



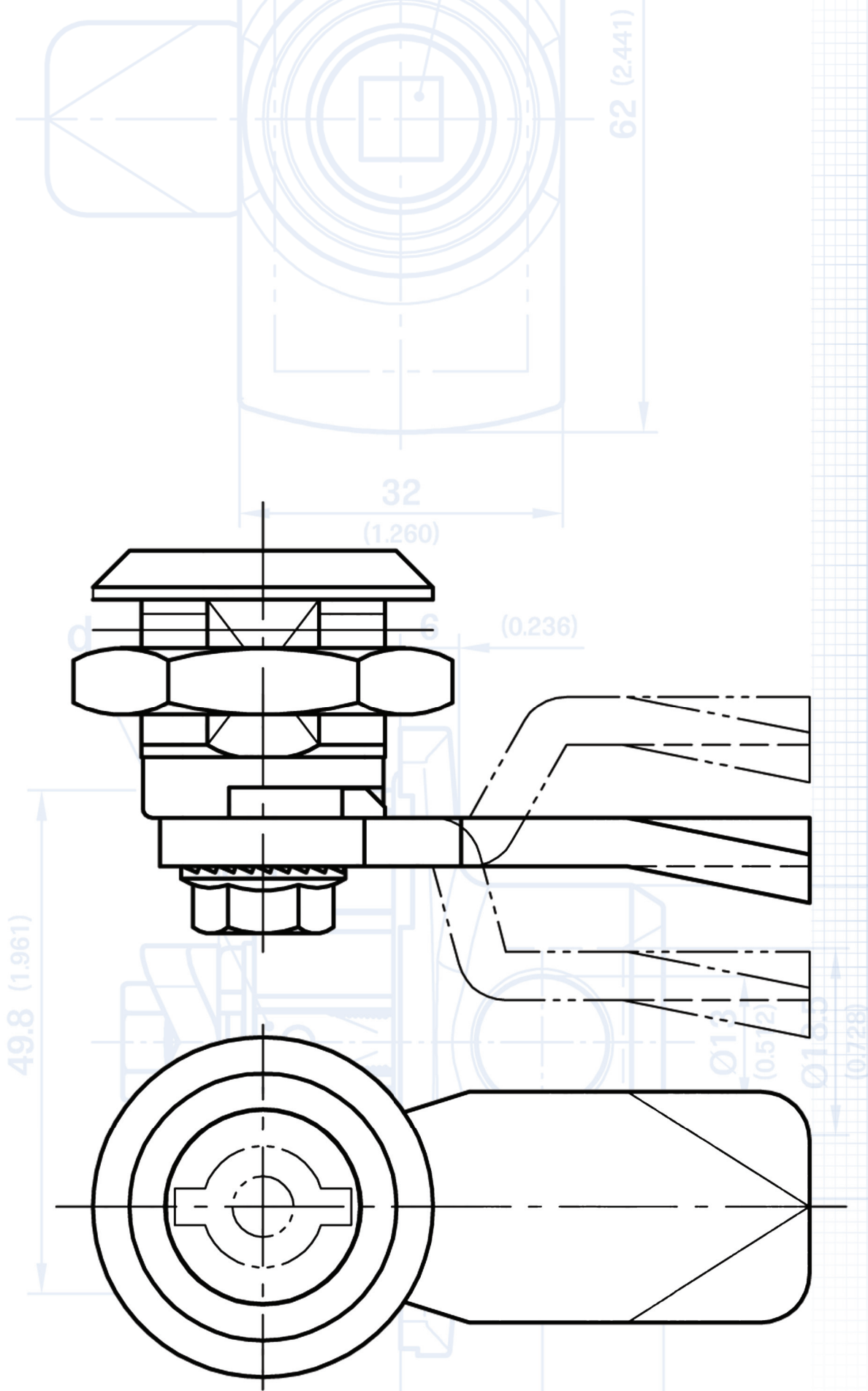
**METALIKA**  
Zapirna tehnika **KACIN**  
Locking and latching systems

# DIRAK

## Ključavnice

## Zapirala

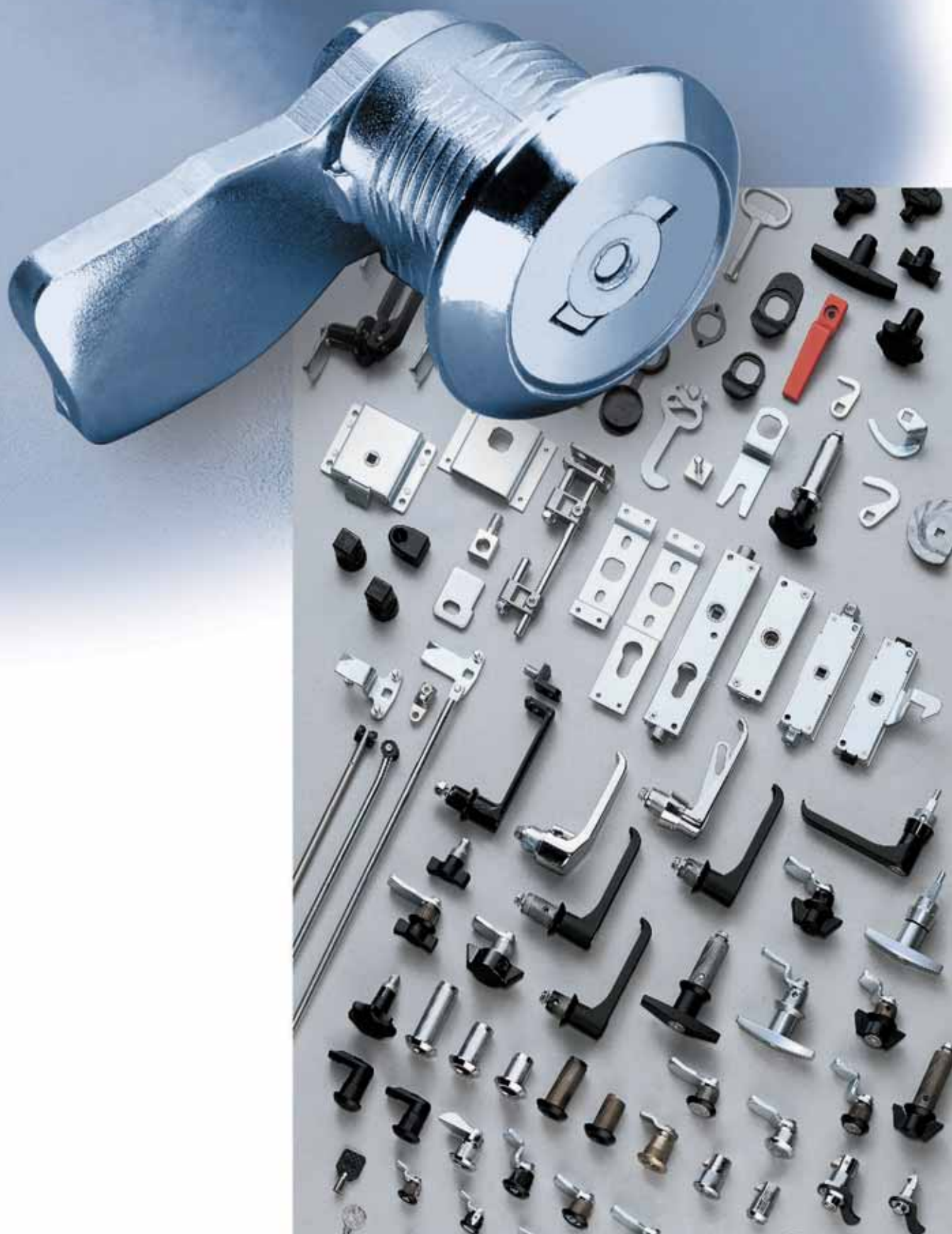















Quarter-Turn

# QUARTER-TURNS

# Quarter-Turns



# Overview Quarter-Turn

Product System	Version / Product Line	Material	Page
1-045 	Compression latch Pr 14.1	zinc die, black	02.12
1-048 	Quarter-Turn L13.5	PA, black or zinc die, chrome plated	02.18
1-050 	Quarter-Turn Pr14.1 L 13.5	zinc die, black or chrome plated or PA black	02.13
1-053 	Cylinder Quarter-Turn Pr14.1 L13.5	zinc die, chrome plated or black coated	02.14
1-054 	Cylinder Quarter-Turn L13.5	PA, black or zinc die, chrome plated	02.17
1-056 	Quarter-Turn with Wing Pr14.1 L13.5	zinc die, black or chrome plated	02.15
1-057 	Quarter-Turn Pr14.1 L13.5	PA, black	02.16
1-058 	Cams: 220 Series	steel, zinc plated	02.19
1-070 	Compression latch Pr20.1	zinc die, black	02.20
1-080 	Compression latch 21.6	zinc die, zinc plated	02.22
1-081 	Compression latch Pr20.1	zinc die, chrome plated or black coated	02.21

Quarter-Turn

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# Overview Quarter-Turn

Product System	Version / Product Line	Material	Page
1-082	Quarter-Turn Pr20.1 L12	zinc die, chrome plated or black coated	02.23
1-085	Safety Quarter-Turn Pr20.1 L18	zinc die, black or chrome plated	02.24
1-086 <b>NEW</b>	Quarter-Turn with FIAT Insert Pr.20.1 L 18	zinc die, chrome plated or black coated	02.25
1-095	Quarter-Turn Pr20.1 L18	PA, black	02.30
1-100	Quarter-Turn Pr20.1 L18	zinc die, black or chrome plated or PA black	02.26 02.27
1-101	Inserts	zinc die, black or chrome plated or PA black and zinc die combined	02.34 02.35
1-102	Cams L35 and 45	steel, zinc plated	02.58
1-107	Quarter-Turn Pr20.1 L18	PA, black	02.29
1-110	Quarter-Turn Pr20.1 L30-60	zinc die, chrome plated or black coated	02.31
1-112	Flush Quarter-Turn L22-66.	zinc die, chrome plated or black coated	02.56 02.57
1-115	Handle for Quarter-Turn	PA, black	02.36

Quarter-Turn

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# Overview Quarter-Turn

Product System	Version / Product Line	Material	Page
1-117	Quarter-Turn for padlock Pr20.1 L22-32	zinc die, chrome plated or black coated	02.40
1-120	Cylinder Quarter-Turn Pr20.1 L18	zinc die, chrome plated or black coated	02.37
1-121	Cylinder Quarter-Turn Pr20.1 L18	PA, black	02.38
1-125	Quarter-Turn with Combination Lock Pr20.1 L18	zinc die, chrome plated or black coated	02.43
1-130	Quarter-Turn with Wing Pr20.1 L18	zinc die, black	02.39
1-132	Quarter-Turn with Wing Pr20.1 L18/40	zinc die, chrome plated or black coated	02.41
1-135	Quarter-Turn with Handle Pr20.1 L18	PA, black with zinc die core	02.47
1-140	Quarter-Turn with Wing Pr20.1 L18/40	PA, black with zinc die core or zinc die, chrome plated or black coated	02.44
1-142	Quarter-Turn with Wing Pr20.1 L18	zinc die, nickel plated	02.45
1-150	Quarter-Turn with Handle Pr20.1 L18	PA, black with zinc die core or zinc die, chrome plated or black coated	02.48
1-151	Quarter-Turn with Handle Pr20.1 L18	PA, black with zinc die core	02.49

Quarter-Turn

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# Overview Quarter-Turn

Product System      Version / Product Line      Material      Page

1-153		Quarter-Turn with Handle Pr20.1 L18	zinc die, black	02.50
<b>NEW</b>				
1-154		Quarter-Turn with Handle Pr20.1 L18/40	zinc die, chrome plated or black coated	02.51
1-154.01		Quarter-Turn with Handle Pr20.1 L18	zinc die, black	02.52
1-155.01		Quarter-Turn with Handle Pr20.1 L30-60	PA, black with zinc die core or zinc die, chrome plated or black coated	02.53
1-155.02		Quarter-Turn with Wing Pr20.1 L30-60	PA, black with zinc die core or zinc die, chrome plated or black coated	02.46
1-160		Quarter-Turn L20	steel, zinc plated	02.55
1-170		Round rods with standard length	steel, zinc plated	02.75
1-180		Round rods with customized length	steel, zinc plated	02.76
1-181		Adapter, PA for round rods with clip-in installation for 3-point cam	PA, black	02.79
<b>NEW</b>				
1-190		Rod Guides	PA, black or grey	02.77
1-192		Rod Guide	PA, black	02.78

Quarter-Turn

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# Overview Quarter-Turn

Product System	Version / Product Line	Material	Page
1-200	Quarter-Turn Pr20.1 L18-60	zinc die, chrome plated	02.33
1-210	Quarter-Turn Pr20.1 L18	zinc die, chrome plated or black coated	02.28
1-260	Hooked cam	steel, zinc plated	02.60
1-261	Cam with ramp	steel, zinc plated	02.59
1-262	Cam with ramp	steel, zinc plated	02.61
1-264	Slam cam	zinc die, chrome plated	02.62
1-270	Dustcap and Finger Pull	PA, black	02.80
1-275	Emergency handle and anti-rotation device	zinc die, red	02.81
1-300	Slam-latch	steel, zinc plated	02.63
1-400	3-Point Latch	steel, zinc plated or zinc die	02.64 02.65
1-405	3-Point Latch	steel, zinc plated or zinc die	02.70 02.71

Quarter-Turn

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# Overview Quarter-Turn

Product System	Version / Product Line	Material	Page
1-410	Rod Latch	steel, zinc plated	02.72
1-415	Rod Latch	steel, zinc plated	02.73
1-430	Handle	zinc die, chrome plated or black coated	02.74
1-450	Explosion-Tight Door Furniture	steel, zinc plated or zinc die	02.66 02.67
1-451	Redirection for explosion tight door	steel, zinc plated	02.69
1-651	Quarter-Turn L18	zinc die, black	02.42
2-040	Quarter-Turn PrA L16	zinc die, untreated	02.54

Quarter-Turn

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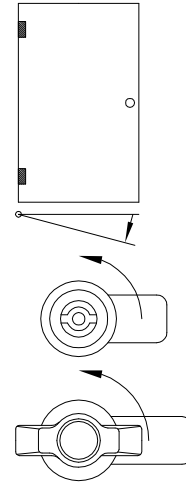
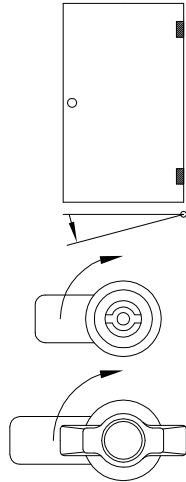
# Explanation 1: Door RH / LH

Explanation of Part No. for Cam-Assembling and Opening Directions

RH Door

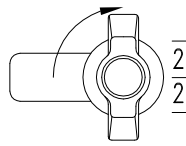
LH Door

Quarter-Turn

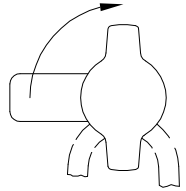
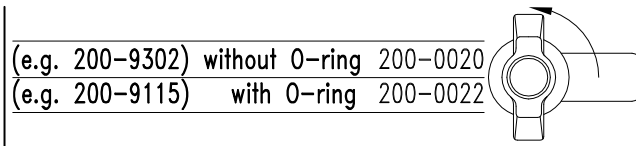


Assembling No.	
without O-ring	200-0001
with O-ring	200-0002

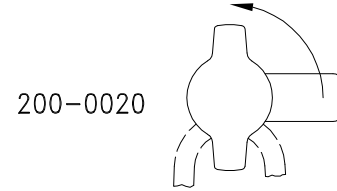
(e.g. 200-9302) without O-ring	200-0001
(e.g. 200-9115) with O-ring	200-0002



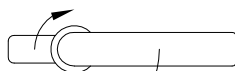
200-0019 without O-ring (e.g. 200-9302)	200-0020
200-0021 with O-ring (e.g. 200-9115)	200-0022



200-0019



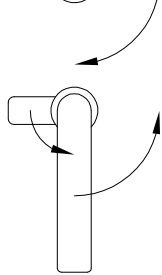
200-0020



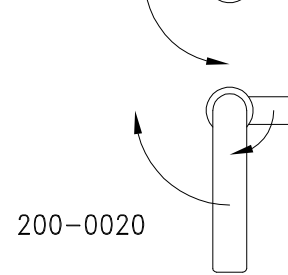
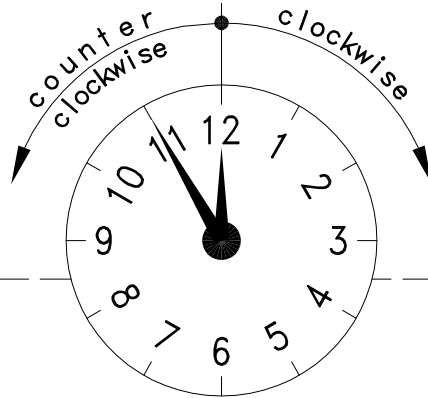
200-0001



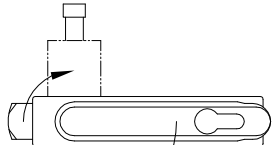
200-0001



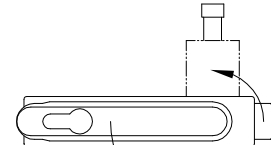
200-0019



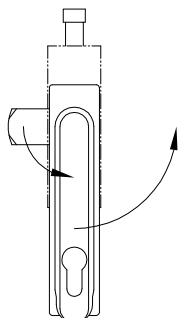
200-0020



Rod latch:  
RH version e.g.:  
235-9001  
238-9001  
238-9101



Rod latch:  
LH version e.g.:  
235-9002  
238-9002  
238-9102



Rod latch:  
LH version e.g.:  
235-9002  
238-9002  
238-9102

Rod latch:  
RH version e.g.:  
235-9001  
238-9001  
238-9101

Do not use Swinghandle as a lifting device!

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## Explanation 2: Typical Assembling for Quarter-Turn

Assembling instructions for DIRAK Quarter-Turns with standard- or extended housings.

- Explanation of the characters: All parts marked with the same character are in one unit and are included.

**Unit a consists of:**

- insert
- wave washer
- screw

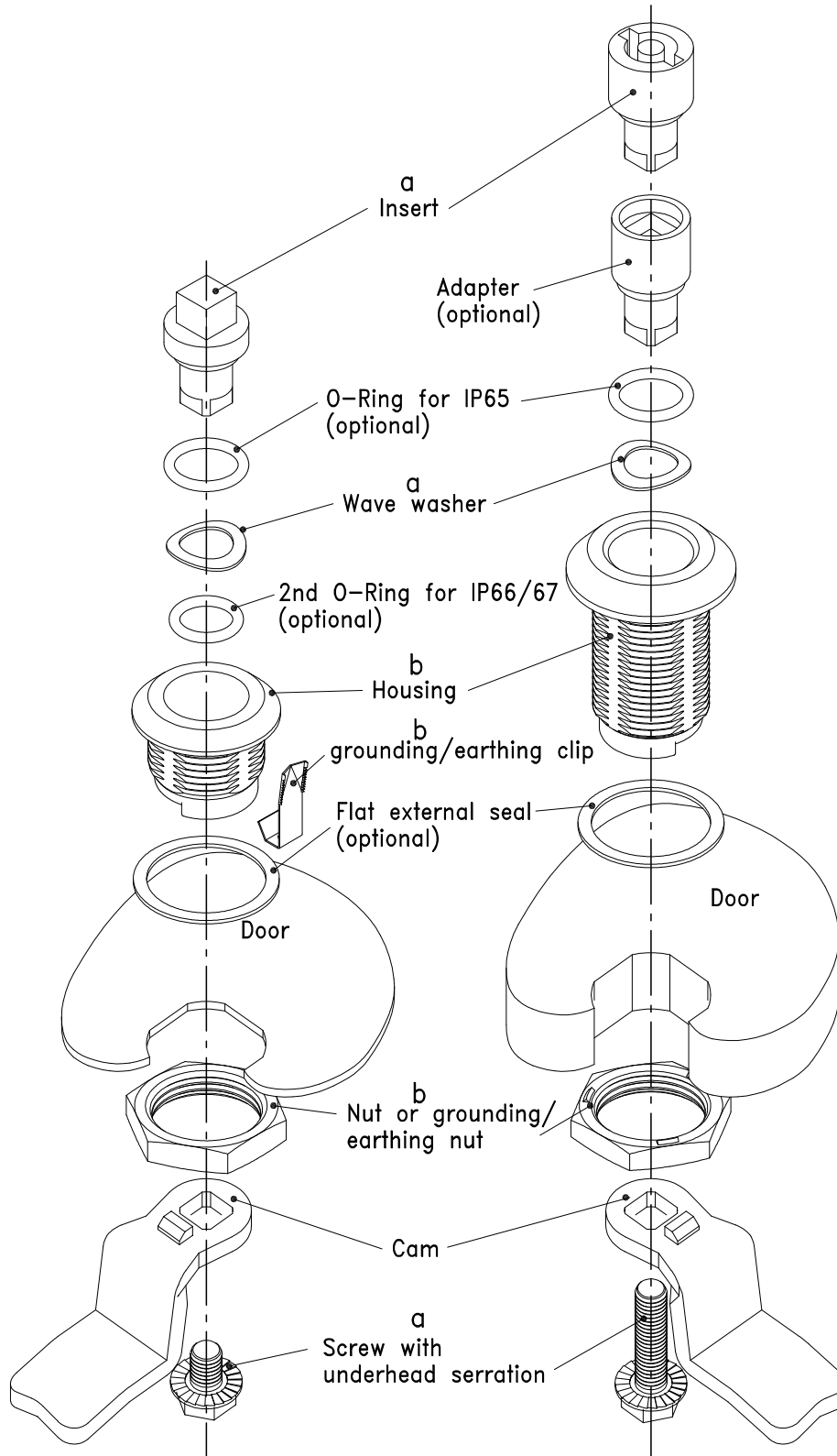
**Unit b consists of:**

- housing
- nut

**Attention:**

The grounding/earthing clip is included in unit b depending on the part number ordered. Please see page 02.26 and 02.27.

Call DIRAK about the outstanding advantages of the DIRAK grounding/earthing clip.



Quarter-Turn

# Explanation 3: Installation for a pre-assembled Quarter-Turn

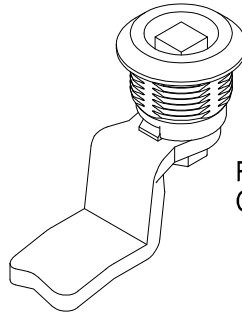
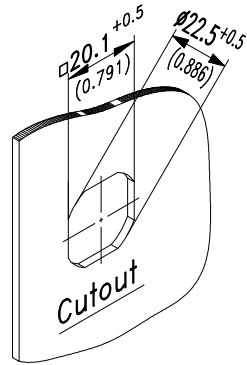
The pre-assembled DIRAK Quarter-Turns can be installed in the cutout according to the instructions to the left.

- This is made possible by the special shape of the cams and the housings.

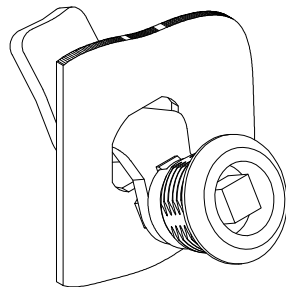
**Attention:**

The above mentioned installation is not possible for H-dimensions <13mm or thick doors.

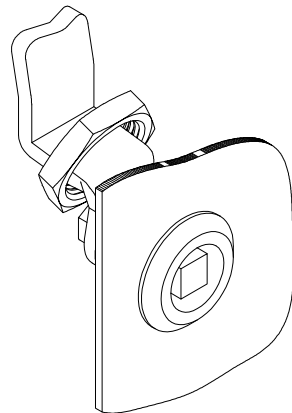
Quarter-Turn



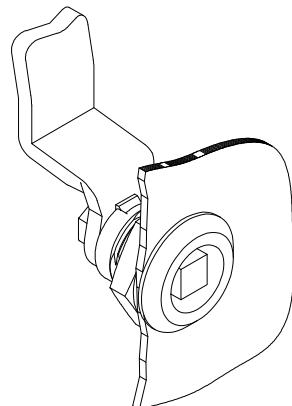
Pre-assembled Quarter-Turn...



...slip Quarter-Turn through cutout...



...slide nut over the cam against the housing...



...tighten nut...

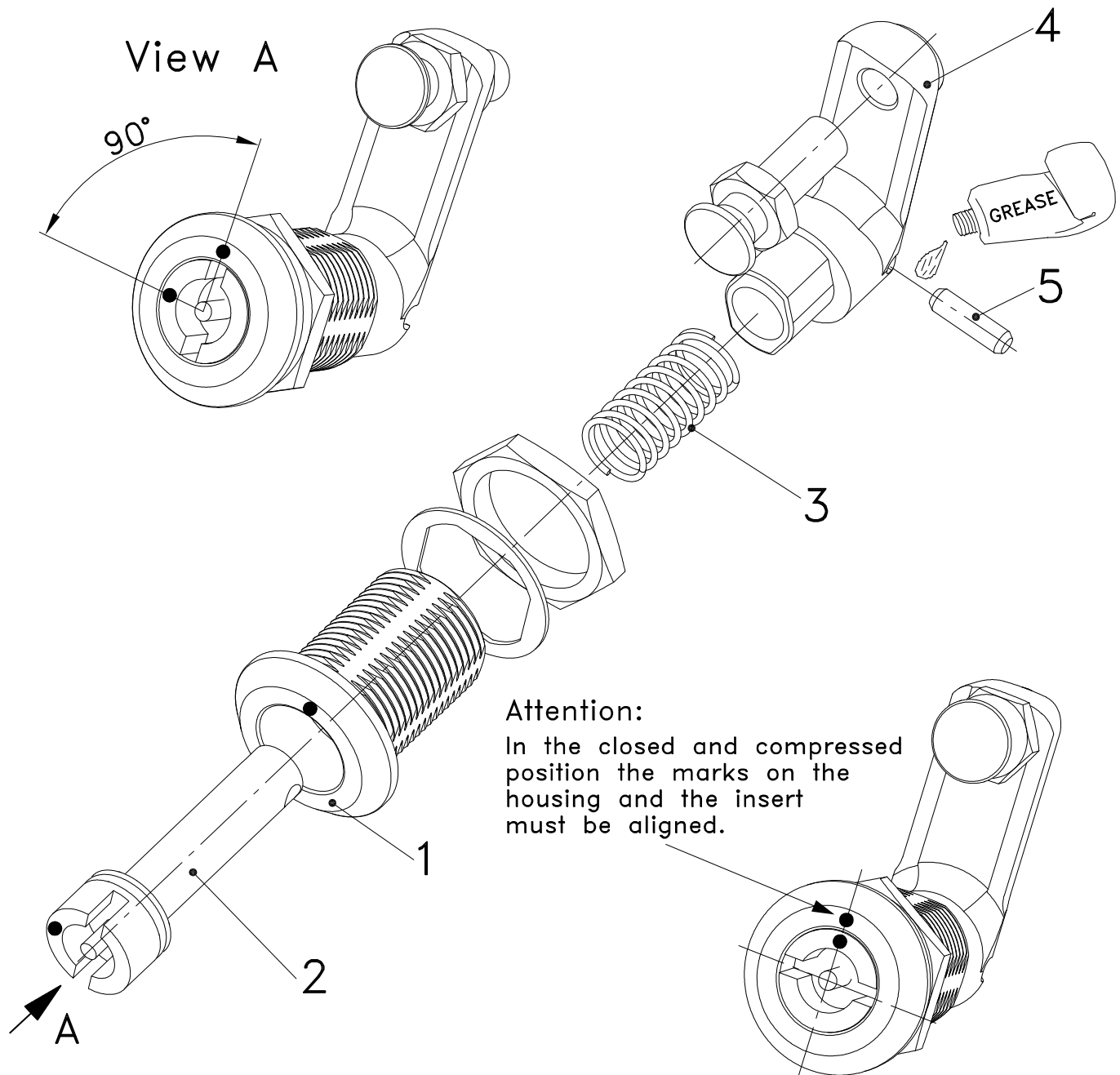
...the Quarter-Turn is completely fitted.

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# Explanation 4: Typical Assembling for Compression Latch

see page 02.21



- A) Install housing (1) with the mark into direction of the frame.
- B) Enter insert with fitted O-Ring (2) from the front. Make sure that the mark on the insert is positioned 90° counterclockwise to the mark on the housing.
- C) Slide spring (3) and cam (4) over the insert from the inside. (cam in the direction of the frame)
- D) Push cam (3) against the spring pressure and fit pin (5).
- E) Pin (5) and curve slopes MUST be greased generously.
- F) Install rest of hardware.

# 1-045 Compression Latch Pr 14.1



Compression latch with 4.5mm clamping grip.

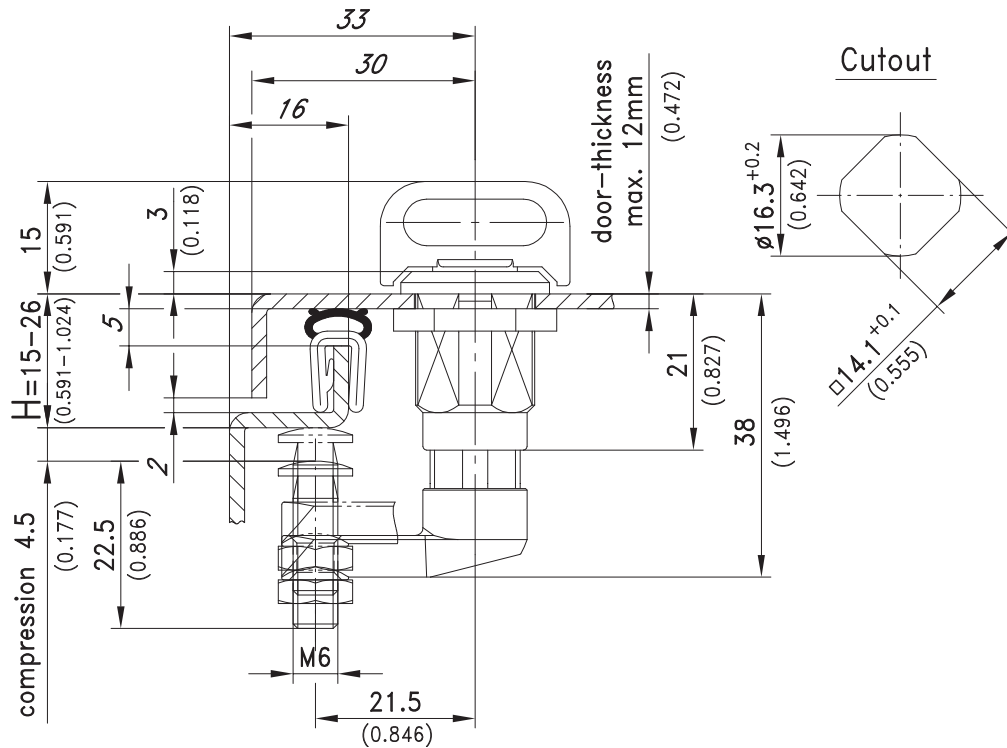
- The closing process is always clockwise.
- By turning the insert 90° the cam is at first put into closed position.
- By turning a further 90°, the cam will be pulled towards the frame.
- The H-dimension can be easily adjusted by the adjusting screw.
- Water- and dust-tight according to IP65 DIN EN 60529.
- A pre-assembled quarter-turn can be fitted through the cutout.

