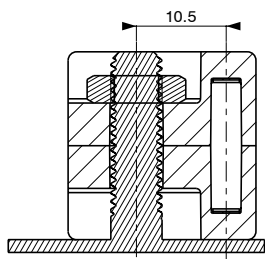
- Material: PA6GF30
- One solution for two different distances 24 or 30 mm thanks to the special adjusting ring
- Usable for weld studs M6 :
 - for distance 30 mm suggested length of studed bolt – 22 mm
 - for distance 24 mm suggested length of studed bolt – 16 mm
- Breaking strength: 160 kg
- For PR36 and PR38 rods
- * Available on request only (please contact with office)

W187 ROD GUIDE

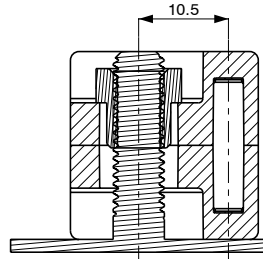


W187	Guide body	Material	Colour
1	With extension housing nut *	PF	9005 Black
2	With standard nut		Other RAL On request *

Mounting method with standard nut



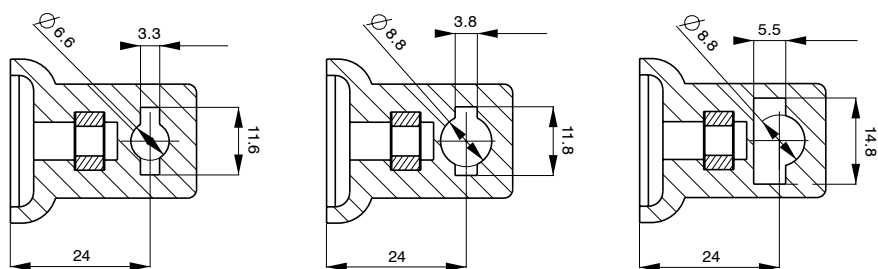
Mounting method with extension housing nut



EXAMPLE: W187 – 1- PF – 9005

- Material: PA6GF30
- For PR1 and PR2 rods only
- * Nut M6 included in the set

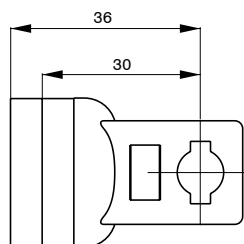
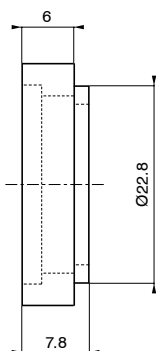
W108 ROD GUIDE



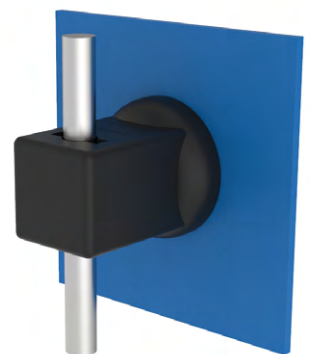
W108-1

W108-2

W108-3



Additional distance washer W104 can be used to increase distance between door and rod's centre axis

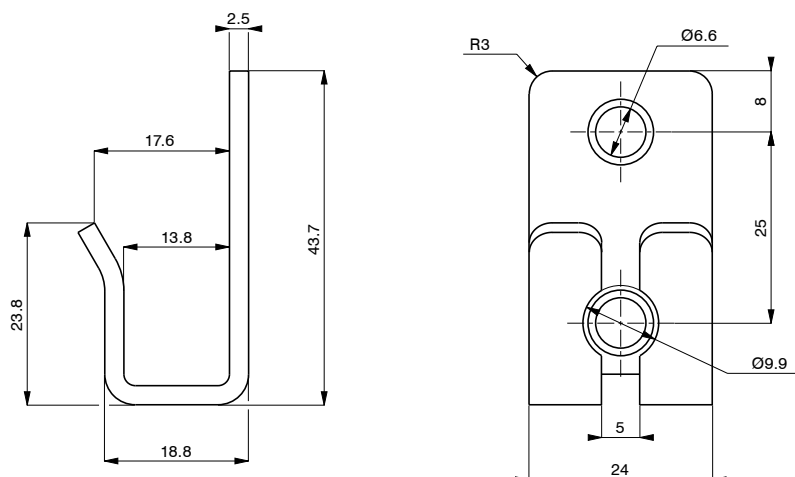


- Material: PA6GF30
- Rod guide W108-1 for rods PR36
- W108-2 for rods PR38, except PR3813

- W108-3 for rods PR3813
- Usable for weld studs M6

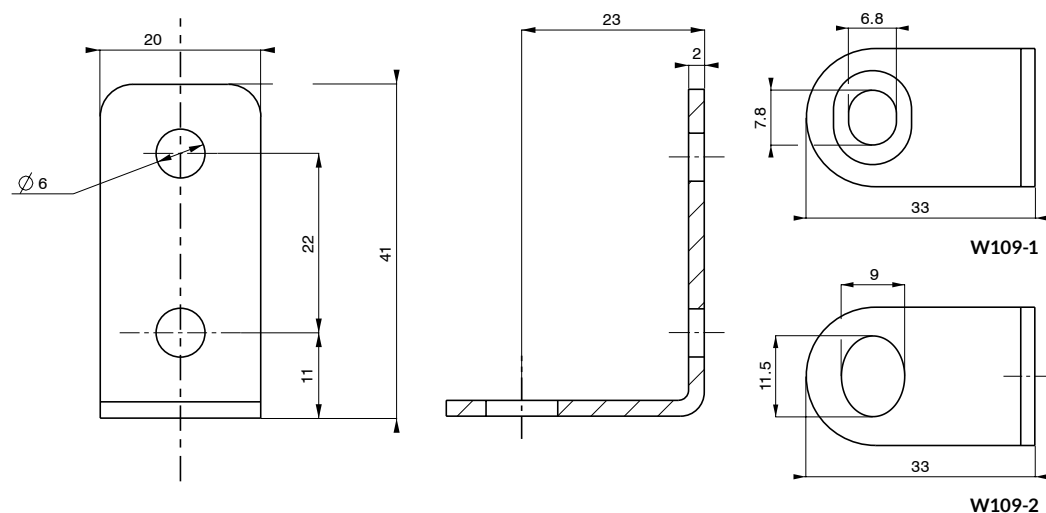


W102 ROD CATCH



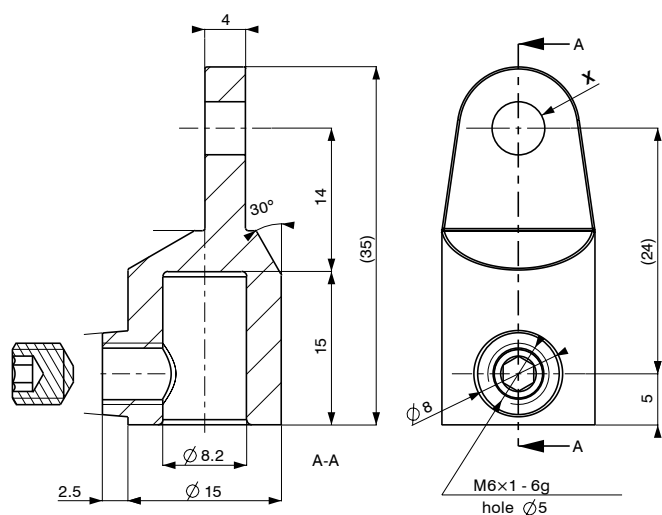
- Material: steel
- Finish: zinc plated
- For rod PR2

W109 ROD GUIDE



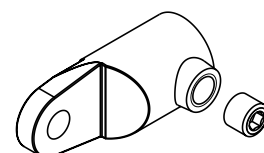
- Material: steel
- Finish: zinc plated
- Rod guide W109-1 for rods PR36, W109-2 for rods PR38, except PR3813

W178 ADAPTER



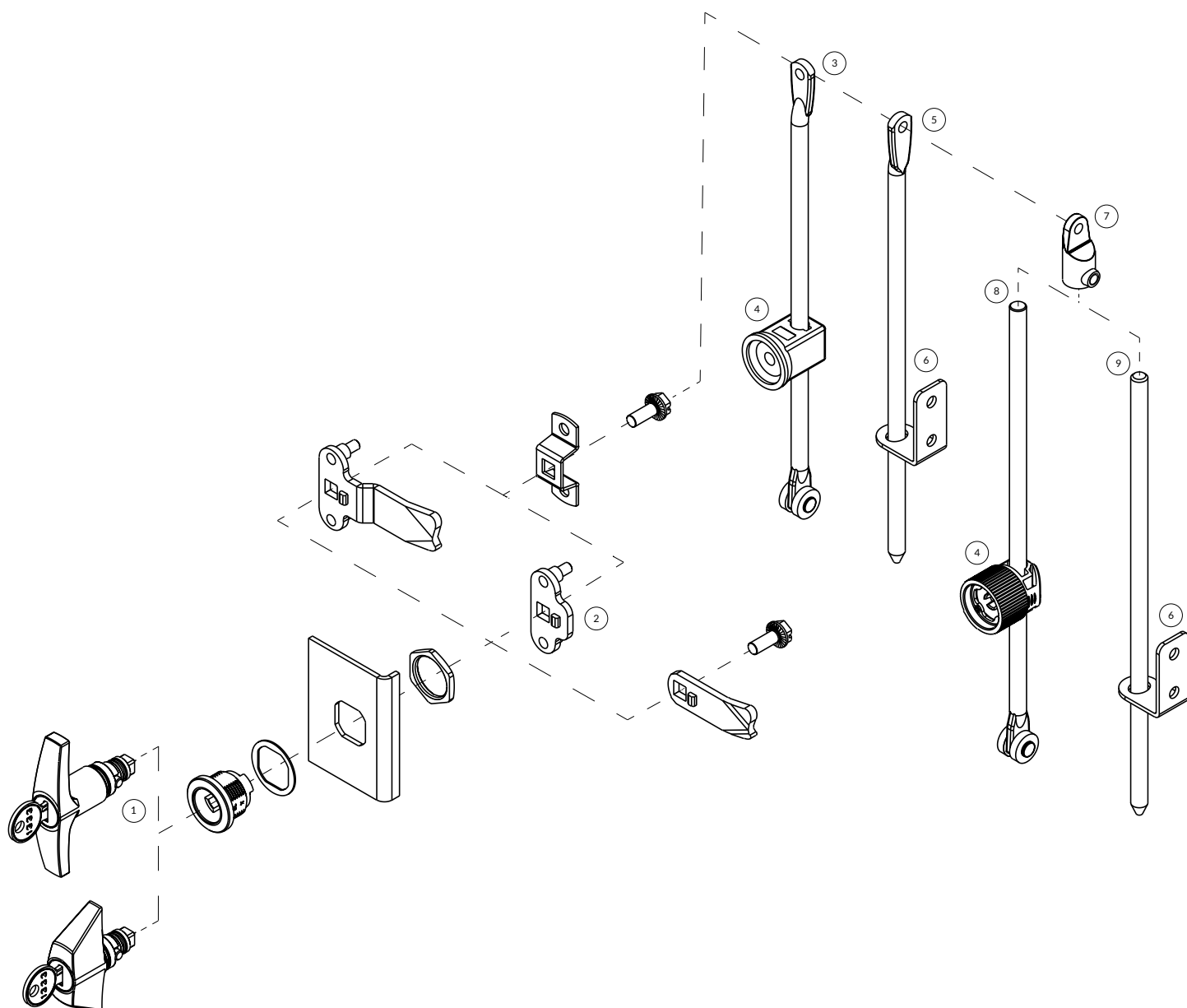
W178	Pin hole diameter X	Rod diameter
1	Ø 5.2	1 Ø 8
2	Ø 6.2	2 Ø 6

EXAMPLE: W178 - 1 - 1



- Material: ZAMAK
- Finish: zinc plated
- Dimension X=5.2 mm or 6.2 mm
- Screw included in the set, packed separately

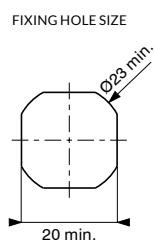
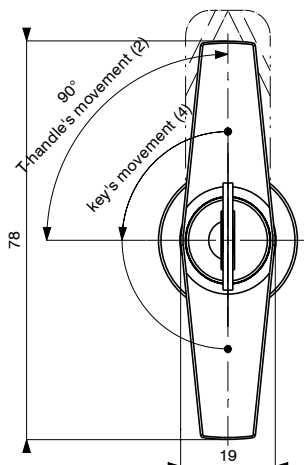
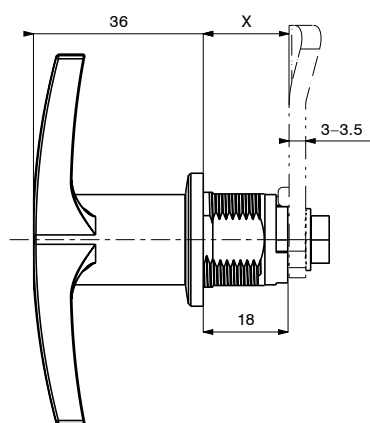
PROGRAM Ø 23×20



Ref.	Symbol	Description	Page
1	H406, H411	T-handle, W-handle	31-32
2	1, 2, 3-point cams	Cams	22-23
4, 6, 7	W108-X, W109-X, W178, W147	Accessories for rods	27-29
3, 5, 8, 9	PR3803, PR3612, PR3811, PR3801, PR3813	Rods	24-26



H406 T-HANDLE



Example of handle with right side door assembling

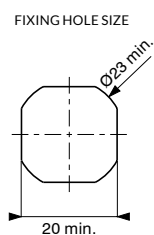
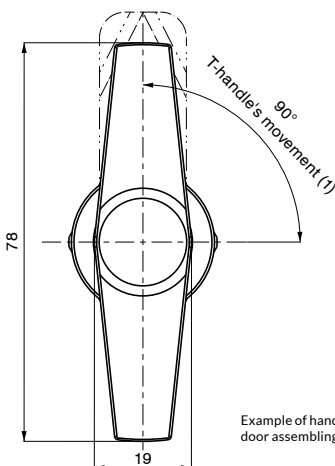
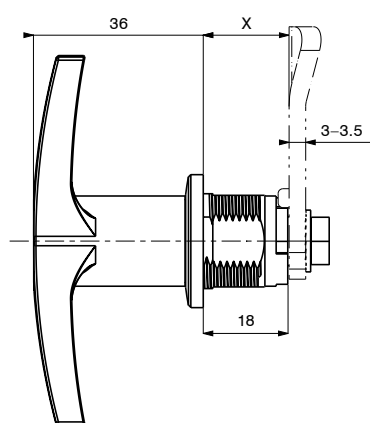


H406	IP65	Type of handle	Optional finish	T-handle's movement	Key's movement
0	NO	1 T-handle	1B Powder coating	1 90° clockwise	3 180° clockwise
1	YES		2A Chrome plated	2 90° anticlockwise	4 180° anticlockwise
			7 Nickel plated		