**Material:**

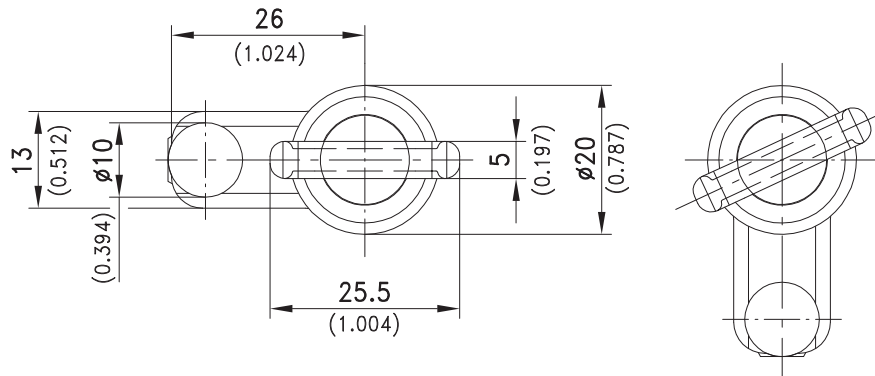
- **Housing and insert shaft:** zinc die, black
- **T-Handle:** PA, black
- **Cam:** zinc die, black
- **Adjusting screw and nut:** steel, zinc plated



Quarter-Turn



Position of cam and knob:  
 "closed and compressed"      "open"



- a) Compression latch (as drawn) complete with flat seal, nut and knob
- a1) slotted insert 4mm deep
- a2) socket hexagon (Allen) insert 4mm (5/32")

220-9313  
 220-9317  
 220-9318



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# 1-050 Quarter-Turn Pr14.1 L 13.5



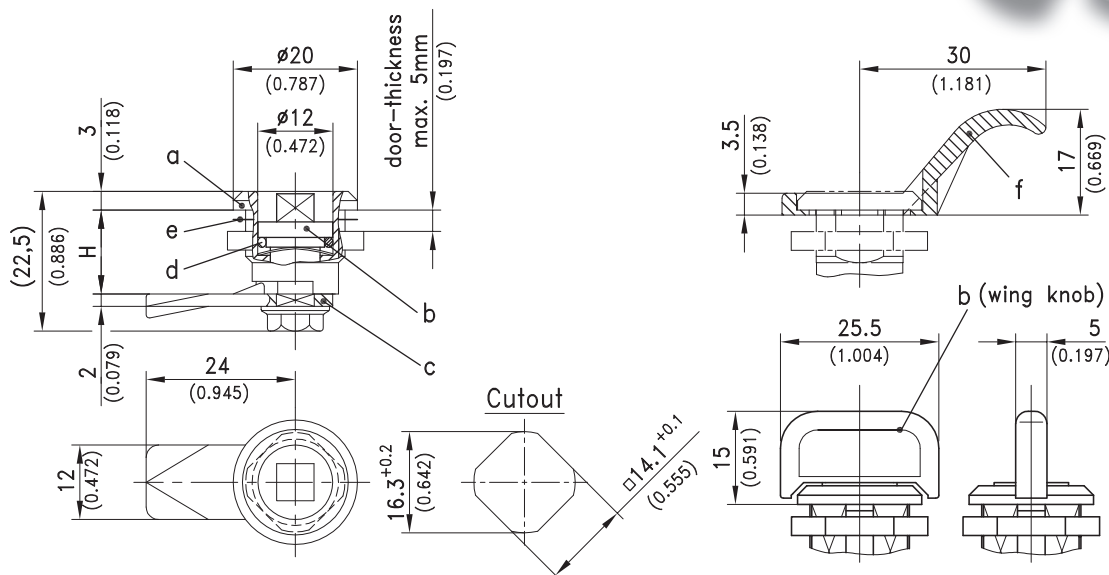
Quarter-Turn, RH or LH application. The Quarter-Turn consists of three basic components which can be combined to suit your application.

- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout and combined with the finger pull of page 05.6.

### Material:

- a) **Housing:** zinc die, black or chrome plated or PA black

- b) **Insert:** zinc die, chrome plated or black coated or combination of PA, black/zinc die
- Screw and wave washer:** steel, zinc plated
- Key:** zinc die
- c) **Cam:** steel, zinc plated
- f) **Finger pull:** PA, black



Quarter-Turn

Housing	PA, black	zinc die, chrome plated	zinc die, black	key, zinc die	see page
a) with nut	220-9020	220-9001	220-9003		
with grounding/earthing nut	220-9021	220-9002	220-9004		
with nut and grounding/earthing nut	220-9022	220-9005	220-9006		
b) Insert with screw and wave washer					
Triangular 6.5	-	220-9101	220-9104	204-0112	
Square 6	-	220-9102	220-9105	204-0111	
Slotted 1,5	-	220-9103	220-9106	-	
Socket hex. 4mm (5/32“)	-	220-9118	220-9119	-	
Socket hex. 6mm	-	220-9107	-	-	
Wing Knob, PA black / zinc die*	220-9117	-	-	-	
c) Cam H in mm steel zinc plated					
7,5	220-0503	220-0503	220-0503		
13,5	220-0501	220-0501	220-0501		
19,5	220-0502	220-0502	220-0502		
Special cams					02.19
Optional:					
Water and dust tight according to IP65 by:					
d) O-ring	220-0601	220-0601	220-0601		
e) Flat external seal:	220-0701	220-0701	220-0701		
f) Finger pull:	220-1301	220-1301	220-1301		
When using finger pull the H-dimension decreases by 0.8mm!					
g) Assembling	220-0001	220-0001	220-0001		
Assembling with O-ring	220-0002	220-0002	220-0002		
*Assembling to b) Wing Knob cam 90° to wing Knob	220-0006	-	-		
*Assembling to b) Wing Knob cam 90° to Wing Knob, with O-ring	220-0007	-	-		

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# 1-053 Cylinder Quarter-Turn Pr14.1 L13.5

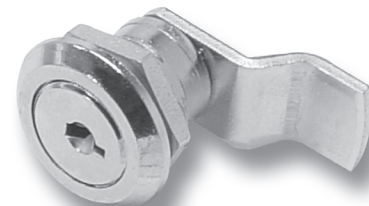


Cylinder Quarter-Turn with 90° rotation, nut fixing.

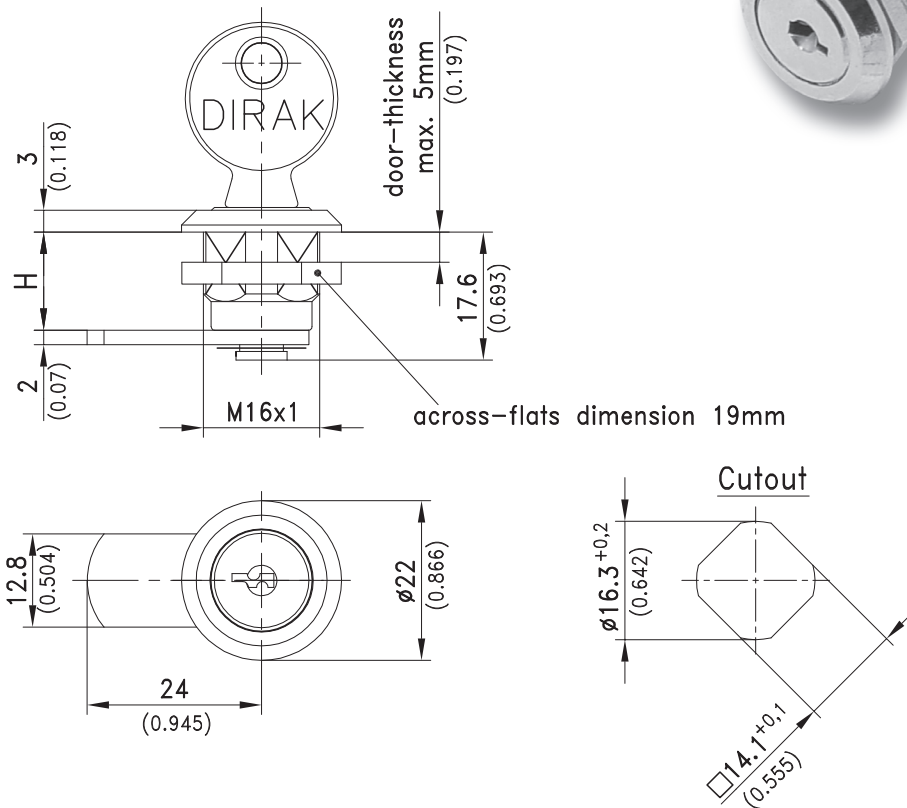
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- **Housing:** zinc die, chrome plated or black coated
- **Cylinder:** zinc die, chrome plated
- **Nut and cam:** steel, zinc plated



Quarter-Turn



Locking type	H in mm	with nut		with grounding/earthing nut	
		with standard nut	with grounding/earthing nut	with standard nut	with grounding/earthing nut
		riveted cam*	cam fixed with c-clip	riveted cam*	cam fixed with c-clip
keyed alike	7,5	220-9207	(220-9207.00-07200)	220-9213	(220-9213.00-07200)
DIRAK 2233X	13,5 (drawn)	220-9208	(220-9208.00-07200)	220-9214	(220-9214.00-07200)
	19,5	220-9209	(220-9209.00-07200)	220-9215	(220-9215.00-07200)
keyed different/mixed	7,5	220-9210	(220-9210.00-07200)	220-9216	(220-9216.00-07200)
	13,5 (drawn)	220-9211	(220-9211.00-07200)	220-9217	(220-9217.00-07200)
	19,5	220-9212	(220-9212.00-07200)	220-9218	(220-9218.00-07200)

**\*ATTENTION: The door thickness of the quarter-turns with riveted cam must not exceed 3mm!**

Locking type	H in mm	with standard nut	
		cam fixed with c-clip	
keyed alike	7,5	(220-9220.00-07200)	
DIRAK 2233X	13,5 (drawn)	(220-9221.00-07200)	
	19,5	(220-9222.00-07200)	
keyed different/mixed	7,5	(220-9223.00-07200)	
	13,5 (drawn)	(220-9224.00-07200)	
	19,5	(220-9225.00-07200)	

**Special cams**

All locks supplied with two keys.

02.19

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# 1-056 Quarter-Turn with Wing Pr14.1 L13.5

with cylinder

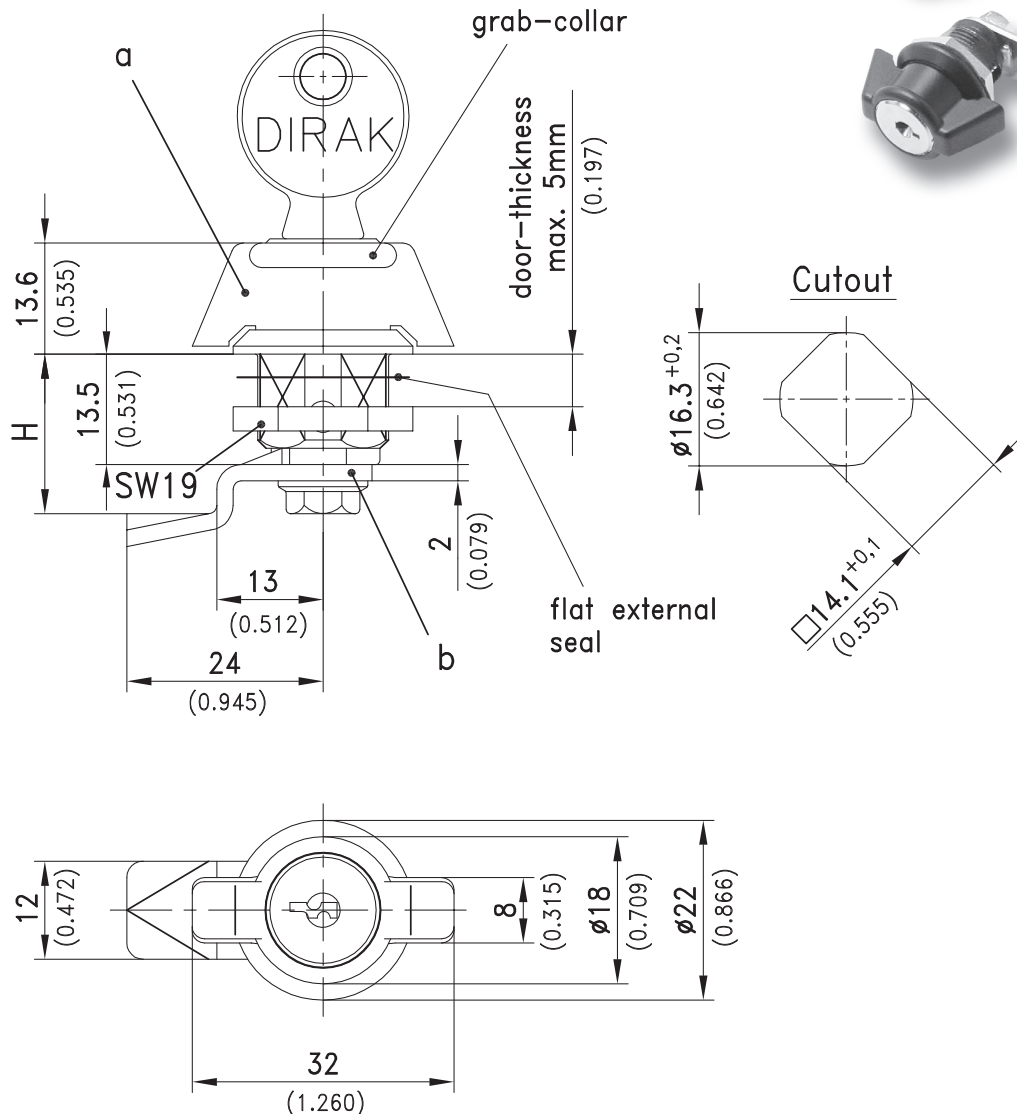


Wing Quarter-Turn with 90° rotation, RH or LH application.

- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- a) **Wing handle and housing:** zinc die, black or chrome plated
- b) **Cam:** steel, zinc plated



Quarter-Turn

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a) Wing Quarter-Turn with housing	chrome plated		black coated		see page
	screw and flat external seal	with nut	with grounding/ earthing nut	with nut	
non locking		220-9301	220-9302	220-9307	220-9308
keyed alike DIRAK 2233X		220-9303	220-9304	220-9309	220-9310
keyed different/mixed		220-9305	220-9306	220-9311	220-9312
b) Cam H in mm					
7,5		220-0503	220-0503	220-0503	220-0503
13,5		220-0501	220-0501	220-0501	220-0501
19,5		220-0502	220-0502	220-0502	220-0502
Special cams					02.19
Optional:					
c) Assembling		220-0001	220-0001	220-0001	220-0001
Assembling cam 90° to handle		220-0004	220-0004	220-0004	220-0004

All locks supplied with two keys.

# 1-057 Quarter-Turn Pr14.1 L13.5

Clip-in



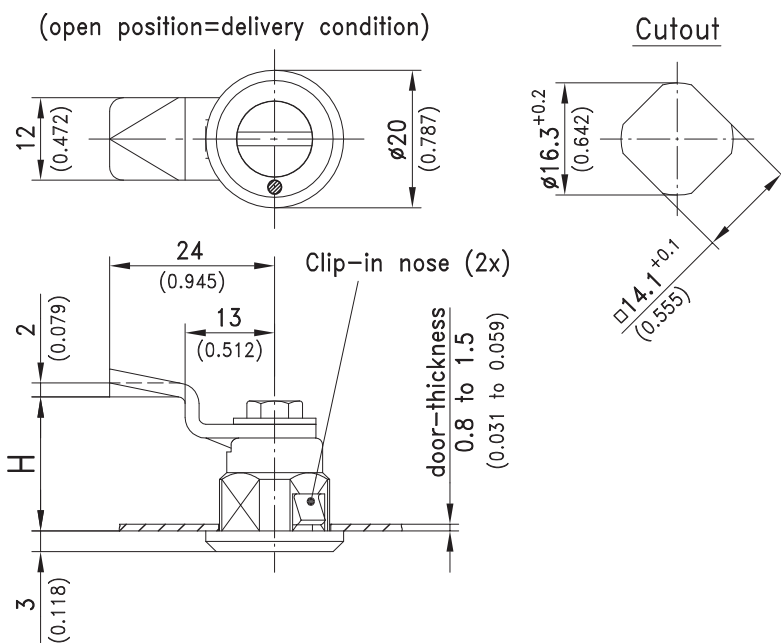
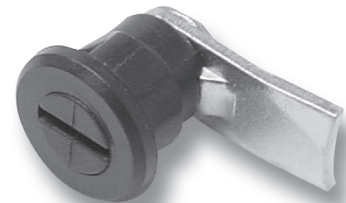
Quarter-Turn

Clip-in Quarter-Turn, RH or LH application.

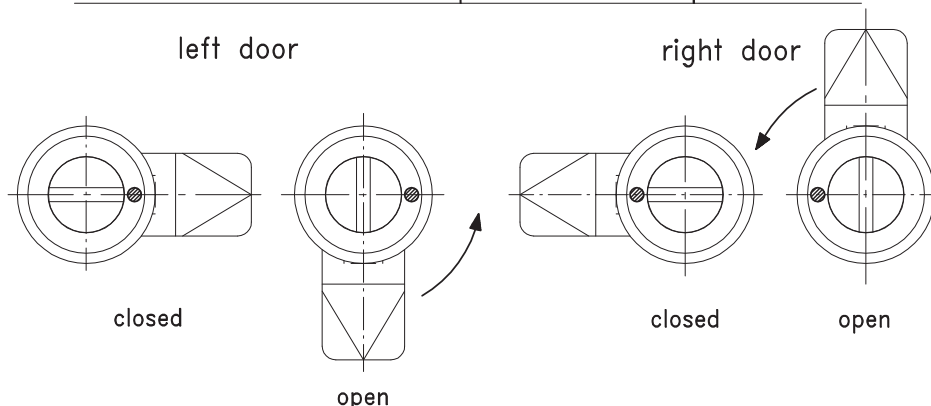
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **Explanation of the clip-in feature:**
- The 2 clip-in noses (refer to drawing) must be able to move into the direction of the insert.
- This is only possible in the assembled delivery condition (OPEN) as supplied by DIRAK.
- In the position "closed" the 2 clip-in noses can NOT move inwards, resulting in secure and strong fixation in the cutout.

**Material:**

- a)
  - **Housing:** PA, black
  - **Insert:** PA, black
  - **Hexagon head screw:** stainless steel
- b)
  - **Cam:** steel, zinc plated



installation instruction for pre-assembled quarter-turn



a) Housing with insert	Part No.	see page
Slotted 2x4mm deep	220-9701	
b) Cam H in mm		
7,5	220-0503	
13,5	220-0501	
19,5	220-0502	
Special cams		02.19
c) Assembling (always in open condition)	220-0008	

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# 1-054 Cylinder Quarter-Turn L13.5



Cylinder Quarter-Turn with 90° rotation and fixing clip. PA-version is electrically insulated.

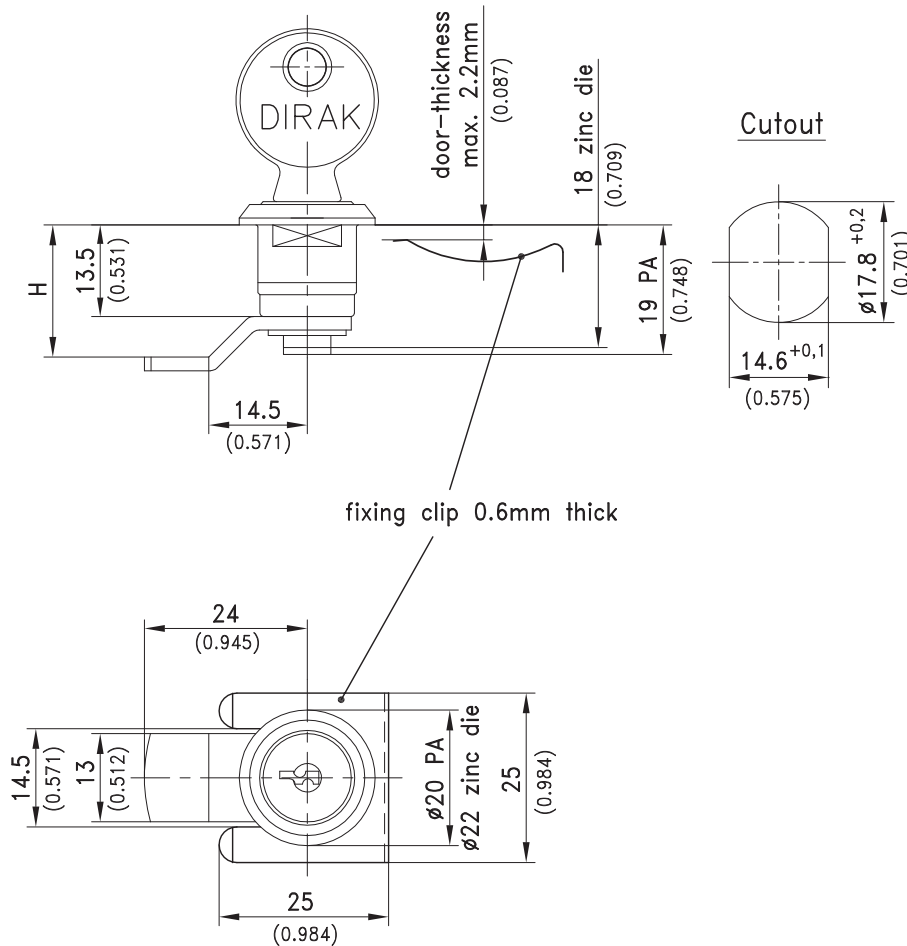
- RH or LH application.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- **Housing and cylinder:** PA, black or zinc die, chrome plated
- **Fastening clip and cam:** steel, zinc plated



Quarter-Turn



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		zinc die, chrome plated		see page
		standard	special version	
<b>Locking type</b>	<b>H in mm</b>	<b>PA, black</b>	<b>riveted cam</b>	<b>cam fixed with C-clip</b>
<b>keyed alike</b>	<b>7,5</b>	<b>220-9601</b>	<b>220-9201</b>	<b>(220-9201.00-07200)</b>
	<b>13,5</b>	<b>220-9602</b>	<b>220-9202</b>	<b>(220-9202.00-07200)</b>
	<b>19,5</b>	<b>220-9603</b>	<b>220-9203</b>	<b>(220-9203.00-07200)</b>
<b>keyed different/mixed</b>	<b>7,5</b>	<b>220-9604</b>	<b>220-9204</b>	<b>(220-9204.00-07200)</b>
	<b>13,5</b>	<b>220-9605</b>	<b>220-9205</b>	<b>(220-9205.00-07200)</b>
	<b>19,5</b>	<b>220-9606</b>	<b>220-9206</b>	<b>(220-9206.00-07200)</b>
<b>Special cams</b>				<b>02.19</b>
<b>All locks supplied with two keys.</b>				

# 1-048 Quarter-Turn L13.5



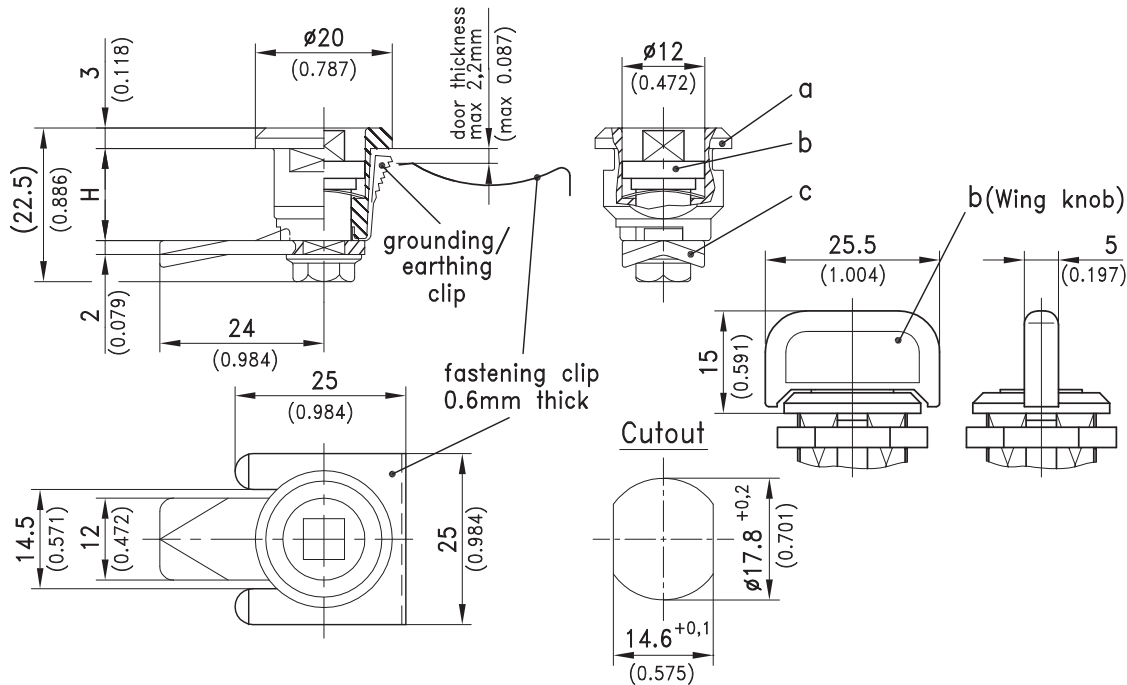
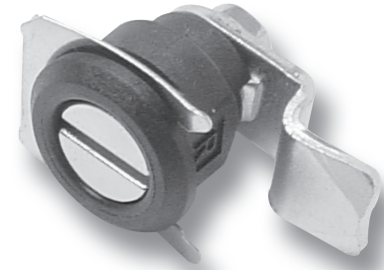
This Quarter-Turn consists of three basic parts which can be combined to suit your application.

- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- Max. IP54.

**Material:**

- a) **Housing:**  
PA, black or zinc die, chrome plated
- **Fixing clip:**  
steel, zinc plated
- **Grounding/Earthing clip:**  
stainless steel

- b) **Insert:**  
zinc die, chrome plated or black coated or combination of PA, black/ zinc die
- **Screw and wave washer:**  
steel, zinc plated
- **Key:**  
zinc die
- c) **Cam:**  
steel, zinc plated



a) Housing	PA, black	zinc die, chrome plated	see page
RH with fixing clip	220-9501	220-9013	
RH with fixing clip and grounding/earthing clip	220-9503	220-9007	
Attention: On LH doors the opening direction is clockwise, this is different to the description			02.08
b) Insert	PA, black and zinc die	zinc die, chrome plated	zinc die, black
with screw and wave washer			key (zinc die)
Triangular 6.5	-	220-9101	220-9104
Square 6	-	220-9102	220-9105
Slotted 1,5	-	220-9103	220-9106
Socket hex. 4mm (5/32")	-	220-9118	220-9119
Socket hex. 6mm	-	220-9107	-
Wing Knob*	220-9117	-	-
c) Cam H in mm/inch	steel, zinc plated		
7,5	220-0503	220-0503	220-0503
13,5	220-0501	220-0501	220-0501
19,5	220-0502	220-0502	220-0502
Special cams			
Optional:			
d) Assembling	220-0001	220-0001	220-0001
*Assembling to b) Wing Knob cam 90° to Wing Knob	220-0006	-	-

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# 1-058 Cams:

L and H variable for series 220.



Special cams for Quarter-Turn series 220.

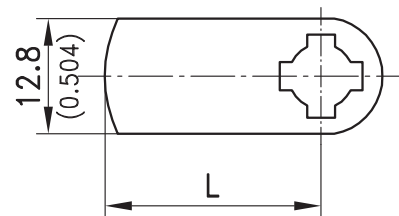
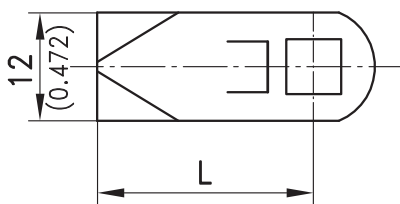
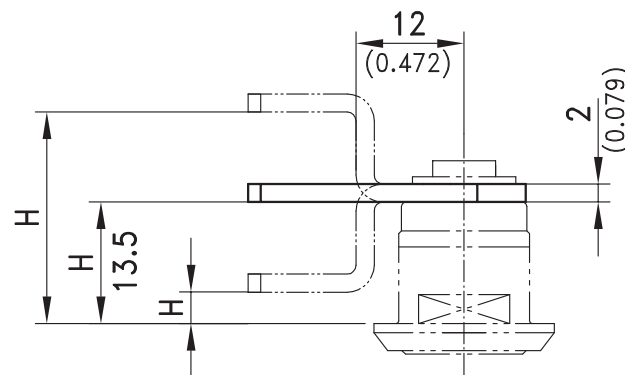
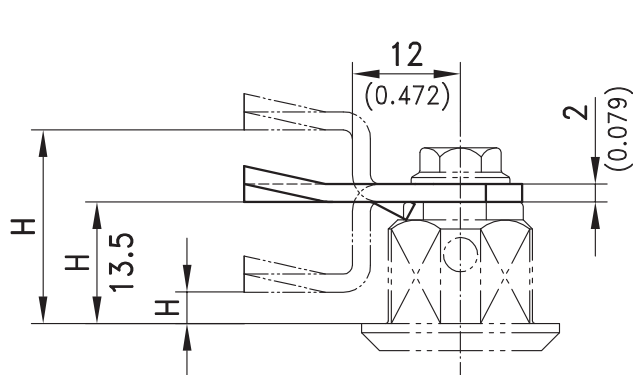
**Material:**  
 • Cams:  
 steel, zinc plated



Quarter-Turn

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**Part No. for cams with square-connection and variable L- and H-dimensions**

L- and H-dimensions, see page 02.18, 02.13, 02.15 or 02.16:

220-1000.00-00000

L in mm \_\_\_\_\_ H in mm

**Example for cam with square-connection with L=24 and H=34**

220-1024.00-00034

Minimum order quantity and delivery time on request.

**Part No. for cams with star-connection and variable L- and H-dimensions**

L- and H-dimensions, see page 02.14 or 02.17:

220-2000.00-00000

L in mm \_\_\_\_\_ H in mm

**Example for cam with star-connection with L=24 and H=34**

220-2024.00-00034

Minimum order quantity and delivery time on request.



## 1-078 Kompressions-Drehriegel Pr20.1



### Benefits:

- ▶ Compression 6mm.
- ▶ Vibration-proof.
- ▶ RH and LH version.
- ▶ The coloured marking on the casing top indicates the opened/closed position in form of a padlock.
- ▶ IP 65/67 according to DIN EN 60529.
- ▶ The H-dimension can be varied via the cranking of the cams.
- ▶ Grounding by grounding nut.

### Material:

- ▶ **Housing, insert:** zinc die, chrome plated glossy
- ▶ **Axis:** steel, zinc plated
- ▶ **Grounding nut:** zinc die

Negatively bent cams can **not** be installed pre-assembled.

1. = Foamed sealing PUR

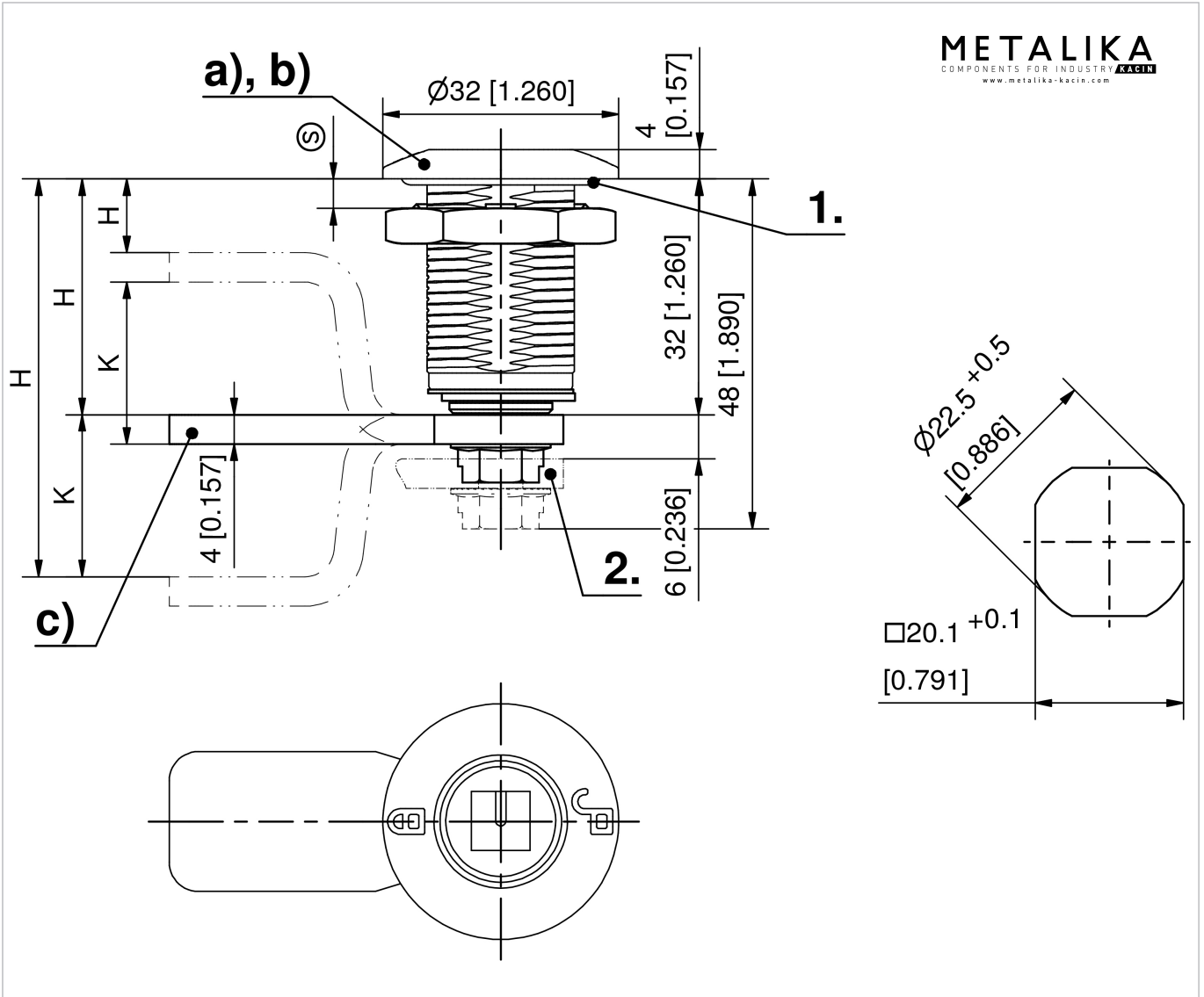


## Compression Latch, short axis

	Part Number	Insert	Door-thickness	Version	Compression	Construction depth
a)	248-9802.01-01201	Square 8mm	max.22mm	RH	6 mm	48 mm
a)	248-9803.01-01201	Double bit 3mm pin	max.22mm	RH	6 mm	48 mm
a)	248-9804.01-01201	Double bit 5mm pin	max.22mm	RH	6 mm	48 mm
a)	248-9807.01-01201	Triangular 8mm	max.22mm	RH	6 mm	48 mm
a)	248-9808.01-01201	Conical square 9mm	max.22mm	RH	6 mm	48 mm
b)	248-9802.01-02201	Square 8mm	max.22mm	LH	6 mm	48 mm
b)	248-9803.01-02201	Double bit 3mm pin	max.22mm	LH	6 mm	48 mm
b)	248-9804.01-02201	Double bit 5mm pin	max.22mm	LH	6 mm	48 mm
b)	248-9807.01-02201	Triangular 8mm	max.22mm	LH	6 mm	48 mm
b)	248-9808.01-02201	Conical square 9mm	max.22mm	LH	6 mm	48 mm

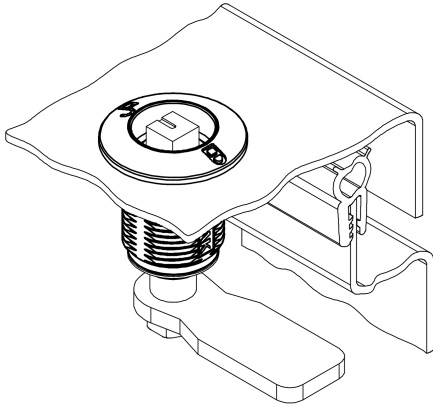
### Complementary Products:

	1-102.01	Cams L45 without Ramp and Stop
c)	6-100	Key
	200-4103.00-00000	Dust cap
	200-4601.00-00000	Anti-rotation Device
	200-4601.02-00000	Anti-rotation Device

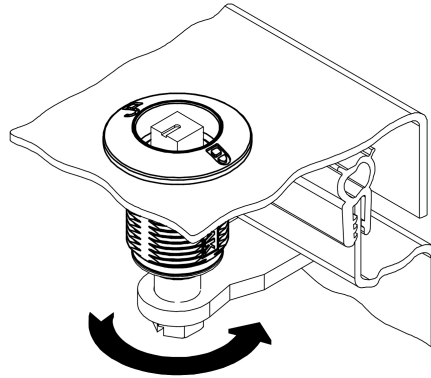




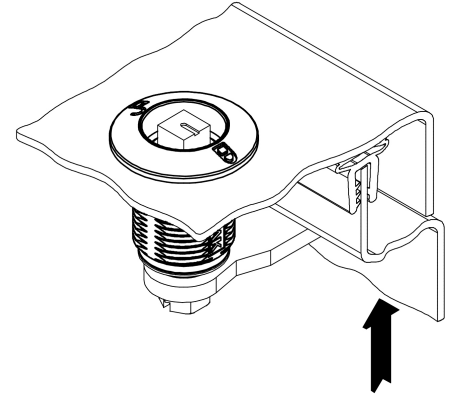
## Operation



open, unlatched position



First 90° rotation: the cam latches behind the frame into the locked position. The door cannot be opened.



A further 90° rotation will pull the already latched cam towards the frame around 6mm [0.236]: the seal is compressed, the door is latched and free of play.

# 1-081 Compression-Latch Pr20.1



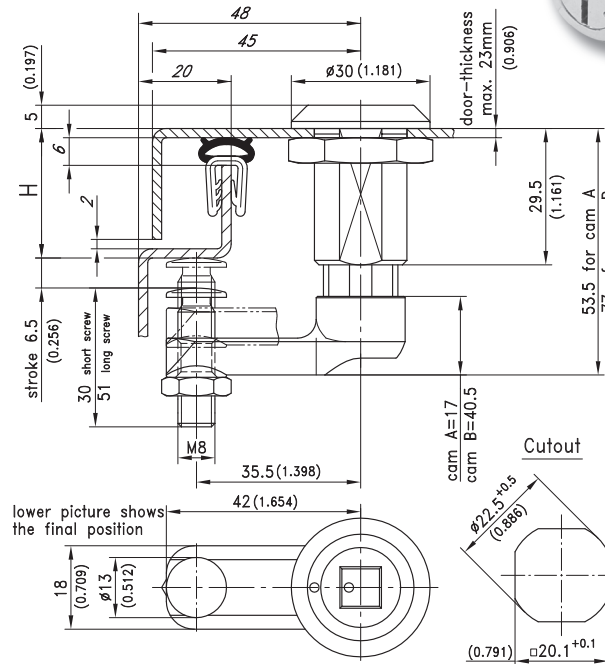
HD compression latch with 6,5mm clamping grip.

- This Quarter-Turn consists of three basic parts which can be combined to suit your application.
- By turning the insert 90° the cam is at first put into closed position.
- By turning a further 90°, the cam will be pulled towards the frame.
- Matching dots mark the final position (see lower drawing).
- The H-dimension can be easily adjusted by the adjusting screw.
- Water- and dust-tight according to IP65 DIN EN 60529.
- Typical assembling please refer to page 02.11.

**Material:**

- a) and a')
- **Housing:** zinc die, chrome plated or black coated
- b)
- **Insert:** brass, chrome plated, zinc die, black or chrome plated
- **Drip handle:** zinc die, black
- **Spring:** stainless steel

- c)
- **Cam:** zinc die, chrome plated
  - **Adjusting screw:** steel, zinc plated
  - **Nut:** steel, zinc plated



Quarter-Turn

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closing way			
a) Housing, zinc die, chrome plated		clockwise	counterclockwise
Nuts:		100-9001	-
Grounding/Earthing nut:		100-9002	100-9013
a1) Housing, zinc die, chrome plated with flat seal and			
Grounding/Earthing nut:		100-9014	100-9015
b) Insert with O-ring, spring and peg			
Square 7mm	100-9104	Slotted 2x4mm deep	100-9109
Square 8mm	100-9105	Drip handle**	100-9110
Triangular 7mm	100-9106	(Cam in line with handle)	
Triangular 8mm	100-9107	shape as shown on page 02.47	
Double bit 3 pin	100-9103	Drip handle*	100-9111
Double bit 5 pin	100-9102*	(Handle is on 90° to the cam)	
Hex 10mm	100-9101	Hex 7/16"	100-9132
Socket head 5/16", zinc die black			100-9114
Socket head 5/16", zinc die black			100-9123
a) + b) SPECIAL VERSION: insert and housing for railway			on request
closing way			
c) Cam with adjusting screw and nut M8		clockwise	counterclockwise
(cam A, long screw)		200-9611	200-9614
(cam A, short screw)		200-9610	200-9618
(cam B, long screw)		200-9613	-
(cam B, short screw)		200-9612	-
d) Assembling (compulsory)			200-0064
Assembling: drip-handle 90° left door			200-0070
Assembling: drip-handle 90° right door			200-0071
* Price and delivery time on request			

# 1-080 Compression Quarter-Turn 21.6

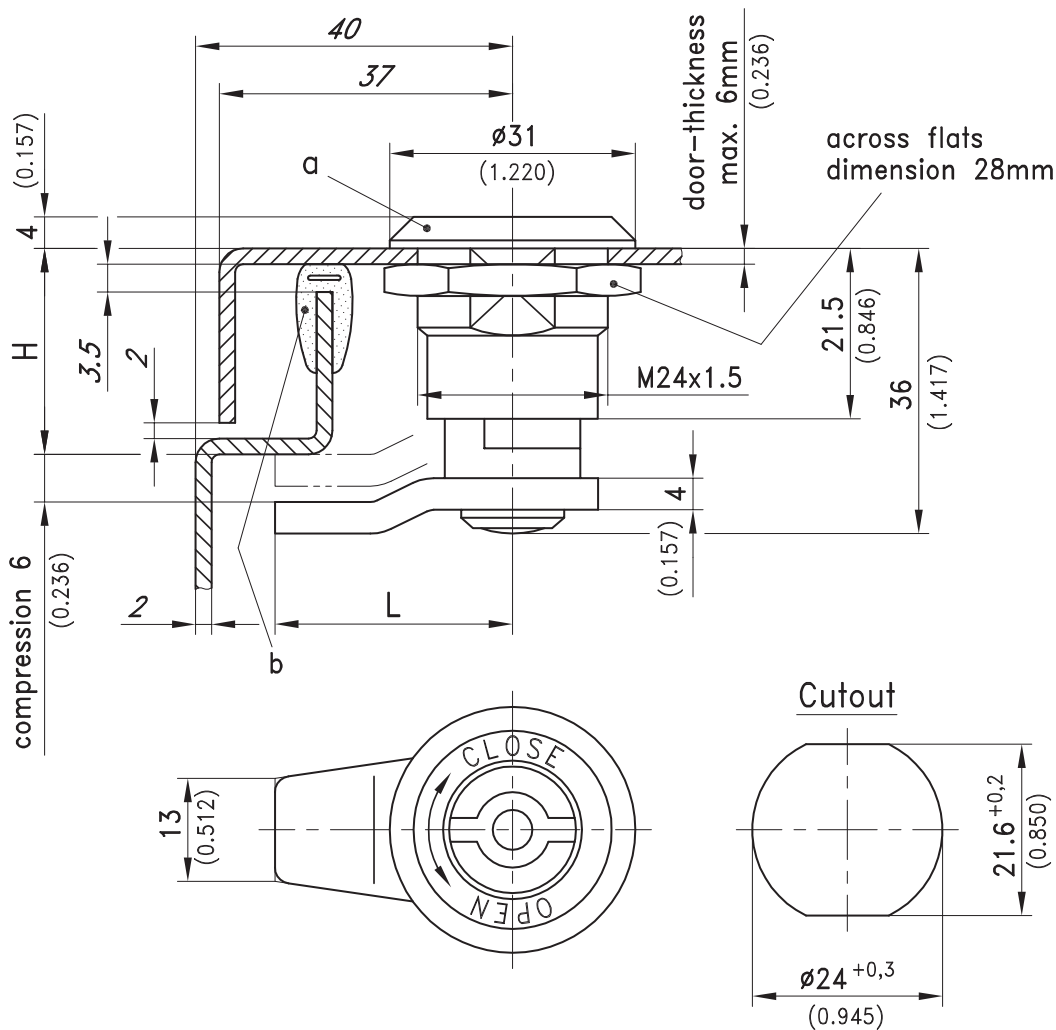
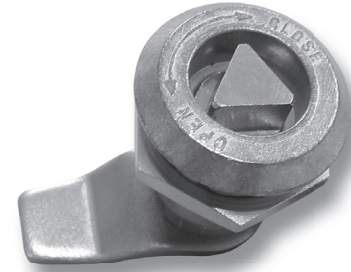


Compression Quarter-Turn with 6mm clamping-grip.

- RH or LH application
- Vibration proof
- The closing process is always clockwise.
- By turning the insert 90° the cam is at first put into closed position.
- Continuing rotation to the right will pull the cam towards the door.

**Material:**

- **Housing:**  
zinc die, zinc plated
- **Insert:**  
brass, nickel plated
- **Spring and Cam:**  
stainless steel
- **Nut:**  
steel, zinc plated



Quarter-Turn

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a) Compression Quarter-Turn	H 18/L 30	H 21,5/L 30	H 27/L 30	H 20/L 45	H 21,5/L 45	see page
<b>Insert</b>						
Square 7	248-9001.35	248-9009.35*	248-9017.35	248-9025.35*	248-9033.35	
Square 8	248-9002.35*	248-9010.35*	248-9018.35	248-9026.35*	248-9034.35	
Triangular 7	248-9003.35	248-9011.35	248-9019.35*	248-9027.35*	248-9035.35	
Triangular 8	248-9004.35*	248-9012.35*	248-9020.35	248-9028.35*	248-9036.35*	
Triangular 10	248-9005.35*	248-9013.35*	248-9021.35*	248-9029.35*	248-9037.35*	
Double bit 3 pin	248-9006.35	248-9014.35*	248-9022.35*	248-9030.35*	248-9038.35	
Double bit 5 pin	248-9007.35*	248-9015.35*	248-9023.35	248-9031.35*	248-9039.35*	
Slotted 2x4mm deep	248-9008.35*	248-9016.35	248-9024.35	248-9032.35*	248-9040.35*	
b) e.g. Clip-on profile	209-0302.00	209-0302.00	209-0302.00	209-0302.00	209-0302.00	07.9

\* Price and delivery time on request

# 1-082 Quarter-Turn Pr20.1 L12



Quarter-Turn housing 12mm.

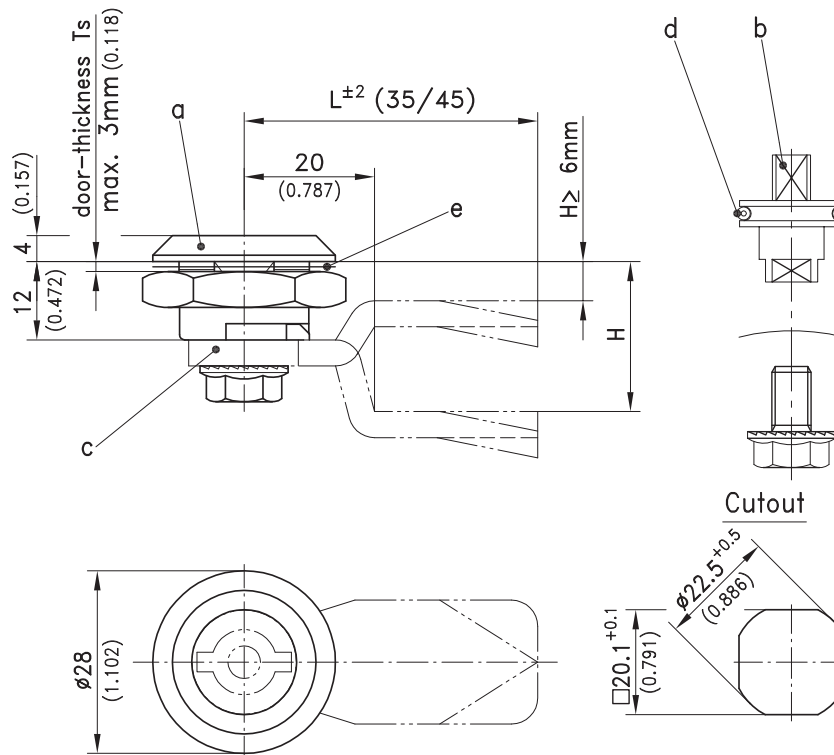
- RH or LH application.
- The Quarter-Turn consists of three basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- Key (PA, black or zinc die) please see page 09.8.

**Material:**

- a) **Housing:**  
zinc die, chrome plated or black coated
- b) **Insert:**  
zinc die, chrome plated
- c) **Cams:**  
steel, zinc plated



Quarter-Turn



a) Housing 12mm	zinc die, chrome plated	zinc die, black	see page
with nut	100-9030	100-9032	
with grounding/earthing nut	100-9031	-	
b) Insert			02.34, 02.35
Square 6mm	100-9129.00-00001		
Square 7mm	100-9129.00-00002		
Square 8mm	100-9129.00-00003		
Triangular 7mm	100-9129.00-00004		
Triangular 8mm	100-9129.00-00005		
Double bit 3	100-9129.00-00006		
Double bit 5	100-9129.00-00007		
c) Cam			02.30, 02.58, 02.61

**Attention: to be aimed at H ≥ 6mm**

**Optional:**

**Water and dust tight according to IP65 by:**

d) O-ring	200-1001	200-1001
e) Flat external seal	200-0901	200-0901
f) Assembling	200-0001	200-0001
Assembling with O-ring	200-0002	200-0002

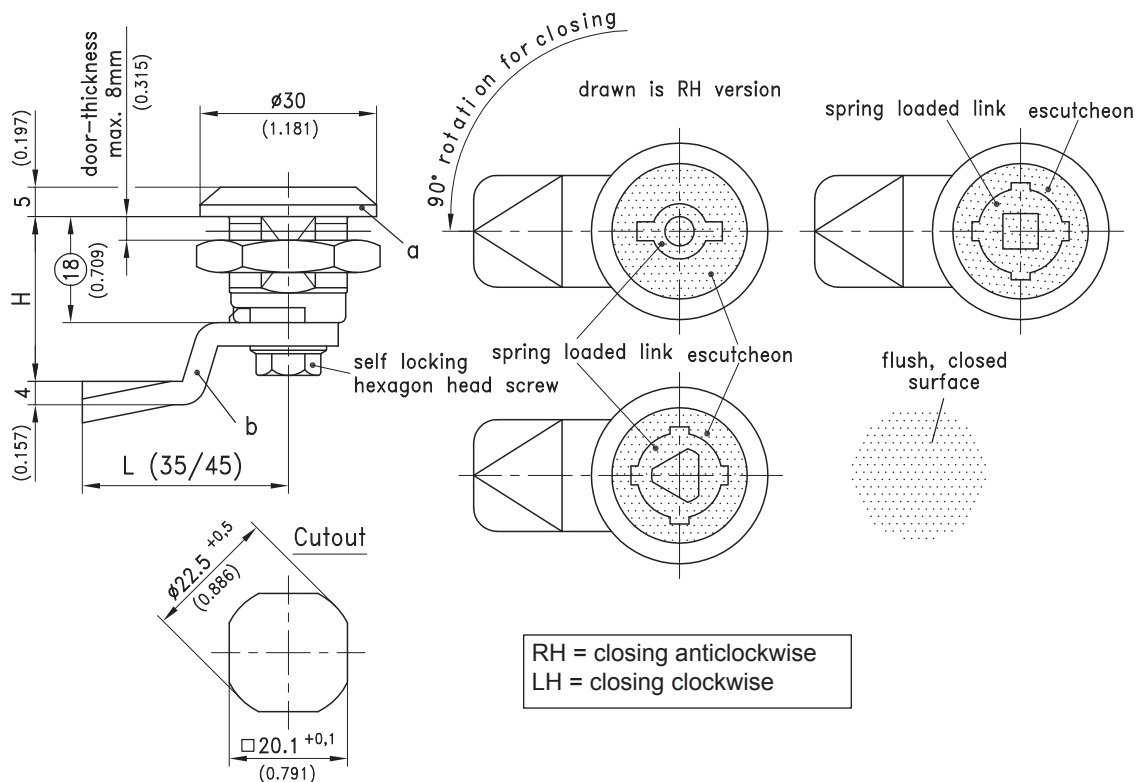
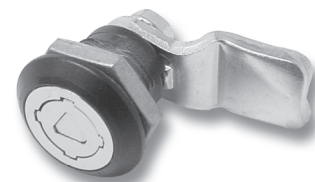
# 1-085 Safety Quarter-Turn Pr20.1 L18



Quarter-Turn

Safety Quarter-Turn, vibration-proof also at high sealing pressure. **Material:**

- With the double bit versions the key is captive in the open position, according to DIN 43668.
  - Water- and dust-tight according to IP65 DIN EN 60529.
  - On request parts can be assembled by DIRAK.
  - **An additional advantage:** completely closed housing surface
  - **Note: Also the black coated version always has the insert, escutcheon and link in chrome plating.**
- a) **Housing:** zinc die, black or chrome plated
  - **Spring loaded link and Escutcheon:** zinc die, chrome plated
  - **Insert:** zinc die, chrome plated
  - b) **Cam:** steel, zinc plated or b1)
  - **Cam:** PA, black



RH = closing anticlockwise  
LH = closing clockwise

a) Control Unit completely assembled and sealed (IP65), but without cam			see page
Insert		Housing, chrome plated	Housing black
Square 6	RH / LH	255-9801	255-9851
Square 7	RH / LH	255-9802	255-9852
Square 8	RH / LH	255-9803	255-9853
Triangular 6,5 CNOMO	RH / LH	255-9806	255-9856
Triangular 7	RH / LH	255-9804	255-9854
Triangular 8	RH / LH	255-9805	255-9855
Double bit 3 pin	RH*	255-9807	255-9857
Double bit 3 pin	LH	255-9808	255-9858
Double bit 5 pin	RH*	255-9809	255-9859
Double bit 5 pin	LH	255-9810	255-9860
Keys for inserts			09.8
b) Cam steel (zinc plated)			02.58
b1) Cam PA (black)			02.30
Special cams			02.61
Optional:			
c) Assembling without O-ring		200-0001	200-0001
Stainless steel version			10.9

\*as drawn

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# 1-086 Quarter-Turn with FIAT Insert Pr.20.1 L 18



IP 65

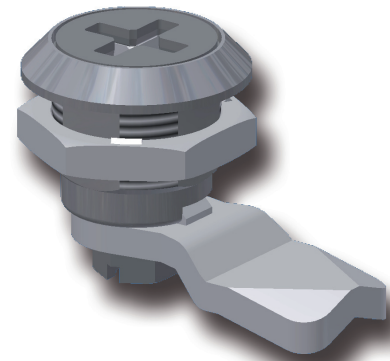


Quarter-Turn with FIAT insert.  
Cutout 20,1mm.

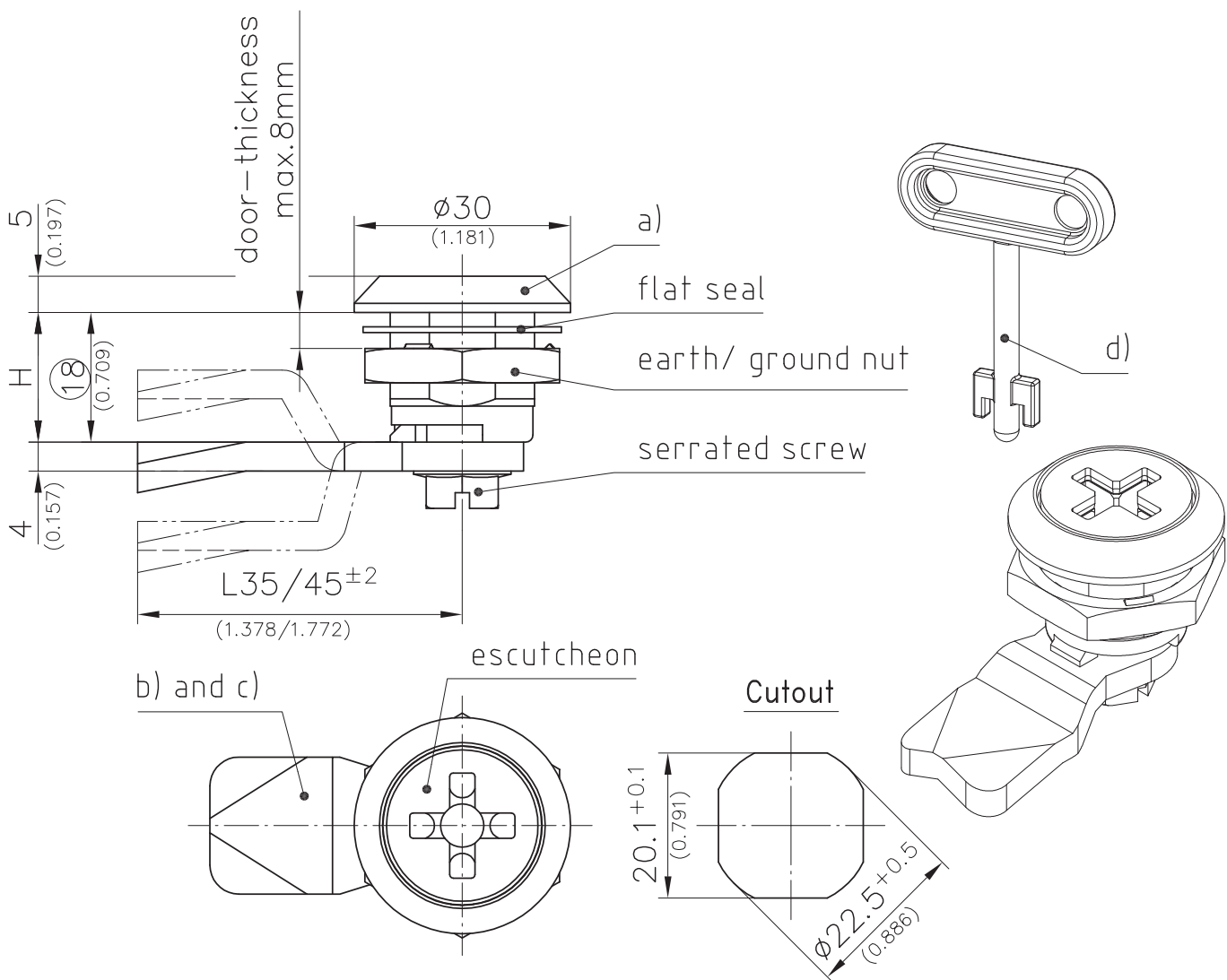
- Not possible without an appropriate key.
- The key is removable in 90° steps.
- LH and RH application.
- On request parts can be assembled by DIRAK.
- Water- and dust-tight according to IP65 DIN EN 60529.
- Grounding/ Earthing by earthing nut.

**Material:**

- **Housing:** zinc die, chrome plated or black coated
- **Insert and Escutcheon:** zinc die, chrome plated
- **Grounding/Earthing nut:** zinc die
- **Flat external seal:** NBR/Perbunan, black
- **O-Ring:** NBR/Perbunan, black
- **Serrated screw:** steel, zinc plated



Quarter-Turn



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	Housing, chrome plated	Housing black	see page
a) Quarter-Turn version FIAT	255-9811.00-00000	255-9861.00-00000	
b) Cams			02.30, 02.58, 02.61, 10.10, 10.12
c) 3-point cams			02.58, 03.38
d) Key FIAT	204-0302.42-00000	204-0302.42-00000	09.8
e) Please contact DIRAK for part no. of a completely pre-assembled Quarter-Turn.			

# 1-100 Quarter-Turn Pr20.1 L18

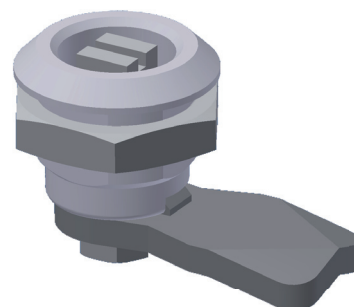


Quarter-Turn, RH or LH application.

- The Quarter-Turn consists of three basic components a) to a4), b) and c) which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed through the cutout.
- Housings with extended bodies see page 02.31.