Key's quantity	Key's variant
0 Without keys	KTP XXXX
1 One key	KTDR XXXX
2 Two keys	

EXAMPLE:
H406 locking

H406 – 0 – 11B – 1 – 3 – 2 – KTP1333



Example of handle with left side door assembling



H406	IP65	Type of handle	Optional finish	T-handle's movement
0	NO	2 T-handle non locking	1B Powder coating	1 90° clockwise
1	YES		2A Chrome plated	2 90° anticlockwise
			7 Nickel plated	

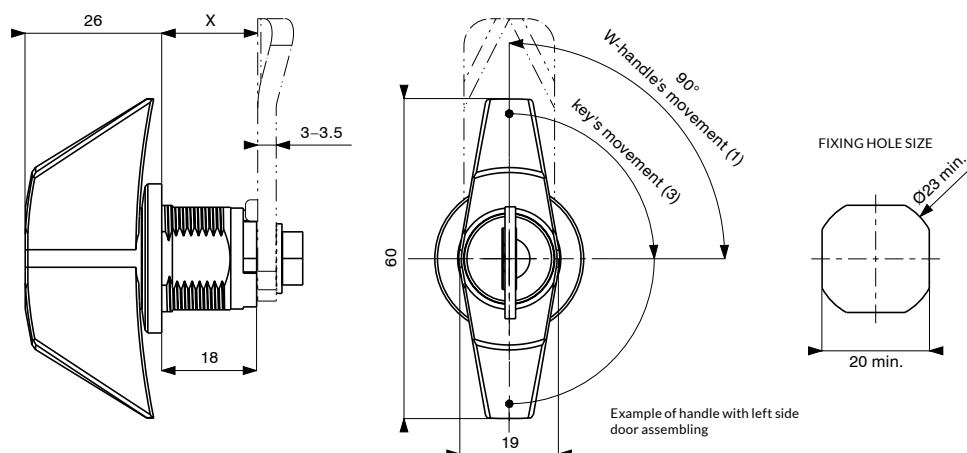
- Material: ZAMAK
- Available with 1-, 2- or 3-point cam

- Quantity of combinations: 500 (R series)
- Handle with removable barrel, without IP65 – only for request

EXAMPLE:
H406 non locking

H406 – 1 – 21B – 1

H411 W-HANDLE

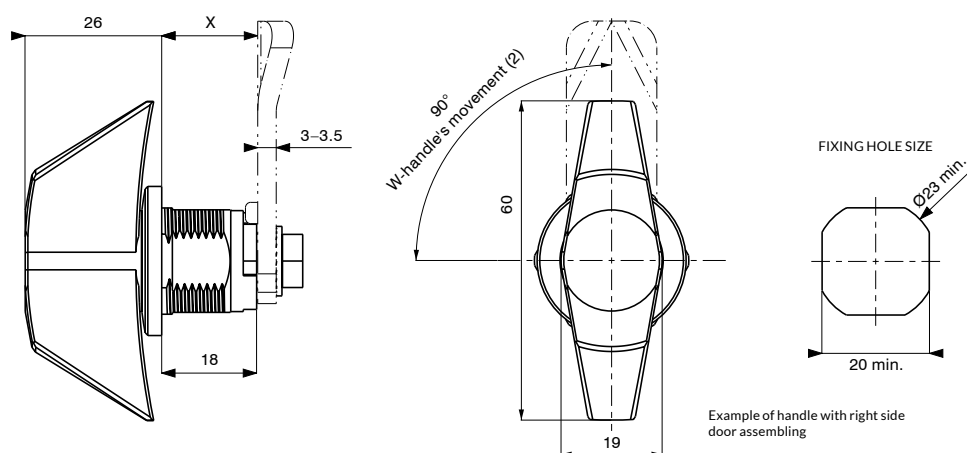


H411	IP65	Type of handle	Optional finish	T-handle's movement	Key's movement
0	NO	1 W-handle	1B Powder coating	1 90° clockwise	3 180° clockwise
1	YES		2A Chrome plated	2 90° anticlockwise	4 180° anticlockwise
			7 Nickel plated		

Key's quantity	Key's variant
0 Without keys	KTP XXXX
1 One key	KTDR XXXX
2 Two keys	

EXAMPLE:
H411 locking

H411 - 0 - 11B - 1 - 3 - 2 - KTP1333



H411	IP65	Type of handle	Optional finish	T-handle's movement
0	NO	2 W-handle non locking	1B Powder coating	1 90° clockwise
1	YES		2A Chrome plated	2 90° anticlockwise
			7 Nickel plated	

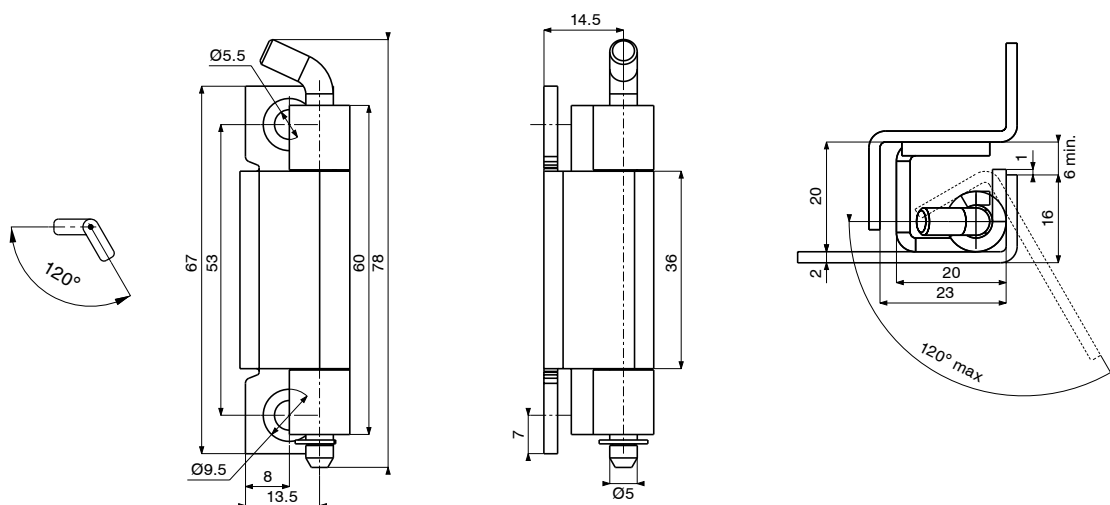
- Material: ZAMAK
- Available with 1-, 2- or 3-point cam
- Quantity of combinations: 500 (R series)
- Handle with removable barrel, without IP65 - only for request

EXAMPLE:
H411 non locking

H411 - 1 - 21B - 1



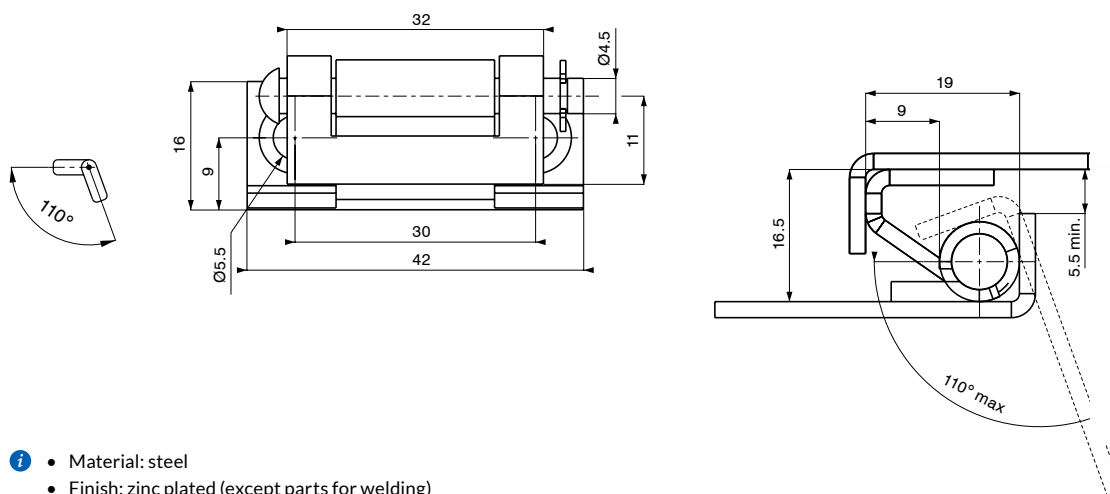
Z100 HINGE



- Material: steel
- Finish: zinc plated (except parts for welding)



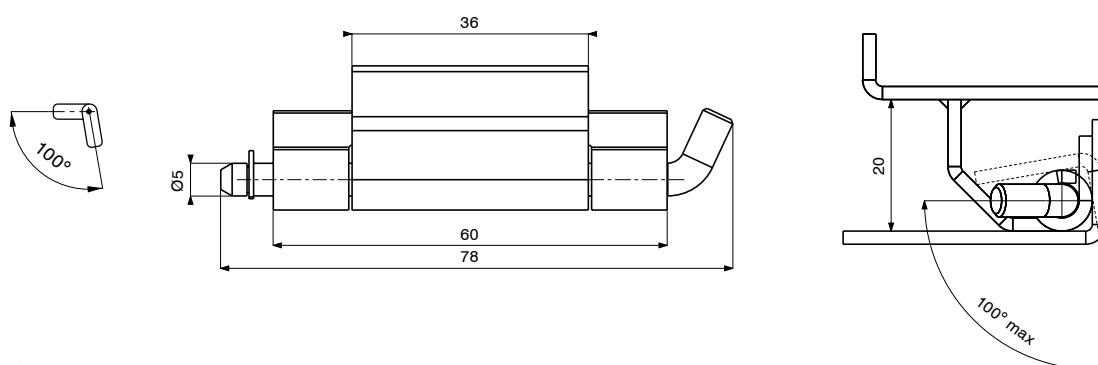
Z101 HINGE



- Material: steel
- Finish: zinc plated (except parts for welding)



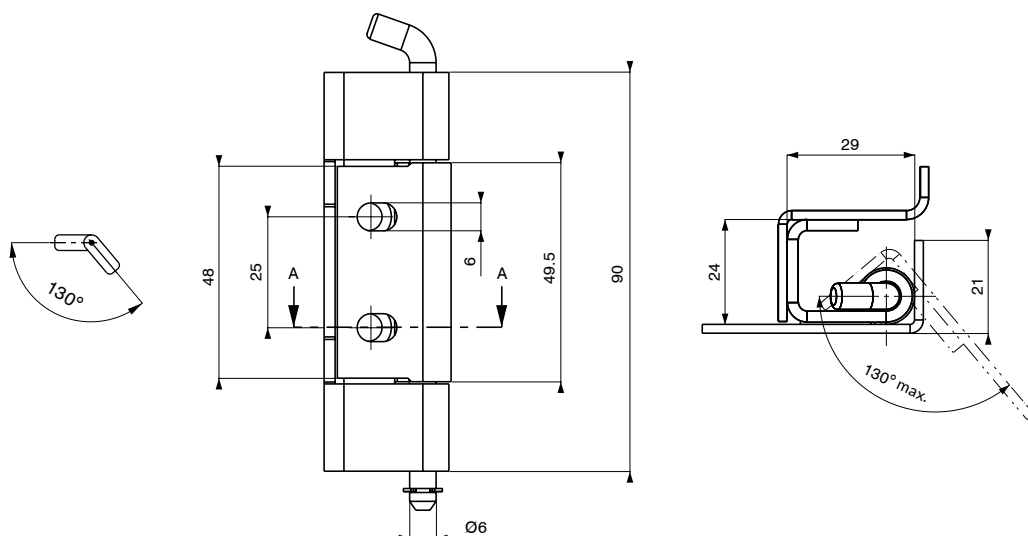
Z102 HINGE



- Material: steel
- Finish: zinc plated (except parts for welding)

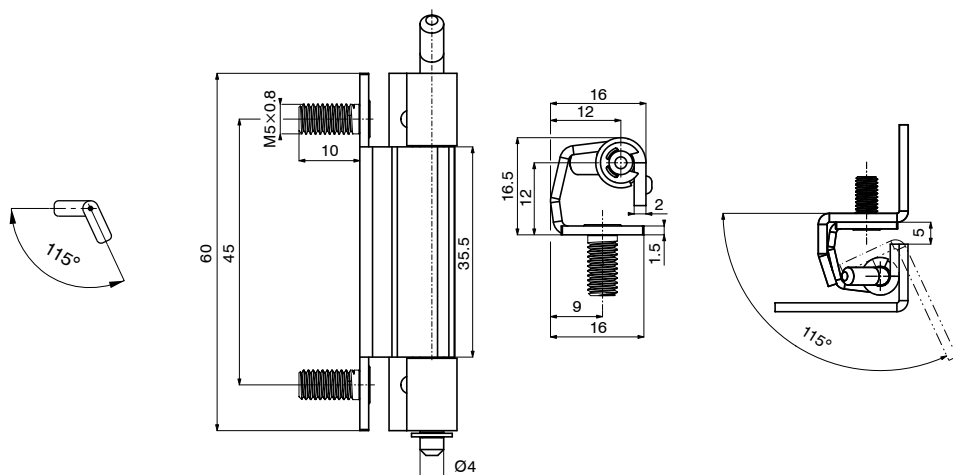


Z106 HINGE



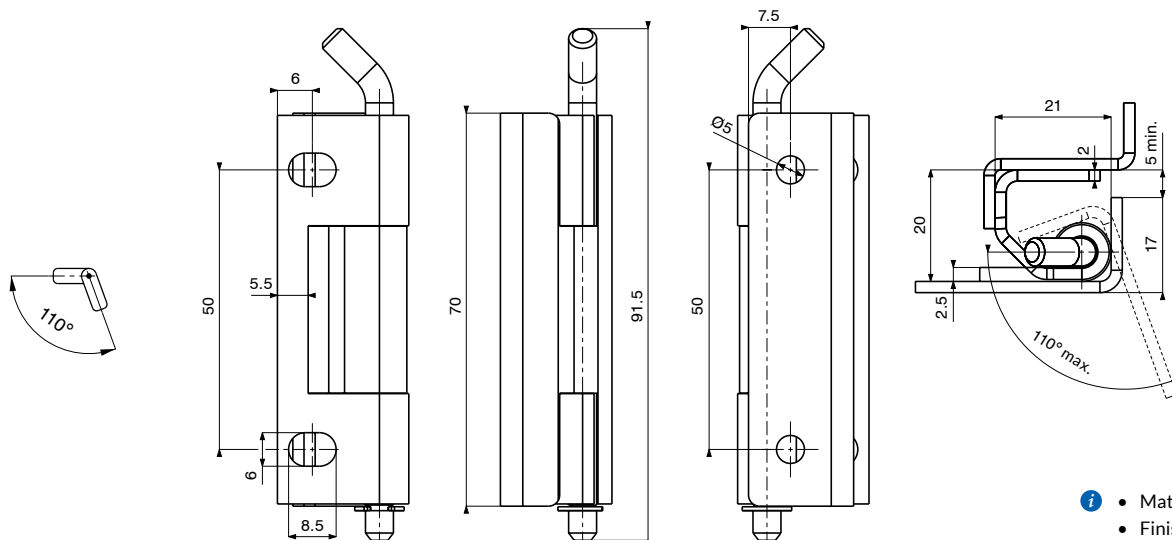
- Material: steel
- Finish: zinc plated, Magnelis® zm120