## Material:

- **Housing:**  
zinc die, black or chrome plated or PA black
- **Nuts:**  
steel, zinc plated
- **Grounding/Earthing nut:**  
zinc die, natural
- **Grounding/Earthing clip:**  
stainless steel



Quarter-Turn

<b>a) Housing 28</b>	<b>Zinc die, chrome plated</b>	<b>zinc die, black</b>	<b>PA black</b>	<b>see page</b>
with nut	200-9001	200-9048	200-9003	
with grounding/earthing nut	200-9002	200-9049		
with nut and grounding/earthing clip	200-9062	200-9063	200-9004	
<b>a1) Housing 30x4</b>				
with nut	200-9045	200-9054		
with grounding/earthing nut	200-9046	200-9055		
<b>a2) Housing 32x6</b>				
with nut	200-9005	200-9050	200-9007	
with grounding/earthing nut	200-9006	200-9051		
with nut and grounding/earthing clip			200-9008	
<b>a2) Housing 30x6</b>				
with nut	200-9009	200-9052		
with grounding/earthing nut	200-9010	200-9053		
<b>a4) Blind housing 28x4</b>				
with nut		235-9209		
<b>b) Inserts</b>				<b>02.34</b>
<b>c) Cams</b>				<b>02.58</b>
<b>c1) Special cams</b>				<b>02.59, 02.60, 02.62</b>
<b>d) Keys</b>				<b>09.8</b>
<b>e) Other accessories</b>				<b>02.80, 02.81, 02.36</b>
<b>Optional:</b>				
<b>f) O-Ring for IP65</b>	200-1001	200-1001	200-1001	
<b>g) Flat external seal for IP65</b>	200-0901	200-0901	200-0901	
<b>h) For IP66/67 use additional O-Ring.</b>	200-1002	200-1002	200-1002	
<b>Assembling</b>	200-0001	200-0001	200-0001	
<b>Assembling with O-ring</b>	200-0002	200-0002	200-0002	
<b>Assembling cam 90° to wing knob without O-Ring</b>	200-0019	200-0019	200-0019	
<b>Assembling cam 90° to wing knob with O-Ring</b>	200-0021	200-0021	200-0021	

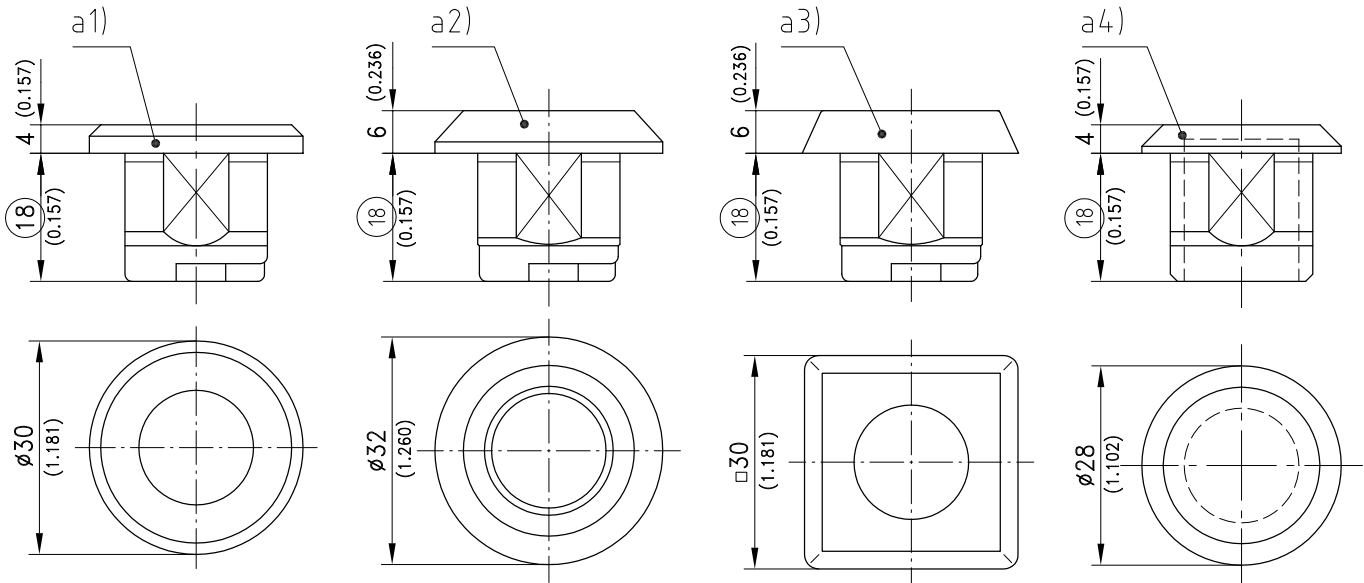
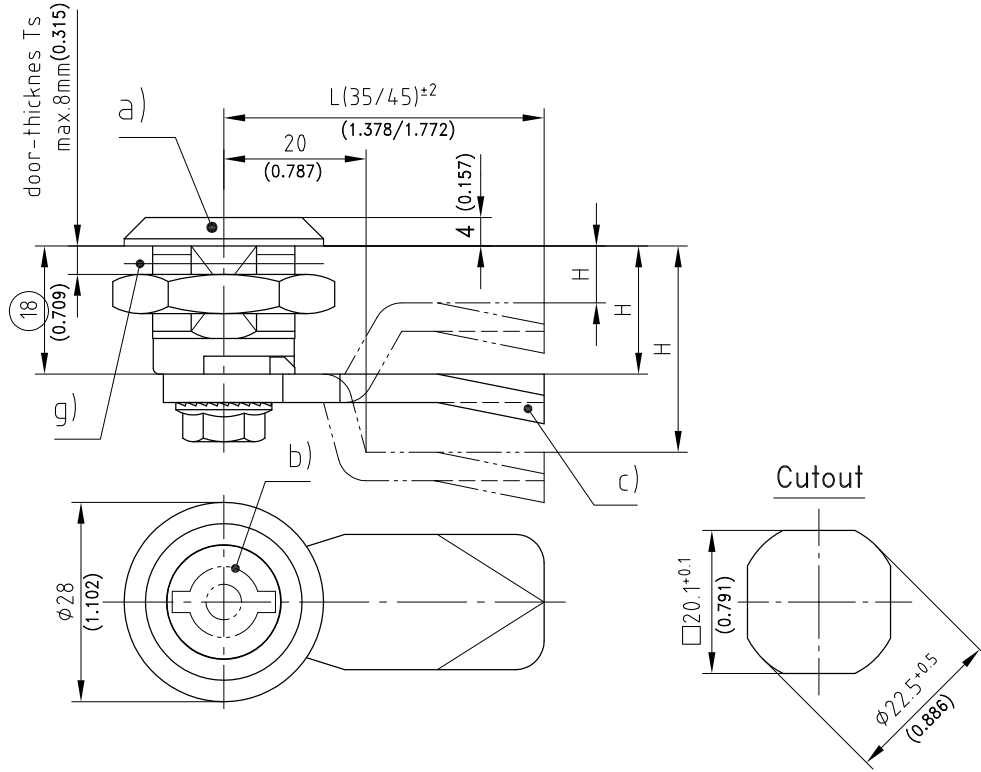
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# 1-100 Quarter-Turn Pr20.1 L18

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Quarter-Turn



# 1-210 Quarter-Turn Pr20.1 L18

with Tapered Insert



Quarter-Turn with with Tapered Insert, operated by a so-called „Bern“ key.

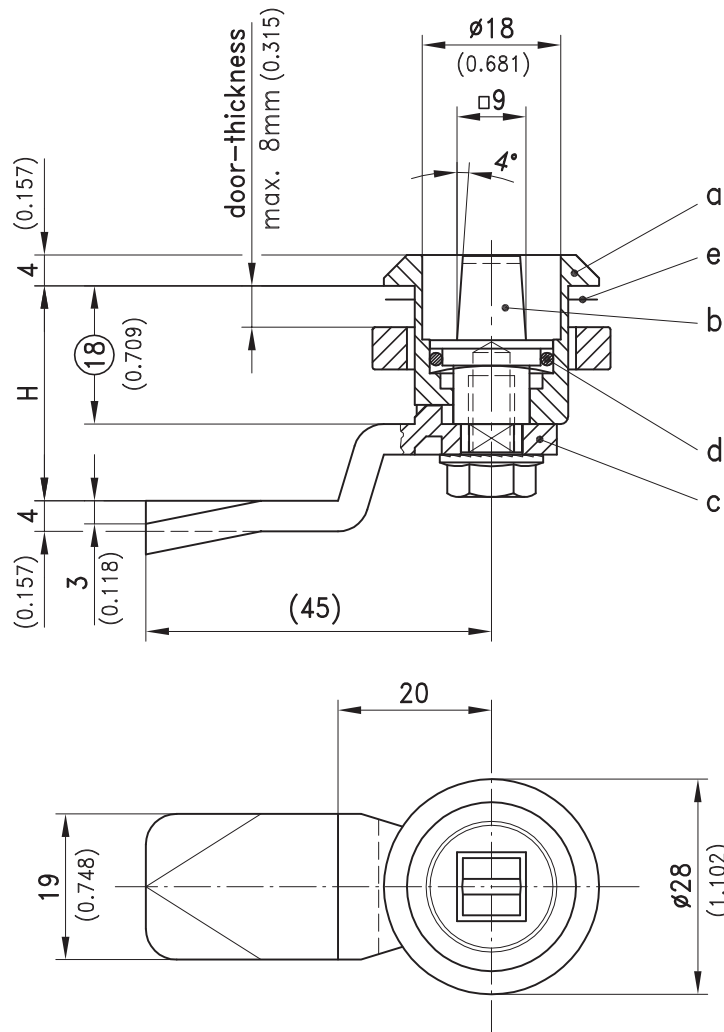
- This Quarter-Turn consists of three basic parts which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- a) **Housing:**  
zinc die, chrome plated or black coated
- b) **Insert:**  
steel, zinc plated, zinc die, chrome plated
- c) **Cam:**  
steel, zinc plated



Quarter-Turn



a) Housing with nut	zinc die, chrome plated	zinc die, black	see page
	200-9065	200-9086	
Housings with longer bodies and different head diameters on request.			
b) Insert steel (zinc plated)	200-9175	200-9175	
b1) Insert zinc die (chrome plated)	200-9138	200-9138	
c) Cam			02.58, 02.61
Optional:			
d) O-Ring	200-1001	200-1001	
e) Flat external seal	200-0901	200-0901	
f) Assembling	200-0001	200-0001	
Assembling with O-Ring	200-0002	200-0002	

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# 1-107 Quarter-Turn Pr20.1 L18

Softline



Quarter-Turn SOFTLINE with integrated finger pull.

- RH or LH application by rotating the bottom part.
- The Quarter-Turn consists of three basic components a, b and c, which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

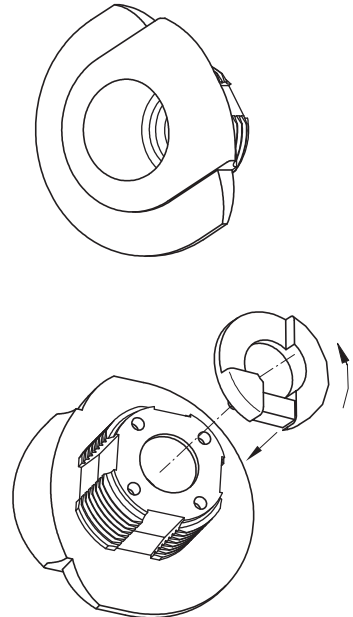
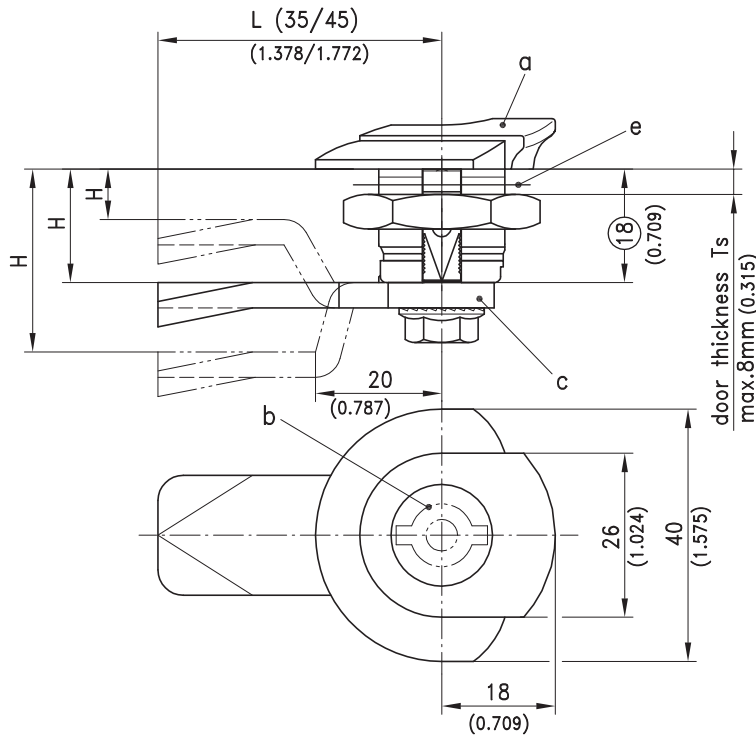
**Material:**

- a) **Housing:** PA, black
- Bottom:** zinc die, zinc plated
- b) **Insert:** zinc die, chrome plated or black coated or combination of PA, black/ zinc die
- c) **Cams:** steel, zinc plated

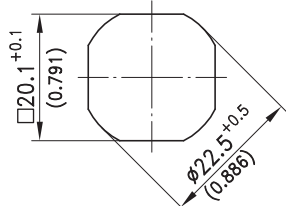


Quarter-Turn

In principal the cam can be assembled in any position. The bottom part should be rotated accordingly.



**Cutout**



<b>a) Housing with bottom part and nut</b>	<b>nut</b>	<b>nut and grounding/earthing clip</b>	<b>see page</b>
	<b>100-9007</b>	<b>100-9008</b>	
<b>b) Insert (no wing or star knob)</b>			<b>02.34, 02.30</b>
<b>c) Cam</b>			<b>02.58, 02.60, 02.61, 02.62, 02.30</b>
<b>Optional:</b>			
<b>Water and dust tight according to IP65 by:</b>			
<b>d) O-Ring</b>	<b>200-1001</b>	<b>200-1001</b>	
<b>e) Flat external seal</b>	<b>200-0901</b>	<b>200-0901</b>	
<b>e1) For IP66/67 use additional O-Ring.</b>	<b>200-1002</b>	<b>200-1002</b>	
<b>f) Assembling</b>	<b>RH version (as drawn)</b>	<b>LH version</b>	
<b>without O-ring</b>	<b>200-0066</b>	<b>200-0068</b>	
<b>with O-ring</b>	<b>200-0067</b>	<b>200-0069</b>	

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# 1-095 Quarter-Turn Pr20.1 L18

Polyamide



IP 65



Polyamide Quarter-Turn

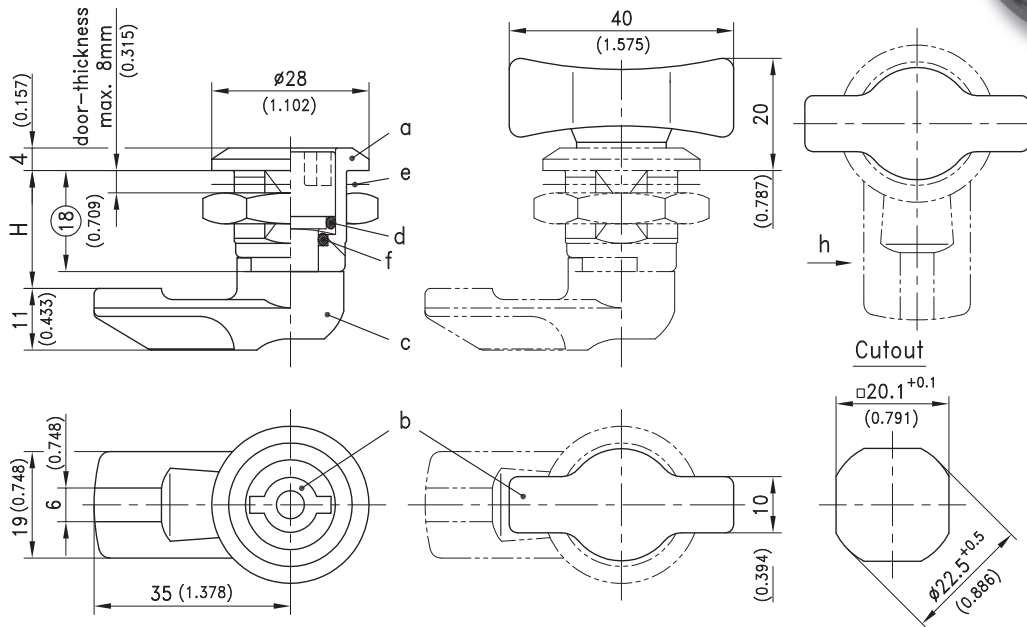
- Double insulated.
- RH or LH application.
- Pre-assembling by DIRAK is advisable.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- **Housing, insert and cam:**  
PA, black



Quarter-Turn



a) Housing	Part No.	see page
z) with nut PA (black)	200-9077	
a) with nut steel (zinc plated)	200-9003	
a) with nut stainless steel	200-9044	
b) Insert		
Square 7	200-9155	
Square 8	200-9156	
Triangular 8	200-9158	
Double bit 3 pin	200-9159	
Double bit 5 pin	200-9160	
Slotted 2x4mm deep	200-9161	
Wing knob	200-9173	
Slotted recessed coinproof	200-9186	
Crescent Czech	200-9184	
c) Cam (further cams on request)	H in mm	
	18	200-5318
	20	200-5320
	22	200-5322
	25	200-5325
	28	200-5328
c1) Cam, steel zinc plated		02.58
Optional:		
Water- and dust-tight according to IP65 by:		
O-Ring	200-1001	
e) Flat external seal	200-0901	
d) For IP66/67 use additional O-Ring.	200-1002	
f) Assembling	200-0001	
Assembling with O-ring	200-0002	
g) Assembling cam 90° to wing knob without O-ring	200-0019	
Assembling cam 90° to wing knob with O-ring	200-0021	

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# 1-110 Quarter-Turn Pr20.1 L30-60



IP 65

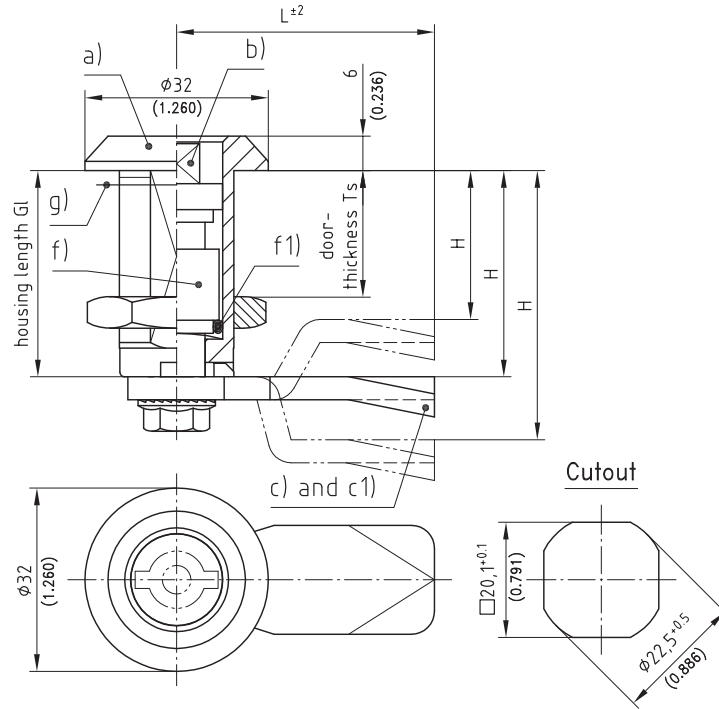
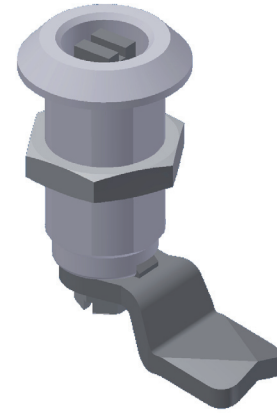


Quarter-Turn with extended bodies, RH or LH application.

- The Quarter-Turn consists of three basic components a, b and c, which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- By using inserts the adapter is optional, by using knobs the adapter is necessary.

**Material:**

- **Housing:** zinc die, chrome plated or black coated
- **Nuts:** steel, zinc plated
- **Grounding/Earthing nut and adapter:** zinc die, natural
- **Grounding/Earthing clip:** stainless steel



Quarter-Turn

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a)	GL	TS max.	Housing	Zinc die, chrome plated	zinc die, black	Adapter f) with screw	see page
	30	20	with nut	200-9011	200-9013	200-9031	
	30	20	with grounding/earthing nut	200-9012	200-9014	200-9031	
	36	26	with nut	200-9015	200-9017	200-9032	
	36	26	with grounding/earthing nut	200-9016	200-9018	200-9032	
	40	30	with nut	200-9019	200-9021	200-9033	
	40	30	with grounding/earthing nut	200-9020	200-9022	200-9033	
	50	40	with nut	200-9023	200-9025	200-9034	
	50	40	with grounding/earthing nut	200-9024	200-9026	200-9034	
	60	50	with nut	200-9027	200-9029	200-9035	
	60	50	with grounding/earthing nut	200-9028	200-9030	200-9035	
b) Inserts							02.34
c) Cams							02.58
c1) Special cams							02.60, 02.61, 02.62
Assembling cam 90° to wing knob without O-ring				200-0019	200-0019	200-0019	
Assembling cam 90° to wing knob with O-ring				200-0021	200-0021	200-0021	
d) Key							09.8
e) Other accessories							02.80, 02.81, 02.36
<b>Optional:</b>							
f1) O-Ring for IP65				839-3771.00-00935	839-3771.00-00935	839-3771.00-00935	
g) Flat external seal				200-0901	200-0901	200-0901	
Assembling				200-0003	200-0003	200-0003	
Assembling with O-ring				200-0004	200-0004	200-0004	



# 1-200 Quarter-Turn Pr20.1 L18-60

with stepped cam



IP 65



Quarter-Turn with stepped cam. Covers large tolerances and gives greater compression possibilities.

- RH or LH application.
- The locking direction is always clockwise.
- When installed, the arrow must point to the frame.
- In this case the flat side of the cam is parallel to the frame when the Quarter-Turn is opened until "stop".
- Marking of housing - "Open / Closed"
- This Quarter-Turn consists of three basic parts which can be combined to suit your application.

**Material:**

- a) **Housing:** zinc die, chrome plated

**Nut:**

steel, zinc plated  
a')

**Adapter:**

zinc die, untreated  
b)

**Insert:**

zinc die, chrome plated  
c)

**Stepped cam:**

zinc die, untreated  
d)

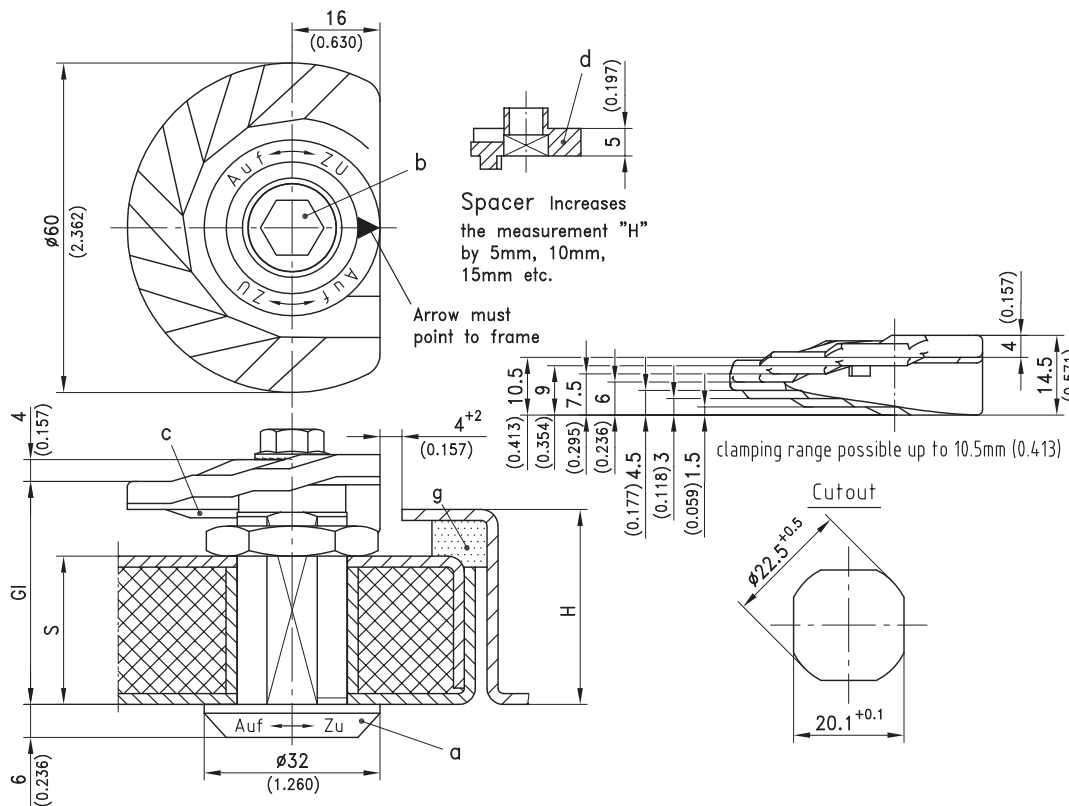
**Spacer:**

zinc die, untreated

**Black version of Quarter-Turn on request.**



Quarter-Turn

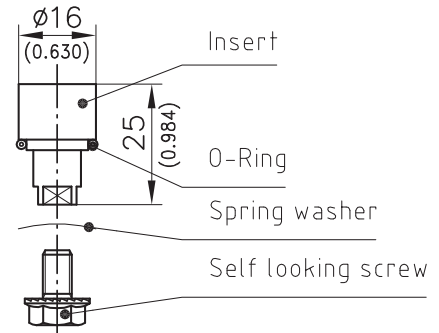
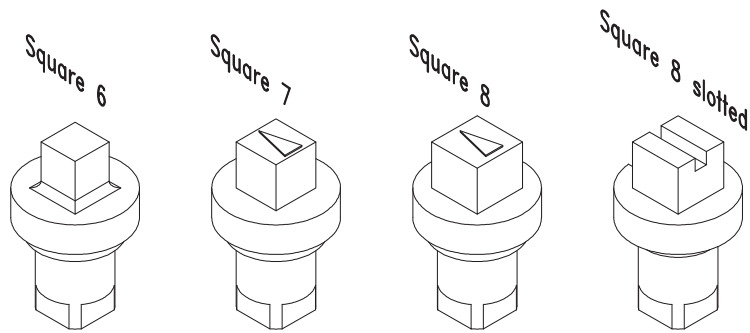


a) Housing with nut							see page
Part No.	200-9038	200-9039	200-9040	200-9041	200-9042	200-9047	
GI	18	30	36	40	50	60	
S max.	8	20	26	30	40	50	
H	18-10	30-10	36-10	40-10	50-10	60-10	
a) Adapter	not required	200-9031	200-9032	200-9033	200-9034	200-9035	
The adapter is optional							02.31
b) Insert							02.34
c) Stepped cam with stop	200-2904	200-2904	200-2904	200-2904	200-2904	200-2904	
Stepped cam without stop	200-2903	200-2903	200-2903	200-2903	200-2903	200-2903	
Optional:							
d) Spacer:	200-2803.30-00005						
Water- and dust-tight according to IP65 by:							
e) O-Ring	200-1001	200-1001	200-1001	200-1001	200-1001	200-1001	
f) Flat external seal	200-0901	200-0901	200-0901	200-0901	200-0901	200-0901	
g) i.e. Sealing Profile							

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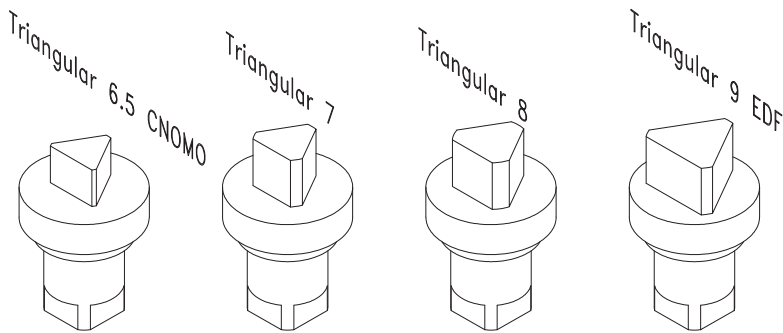
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# 1-101 Inserts

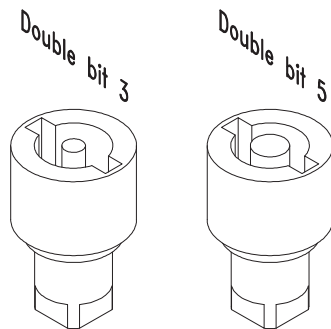


Quarter-Turn

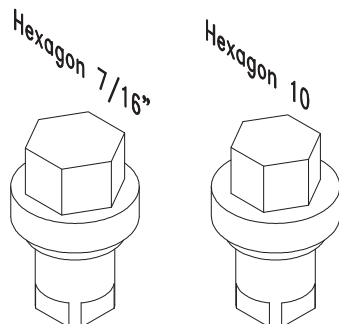
a) Insert	zinc die, chrome plated	zinc die, black	PA black, zinc die, core
Square 6mm	200-9101	200-9127	-
Square 7mm	200-9102	200-9116	-
Square 8mm	200-9103	200-9128	-
Square 8mm slotted	200-9111	-	-



a) Insert	zinc die, chrome plated	zinc die, black	PA black, zinc die, core
Triangular 6,5 CNOMO Typ 1	200-9106	-	-
Triangular 7mm	200-9104	200-9129	-
Triangular 8mm	200-9105	200-9130	-
Triangular 9 EDF	200-9147	200-9148	-



a) Insert	zinc die, chrome plated	zinc die, black	PA black, zinc die, core
Double bit 3 pin	200-9107	200-9131	200-9117
Double bit 5 pin	200-9108	200-9132	200-9118

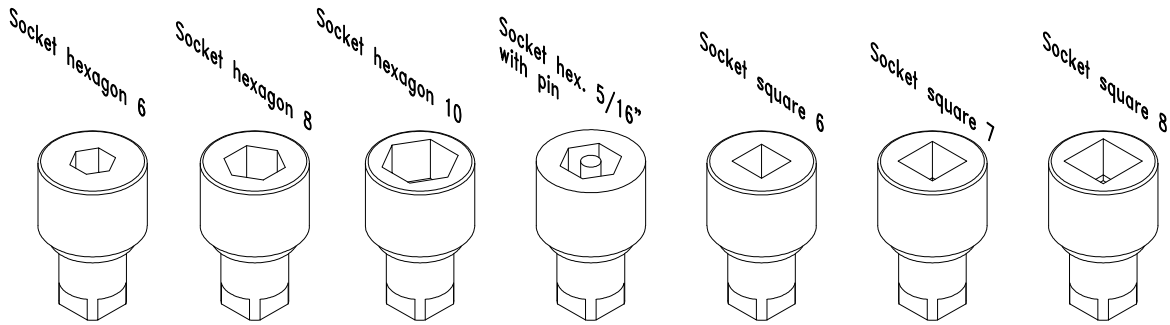


a) Insert	zinc die, chrome plated	zinc die, black	PA black, zinc die, core
Hex 7/16"	200-9171	100-9127	-
Hex. 10mm	200-9185	-	-

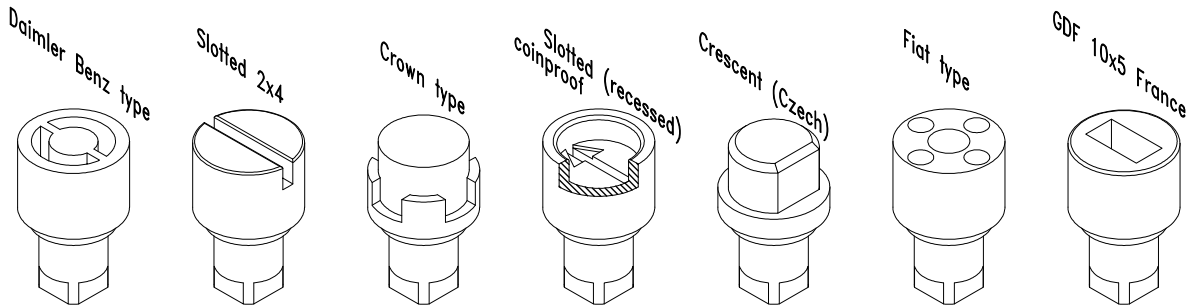
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# 1-101 Inserts

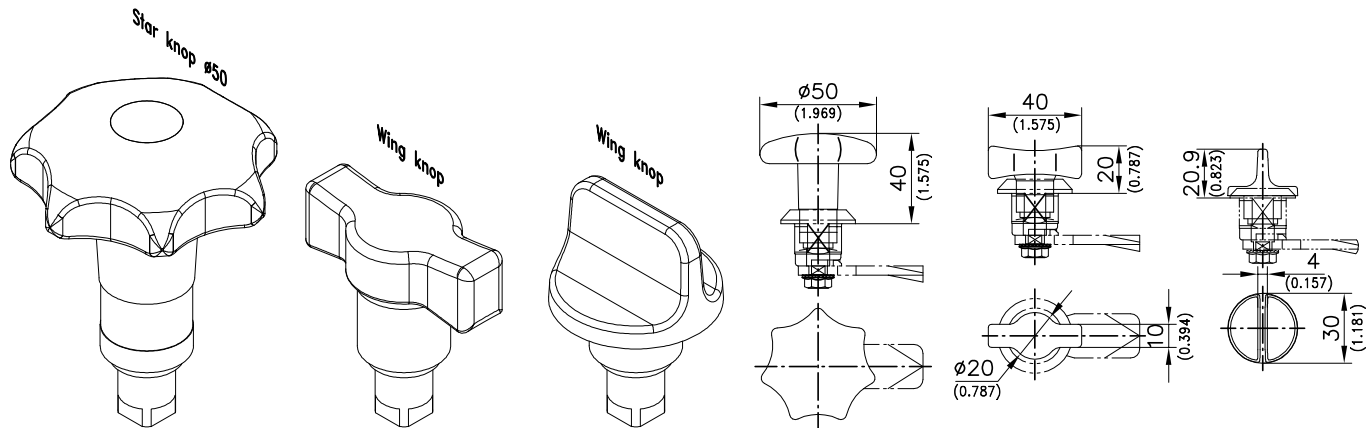


a) Insert	zinc die, chrome plated	zinc die, black	PA black, zinc die, core
Socket hex. 6mm	200-9142	-	-
Socket hex. 8mm	200-9196	200-9197	-
Socket hex. 10mm	200-9112	-	-
Socket head 5/16" 3mm pin	200-9172	100-9178	-
Square socket 6mm	200-9166	-	-
Square socket 7mm	200-9167	-	-
Square socket 8mm	200-9168	-	-



a) Insert	zinc die, chrome plated	zinc die, black	PA black, zinc die, core
Daimler Benz type	200-9109	200-9133	-
Slotted 2x4	200-9113	200-9143	200-9126
Insert Crown type	200-9110	-	-
Slotted recessed coinproof	200-9164	200-9169	-
Crescent Czech	200-9154	-	-
FIAT Insert	200-9170	-	-
GDF 10x5mm France	200-9141	-	-

Keys for insert a) see page 09.8 and 09.9.



b) Insert	zinc die, chrome plated	zinc die, black	PA black, zinc die, core
Star knob Ø50	-	-	200-9114
c) Wing knob	-	-	200-9115
d) Wing knob (only for housing Ø28)	-	100-9115	-

Assembling cam 90° to wing knob see page 02.26.  
Further versions on request

02.26

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Quarter-Turn



# 1-115 Handle for Quarter-Turn

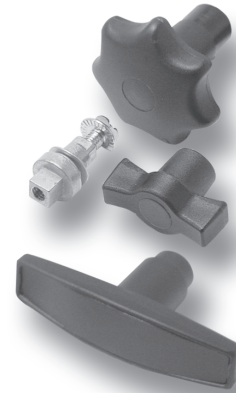
assembled afterwards



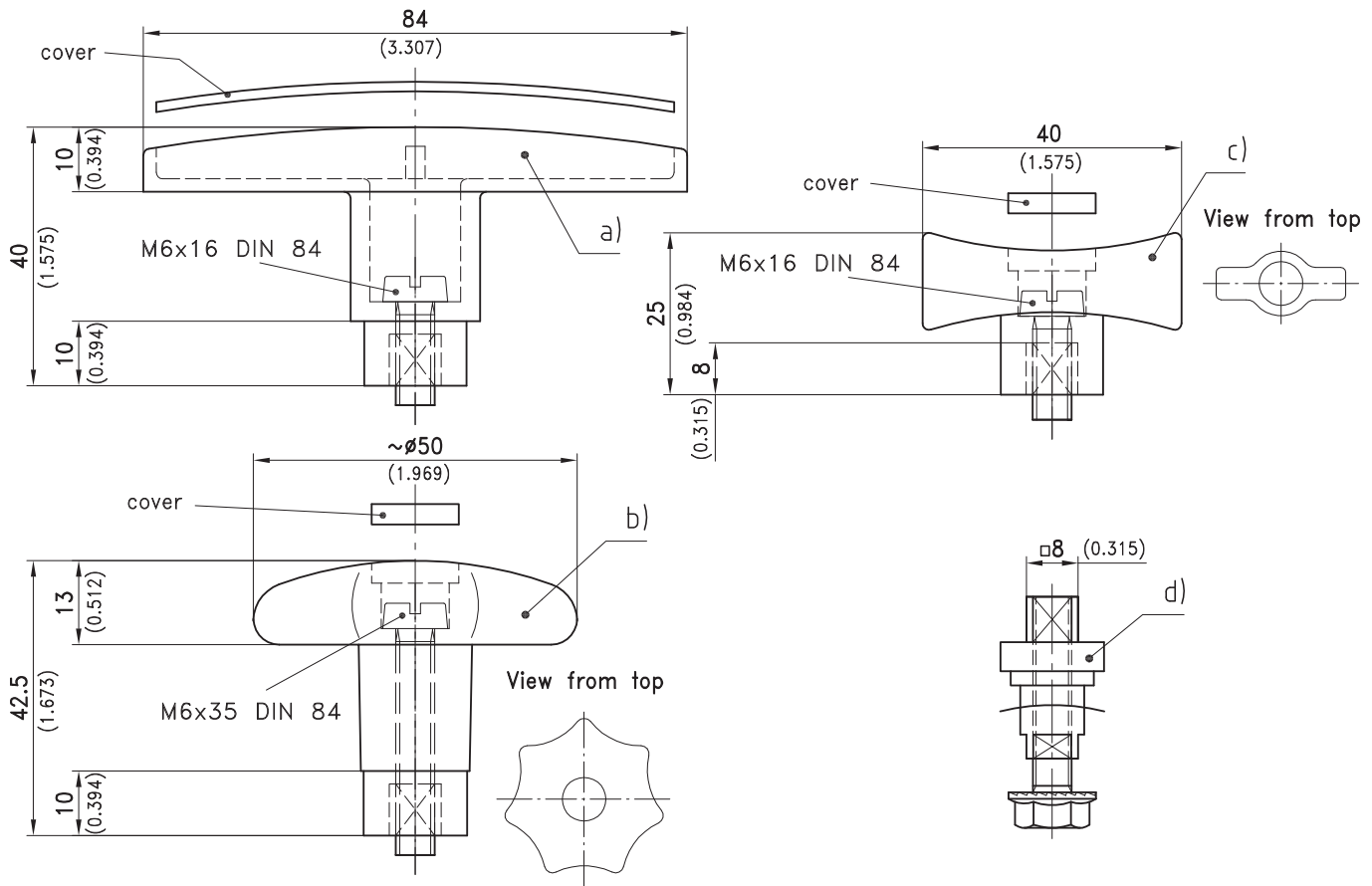
- The shown Knobs and Handles for Quarter-Turns, can be assembled afterwards for easier transport and packaging (flush).
- All screws are included.

**Material:**

- **Handle:** PA, black
- **Basic insert:** zinc die, zinc plated



Quarter-Turn



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	Part No.
a) T-Handle with cover and screw	200-9134
b) Star knob with cover and screw	200-9135
c) Wing-Knob with cover and screw	200-9136
d) Please order separately:	

Basic insert with internal M6 thread at both ends.

# 1-120 Cylinder Quarter-Turn Pr20.1 L18

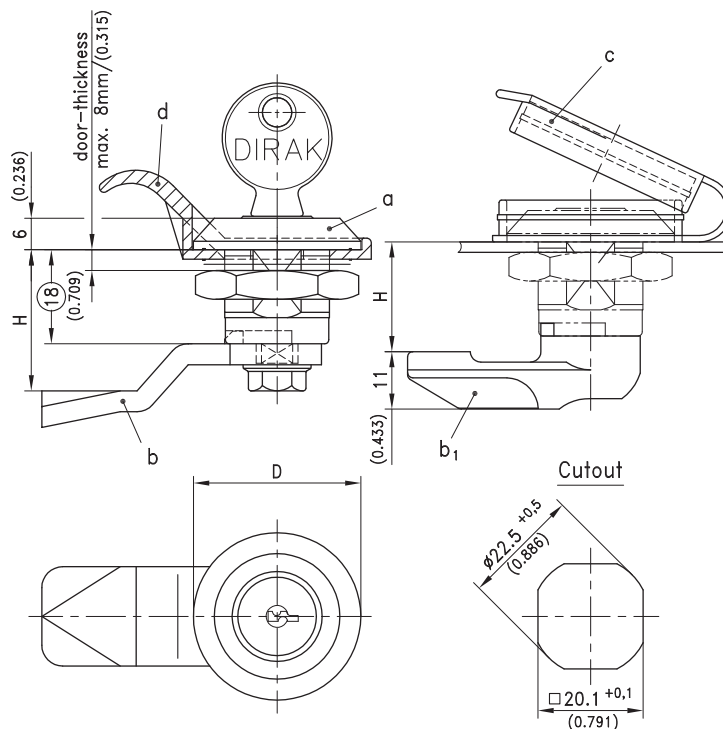
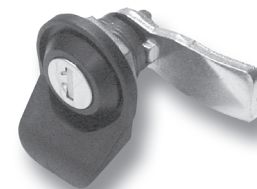


Cylinder Quarter-Turn, RH or LH application.

- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- a) **Housing:**  
zinc die, chrome plated or black coated
- b) **Cam:**  
steel, zinc plated or PA black
- c) **Dustcaps:**  
PP, black or TPU, black
- d) **Finger pull:**  
PA, black



Quarter-Turn

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Housing with tumbler-barrel and single sided grounding/earthing nut		Part No. chrome plated	Part No. black	see page
Bezel Ø D = 28mm/ (1.102)	keyed alike DIRAK 1333*	200-9201	200-9202	
	keyed alike DS200*	500-9201	500-9202	
	keyed different/mixed	200-9203	200-9204	
Bezel Ø D = 32mm/ (1.260)	keyed alike DIRAK 1333*	200-9205	200-9206	
	keyed alike DS200*	500-9205	500-9206	
	keyed different/mixed	200-9207	200-9208	
b) Cam steel (zinc plated)				02.61, 02.58
b1) Cam PA (black)				02.30
<b>Optional:</b>				
Water- and dust-tight according to IP65 by:				
c) Dust cap				02.80
d) Finger pull				02.80
e) Assembling without O-Ring		200-0001	200-0001	
All locks supplied with two keys.				

\* with stainless dust-shutter

# 1-121 Cylinder Quarter-Turn Pr20.1 L18

Polyamide



Cylinder Quarter-Turn, double insulated and vibration-proof.

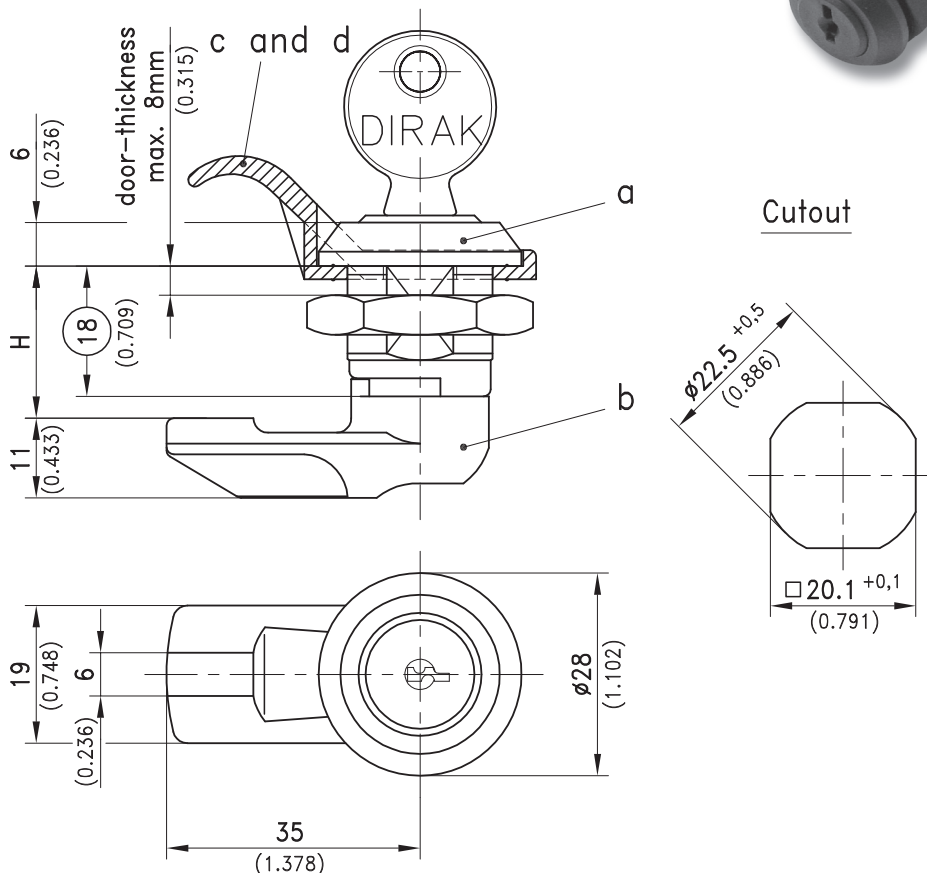
- RH or LH application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- a) **Housing:** PA, black
- b) **Cam:** PA, black
- d) **Finger pull:** PA, black



Quarter-Turn



<b>a) Housing with tumbler-barrel (Head Ø 28) with:</b>	<b>keyed alike DIRAK 1333</b>	<b>keyed different/mixed</b>	<b>see page</b>
fixing-nut PA (black)	200-9210	200-9213	
Nut steel	200-9211	200-9214	
fixing-nut stainless steel	200-9212	200-9215	
<b>b) Cam PA (black)</b>	<b>H in mm / inch</b>		
	18 / 0.709	200-5318	
	20 / 0.787	200-5320	
	22 / 0.866	200-5322	
	25 / 0.984	200-5325	
	28 / 1.102	200-5328	
<b>b1) Cam steel (zinc plated)</b>			<b>02.61, 02.58</b>

**Optional:**

**Water-and dust-tight according to IP65 by:**

<b>c) Dust cap</b>			<b>02.80</b>
<b>d) Finger pull</b>	<b>200-4703.03</b>	<b>200-4703.03</b>	<b>02.80</b>
<b>e) Assembling</b>	<b>200-0001</b>	<b>200-0001</b>	

Special cams on request.

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# 1-130 Quarter-Turn with Wing Pr20.1 L18

with cylinder



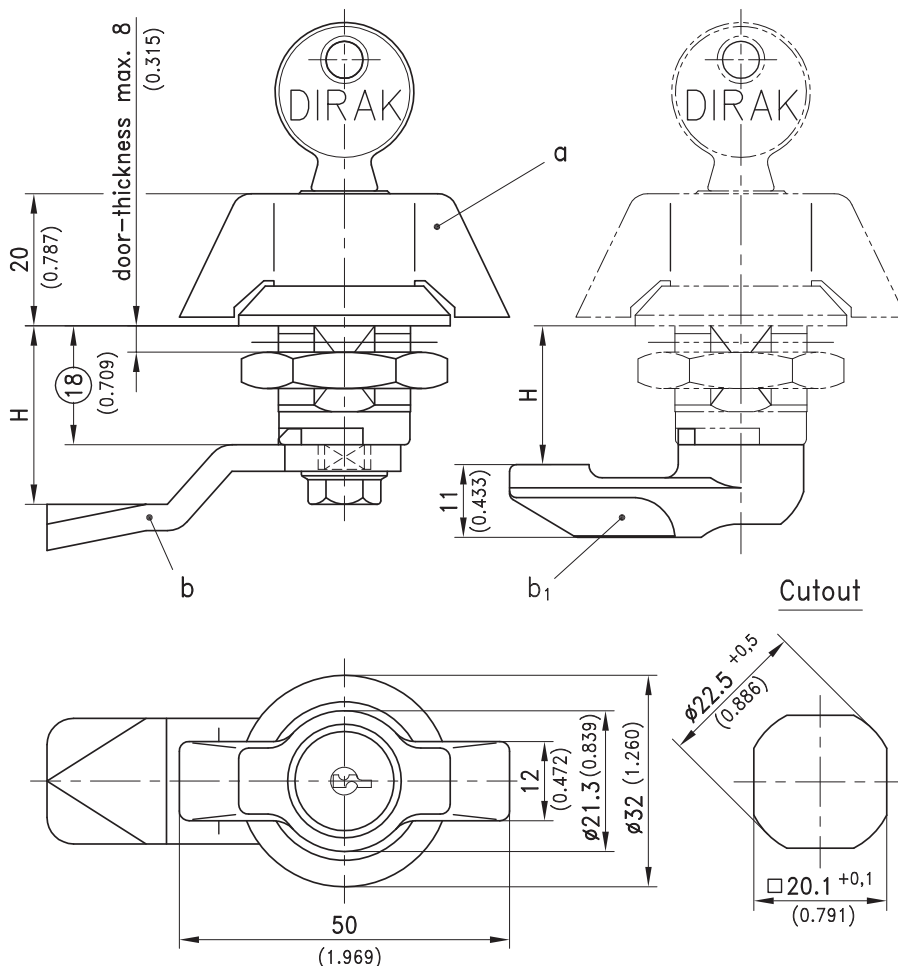
Wing handle Quarter-Turn, RH or LH application.

**Material:**  
refer to descriptions listed

- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.



Quarter-Turn



	non locking (with blank)	keyed alike DIRAK 1333	keyed alike DS200	keyed different/mixed	see page
<b>a) Wing Handle consisting of:</b>	<b>200-9301*</b>	<b>200-9302**</b>	<b>500-9302**</b>	<b>200-9303**</b>	
- Handle part PA (black) with zinc die core					
- Cylinder/barrel, zinc die (chrome plated)					
- or plug PA (black)					
- Housing zinc die (black)					
- Plain/ grounding/earthing nut: zinc die					
<b>a1) Wing handle as a), but handle, housing, barrel or plug made of PA (black)</b>					
nut steel (zinc plated)	200-9368*	200-9369*	-	200-9370*	
nut PA (black)	200-9371*	200-9372*	-	200-9373*	
<b>b) Cam steel (zinc plated)</b>					<b>02.61, 02.58</b>
<b>b1) Cam PA (black)</b>					<b>02.30</b>
<b>Optional:</b>					
<b>c) Assembling</b>	<b>200-0001</b>	<b>200-0001</b>	<b>200-0001</b>	<b>200-0001</b>	
Assembling cam 90° to wing knob without O-ring	200-0019	200-0019	200-0019	200-0019	

\* Water-and dust-tight according IP65

\*\* With stainless dust-shutter

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# 1-117 Quarter-Turn for padlock Pr20.1L22-32



Quarter-Turn, RH or LH application.

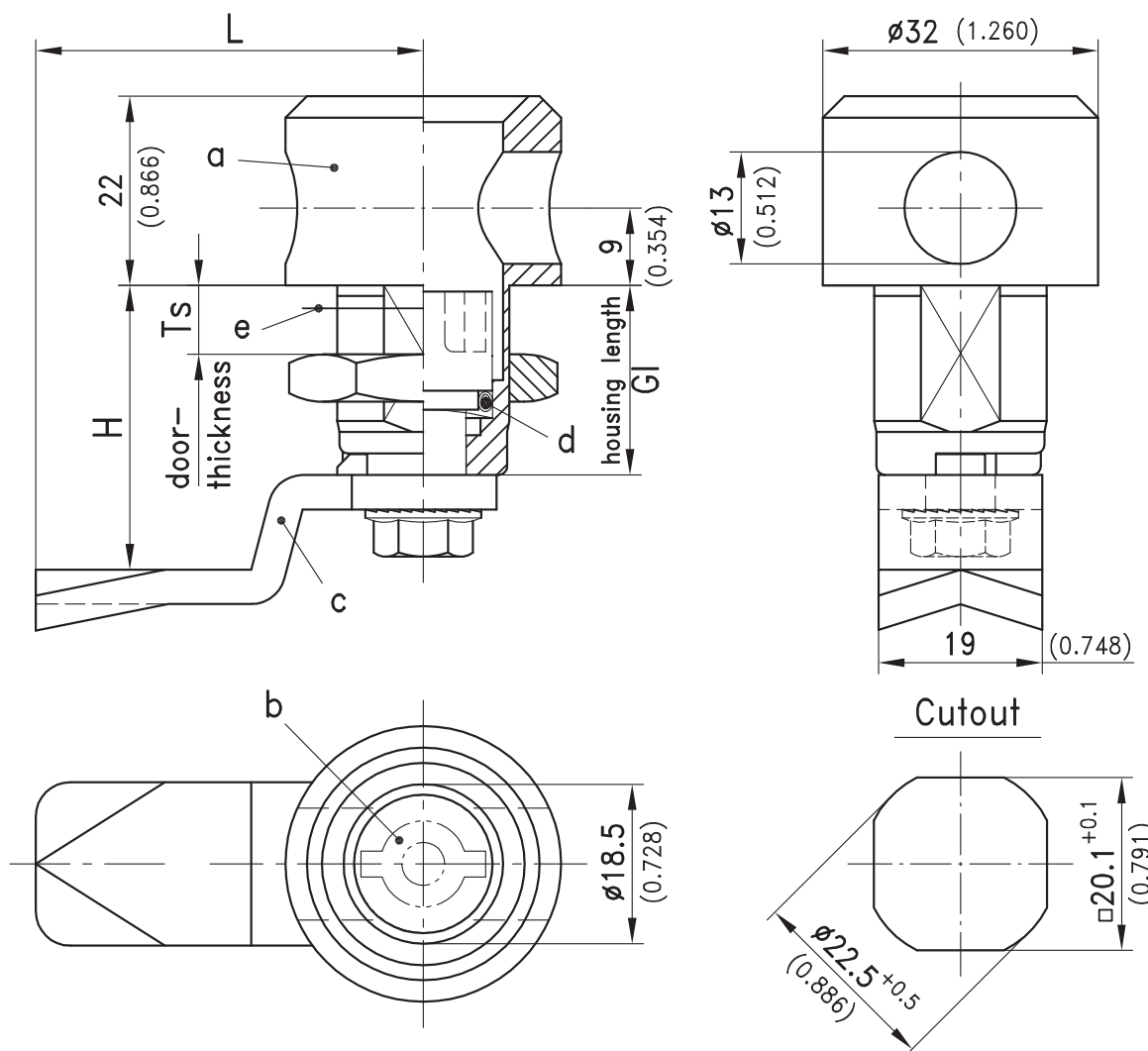
- Quarter-Turn for padlock.
- The Quarter-Turn consists of three basic components a, b and c, which can be combined to suit your application.
- On request parts can be assembled by DIRAK.

**Material:**

- a) **Housing:**  
zinc die, chrome plated or black coated
- b) **Insert:**  
zinc die, chrome plated or black coated or combination of PA, black/ zinc die
- c) **Cams:**  
steel, zinc plated
- d) **Adapter:**  
zinc die, untreated



Quarter-Turn



**a) Housing for padlock with single sided grounding/ earthing nut**

GI	Ts max.	zinc die, chrome plated	zinc die, black	see page
22	12	200-9082	200-9083	
32	22	200-9084	200-9085	

**b) Insert**

02.34

**c) Cam**

02.26, 02.58

**Optional:**

**Water- and dust-tight according to IP65 by:**

d) O-Ring	200-1001	200-1001
e) Flat external seal	200-0901	200-0901
f) Adapter for insert at GI 32	200-9031	200-9031

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02.31



# 1-132 Quarter-Turn with Wing Pr20.1 L 18/40

for Padlock

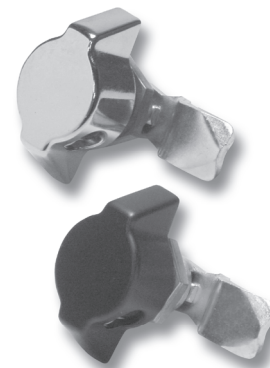


Wing handle Quarter-Turn for padlock, screw-in type, RH or LH application.

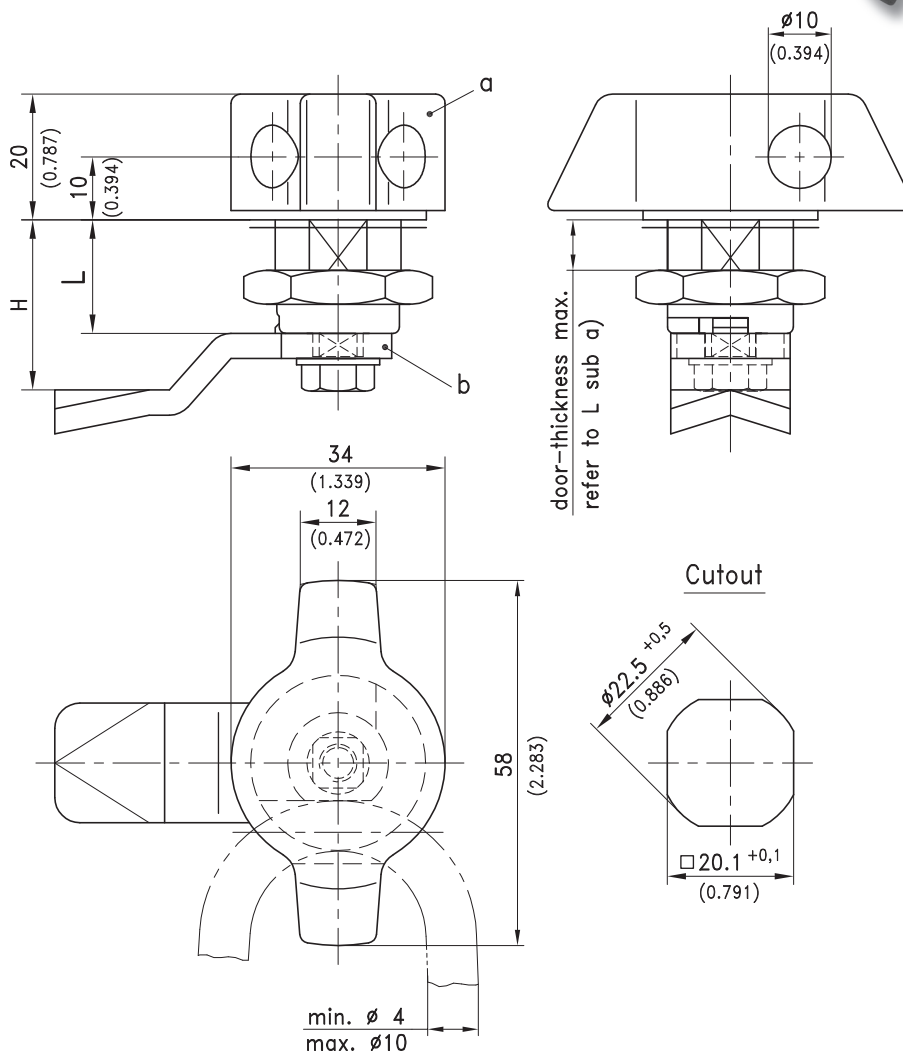
- Water- and dust-tight according to IP65 DIN EN 60529.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **Padlock feature only if cam is at 90° to the handle.**

**Material:**

- a) **Wing handle:**  
zinc die, chrome plated or black coated
- Housing:**  
zinc die, zinc plated
- b) **Cam:**  
steel, zinc plated



Quarter-Turn



a) Wing Handle with plain grounding/ earthing nut	chrome plated	E-COATED black	Textured Powder black	see page
L = 18 (door thickness max. 8mm)	200-9364	200-9365	200-9365.TX	
L = 40 (door thickness max. 30mm)	100-9310	100-9311	100-9311.TX	

b) One- two- or three point cam 02.61, 02.58

**Optional:**

c) Assembling for right door	200-0019	200-0019	200-0019
Assembling for left door	200-0020	200-0020	200-0020

**Stainless steel version**

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# 1-651 Quarter-Turn Pr20.1 L18



IP 65

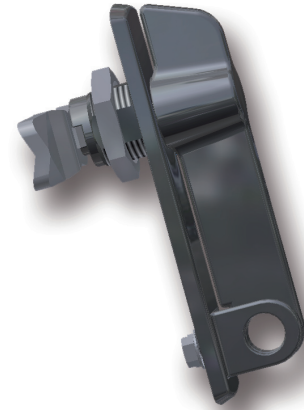


L-Wing-Handle for padlock.