Z114 HINGE



- Material: steel
- Finish: zinc plated (except parts for welding)

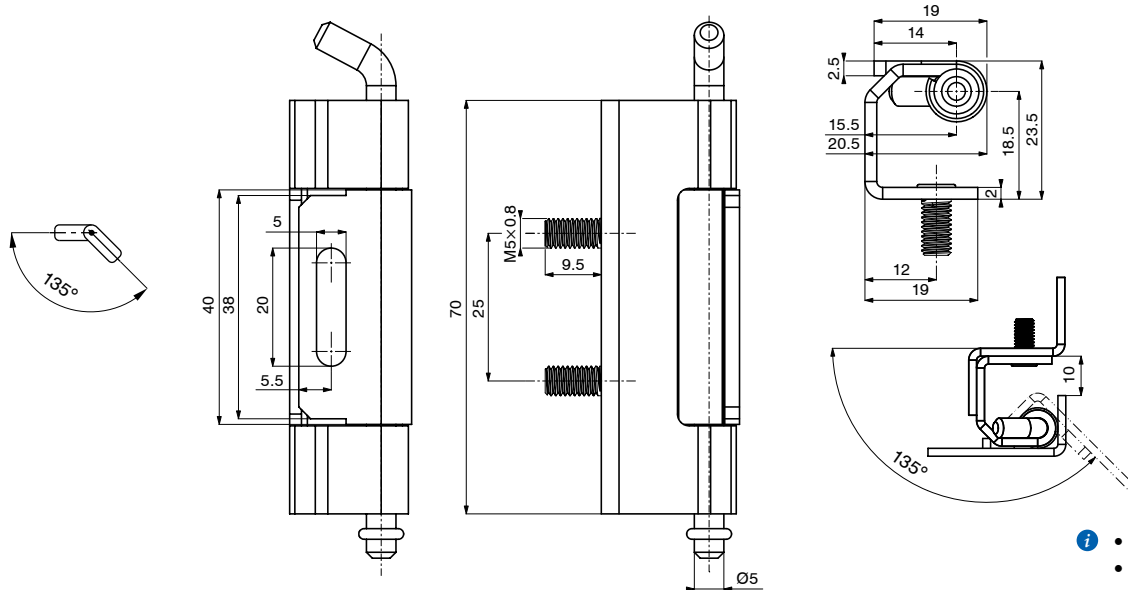
Z132 HINGE



- Material: steel
- Finish: zinc plated



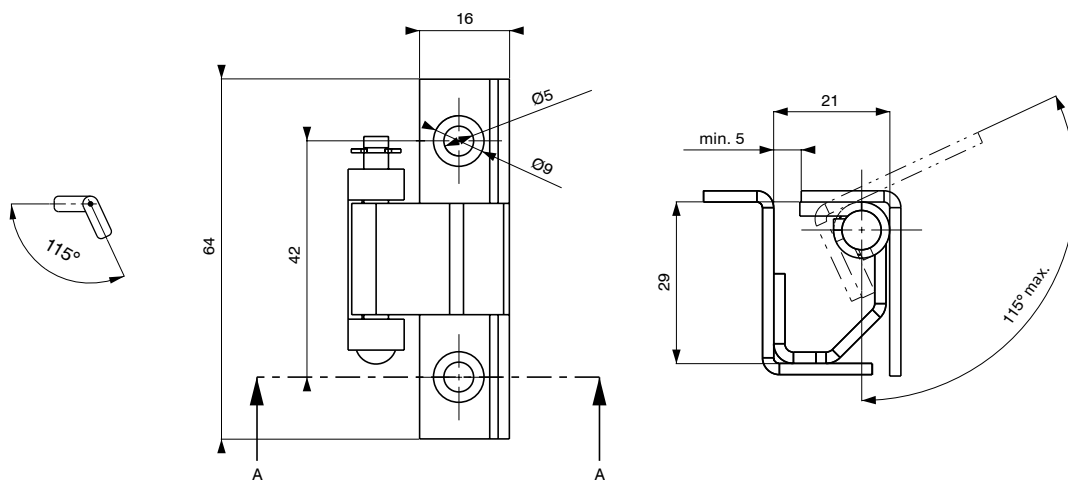
Z138 HINGE



- Material: steel
- Finish: zinc plated



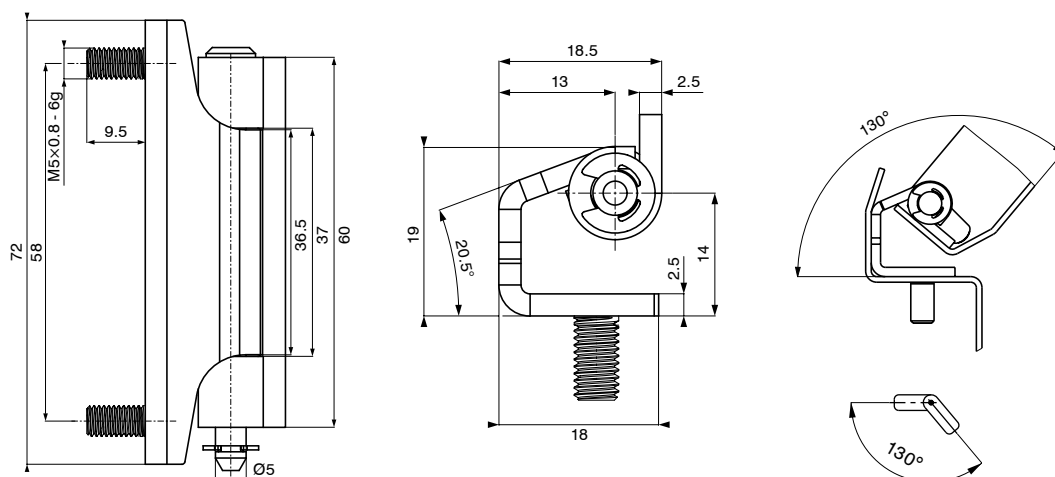
Z141 HINGE



- Material: steel
- Finish: zinc plated, Magnelis® zm120



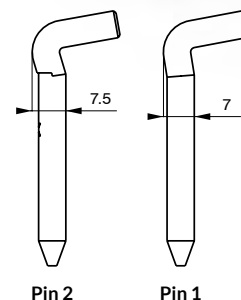
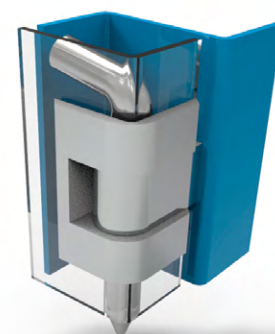
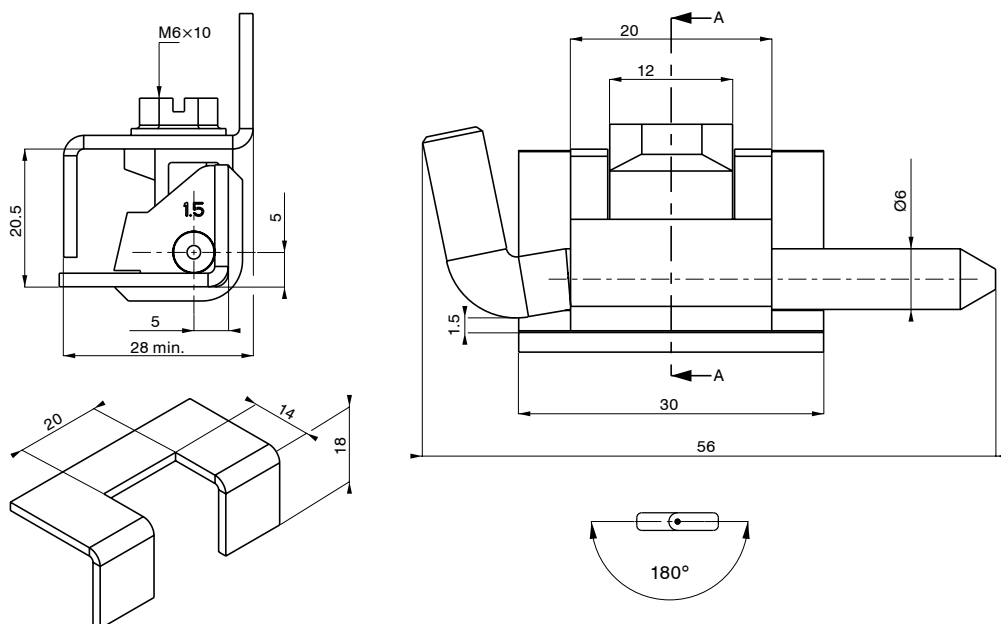
Z146 HINGE



- Material: steel, AISI304
- Finish: zinc plated



Z200 HINGE

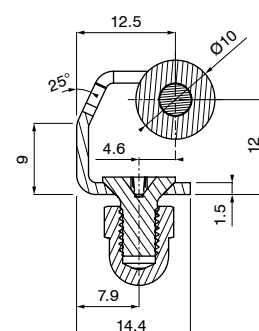
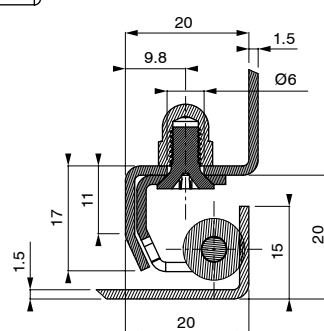
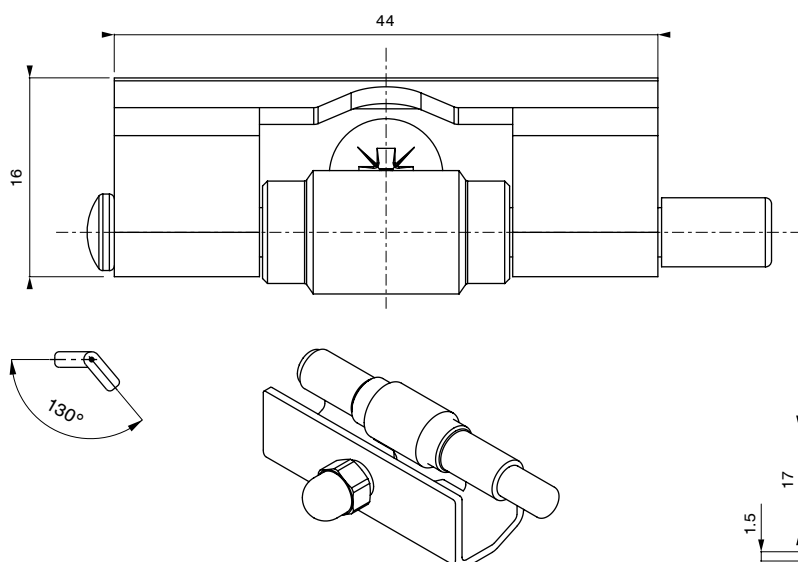


Z200	Material	Optional finish	Panel thickness	Type of pin
ZB	ZAMAK	7B Nickel plated	1 0.8-1.2 mm	1
		2A Chrome plated	2 1.5-2 mm	2
		8H KTL		
		XXXX Powder coating		
		6A Zinc plated		

- Material of bolt: steel
- Finish of bolt: zinc plated
- For powder coating instead of XXXX enter symbol from RAL table
- Fixing screw included in the set

EXAMPLE: Z200 – 7B – 1 – 1

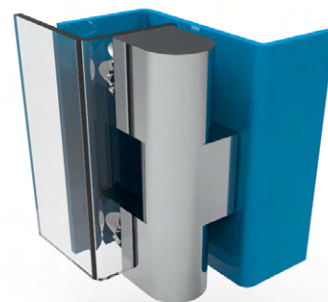
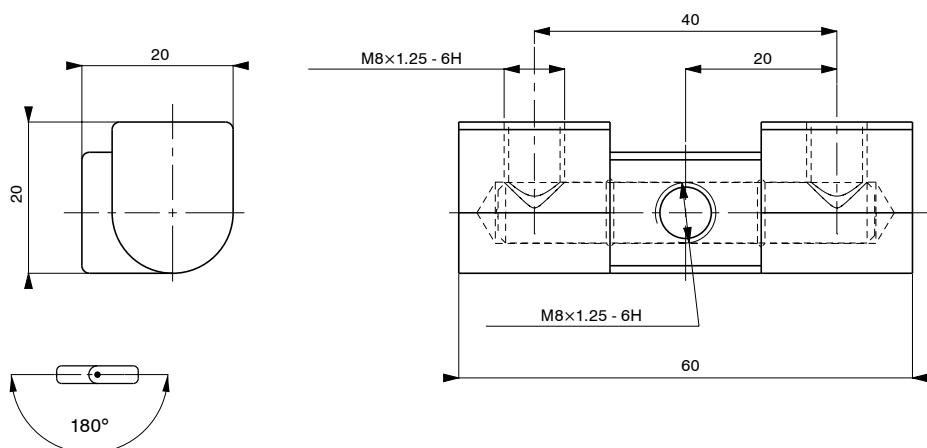
Z122 HINGE



- Material: steel
- Finish: zinc plated



Z300 HINGE

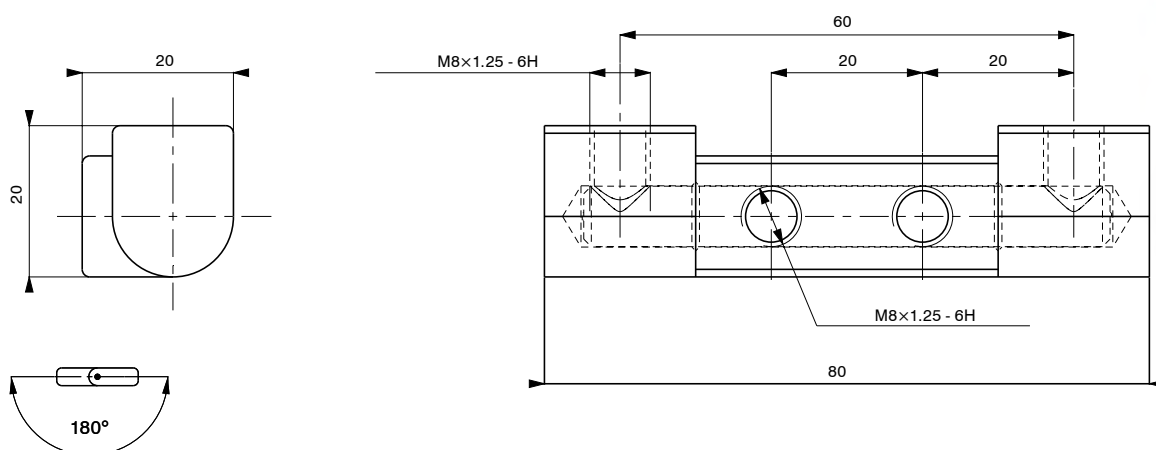


Z300	Material		Optional finish	
	MA	Brass	7B	Nickel plated
			2A	Chrome plated
			2C	Satin chrome plated
			6A	Zinc plated