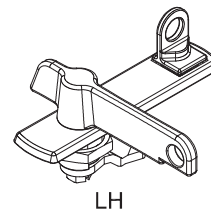
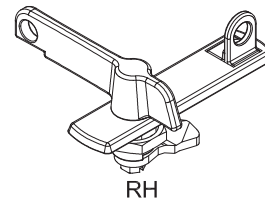
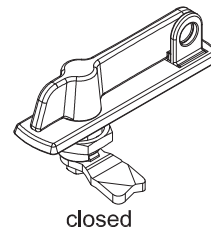
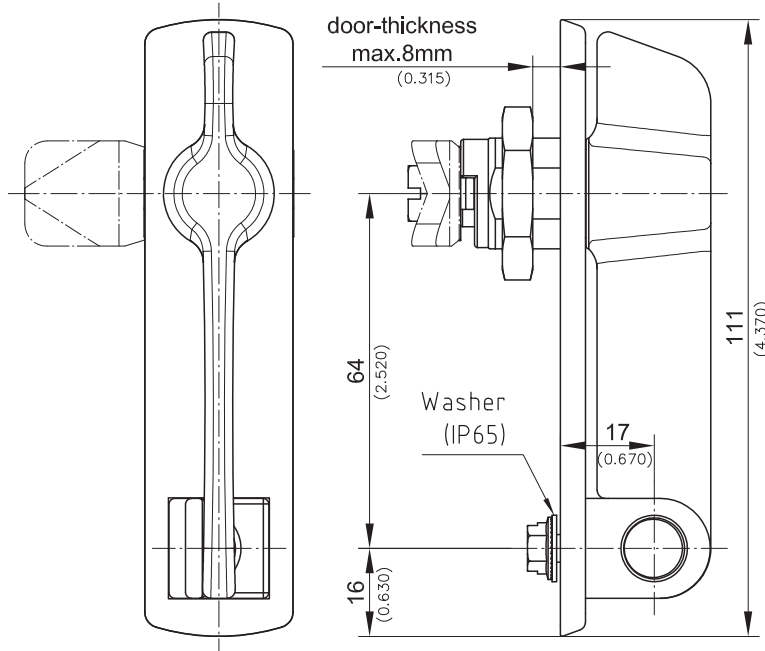
- For light applications.
- For the standard cutout and additional hole for the padlock eyelet.
- The 2-point fixing prevents tempering.
- RH and LH application.
- The eyelet for the padlock, also used as a stop, is asymmetric and can be turned for RH or LH doors (door closed).
- In closed position the wing handle is always fully vertical.

**Material:**

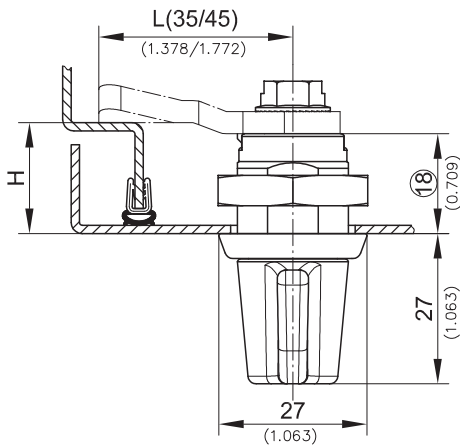
- **Housing, Stop and Wing Knob:** zinc die, black
- **Nut and Hex.screw:** steel
- **Internal wave washer:** steel, zinc plated



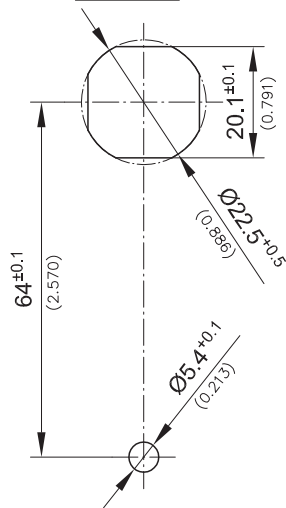
Quarter-Turn



Example of application



Cutout



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	Part No.	see page
L-Wing-Handle	281-9101.00-00000	
Cam		02.61, 02.58
<b>Optional:</b>		
<b>Water- and dust-tight according to IP65 by:</b>		
O-Ring	200-1001.00-00000	
Flat external seal:	200-0904.00-00000	
Washer, PA natural	832-0125.00-00005	

# 1-125 Quarter-Turn with Combination Lock Pr20.1 L18

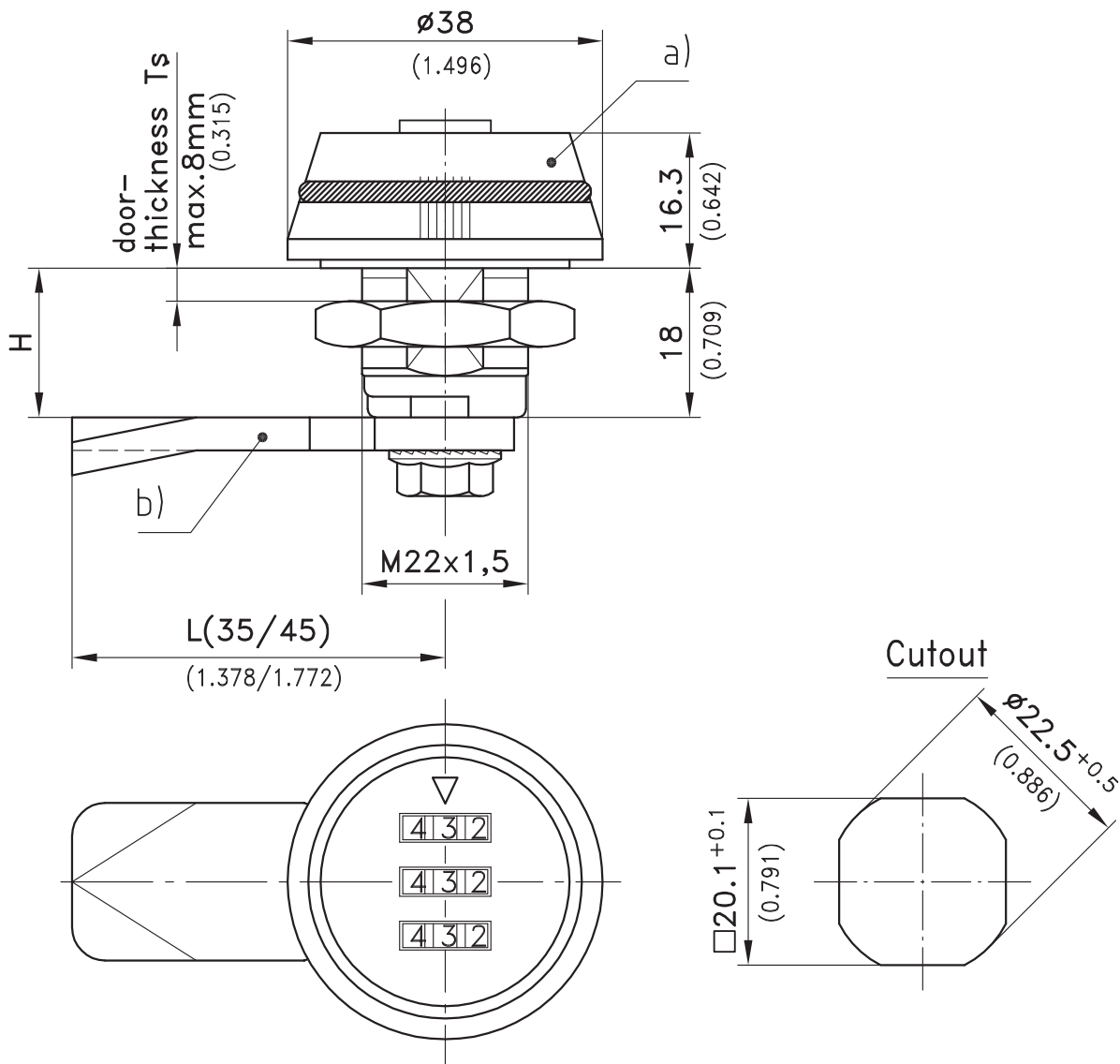


- Quarter-Turn with Combination Lock
- RH or LH application.
  - A pre-assembled Quarter-Turn can be installed in the cutout.
  - O-Ring on handle improves grip.
  - Water- and dust-tight according to IP65 DIN EN 60529.
  - For combination set or reset please refer to enclosed instructions.
  - Modifying the combination just in opened state possible.

- Material:**
- **Handle and housing:** zinc die, chrome plated or black coated
  - **Cam:** steel, zinc plated
  - **O-Ring:** NBR



Quarter-Turn



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	zinc die, chrome plated	zinc die, black	see page
a) Quarter-Turn (without cam)	100-9301	100-9302	
b) Cam			02.58
c) Assembling for right door	200-0019	200-0019	
Assembling for left door	200-0020	200-0020	



# 1-140 Quarter-Turn with Wing Pr20.1 L18/40

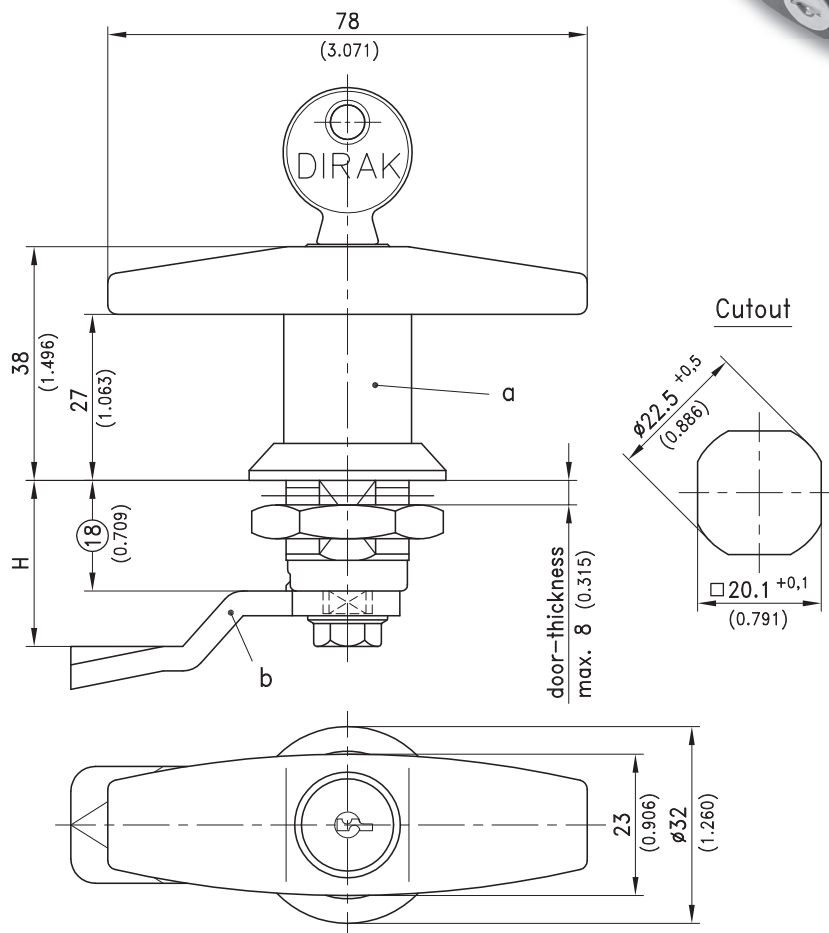
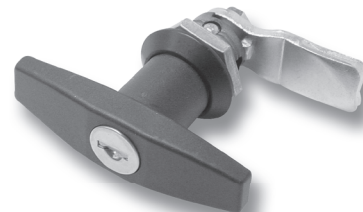
with cylinder



- T-Handle, RH or LH application
- Water- and dust-tight according to IP65 DIN EN 60529.
  - The Quarter-Turn consists of two basic components which can be combined to suit your application.
  - On request parts can be assembled by DIRAK.
  - A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- a)
- **Wing handle:**  
PA, black with zinc die core or zinc die, chrome plated or black coated
- b)
- **Cam:**  
steel, zinc plated



Quarter-Turn

a) T-Handle	PA with zinc die core	zinc die, chrome plated	zinc die, black	see page
<b>with plain grounding/earthing nut</b>				
non locking	200-9307	200-9319	200-9331	
keyed alike DIRAK 1333*	200-9308	200-9320	200-9332	
keyed alike DS200*	500-9308	500-9320	500-9332	
keyed different/mixed	200-9309	200-9321	200-9333	
PAGODA keyed alike	-	501-9320	501-9332	
PAGODA keyed different/mixed	-	501-9321	501-9333	
b) Cam/3-point cam				02.26, 02.61, 02.58

Please order separately:

c) Assembling	200-0001	200-0001	200-0001
Assembling cam 90° to wing knob without O-ring	200-0019	200-0019	200-0019

All lockable handles supplied with two keys.

Stainless steel version

10.16

\* with stainless dust-shutter

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# 1-142 Quarter-Turn with Wing Pr20.1 L18

with cylinder



## Quarter-Turn with Wing

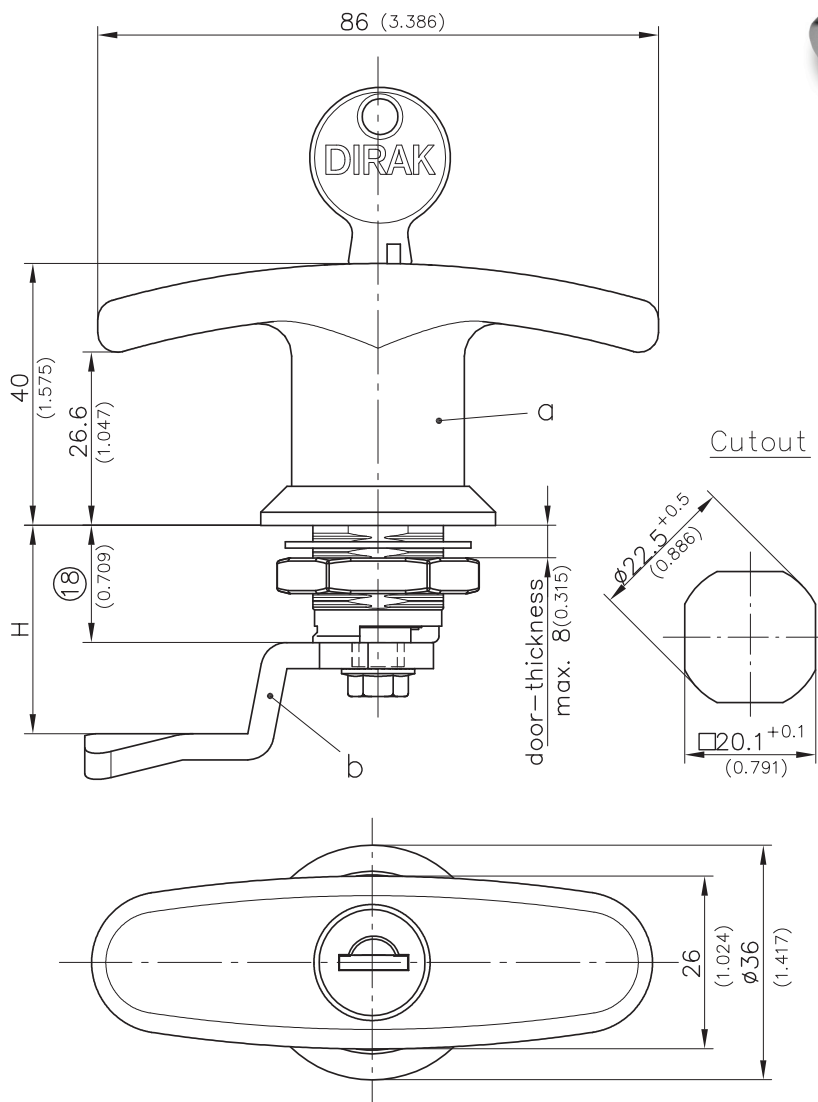
- RH or LH application.
- Water- and dust-tight according to IP65 DIN EN 60529.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

## Material:

- a)
  - **Wing handle:** zinc die, nickel plated
- b)
  - **Cam:** steel, zinc plated
  - **Other surfaces i.e. chrome plated, black on request!**



Quarter-Turn



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a) Wing Handle with plain grounding/earthing nut non locking	Part No.	see page
keyed different/mixed	100-9306	
keyed alike DIRAK 1333*	100-9307	
with insert square 8**	100-9308	
	100-9309.00-00001	
b) Cam/3-point cam		02.61, 03.37, 02.58
Please order separately:		
c) Assembling	200-0001	02.45
Assembling cam 90° to wing knob without O-ring	200-0019	02.45

All lockable handles supplied with two keys.

\* with stainless dust-shutter

\*\* Here we have 12 types of inserts. Please contact DIRAK.

# 1-155.02 Quarter-Turn with Wing Pr20.1 L30-60

with cylinder



T- and Wing-Handle with extended housing and plain/grounding/earthing nut.

- Maximum door-thickness 50mm.
- All versions of Wing-Handles are supplied complete and are water- and dust-tight according to IP65 DIN EN 60529.
- Housings with L = 36mm on request.
- Detailed dimensions of the handles see pages 02.39, 02.44, 02.48.

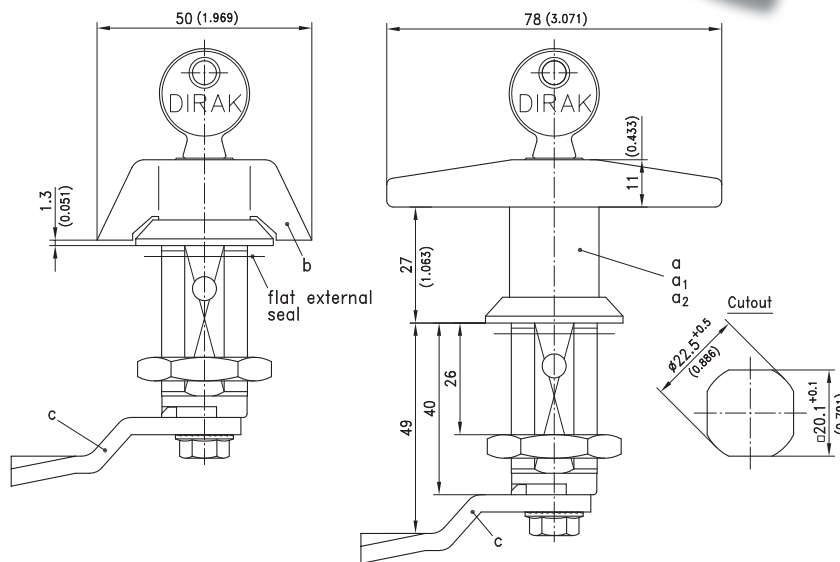
**Material:**

a)

**Handle:**

PA, black with zinc die core or zinc die, chrome plated or black coated

- **Housing:**  
zinc die
- **Flat external seal:**  
NBR/Perbunan, black
- b)
- **T-Handle:**  
PA, black with zinc die core
- **Housing:**  
zinc die, black
- c)
- **Cam:**  
steel, zinc plated



Quarter-Turn

Length of 4-hole housing GL	30	40	50	60	see page
Door-thickness Ts	20	30	40	50	
<b>a) T-Handle PA, black with zinc die core</b>					
non locking	200-9310	200-9311	200-9312	200-9346	
keyed alike DIRAK 1333*	200-9313	200-9314	200-9315	200-9347	
keyed alike DS200*	500-9313	500-9314	500-9315	500-9347	
keyed different/mixed	200-9316	200-9317	200-9318	200-9348	
<b>a1) T-Handle zinc die, chrome plated</b>					
non locking	200-9334	200-9335	200-9336	200-9343	
keyed alike DIRAK 1333*	200-9337	200-9338	200-9339	200-9344	
keyed alike DS200*	500-9337	500-9338	500-9339	500-9344	
keyed different/mixed	200-9340	200-9341	200-9342	200-9345	
PAGODA keyed alike	501-9337	501-9338	-	-	
<b>a2) T-Handle zinc die, black</b>					
non locking	200-9352	200-9353	200-9354	200-9355	
keyed alike DIRAK 1333*	200-9356	200-9357	200-9358	200-9359	
keyed alike DS200*	500-9356	-	-	-	
keyed different/mixed	200-9360	200-9361	200-9362	200-9363	
PAGODA keyed alike	501-9356	-	-	-	
PAGODA keyed different/mixed	501-9360	-	-	-	
<b>b) Wing handle complete</b>					
non locking	200-9322	200-9323	200-9324	200-9349	
keyed alike DIRAK 1333*	200-9325	200-9326	200-9327	200-9350	
keyed alike DS200*	500-9325	500-9326	500-9327	500-9350	
keyed different/mixed	200-9328	200-9329	200-9330	200-9351	
<b>c) Cam</b>					
Special cams					02.58
					02.61

All lockable handles supplied with two keys.  
 Part No. for PAGODA version with master key system on request.  
 \* with stainless dust-shutter

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# 1-135 Quarter-Turn with Handle Pr20.1 L18

with cylinder



IP 65



Drip handle Quarter-Turn, RH or LH application.

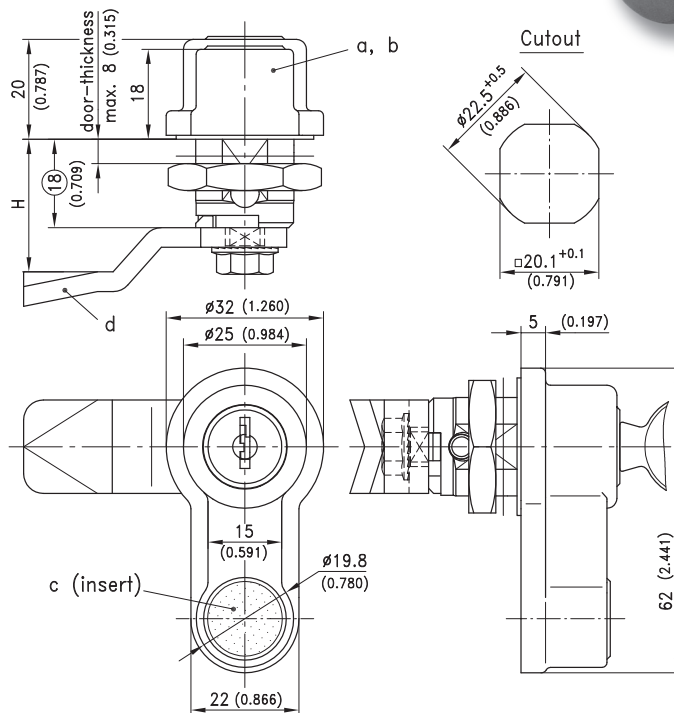
- For individual design, round, colored clip-in inserts are available which can be clipped-in into the lower part of the handle.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

- **Blind Plug:**  
PA, black only a)
- **Insert:**  
PA, black c)
- **Colored inserts:**  
PA, different colours d)
- **Cam:**  
steel, zinc plated



## Material:

- a) and b)
- **Drip handle:**  
PA, black with zinc die core
- **Housing:**  
zinc die, chrome plated
- **Cylinder:**  
PA, black or zinc die, chrome plated



Quarter-Turn

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a) Drip Handle with black clip-in insert and plain grounding/ earthing nut	non locking	keyed alike DIRAK 1333*	keyed alike DS200*	keyed-different/mixed	see page
Cylinder PA	-	200-9392**	-	200-9393**	
Cylinder zinc die	-	200-9395*	500-9395*	200-9396	
Blind Plug:	200-9394**				
b) Drip Handle without clip-in insert, with plain/earthing nut					
Cylinder PA	-	200-9381**	-	200-9382**	
Cylinder zinc die	-	200-9390*	500-9390*	200-9391	
Blind Plug:	200-9389**				
c) Colored inserts, on request					
color	Part No.	color	Part No.		
red	207-4902-00.00001	orange	207-4902-00.00005		
blue	207-4902-00.00002	mint	207-4902-00.00007		
green	207-4902-00.00003	purple	207-4902-00.00008		
yellow	207-4902-00.00004				
d) Cam/3-point cam					02.61, 02.58
Optional:					
e) Assembling of inserts	207-0015	207-0015	207-0015	207-0015	
Assembling for righth door	200-0019	200-0019	200-0019	200-0019	
Assembling for left door	200-0020	200-0020	200-0020	200-0020	

\* with stainless dust-shutter

\*\* Water- and dust-tight according IP65

# 1-150 Quarter-Turn with Handle Pr20.1 L18

with cylinder



L-Handle, RH or LH application

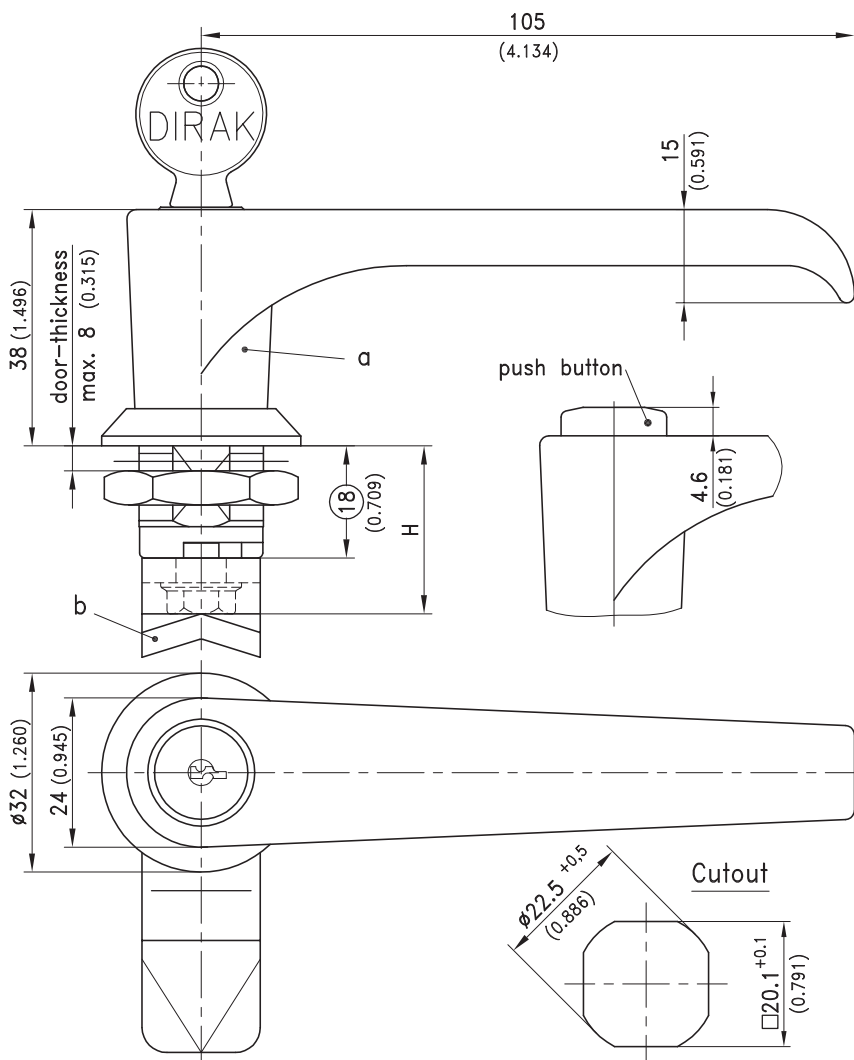
- Water- and dust-tight according to IP65 DIN EN 60529.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- a)
  - **L-handle**  
PA, black with zinc die core or zinc die, chrome plated or black coated
  - b)
- **Cam:**  
steel, zinc plated



Quarter-Turn



a) L-Handle with plain grounding/earthing nut	PA black, with zinc die core	zinc die, chrome plated	zinc die, black	see page
non locking	200-9401	200-9419	200-9427	
keyed alike DIRAK 1333*	200-9402	200-9420	200-9428	
keyed alike DS200*	500-9402	500-9420	500-9428	
keyed different/mixed	200-9403	200-9437	200-9438	
PAGODA keyed alike	-	501-9420	501-9428	
PAGODA keyed different/mixed	-	501-9437	501-9438	
Push button	200-9483	-	-	
b) Cam/3-point cam				02.26, 02.58
<b>Optional:</b>				
c) Assembling	200-0001	200-0001	200-0001	
Assembling for right door	200-0019	200-0019	200-0019	
Assembling for left door	200-0020	200-0020	200-0020	
<b>All lockable handles supplied with two keys.</b>				
* with stainless dust-shutter				

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# 1-151 Quarter-Turn with Handle Pr20.1 L18



IP 65



L-Handle for inserts.

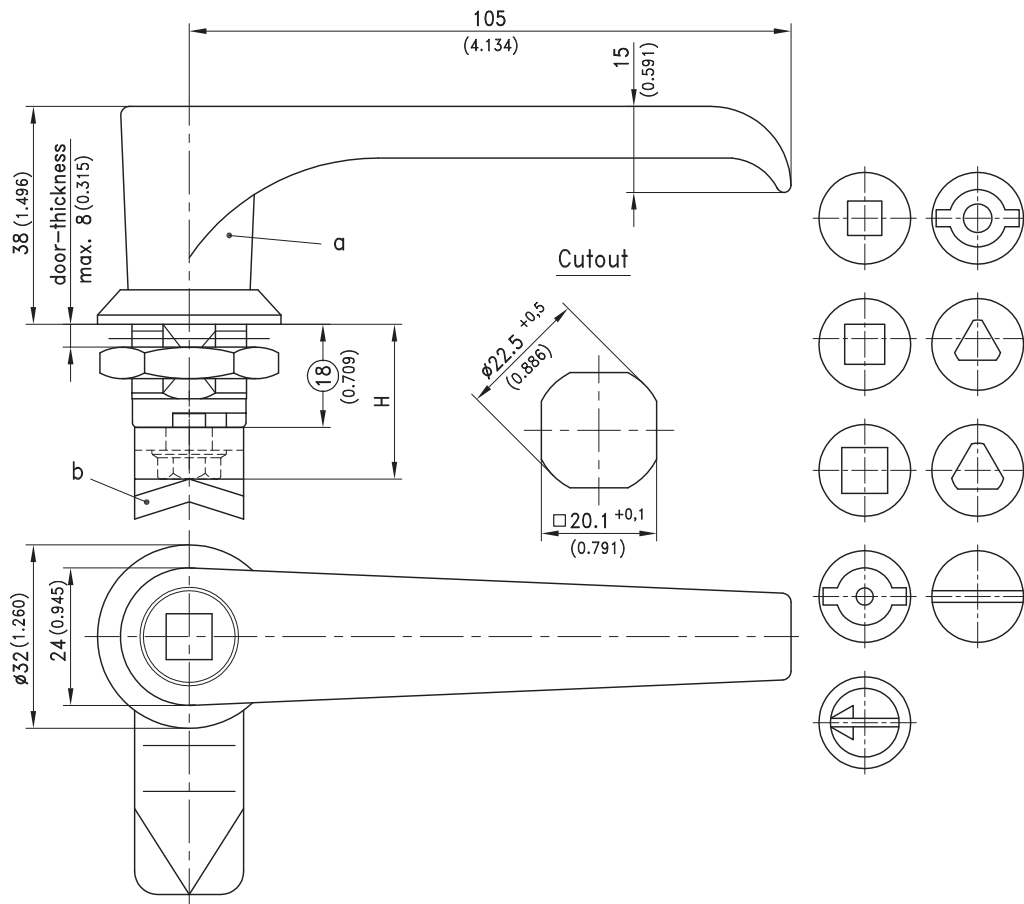
- RH or LH application.
- Water- and dust-tight according to IP65 DIN EN 60529.
- The radial spring loaded insert automatically locks the handle when the handle rotates back into the closed position.
- This L-Handle consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Material:**

- a)
  - **L-handle**  
PA, black with zinc die core
  - **Insert:**  
zinc die, chrome plated
  - b)
    - **Cam:**  
steel, zinc plated



Quarter-Turn



a) L-Handle complete with release insert and plain grounding/earthing nut	Part No.	see page
Square 6	200-9429	
Square 7	200-9430*	
Square 8	200-9431	
Double bit 3 pin	200-9432	
Double bit 5 pin	200-9433	
Triangular 7	200-9434*	
Triangular 8	200-9435	
Slotted 2x4mm deep	200-9436	
Slotted recessed coinproof	200-9475	
* on request		02.61, 02.58
b) Cam/3-point cam		
Optional:		
c) Assembling	200-0001	
Assembling for righth door	200-0019	
Assembling for left door	200-0020	
Key for insert		

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# 1-153 Quarter-Turn with Handle Pr20.1 L18

for Padlock



L-Handle for padlock, with 90° rotation

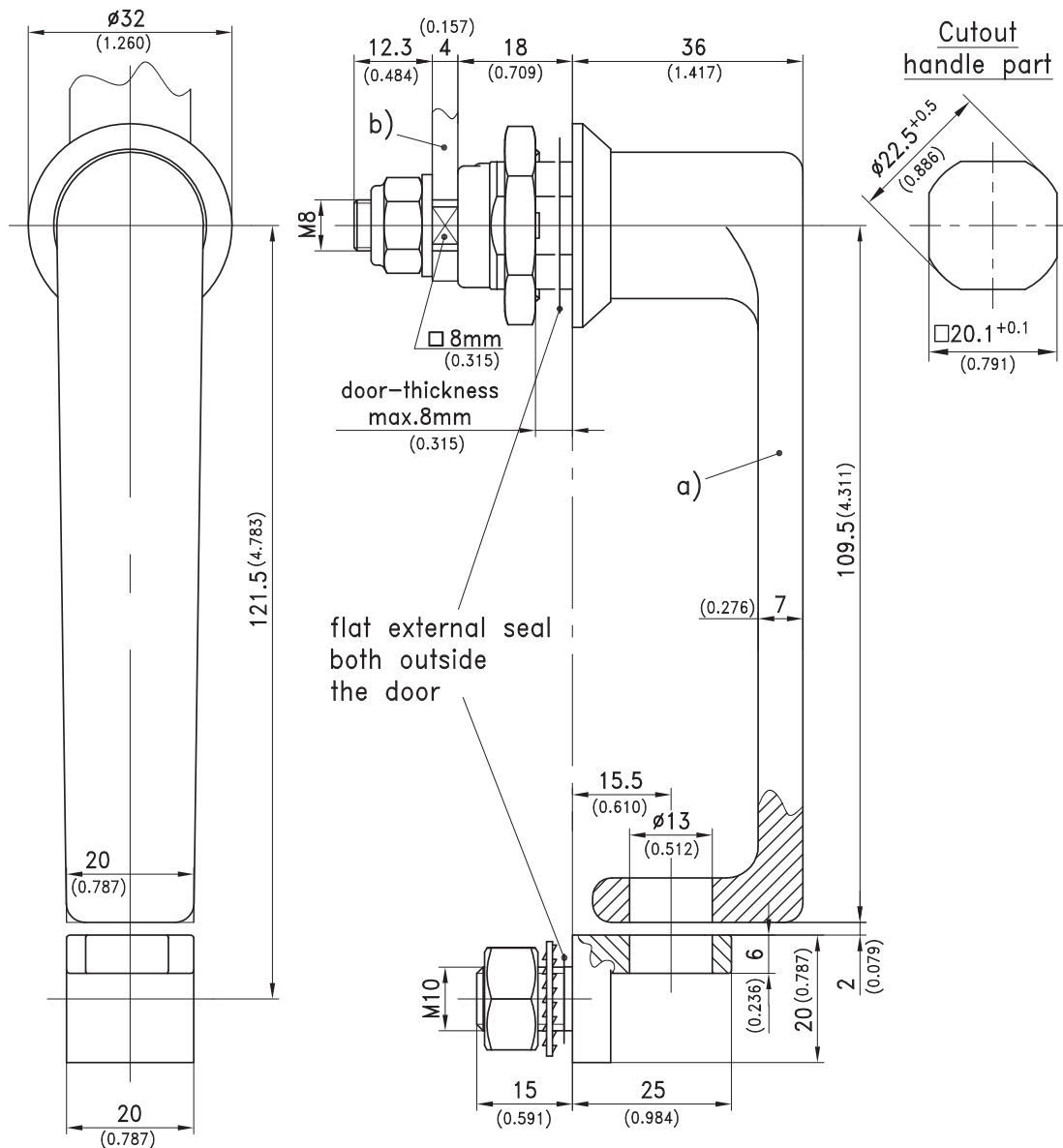
- RH or LH application.
- Water- and dust-tight according to IP65 DIN EN 60529.

**Material:**

- **Handle, Hook and housing:** zinc die, black
- **Both threaded shafts in handle and hook:** steel, zinc plated



Quarter-Turn



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	Part No.	see page
a) L-Handle complete	100-9413	
b) Cam/3-point cam		02.58
Special cams		02.61

Stainless steel version



# 1-154 Quarter-Turn with Handle Pr20.1 L18/40

for Padlock



L-Handle for padlock with 90 ° rotation, Screw-in type.

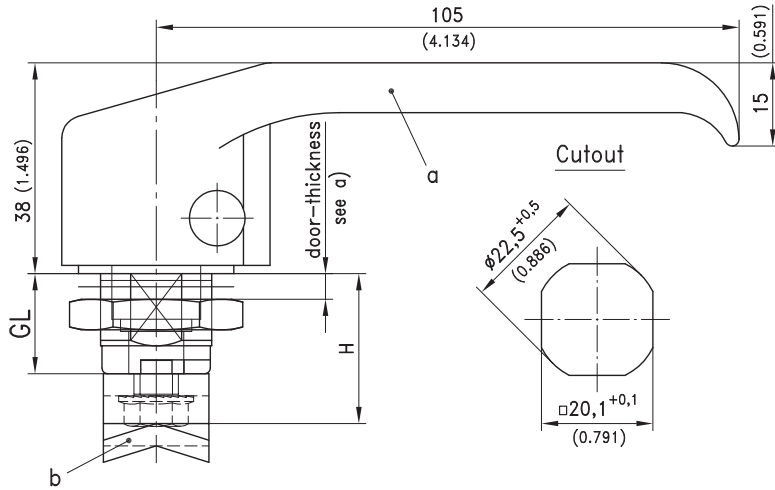
- Water- and dust-tight according to IP65 DIN EN 60529.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **Padlock feature only if cam is at 90° to the handle.**

**Material:**

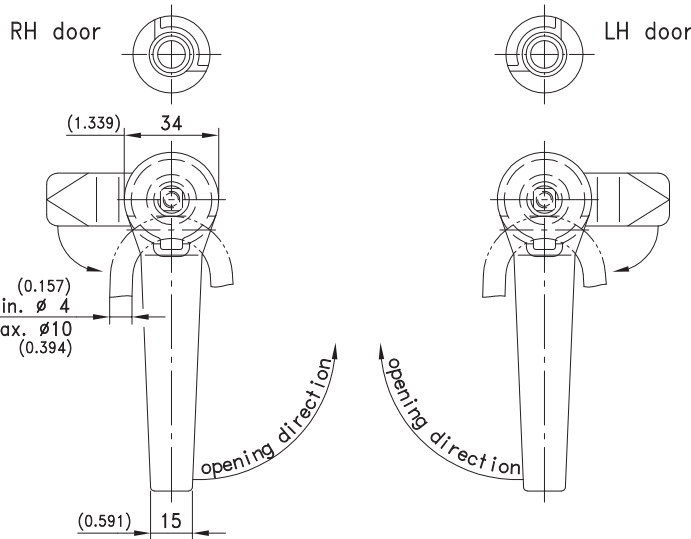
- a)
  - **L-handle**  
zinc die, chrome plated or black coated
  - **Housing:**  
zinc die, zinc plated
  - b)
    - **Cam:**  
steel, zinc plated



Quarter-Turn



Fitting position of the housing, seen from outside of the door, at



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		E-coated	Textured Powder black	see page
a) L-Handle with plain grounding/earthing nut	chrome plated	black	black	
L = 18 (door thickness max. 8mm)	200-9463	200-9464	200-9464.TX	
L = 40 (door thickness max. 30mm)	200-9491	200-9492	200-9492.TX	
b) Cam or 3-point cam				02.58
Special cams				02.61
<b>Optional:</b>				
c) Assembling for right door	200-0019	200-0019	200-0019	
Assembling for left door	200-0020	200-0020	200-0020	

**Stainless steel version** 10.18



# 1-154.01 Quarter-Turn with Handle Pr20.1 L18

for Padlock, with Cylinder



L-Handle for padlock with cylinder barrel or spring-loaded slotted insert with 90° rotation, Screw-in type.

- RH or LH application.
- Water- and dust-tight according to IP65 DIN EN 60529.
- This L-Handle consists of two basic parts which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **Padlock feature only if cam is at 90° to the handle.**

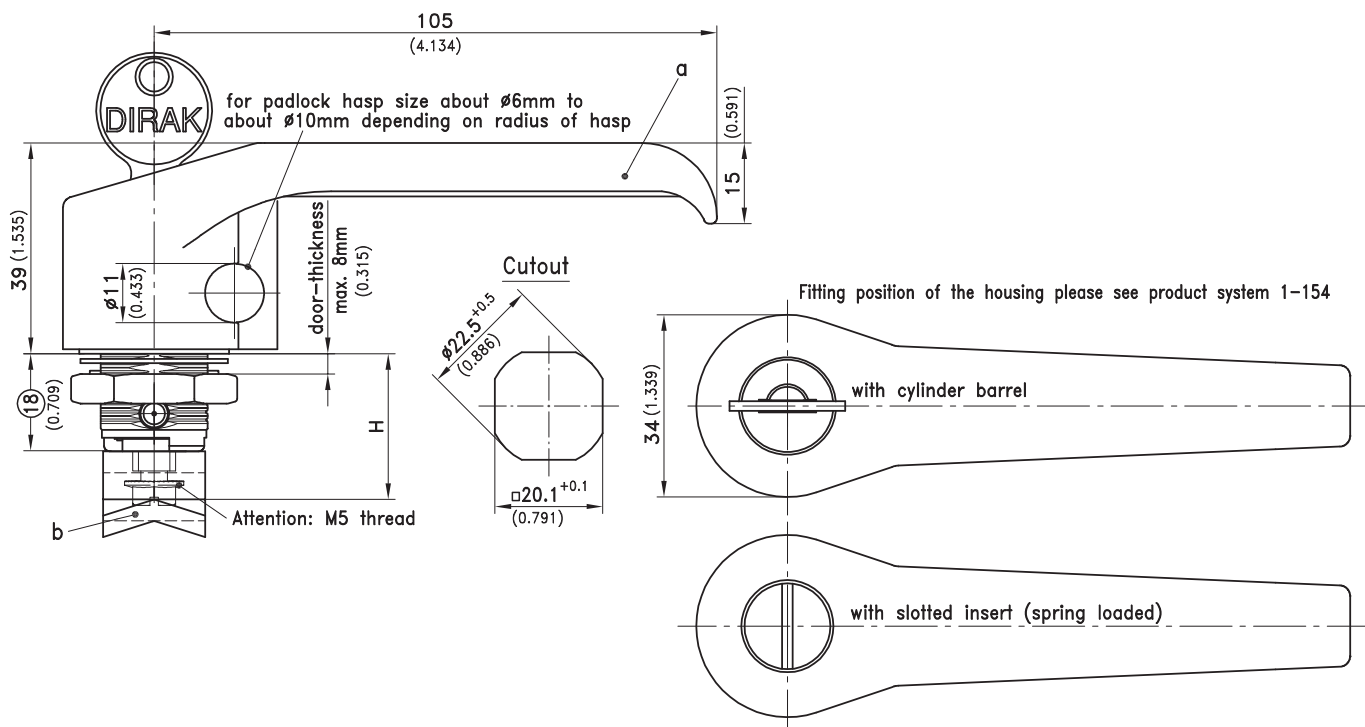
• The system enables an easy (without any tool or device) swap of cylinder, barrel to slotted insert (vice versa).

**Material:**

- a)
  - **L-handle**  
zinc die, black
  - **Housing:**  
zinc die, zinc plated
  - **Slotted insert**  
zinc die, chrome plated
  - **Cylinder barrel:**  
zinc die, with stainless dust cap
- b)
  - **Cam:**  
steel, zinc plated



Quarter-Turn



	E-coated	Textured Powder	see page
a) L-Handle with plain grounding/earthing nut	black	black	
keyed alike DIRAK 1333*	200-9488	200-9488.TX	
keyed different/mixed*	200-9490	200-9490.TX	
Slotted insert, chrome plated (spring loaded)	200-9489	200-9489.TX	
b) Cam or 3-point cam			02.61, 02.58
<b>Optional:</b>			
c) Assembling for right door	200-0019	200-0019	
Assembling for left door	200-0020	200-0020	

All lockable handles supplied with two keys.

\* with stainless dust-shutter

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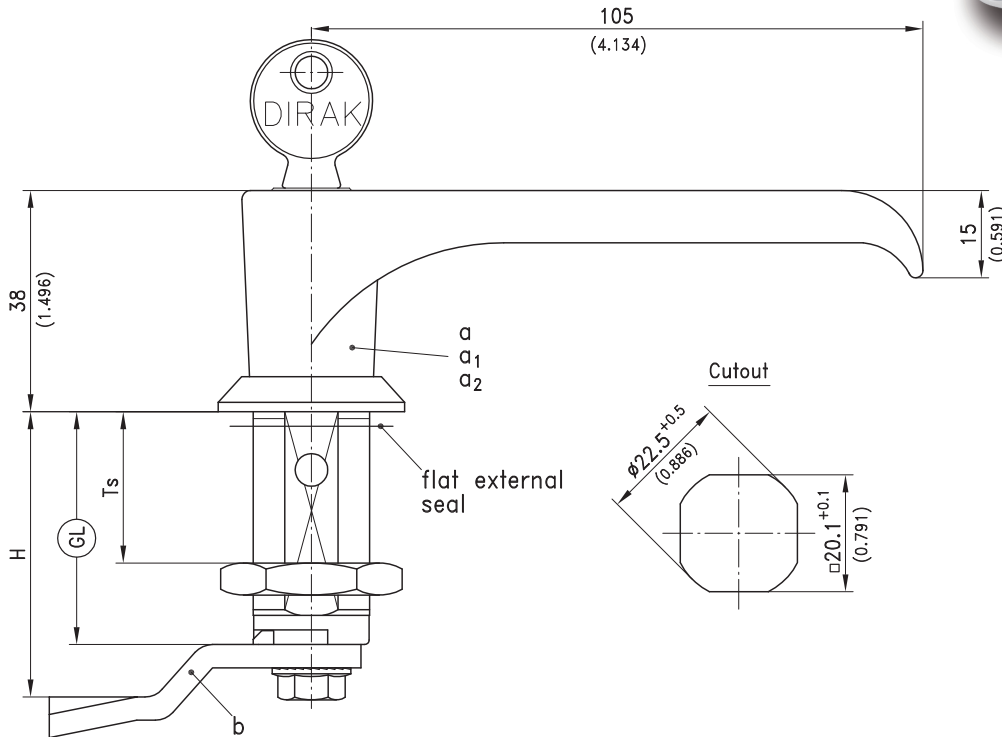
# 1-155.01 Quarter-Turn with Handle Pr20.1 L30-60

with cylinder



- L-Handle with extended housing and plain/grounding/earthing nut.
- Maximum door-thickness 50mm.
  - All versions of Wing-Handles are supplied complete and are water- and dust-tight according to IP65 DIN EN 60529.
  - Housings with L = 36mm on request.
  - Detailed dimensions of the handles see pages 02.48.

- Material:**
- a)
- **Handle:** PA, black with zinc die core or zinc die, chrome plated or black coated
  - **Housing:** zinc die
  - **Flat external seal:** NBR/Perbunan, black
- b)
- **Cam:** steel, zinc plated



Length of 4-hole housing GL	30	40	50	60	see page
Door thickness Ts	20	30	40	50	
<b>a) L-Handle PA, black with zinc die core</b>					
non locking	200-9404	200-9405	200-9406	200-9414	
keyed alike DIRAK 1333*	200-9407	200-9408	200-9409	200-9415	
keyed alike DS200*	500-9407	500-9408	500-9409	500-9415	
keyed different/mixed	200-9410	200-9411	200-9412	200-9416	
<b>a1) L-Handle zinc die, chrome plated</b>					
non locking	200-9439	200-9440	200-9441	200-9442	
keyed alike DIRAK 1333*	200-9443	200-9444	200-9445	200-9446	
keyed alike DS200*	-	500-9444	-	-	
keyed different/mixed	200-9447	200-9448	200-9449	200-9450	
PAGODA keyed alike	501-9443	501-9444	501-9445	501-9446	
PAGODA keyed different/mixed	501-9447	501-9448	501-9449	501-9450	
<b>a2) L-Handle zinc die, black</b>					
non locking	200-9451	200-9452	200-9453	200-9454	
keyed alike DIRAK 1333*	200-9455	200-9456	200-9457	200-9458	
keyed alike DS200*	-	500-9456	500-9457	500-9458	
keyed different/mixed	200-9459	200-9460	200-9461	200-9462	
PAGODA keyed alike	501-9455	501-9456	501-9457	501-9458	
PAGODA keyed different/mixed	501-9459	501-9460	501-9461	501-9462	
<b>b) Cam</b>					<b>02.58</b>
Special cams					<b>02.61</b>

All lockable handles supplied with two keys.

Part No. for PAGODA version with master key system on request.

\* with stainless dust-shutter

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Quarter-Turn

# 2-040 Quarter-Turn PrA L16



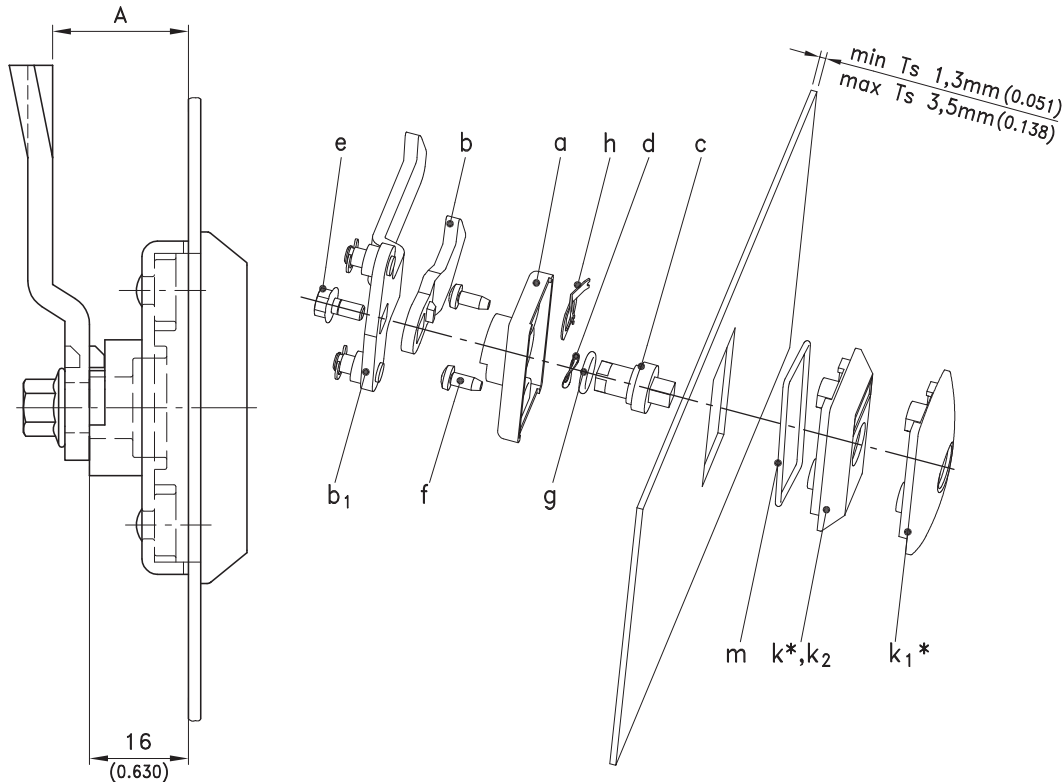
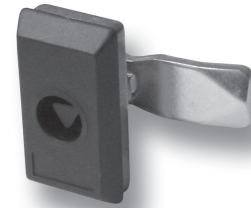
**Note:** Dimension A is based on a 16mm measurement, not 18mm see product system 1-100 (product system 7-080). Therefore, all cam heights are 2mm less. E.g. cam 200-0430 has an A dimension of 28mm.

- **Attention:** min A dimension = 8mm.
- For door thicknesses greater than 3.5mm, use longer screws (f).

**Material:**

- a) **Bearing plate:**  
zinc die, untreated
- b) **Cam:**  
steel, zinc plated
- b1) **3-point cam:**  
steel, zinc plated

- c) **Insert:**  
depends on version
- d) **Wave washer:**  
spring steel, zinc plated
- e) **Serrated screw:**  
steel, zinc plated
- f) **countersunk head, tapping screw**  
steel, zinc plated
- g) and m) **O-Ring:**  
NBR
- h) **Grounding/Earthing clip:**  
stainless steel



	Part No.	see page
<b>Bearing plate</b>	207-2707.00-00016	
<b>b) and b1) cams (Attention: For calculation see text top left!)</b>		02.58
<b>c), d) and e) insert, complete. (For wing and star knob: Please contact DIRAK.)</b>		02.34
<b>k) and f) Escutcheon, short complete</b>	208-9306.00-00000	
<b>k1) and f) Escutcheon, SOFTLINE complete</b>	208-9307.00-00000	
<b>k2) and f) Escutcheon, short double bit</b>	208-9308.00-00000	
<b>Optional:</b>		
<b>g) O-Ring</b>	200-1001.00-00000	
<b>m) O-Ring for Escutcheon</b>	208-1802.00-00000	
<b>h) Grounding/Earthing clip:</b>	208-1201.04-00000	
<b>Cutout 50 x 25 Type A</b>		04.5
<b>* A longer escutcheon is possible with the same principle.</b>		04.24, 04.8

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# 1-160 Quarter-Turn L20

screw-on, weld-on or rivet-on.

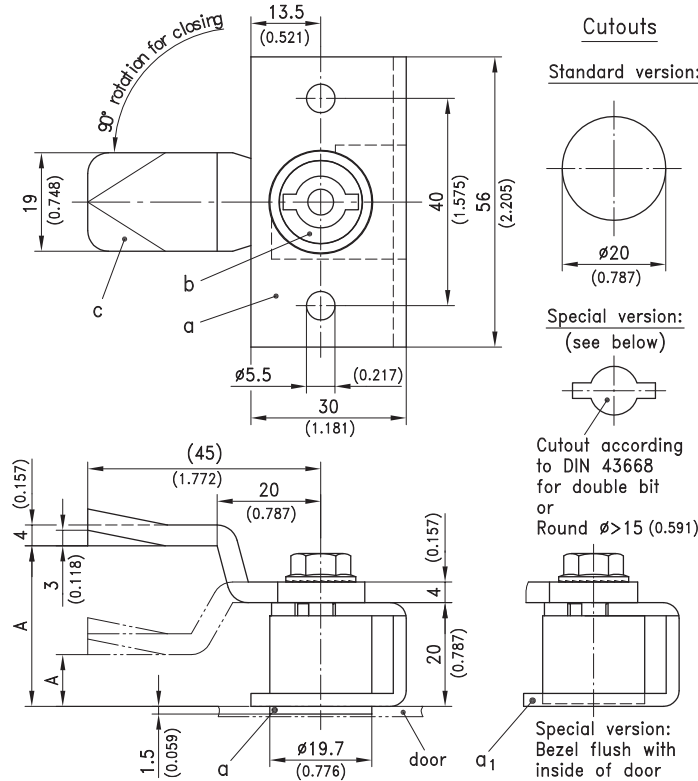


Quarter-Turn screw-on, weld-on or rivet-on.

- This Quarter-Turn consists of three basic parts which can be combined to suit your application.

**Material:**

- a) and a<sup>1)</sup>
- Housing:** steel, zinc plated
- Bezel:** zinc die, natural
- b)
- Insert:** zinc die, chrome plated
- c)
- Cam:** steel, zinc plated



Quarter-Turn

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<b>a) Housing with bezel</b>	<b>Part.-No.</b>	<b>see page</b>
RH version	200-9036	
LH version	200-9037	
<b>a1) Housing with bezel flush</b>		
RH version	100-9010	
LH version	100-9011	
<b>b) Insert e.g.</b>		
Square 6mm	200-9101	
Square 7mm	200-9102	
Square 8mm	200-9103	
Square 8mm slotted	200-9111	
Triangular 7mm	200-9104	
Triangular 8mm	200-9105	
Double bit 3 pin	200-9107	
Double bit 5 pin	200-9108	
Socket hex. 10mm	200-9112	
Daimler Benz type	200-9109	
Slotted 2x4 deep	200-9113	
<b>Additional inserts</b>		<b>02.34</b>

<b>c) Cam L45</b>	<b>see page</b>
<b>A in mm / Part No. A in mm / inch</b>	<b>Part No.</b>
4 / 0.157	200-0402
6 / 0.236	200-0404
8 / 0.315	200-0406
10 / 0.394	200-0408
12 / 0.472	200-0410
15 / 0.590	200-0413
16 / 0.630	200-0414
18 / 0.709	200-0416
20 / 0.787	200-0418
22 / 0.866	200-0420
24 / 0.945	200-0422
26 / 1.024	200-0424
27 / 1.063	200-0425
28 / 1.102	200-0426
32 / 1.181	200-0428
32 / 1.260	200-0430
34 / 1.339	200-0432
36 / 1.417	200-0434
37 / 1.457	200-0435
38 / 1.496	200-0436
40 / 1.575	200-0438
42 / 1.654	200-0440
44 / 1.732	200-0442
46 / 1.811	200-0444
47 / 1.850	200-0445
49 / 1.929	200-0447
52 / 2.047	200-0450
55 / 2.165	200-0453
57 / 2.244	200-0455

<b>Additional cams</b>	<b>02.58, 02.61</b>
<b>Optional:</b>	
<b>d) Assembling</b>	<b>200-0001</b>



# 1-112 Flush Quarter-Turn L22-66



Quarter-Turn

Flush Quarter-Turn with extended housing, RH or LH application.

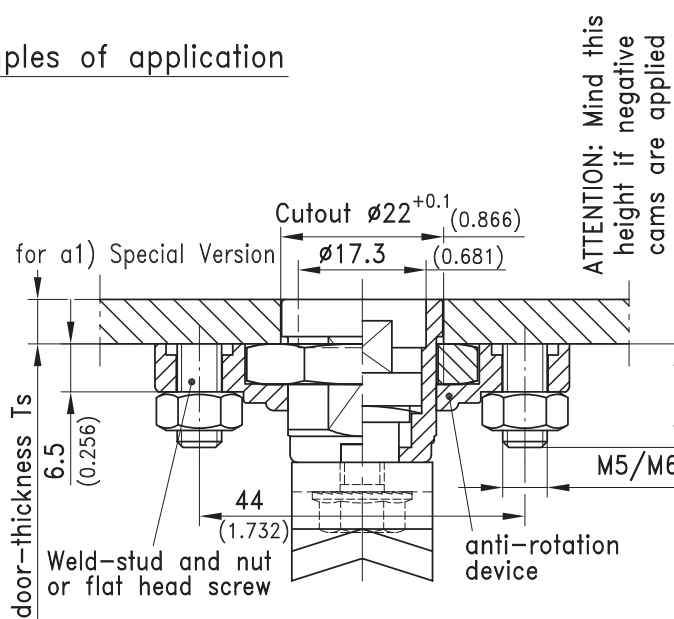
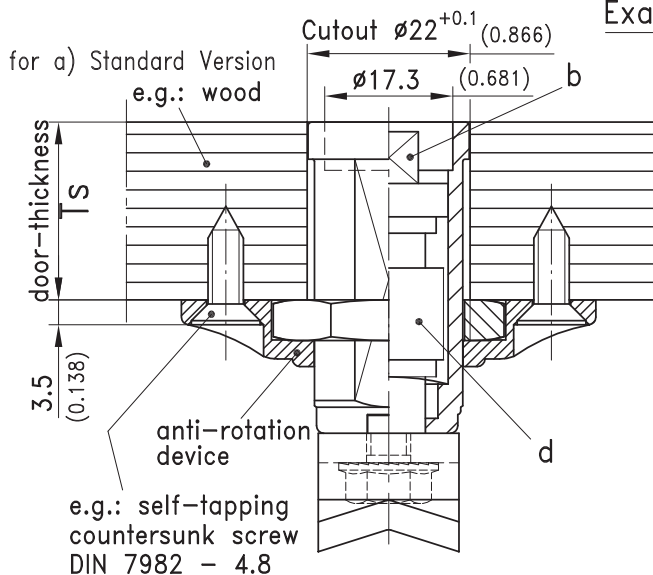
- The Quarter-Turn consists of three basic components a, b and c, which can be combined to suit your application.
- The Quarter-Turn has absolutely no protrusion on the outside.
- With the nut, the housing is put exactly into position and secured with the anti-rotation device.
- In conjunction with the stop plate, stop less constructions with aluminum profiles and/or with flat components can be latched perfectly.