EXAMPLE: Z300 – MA – 2A

- Fixing screws and washers included in the set

Z306 HINGE

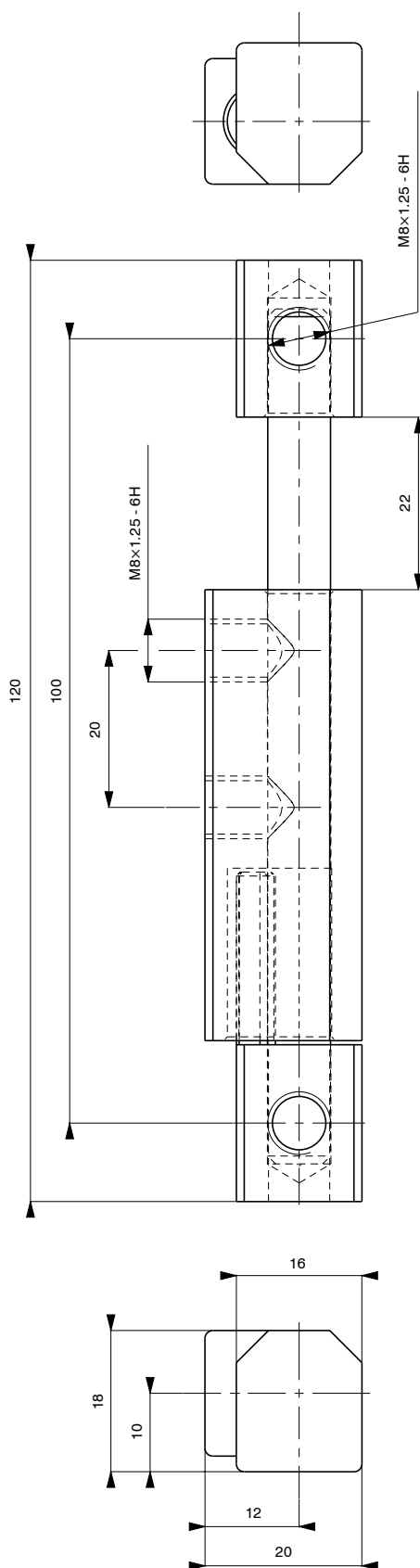


Z306	Material		Optional finish	
	MA	Brass	7B	Nickel plated
			2A	Chrome plated
			2C	Satin chrome plated
			6A	Zinc plated

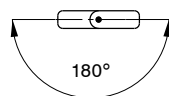
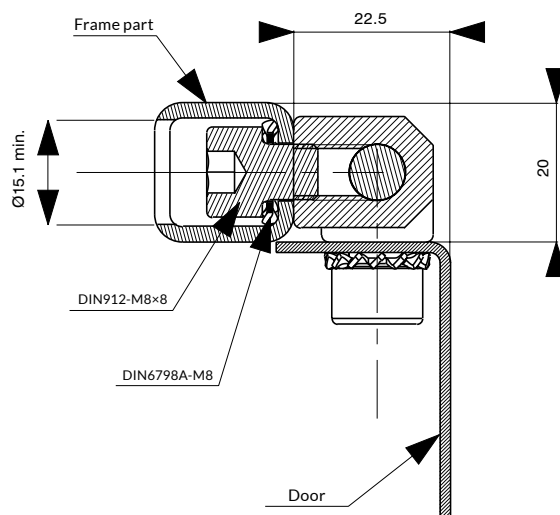
EXAMPLE: Z306 – MA – 2C

- Fixing screws and washers included in the set

Z305 HINGE



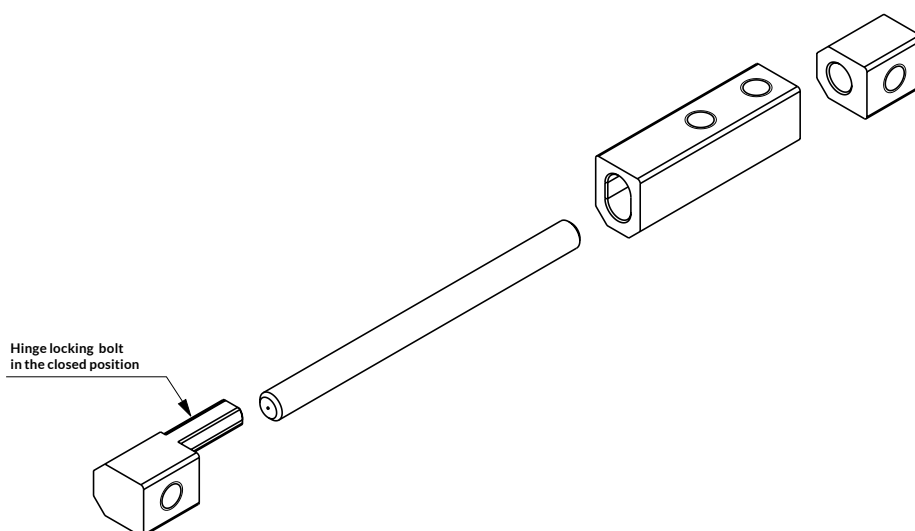
Cross-sectional view of sample application



Hinge
close position



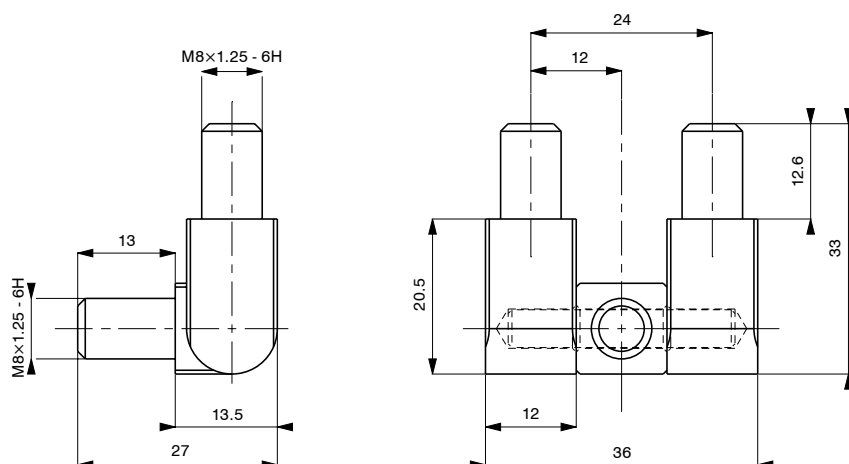
Hinge
open position



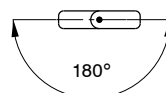
- To open the door lift and pull
- Stroke: 22 mm
- Material of hinge: steel
- Finish: zinc plated



Z308 HINGE



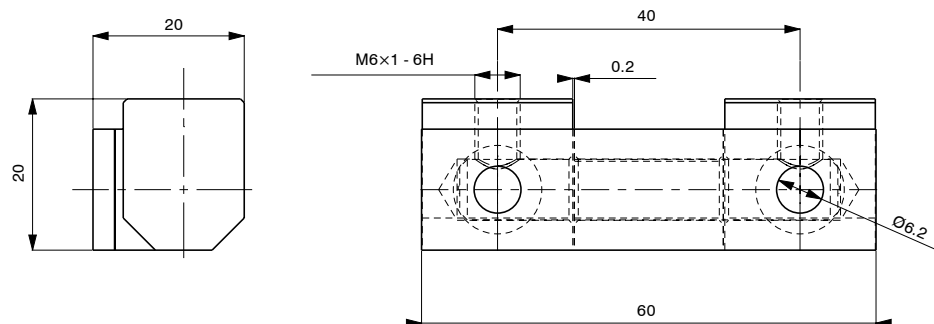
Z308	Material	Optional finish
S	Steel	7B Nickel plated
		2A Chrome plated
		2C Satin chrome plated
		6A Zinc plated



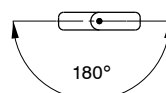
EXAMPLE: Z308 – S – 7B

- Material of bolt: steel

Z318 HINGE



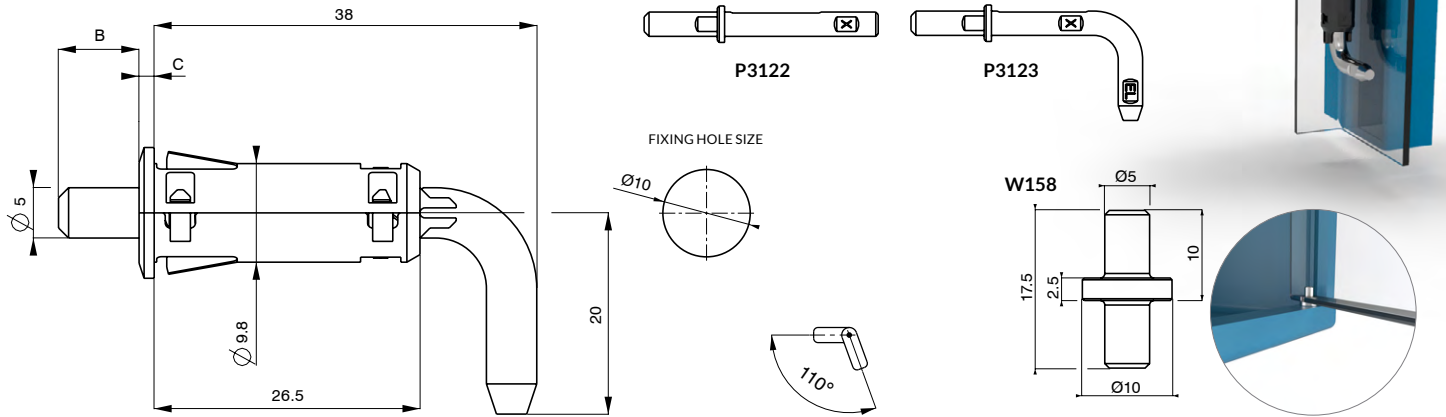
Z318	Material	Optional finish
S	Steel	7B Nickel plated
		2A Chrome plated
		2C Satin chrome plated
		6A Zinc plated
		XXXX Powder coating



EXAMPLE: Z318 – S – 7B

- Fixing screws and washers included in the set
- For powder coating instead of XXXX enter symbol from RAL table

Z400 HINGE

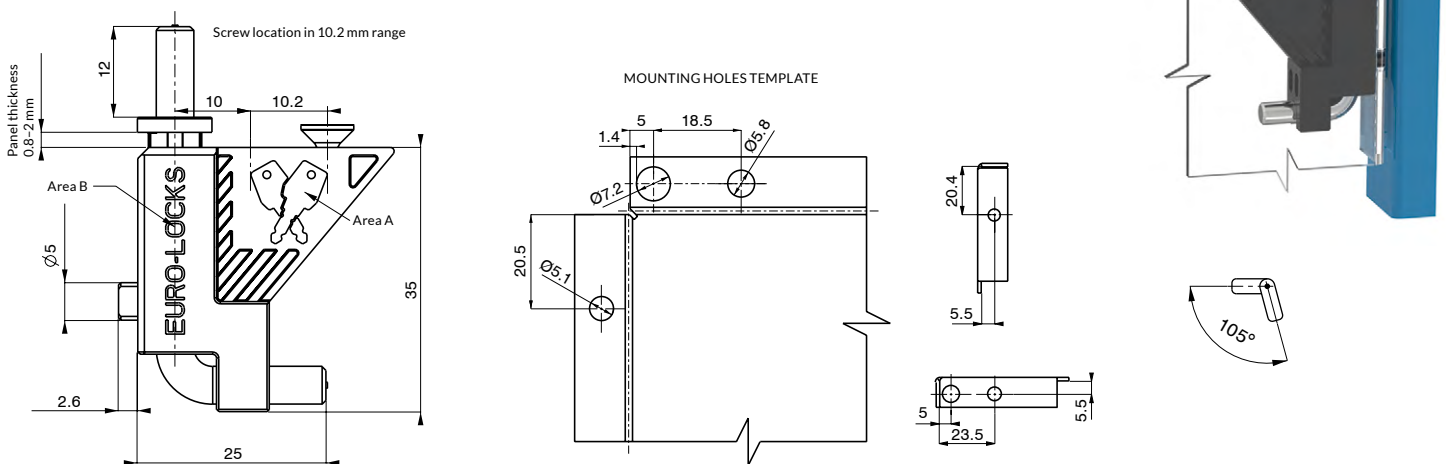


Z400	Material	Colour	Shape of PIN	Size B and C [mm]	Panel thickness
	PA6	9005 Black - standard	1 Straight	1 B=8 / C=1,5	1 0.8-1.2 mm
		Other RAL On request *	2 Bend	2 B=7 / C=2,5	2 1.2-1.7 mm
					3 1.7-2.2 mm

EXAMPLE: Z400 – PA6 – 9005 – 2 – 2 – 2

- Material of bolt: ZAMAK
- Steel pivot W158 can be used instead of bottom hinge.
- Not included in the set of Z400. Available as a separate product
- * Available on request only (please contact with office)

Z403 HINGE



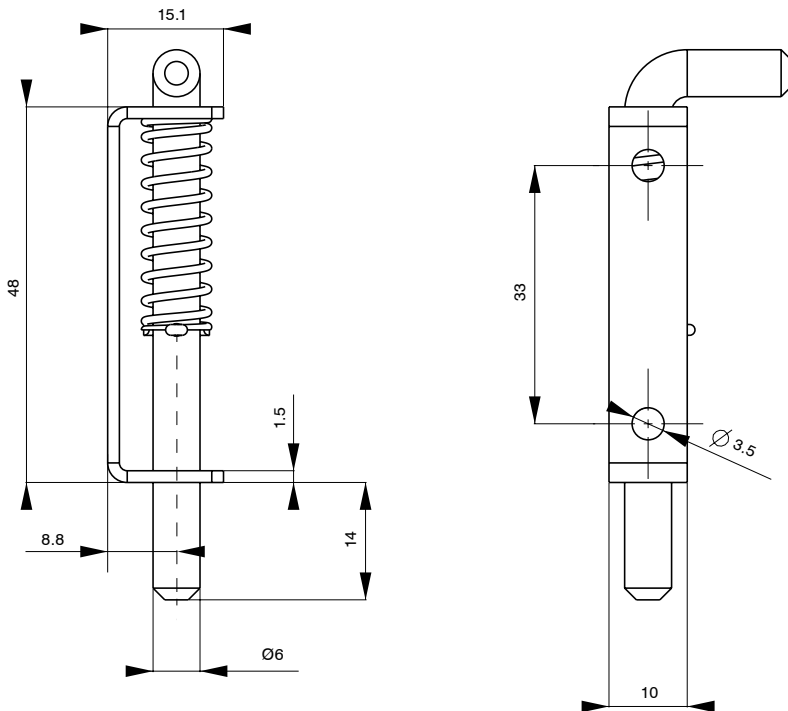
Z403	Colour	Area A	Area B
	9005 Black - standard	0 Without logo *	0 Without logo
	Other RAL On request *	1 E-L logo	2 Client's logo *
		2 Client's logo *	

EXAMPLE: Z403 – 9005 – 1 – 0

- Panel thickness range: 0.8-2.0 mm
- One version for LH and RH door
- Quick and stable fixing with guide
- Prepared for additional screw fixing (not included in the set)
- Material of hinge: PA6
- Material of Ø5 mm bolt: zinc plated
- * Available on request only (please contact with office)

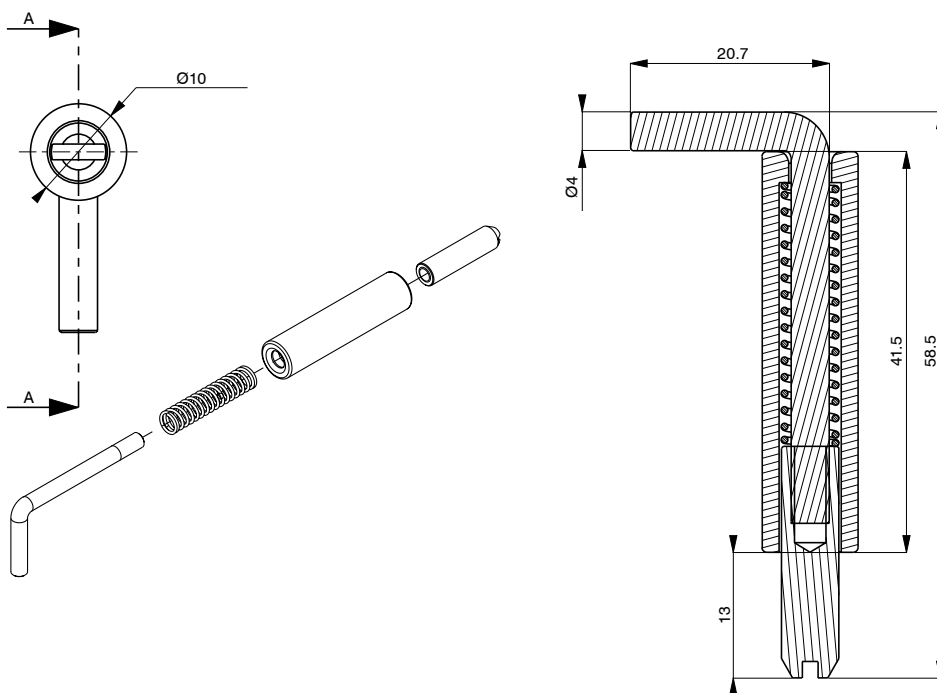


Z408 HINGE



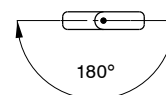
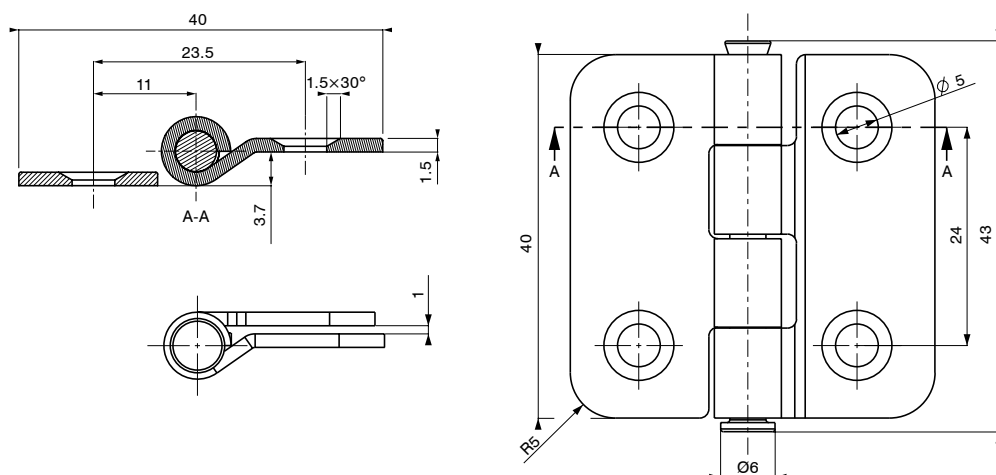
- Material: steel
- Finish: zinc plated

Z406 HINGE



- Pin hinge for welding
- Material: steel
- Spring material: stainless steel
- Finish: zinc plated (except parts for welding)

Z526 HINGE



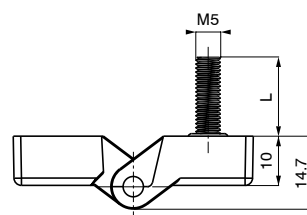
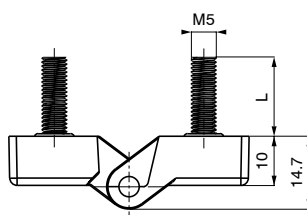
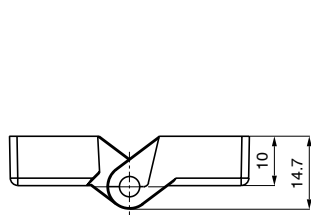
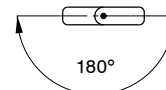
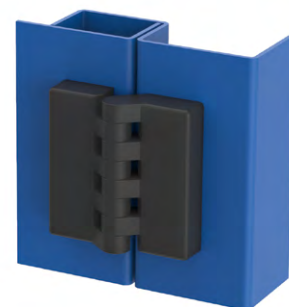
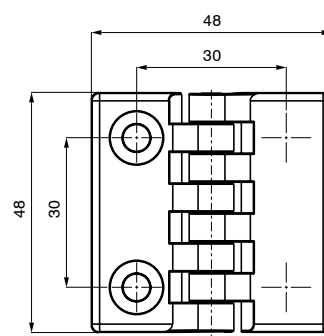
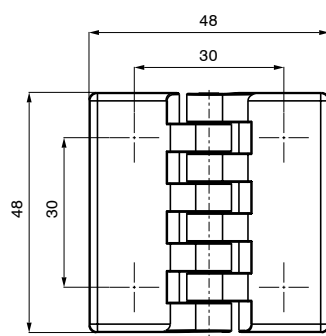
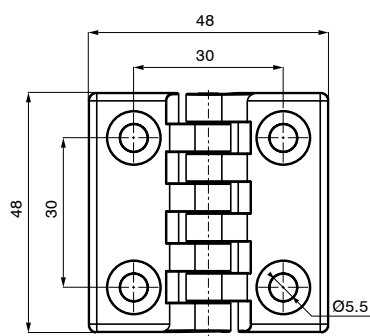
- Material of hinge: AISI304

Z550 HINGE

1. For countersunk screw version

2. Threaded studs version

3. Studs + holes



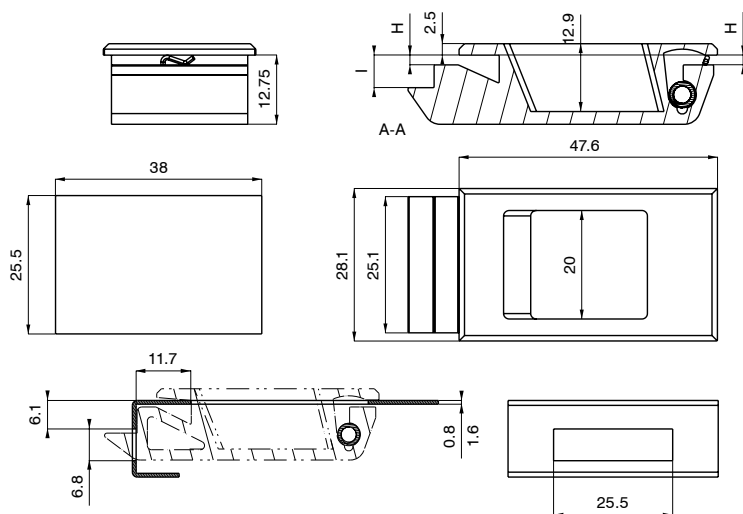
Z550	Hinge version	L - Stud length	Hinge material	Pin material	Stud material	Colour
1	For countersunk screw M5	00	1 PA6GF30	1 Steel zinc plated	0 Without studs	9005 Black - standard
2	Threaded studs	12	2 PA6GF30 V0	2 Stainless steel	1 Steel zinc plated	Other RAL On request *
3	Holes + Studs	16			2 Stainless steel	
		21				

EXAMPLE: Z550 - 2 - 12 - 111 - 9005

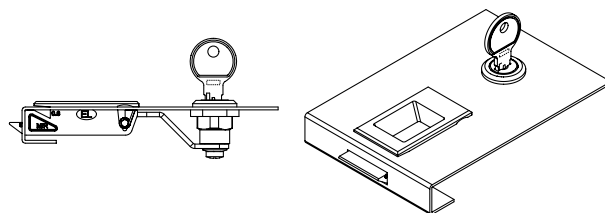
- Besoted pin hinge
- Fixing screw not included in the set
- Different dimension of pins on request only (please contact with office)



H301 SLIDE LATCH



Additional locking can be used by camlock

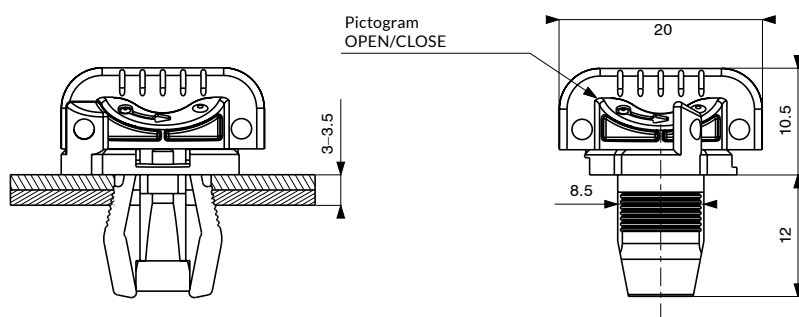


H301	Material	Colour	Size H [mm]	Panel thickness [mm]	Size I [mm]
	PA6	9005 Black - standard	1	1.4	0.8-1.1
		Other RAL On request *	2	1.8	1.2-1.6

- Material: PA6
- Colour: Black
- The dimension H and I can be changed on request (please contact with office)
- * Available on request only (please contact with office)

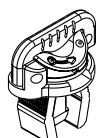
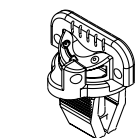
EXAMPLE: H301 – PA6 – 9005 – 2 – 2

W212 FASTENER □9,5

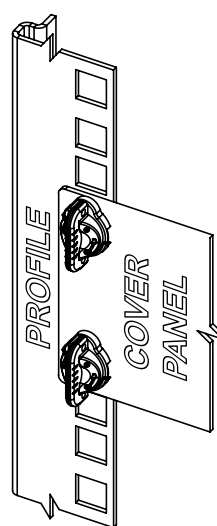
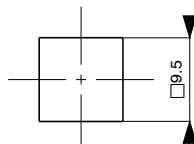


Open position

Closed position



FIXING HOLE SIZE

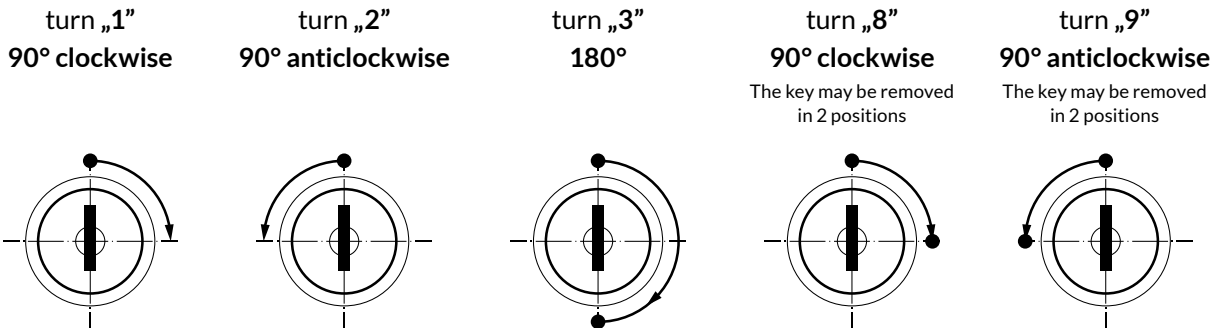
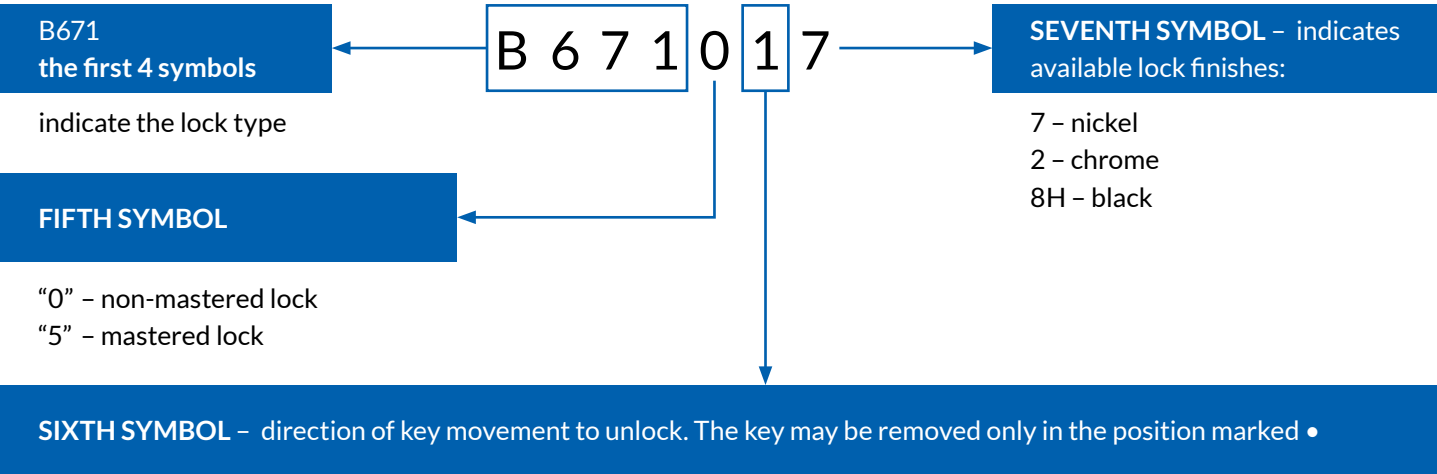


EXAMPLE: W212 – PR – 9005

W212	Material	Colour
PR	PA6GF15 VO	9005 Black - standard
		Other RAL On request *

- Fastener material :PA6GF15 VO (other material on request)
- Profile fixing hole size: □9,5 mm
- Movement: 90°
- For panels total thickness: 3-3,5 mm
- Toolless assembly
- Prepared for additional secure by seal
- Movement limiter
- Suggested cover holes size: 10×9,0 mm

Explanation of product code



Abbreviations used in the product description

- KTP

All locks have the same key number.
- KTD

All locks have different key numbers.
- KTDS

The locks are built in the “set” number groups. Each set has a different key number and any amount of locks and keys within a given set.

In the above abbreviations, the digit on the front is the amount of keys in a set for one lock (for example 2 KTP or 3 KTD).
- MASTER

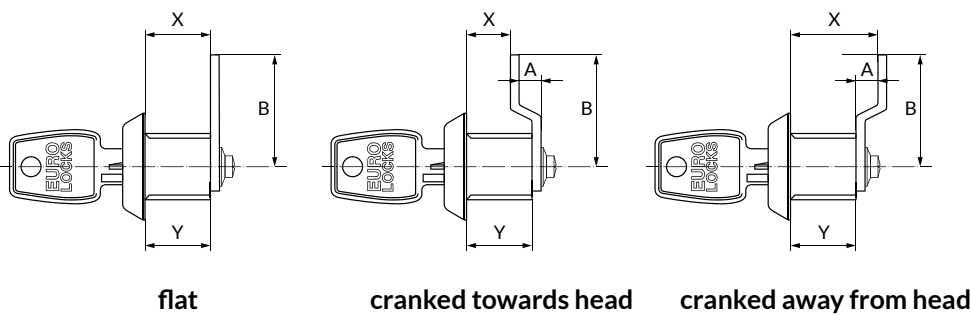
All locks have different numbers of keys but there is a master key that opens all locks.
- DNOC

Key number is stamped on the barrel front. This assists in obtaining replacement keys if they are lost.
- MILLING

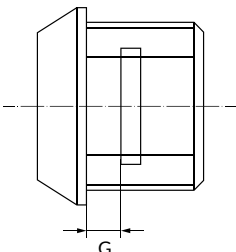
Cut in the lock body, for fixing the lock with a clip instead of a nut. For example (X-02).

Cams

- shapes and mounting methods

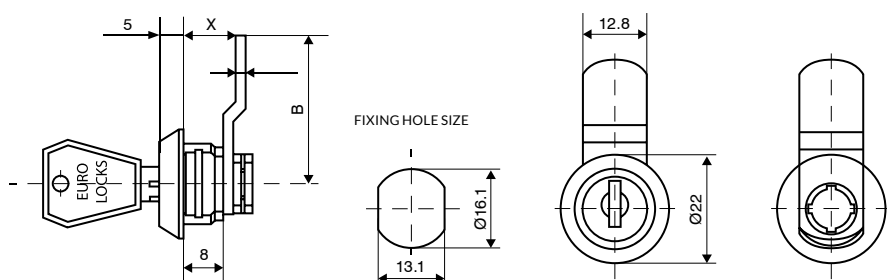


Milling “X”	Dimension “G” plate thickness [mm]
01	0.56–0.82
02	0.82–1.22
03	1.22–1.63





0202 CAMLOCK

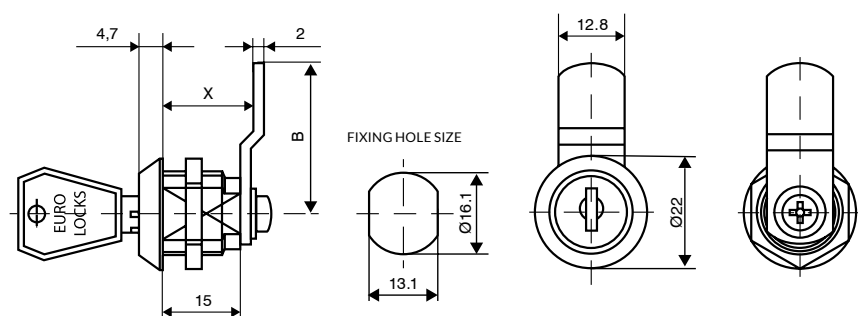


- M – "Master" Key System is supplied to order only



Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness for nut fixing	Milling 'X'	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
800 double entry	100	1; 2; 3; 8; 9	KTP; KTD; KTDS	2.5 mm	02	nut, clip	conical	7 – nickel (standard) 2 – chrome (on request)

0233 CAMLOCK

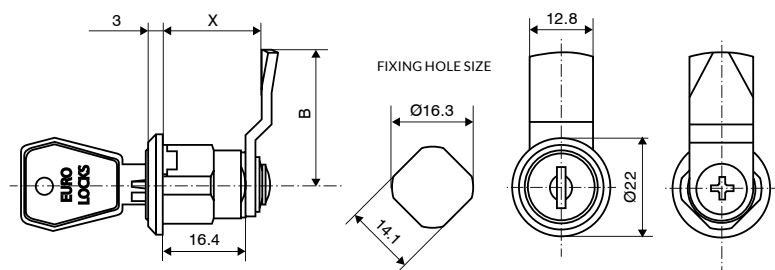


- M – "Master" Key System is supplied to order only
- Possibility to change mounting method to horseshoe clip by making the milling adjusted to defined panel thickness



Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness for nut fixing	Milling 'X'	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
800 double entry	100	1; 2; 3; 8	KTP; KTD; KTDS	9 mm	–	nut	conical	7 – nickel (standard) 2 – chrome (on request)

B827/C046 CAMLOCK (ENCLOSURES)

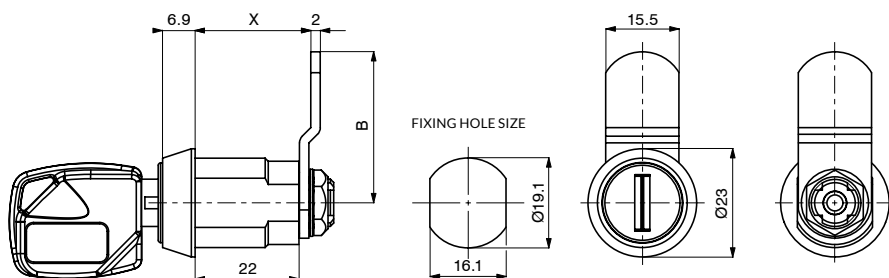


- M – "Master" Key System is supplied to order only



Product ID	Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness for nut fixing	Milling 'X'	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
B827	1D single entry no 2233	200	8	KTP; KTD; KTDS	7 mm	–	nut	round	7 – standard nickel
C046	800 double entry	100							

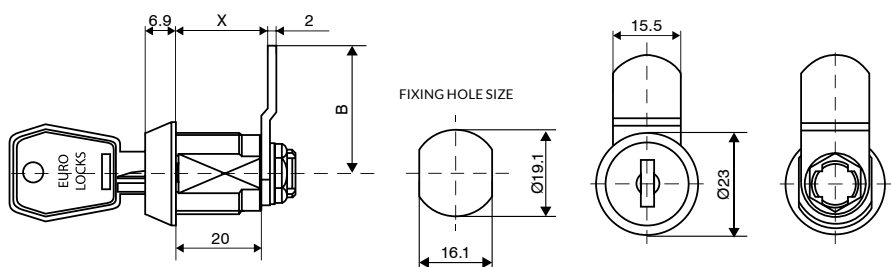
E063 HIGH SECURITY DUAL TUMBLER LOCK



- High picking, drilling and torque resistance
- Temperature resistance: -25° up to 65° C
- Patented disc tumbler technology
- Has a score of 16000C6D according to EN 1303

Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness for nut fixing	Milling 'X'	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
HSDT	200 000	3	KTP; KTD	14 mm	-	nut	conical	7 - nickel (standard) 2 - chrome (on request)

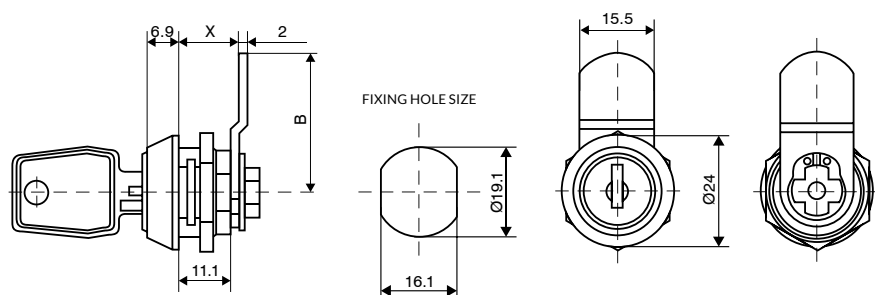
B671 CAMLOCK



- M - "Master" Key System is supplied to order only

Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness for nut fixing	Milling 'X'	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
25/27 double entry	2000	1; 2; 3; 8	KTP; KTD; KTDS	12 mm	02	nut, clip	conical	7 - nickel (standard) 2 - chrome (on request)

F298 CAMLOCK

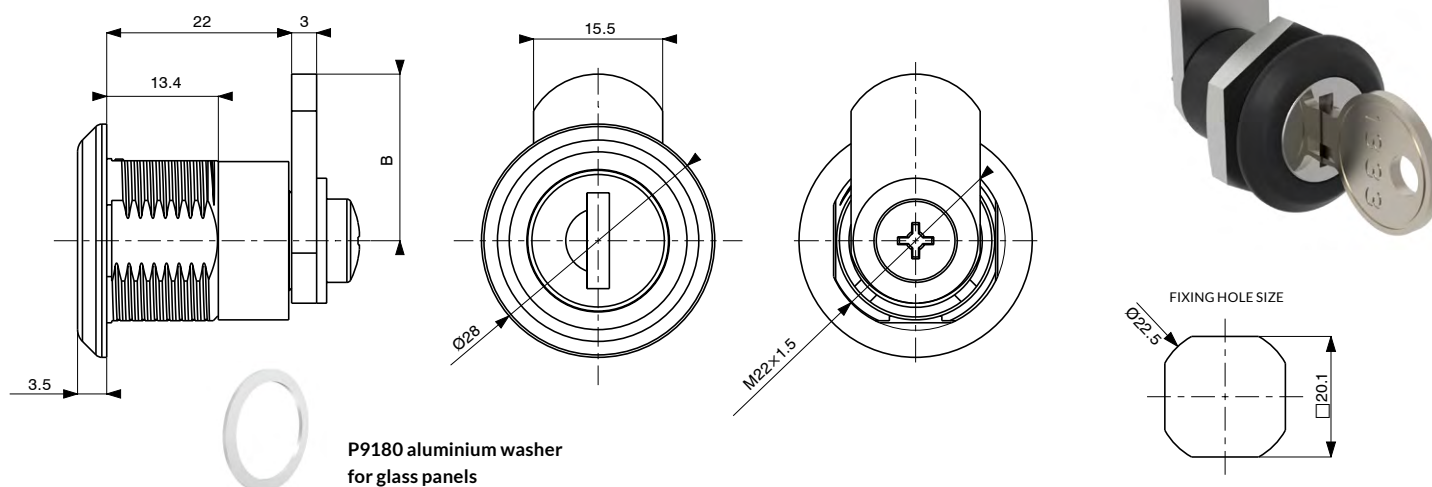


- M - "Master" Key System is supplied to order only
- Stainless steel cap

Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness for nut fixing	Milling 'X'	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
9000 double entry	500	1; 2; 3	KTP; KTD; KTDS	5 mm	02	nut, clip	conical	7 - nickel (standard) 2 - chrome (on request)



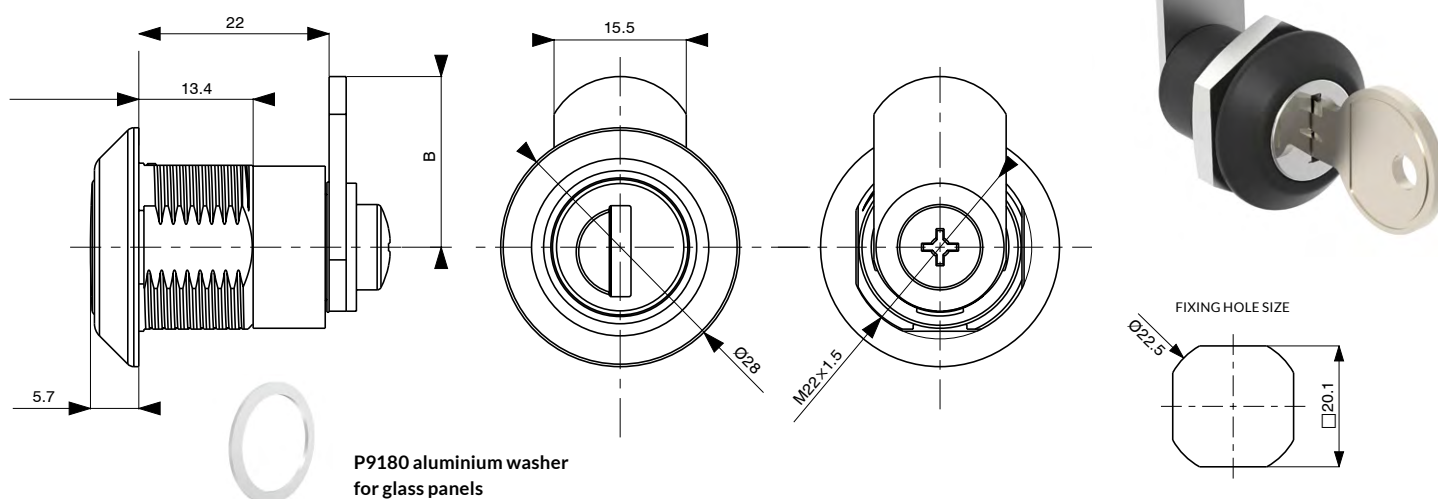
P858/P885 CAMLOCK (ENCLOSURES)



Product code	Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
P858	R-1333 single entry	500	8	KTP; KTD; KTDS	8 mm	nut	conical	Barrel: ZAMAK Housing: PA6GF30
P885	9000 double entry							

- Material of barrel: ZAMAK
- M - "Master" Key System is supplied to order only and available in P885

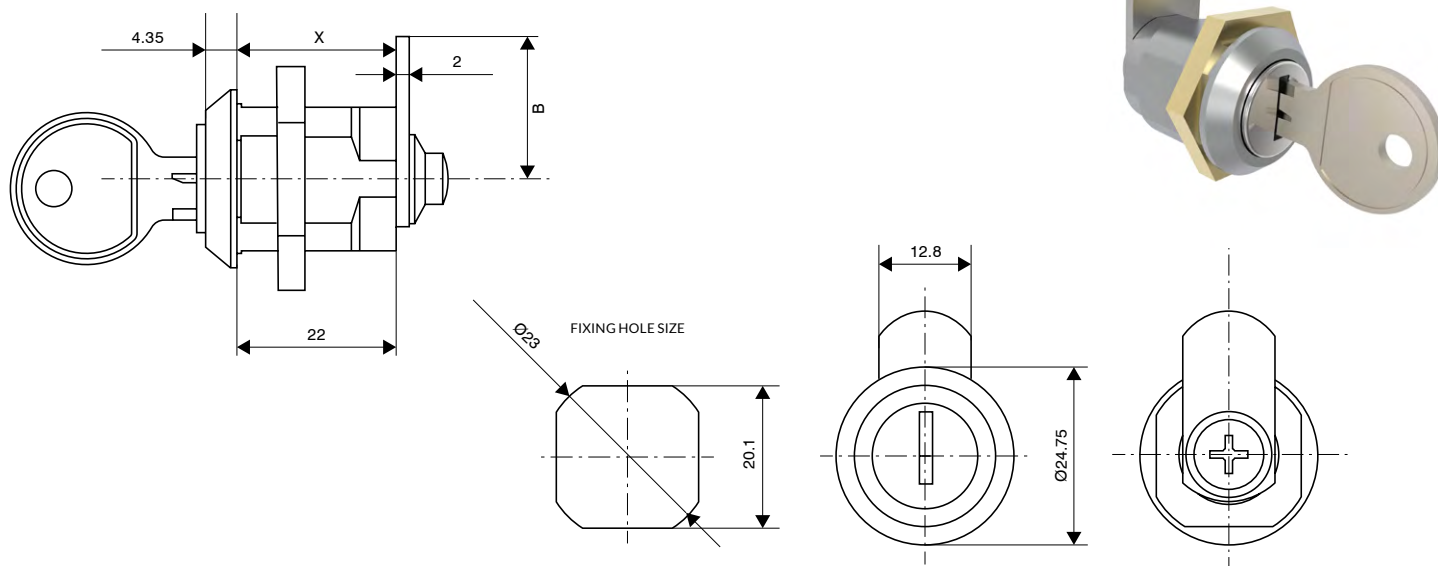
P863/P884 CAMLOCK (ENCLOSURES)



Product code	Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
P863	89 double entry	200	8	KTP; KTD; KTDS	8 mm	nut	conical	Barrel: ZAMAK Housing: PA6GF30
P884	20 double entry	200 nonmaster 50 master						

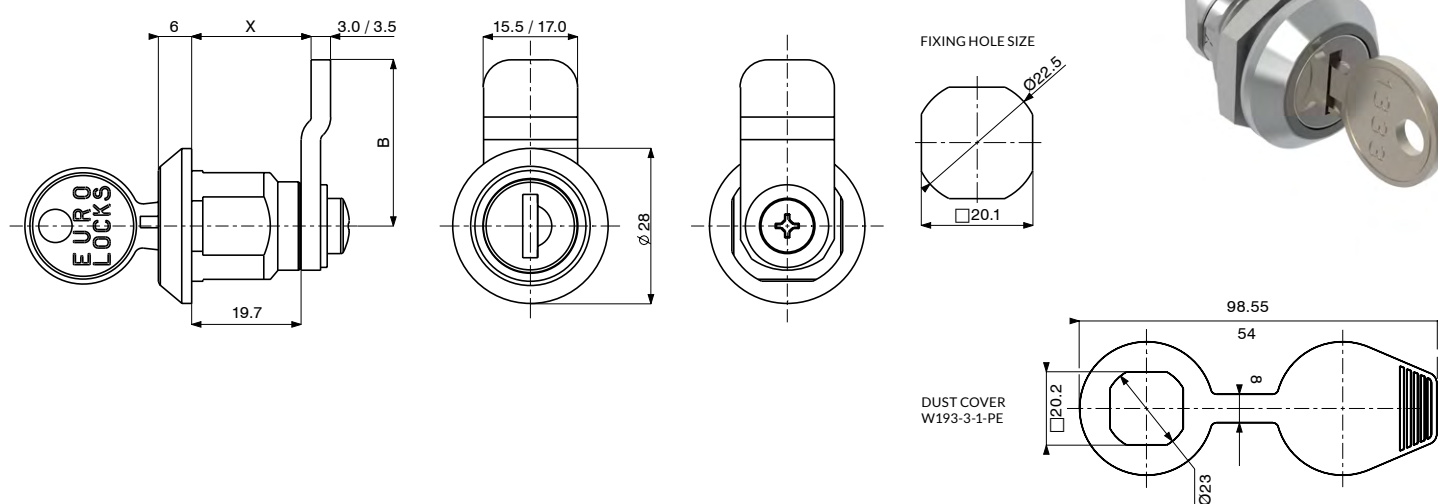
- Material of barrel: ZAMAK
- M - "Master" Key System is supplied to order only and available in P884

B850 CAMLOCK (ENCLOSURES)



Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness for nut fixing	Milling 'X'	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
89 double entry	200	8	KTP; KTD; KTDS	13 mm	-	nut	conical	2 - chrome

P888/P889 CAMLOCK (ENCLOSURES)

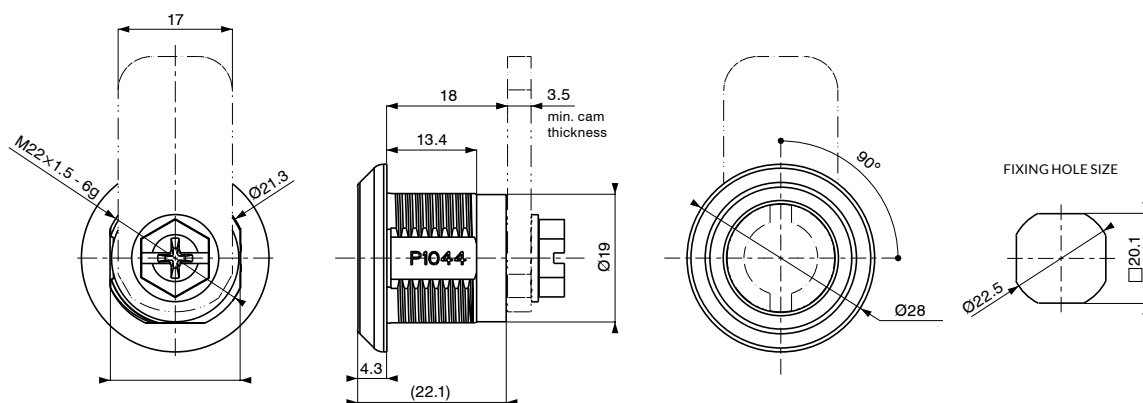


Product code	Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
P888	R-1333 single entry	500	8	KTP; KTD; KTDS	9 mm	nut	conical	2 - chrome (standard)
P889	9000 double entry							7 - nickel (on request)

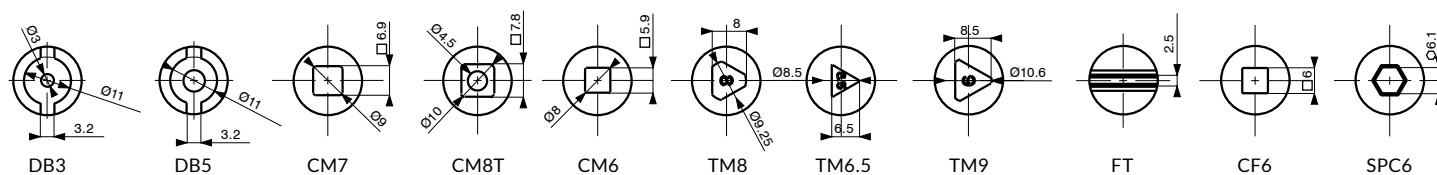
- IP65 rated
- Recommended to use together with W193-3-1-PE anti-dust cover
- M - "Master" Key System is supplied to order only and available in P889



P859 SPANNER LOCK



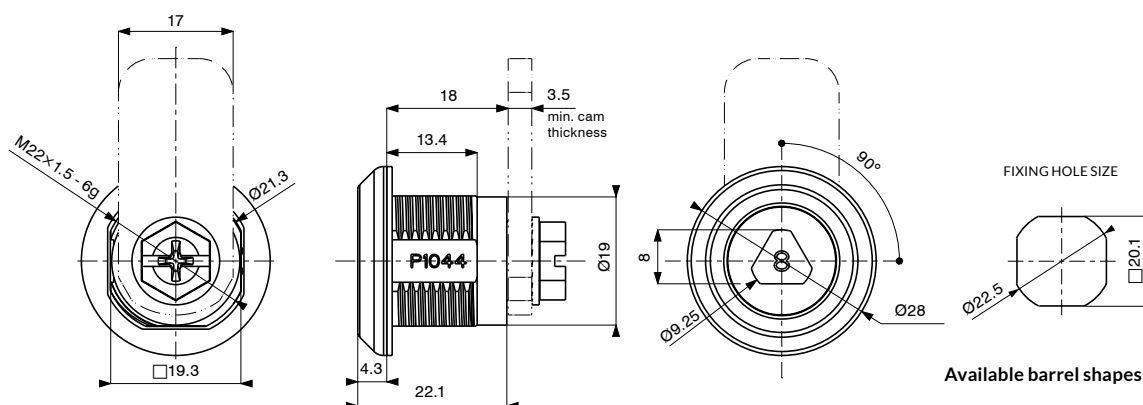
Available barrel shapes



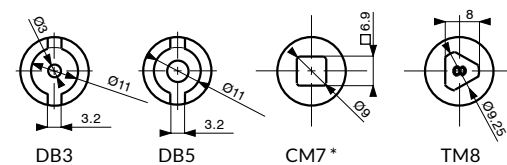
Available barrel shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Barrel finish
double bit, triangle, square	8	11 mm	-	nut	conical	7 - nickel (standard) 2 - chrome (on request)

- IP65 rated
- Key available on request – refer to page 54

P707 SPANNER LOCK



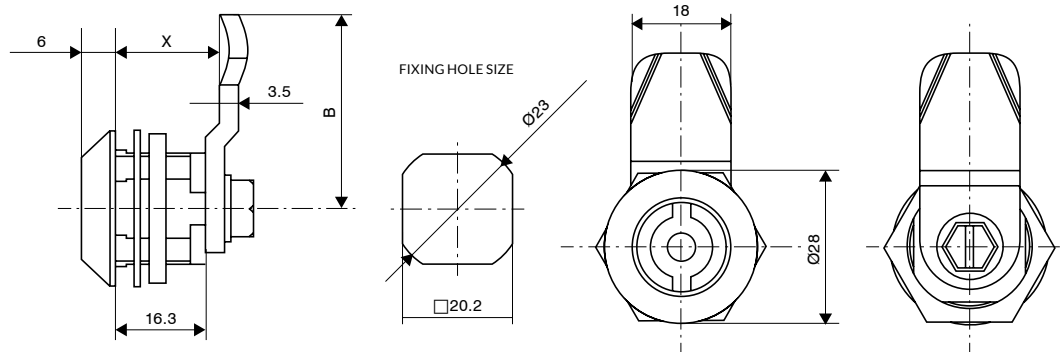
Available barrel shapes



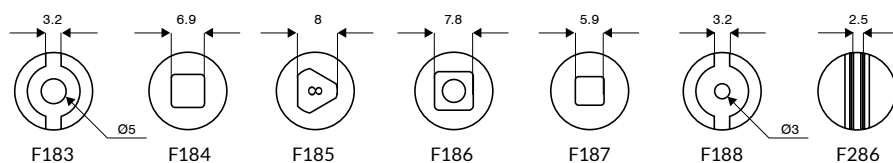
Available barrel shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Barrel finish
double bit, triangle, square	8	11 mm	-	nut	conical	Barrel: PA66 Lock: PA6GF30

- IP65 rated
- Material of cam : steel zinc plated
- Other barrel shapes – please contact our office
- Key available on request – refer to page 54
- * Please contact with the office

F183 SPANNER LOCK



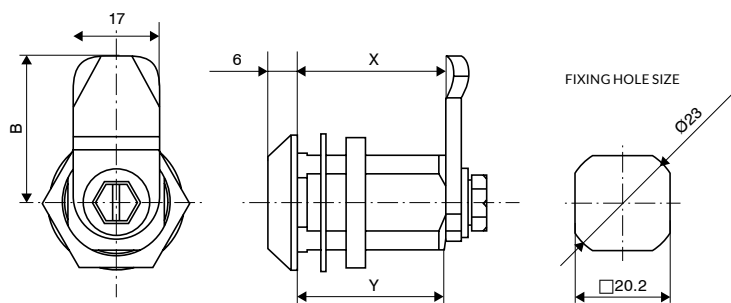
Available barrel shapes



Available barrel shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
double bit, triangle, square	8	8 mm	-	nut	conical	7 - nickel (standard) 2 - chrome (on request)

- IP65 rated
- Key available on request - refer to page 54

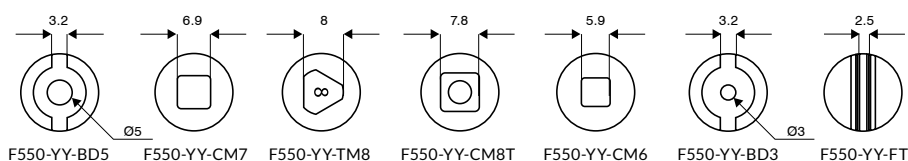
F550 SPANNER LOCK



C4142 steel washer for wooden and plastic panels



Available barrel shapes



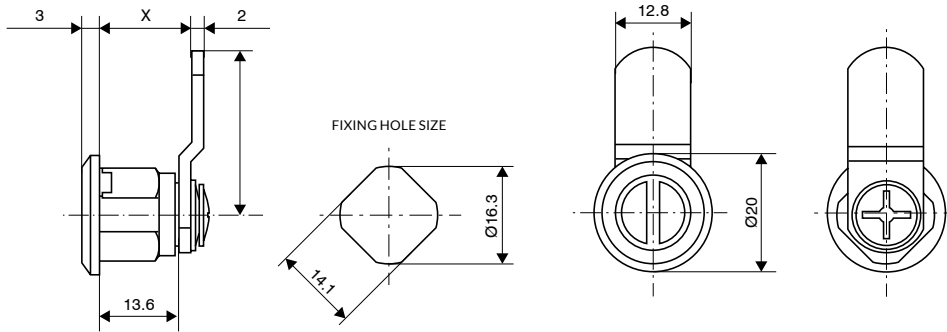
Product code	Housing length (dim Y)	Maximum panel thickness for nut fixing [mm]
F550	30	25
F550	40	35
F550	50	45
F550	60	53

Available barrel shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
double bit, triangle, square	8	depends upon housing length (see table above)	-	nut	conical	7 - nickel (standard) 2 - chrome (on request)

- IP65 rated
- Key available on request - refer to page 54

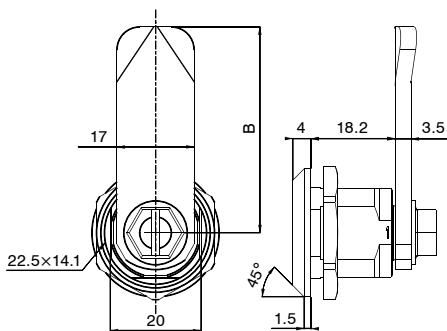


B826 SPANNER LOCK

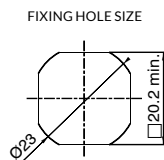


Product code	Available head shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
B826	screwdriver, coin						
B236	square 6 mm	8	7 mm	-	nut	round	7 - nickel (standard) 2 - chrome (on request)
B971	triangle 7 mm or screwdriver						

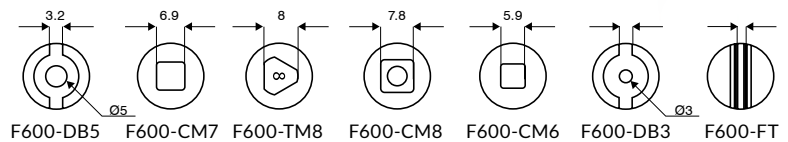
F600 SPANNER LOCK



- IP65 rated
- Key available on request - refer to page 54

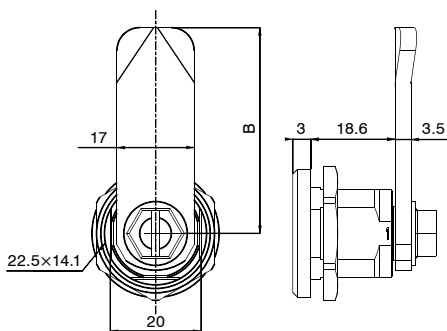


Available barrel shapes

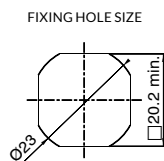


Available barrel shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
double bit, triangle, square	8	11 mm	-	nut	conical	7 - nickel (standard) 2 - chrome (on request)

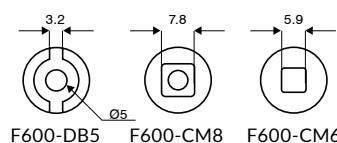
F813 PUSH AND TURN SPANNER LOCK



- IP65 rated
- Key available on request - refer to page 54

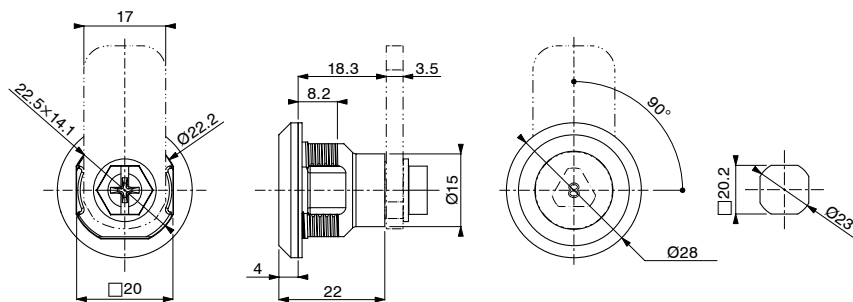


Available barrel shapes



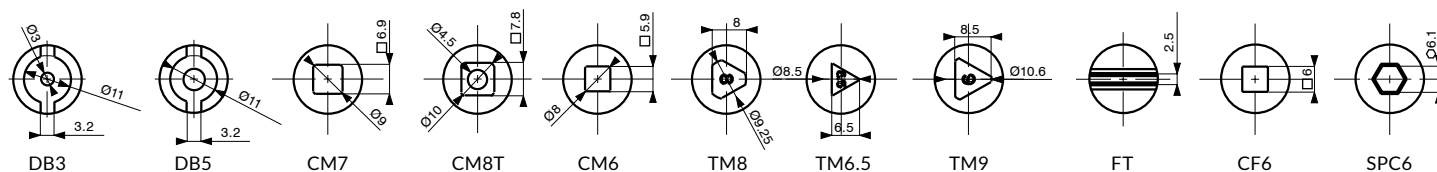
Available barrel shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
square, double bit	8; 9	7 mm	-	nut	cylindrical	2 - chrome (on request)

P721 SPANNER LOCK



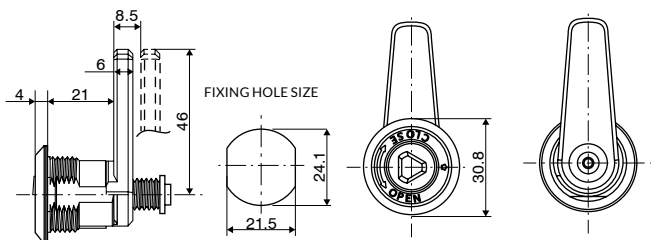
- IP65 rated
- Key available on request - refer to page 54

Available barrel shapes



Available barrel shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
double bit, triangle, square	8	11 mm	-	nut	conical	7 - nickel (standard) 2 - chrome (on request)

D144/D329 COMPRESSION LOCK



- IP65 rated

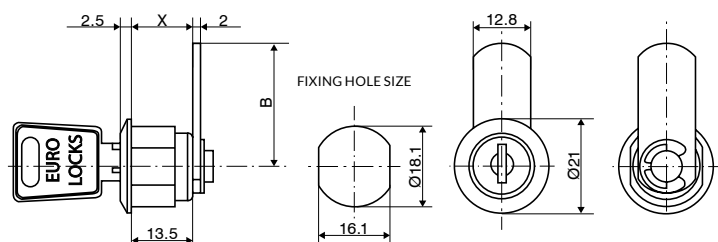
D144

D329



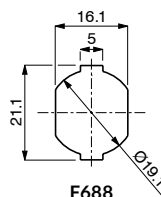
Available barrel shapes	Key movement to lock before tightening	Maximum panel thickness	Milling "X"	Lock fixing to panel	Cam stroke	Lock finish (electroplated coating)
triangle 8 mm; square 8 mm; "D" shape	90° to the right	6 mm	-	nut	8.5 mm	6A - zinc plated

P451 CAMLOCK (ENCLOSURES)



Key series	Number of available combinations	Key movement to unlock	Available variants of key combinations	Maximum panel thickness for nut fixing	Milling "X"	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
FH double entry	200	3	KTP; KTD; KTD5	6 mm	-	nut	round	plastic - RAL 7035

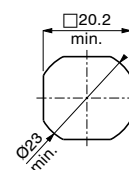
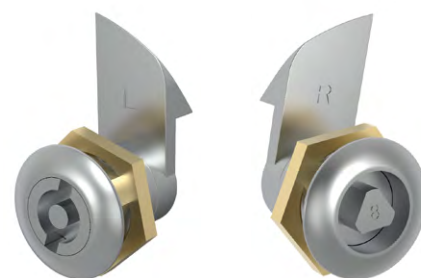
F688/F689/F758



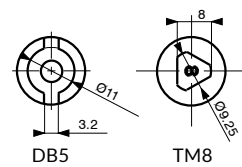
Product code	Key series	Number of available combinations	Maximum panel thickness for nut fixing	Body length	Head depth	Cam fixing	Finish	Housing fixing
F688	K	2000	10	20	28	screw	nickel (standard), chrome or black (on request)	nut (horseshoe clip on request)
F689	K		10	20				
F758	2000		21	25				

- Available with 1, 2, or 3-point cams
- Shackle's diameter: min 5 mm - max 7 mm
- Rosette: black plastic (other colours on request)

F594 SPRING-RETURN QUARTER TURN



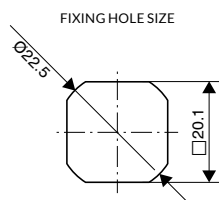
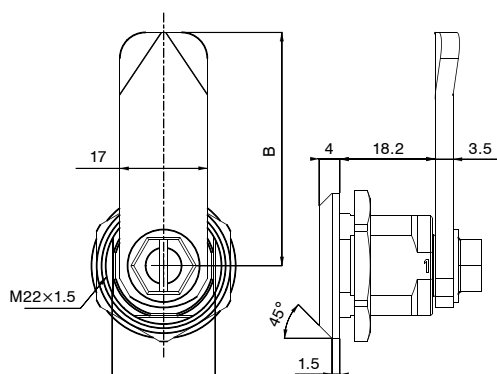
Available barrel shapes



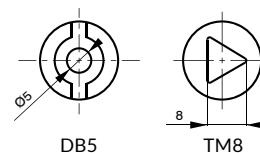
Available barrel shapes	Key movement to unlock	Maximum panel thickness	Milling "X"	Lock fixing to panel	Available head shapes	Lock finish (electroplated coating)
double bit, triangle	8; 9	8 mm	–	nut	conical	7 – nickel (standard) 2 – chrome (on request)

- Reduced mechanical play: stable, precise actuation with no wobble
- Fast action: ideal for „slam-to-lock” or quick-release applications
- Available for urban environments upon request – forged or stainless steel configurations offered based on study

P851 STAINLESS STEEL SPANNER LOCK



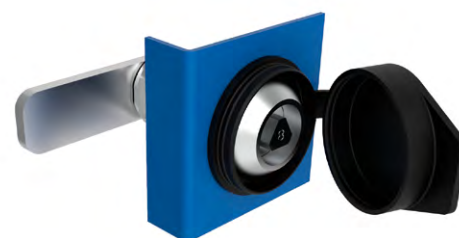
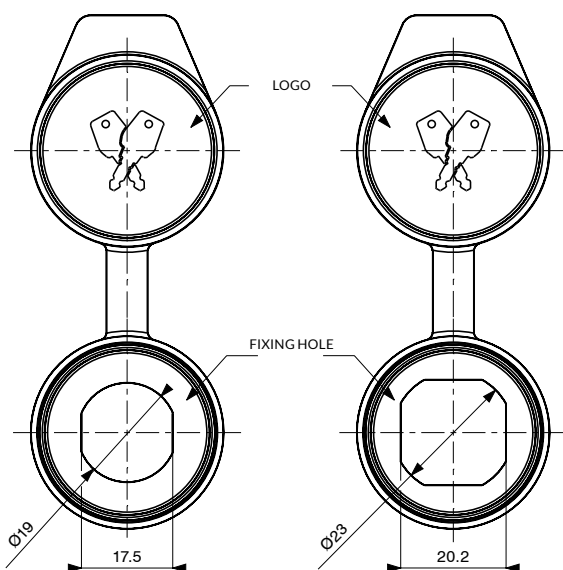
Available barrel shapes



Available barrel shapes	Key movement to unlock	Maximum panel thickness	Lock fixing to panel	Available head shapes	Material
double bit, triangle 8 mm	8	8 mm	nut	conical	AISI304/AISI316

• IP66 rated

W193 DUST COVER



W193	Fixing hole	Pad printing logo	Material
1	Ø19×17,5	0 With logo	PE
3	Ø23×□20,2	1 E-L logo	
		2 Client's logo *	

EXAMPLE: W193 – 3 – 1 – PE

• * Available on request only (please contact with office)

KEYS FOR SPANNER LOCKS

Barrel shape	Short keys		Long keys
	ZAMAK	PA6	ZAMAK
DB3	W196-DB5	W115	F8412-DB3
BD5	W196-DB5	W115	F8412-DB5
CM7			F8412-C7M
CM8T	W196-CM8	W164	F8412-C8M
CM6	W196-CM6	W177	F8412-C6M
CF6			F8080
TM6,5	W196-TM6,5	W118	F8412-T6.5
TM8	W196-TM8	W111	F8412-T8M
TM9		W121	F8412-T9M
ETM8	W196-ETM8		



F8412



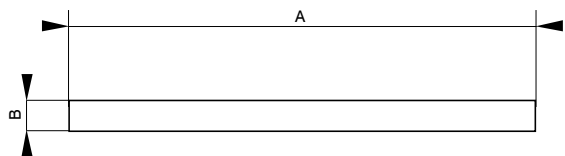
W115



W196



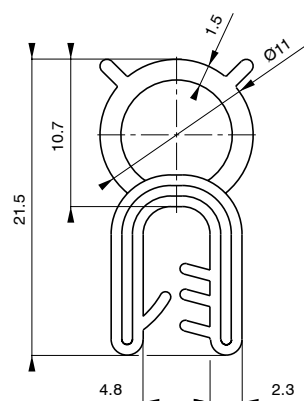
U306 CELL SPONGE RUBBER



- Material: black EPDM
- Range of A and B:
Thickness B: 1.5–20 mm
Width A: 5–100 mm
- Self-adhesive cell sponge rubber



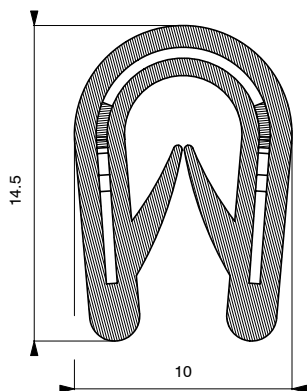
U200 SELF GRIPPING GASKET



- Material: Black EPDM or NBR
- For panel thickness: 1–3 mm
- Coil length: 50 mb
- MOQ: 100 mb



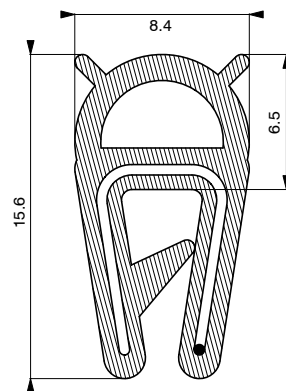
U226 EDGE PROTECTION



- Material: Black EPDM
- For panel thickness: 1–4 mm
- Coil length: 100 mb



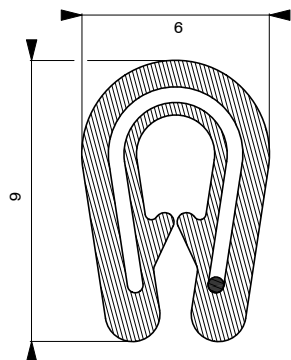
U222 SELF GRIPPING GASKET



- Material: Black EPDM
- For panel thickness: 1–2 mm
- Coil length: 50 mb
- MOQ: 100 mb



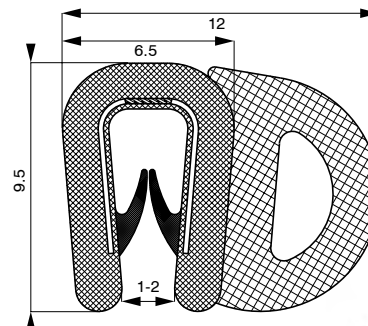
U227 EDGE PROTECTION



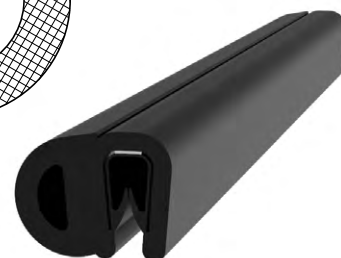
- Material: Black or grey EPDM
- For panel thickness: 1–2 mm
- Coil length: 100 mb



U225 SELF GRIPPING GASKET



- Material: Black EPDM
- For panel thickness: 1–2 mm
- Coil length: 100 mb



NOTES

[illegible]

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