**Material:**

- a) **Housing:**  
zinc die, chrome plated or black coated
- b) **Anti-rotation device:**  
zinc die, zinc plated
- c) **Nut:**  
steel, zinc plated
- d) **Insert:**  
zinc die, chrome plated or black coated or PA, black with zinc die core
- e) **Cams:**  
steel, zinc plated
- f) **Adapter:**  
zinc die, untreated
- g) **Stop plate:**  
zinc die, black



Examples of application



a) Housing with nut and anti-rotation device	zinc die, chrome plated	zinc die, black	Adapter d) with screw	see page
GI				
	Ts max.			
22	7	200-9088	200-9089	-
36	21	200-9090	on request	200-9031
42	27	200-9092	on request	200-9032
46	31	200-9094	on request	200-9033
56	41	200-9096	on request	200-9034
66	51	200-9098	on request	200-9035

a1) Housing a) but with nut M5/M6 (weld-stud) or flat-head screw on request.

b) Insert 02.34

Optional:

c) Cam 02.58

e) Assembling 200-0003 200-0003

f) Stop plate 265-3001.02 265-3001.02

The anti-rotation device can also be ordered separately. 200-4609 200-4609

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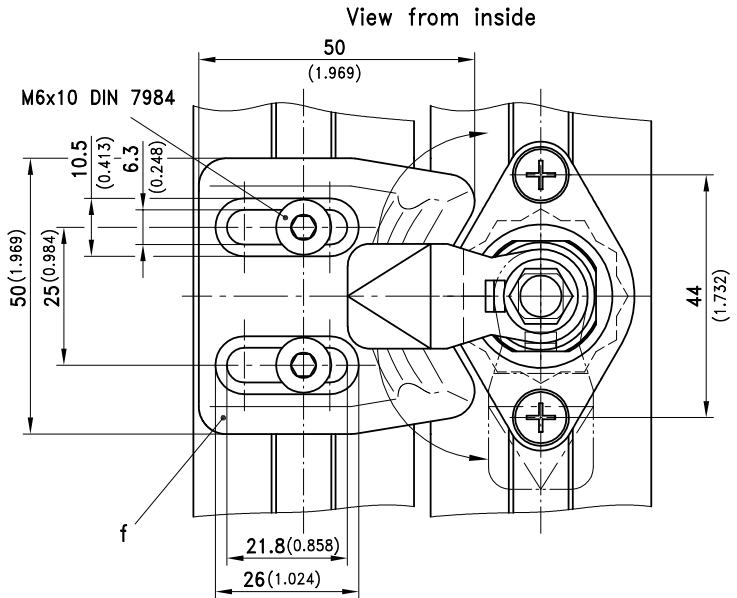
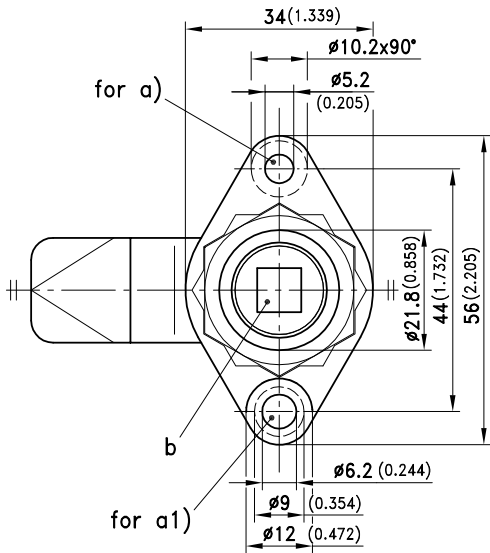
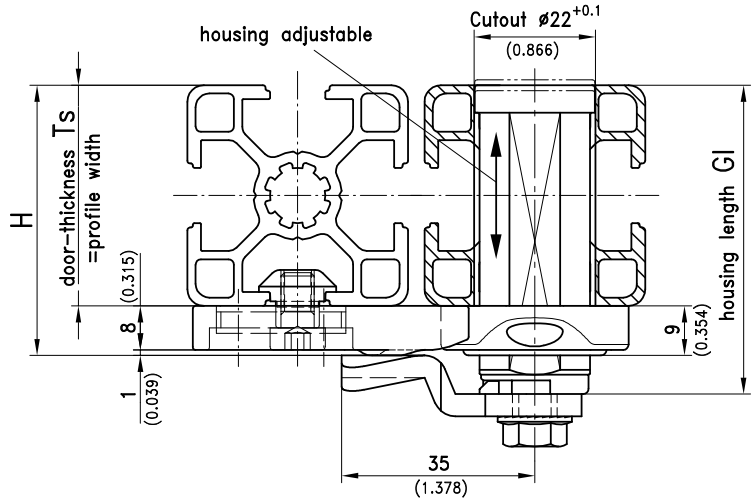
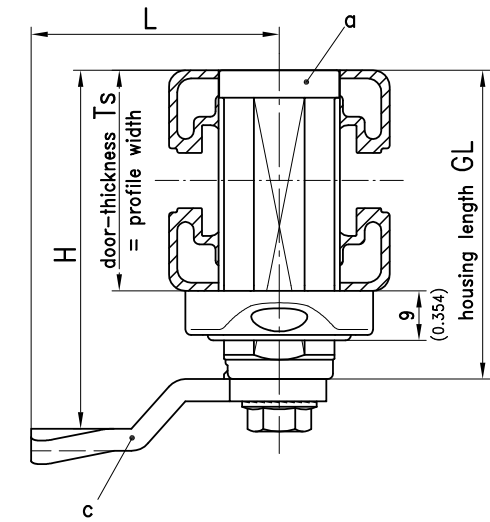
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# 1-112 Flush Quarter-Turn L22-66

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Quarter-Turn

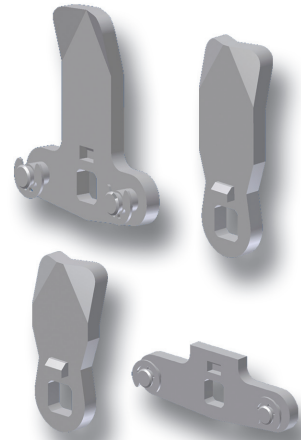
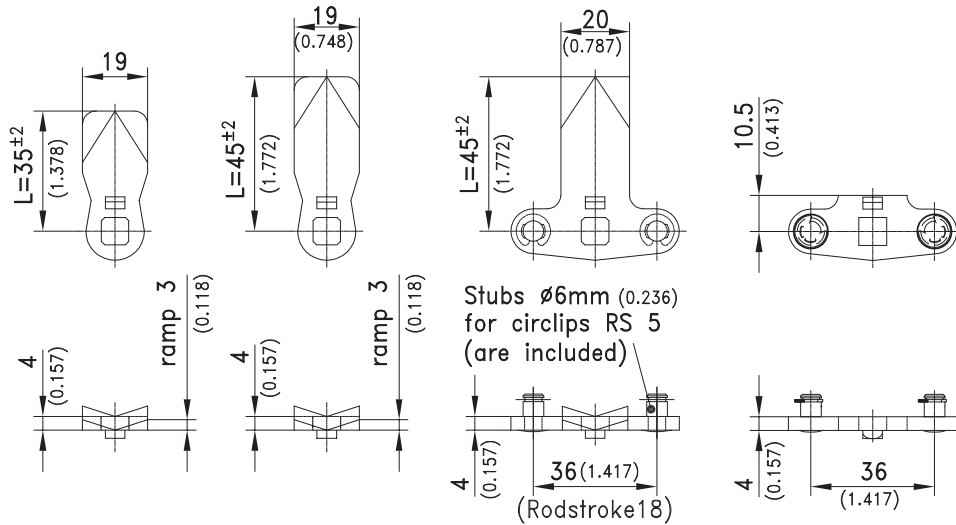
# 1-102 Cams



## Material:

- Cams:  
steel, zinc plated

Quarter-Turn



H at housing length (GI):															
GI12	GI18	GI22	GI30	GI32	GI36	GI40	GI42	GI46	GI50	GI56	GI60	GI66			
-	2	6	14	16	20	24	26	30	34	40	44	50	-	200-0402	-
-	4	8	16	18	22	26	28	32	36	42	46	52	-	200-0404	200-9504
-	6	10	18	20	24	28	30	34	38	44	48	54	200-0606	200-0406	200-9506
-	8	12	20	22	26	30	32	36	40	46	50	56	200-0608	200-0408	200-9508
-	10	14	22	24	28	32	34	38	42	48	52	58	200-0610	200-0410	200-9510
6	13	17	25	27	31	35	37	41	45	51	55	61	200-0613	200-0413	200-9513
8	14	18	26	28	32	36	38	42	46	52	56	62	200-0614	200-0414	200-9514
10	16	20	28	30	34	38	40	44	48	54	58	64	200-0616	200-0416	200-9516
12	18	22	30	32	36	40	42	46	50	56	60	66	200-0618	200-0418	200-9518
14	20	24	32	34	38	42	44	48	52	58	62	68	200-0620	200-0420	200-9520
16	22	26	34	36	40	44	46	50	54	60	64	70	200-0622	200-0422	200-9522
18	24	28	36	38	42	46	48	52	56	62	66	72	200-0624	200-0424	200-9524
19	25	29	37	39	43	47	49	53	57	63	67	73	200-0625	200-0425	200-9525
20	26	30	38	40	44	48	50	54	58	64	68	74	200-0626	200-0426	200-9526
22	28	32	40	42	46	50	52	56	60	66	70	76	200-0628	200-0428	200-9528
24	30	34	42	44	48	52	54	58	62	68	72	78	200-0630	200-0430	200-9530
26	32	36	44	46	50	54	56	60	64	70	74	80	-	200-0432	200-9532
28	34	38	46	48	52	56	58	62	66	72	76	82	-	200-0434	200-9534
29	35	39	47	49	53	57	59	63	67	73	77	83	200-0635	200-0435	200-9535
30	36	40	48	50	54	58	60	64	68	74	78	84	-	200-0436	200-9536
32	38	42	50	52	56	60	62	66	70	76	80	86	200-0638	200-0438	200-9538
34	40	44	52	54	58	62	64	68	72	78	82	88	200-0640	200-0440	200-9540
36	42	46	54	56	60	64	66	70	74	80	84	90	200-0642	200-0442	200-9542
38	44	48	56	58	62	66	68	72	76	82	86	92	200-0644	200-0444	200-9544
39	45	49	57	59	63	67	69	73	77	83	87	93	-	200-0445	200-9545*
41	47	51	59	61	65	69	71	75	79	85	89	95	-	200-0447	200-9547*
44	50	54	62	64	68	72	74	78	82	88	92	98	-	200-0450	200-9550*
47	53	57	65	67	71	75	77	81	85	91	95	101	-	200-0453	-
49	55	59	67	69	73	77	79	83	87	93	97	103	-	200-0455	-

\* Price and delivery time on request

	Part No.	see page
2-point cam, steel, zinc plated	200-9599	
Cam with ramp H=18, L=25	200-5118	02.59
Hooked Cams		02.60
Other cams		02.61, 03.37
Cam for alternativ solution		03.38
Stainless steel cams		10.10

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# 1-261 Cam with ramp

Cams with or without ramp

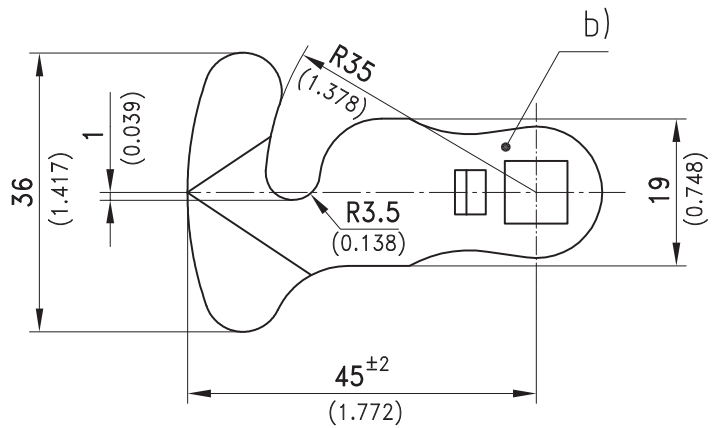
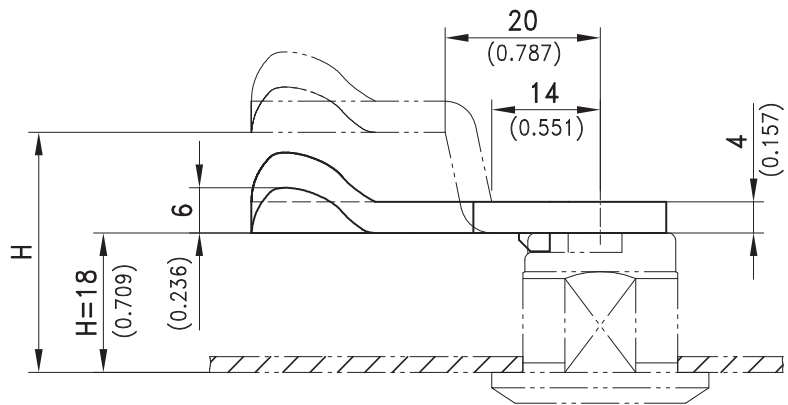
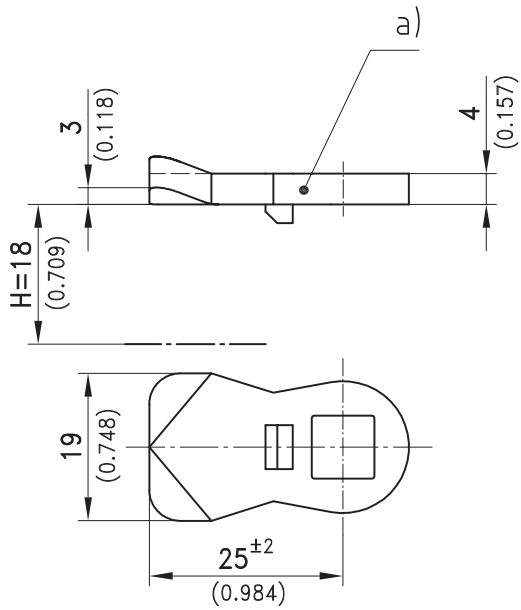


Special cams for Quarter-Turn series 200.

**Material:**  
 • Cams:  
 steel, zinc plated



Quarter-Turn



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	Part No.
a) Cam with Ramp, H=18, L=25	200-5118.00-00000
b) Cam with 6mm Ramp	
	H in mm
	18
	22

The special shape of this cam allows installation of a complete pre-assembled Quarter-Turn. Also the nut slides over the cam.

Other dimensions of cams, minimum order quantity and delivery times on request.



# 1-260 Hooked cam

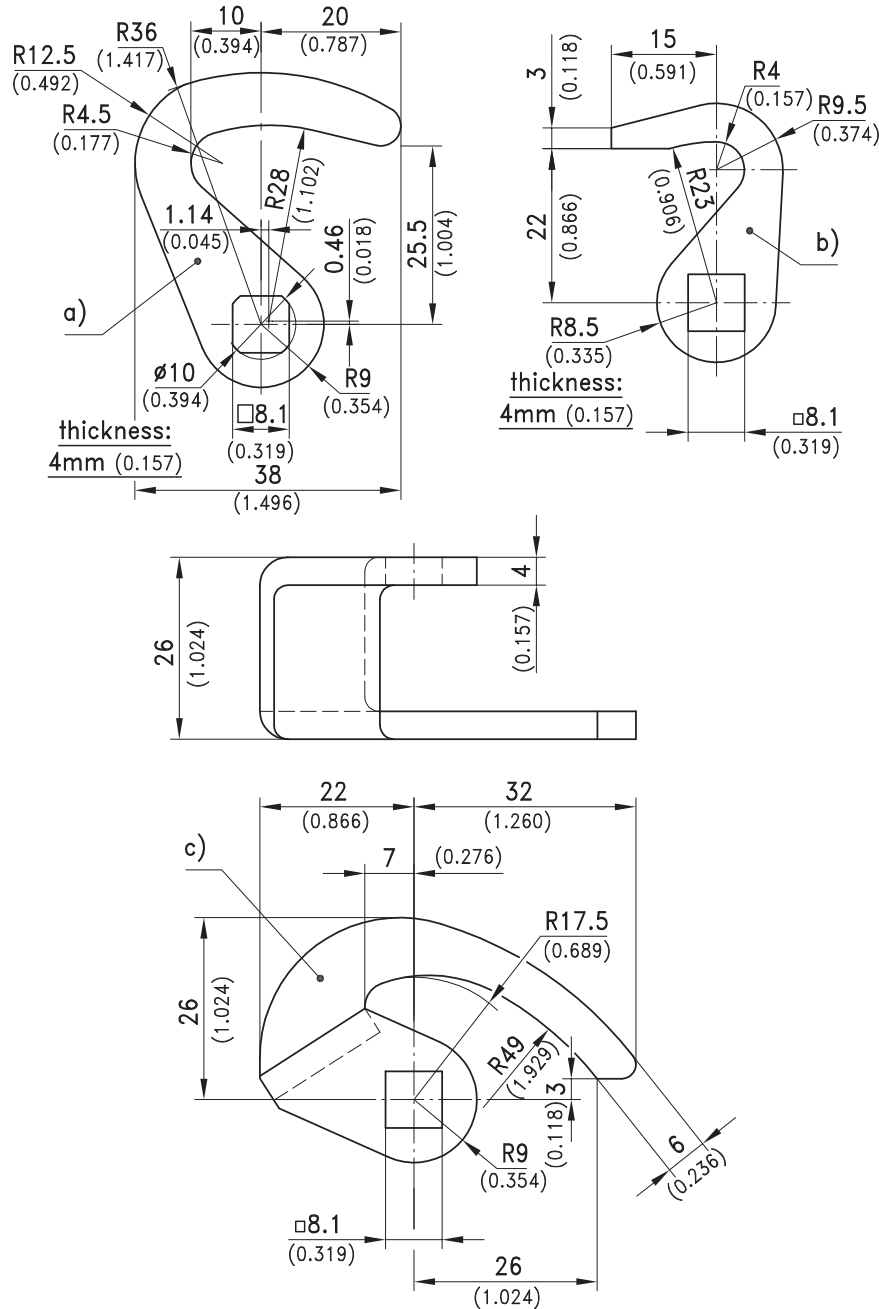


Hooked cam suitable for all 200-series latches and handles.

**Material:**

- **Hooked cam:** steel, zinc plated

- **Please note:** When assembling 200-1701 or 200-1703 by DIRAK, please indicate the locking direction of the cam.
- 200-1702 only clockwise operation.



Quarter-Turn

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	Part No.
a)	200-1701
b)	200-1703
c)	200-1702

# 1-262 Cam with ramp

Cams with or without ramp



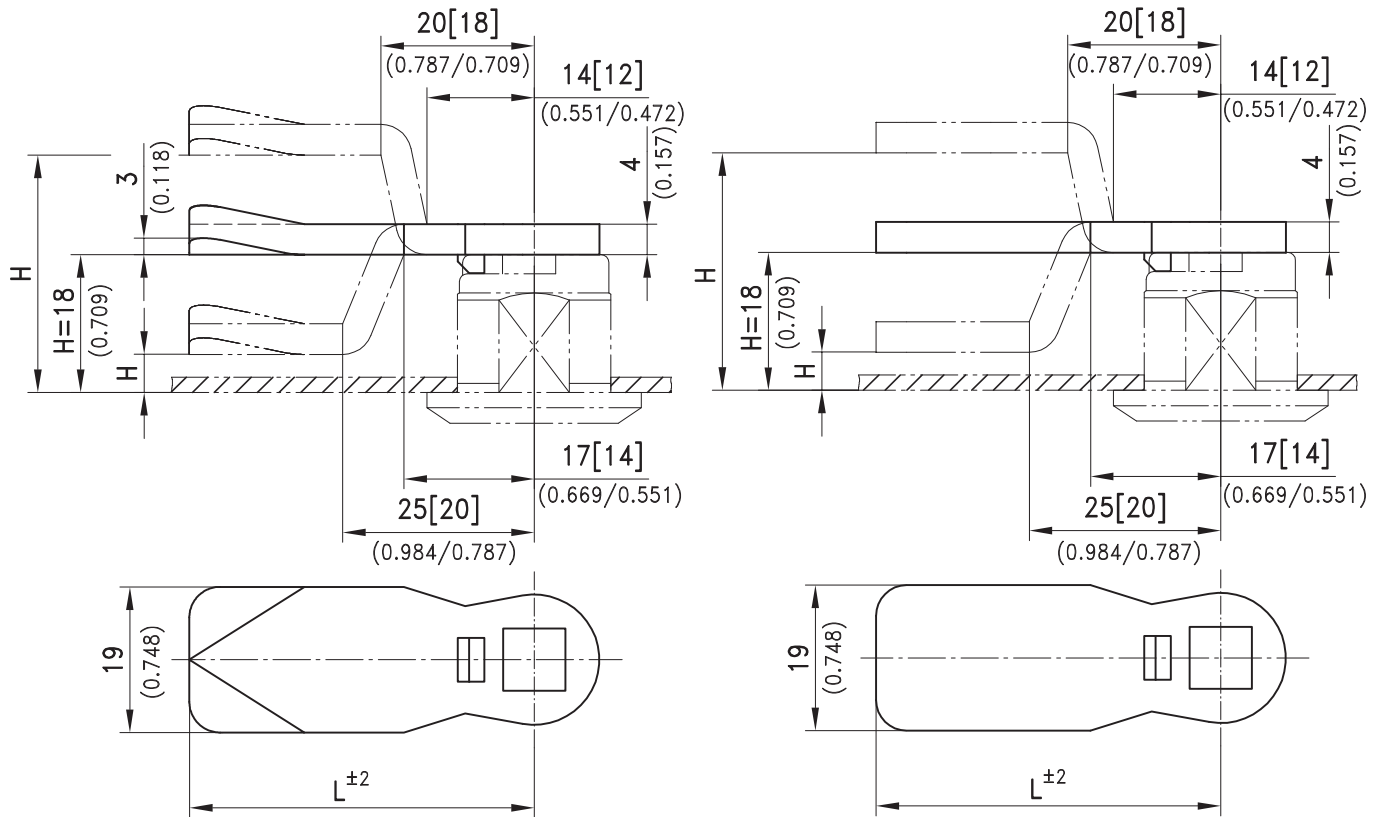
Special cams for Quarter-Turn series 200.

**Material:**  
 • Cams:  
 steel, zinc plated



Quarter-Turn

The dimensions in [] brackets apply to cams with L-dimensions < 45mm.



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	L and H in mm	Part No.
a) cam with ramp and L- and H-dimensions variable	Example for cam with ramp, with L=40 and H=20: 200-4440.00-00020	200-44LL.00-000HH
b) cam without ramp and L- and H-dimensions variable	Example for cam without ramp, with L=40 and H=20: 200-5440.00-00020	200-54LL.00-000HH

Minimum order quantity, price and delivery time on request.

# 1-264 Slam cam



Slam-Cam for Slam Doors. Locking without key or tool.

- **To a):** The Teflon washer replaces the wave washer underneath the insert.
- Used with Quarter-Turns and inserts.
- **To a1):** Slam-Cam with free-stroke for applications with cylinder locks and handles.
- A Slam-Cam set consists of a cam, a spring and M6x10 hex screw with underhead serrations self securing powder dot.
- This self securing powder dot is to tune / adjust the correct friction for the stroke.
- The screw supplied with the handle is not required.

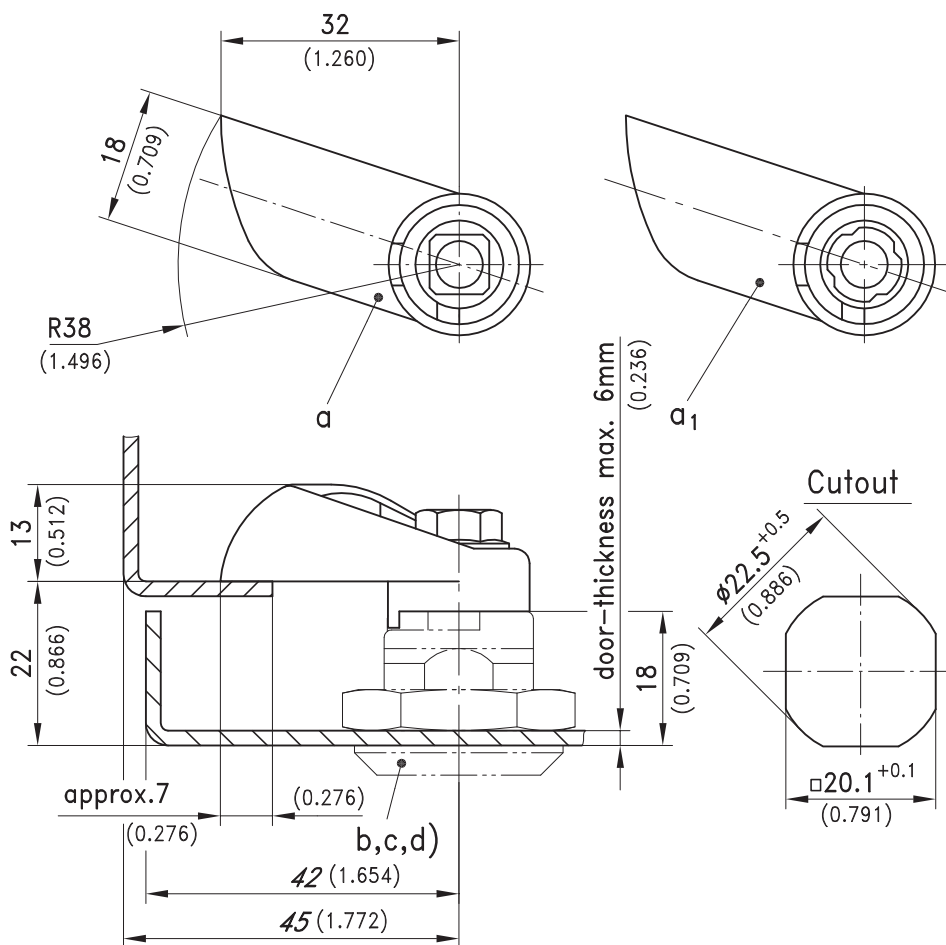
- **Attention:** On request, latch units with this cam should be assembled by DIRAK. A pre-assembled Quarter-Turn can be installed through the cutout.

**Material:**

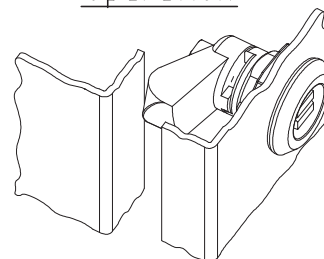
- a) and a1) **Slam cam:** zinc die, chrome plated
- **Spring:** steel, zinc plated
- **Spacer:** POM



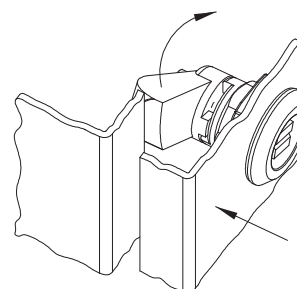
Quarter-Turn



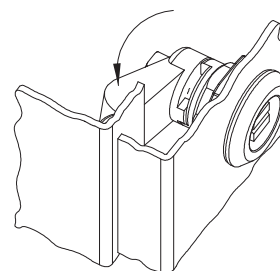
Operation



open position



cam is pushed upwards against spring force



closed position  
springloaded cam drops behind frame

	Part No.	see page
a) Slam-Cam with spring and Teflon washer		
RH version, i.e. hinges on RH side	200-9605	
LH version, i.e. hinges on LH side	200-9606	
Other dimensions on request.		
a1) Slam-cam with free-stroke (see description right side)		
RH version, i.e. hinges on RH side	200-9607	
LH version, i.e. hinges on LH side	200-9608	
b) Housing		02.26, 02.29, 02.31
c) Insert		02.34
d) Handles and cylinder locks		

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# 1-300 Slam-Latch



Slam-latch for doors and panels.

- Can be opened by key or handle.
- The slam-latch is screwed onto the latch support, which is either screwed or, in case of heavy application, welded to the door.
- If assembled without insert it can be opened with tapered square key.
- The slam bolt has a slam feature.

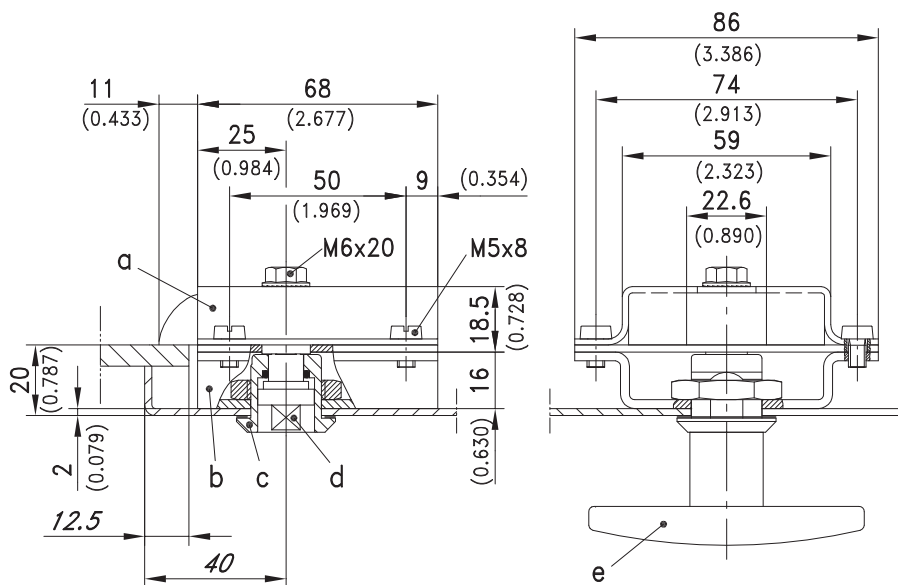
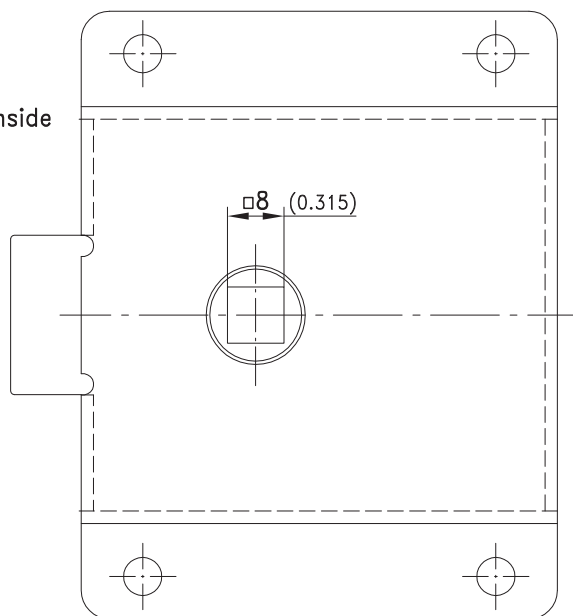
**Material:**

- a) **Housing:** steel, zinc plated
- Bolt:** zinc die, zinc plated
- b) **Lock support:** steel, zinc plated



Quarter-Turn

View from inside of door



	Part No.	see page
a) Slam-latch	229-9101	
b) Lock support	229-0501	
c) Housing with nut e.g.	200-9005	02.26
d) Insert		02.34

Optional:		
e) T-Handle		02.44
e2) L-Handle		02.48
e3) Wing handle		02.39

Fitting hardware

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# 1-400 3-Point Latch

for Quarter-Turn Cutout

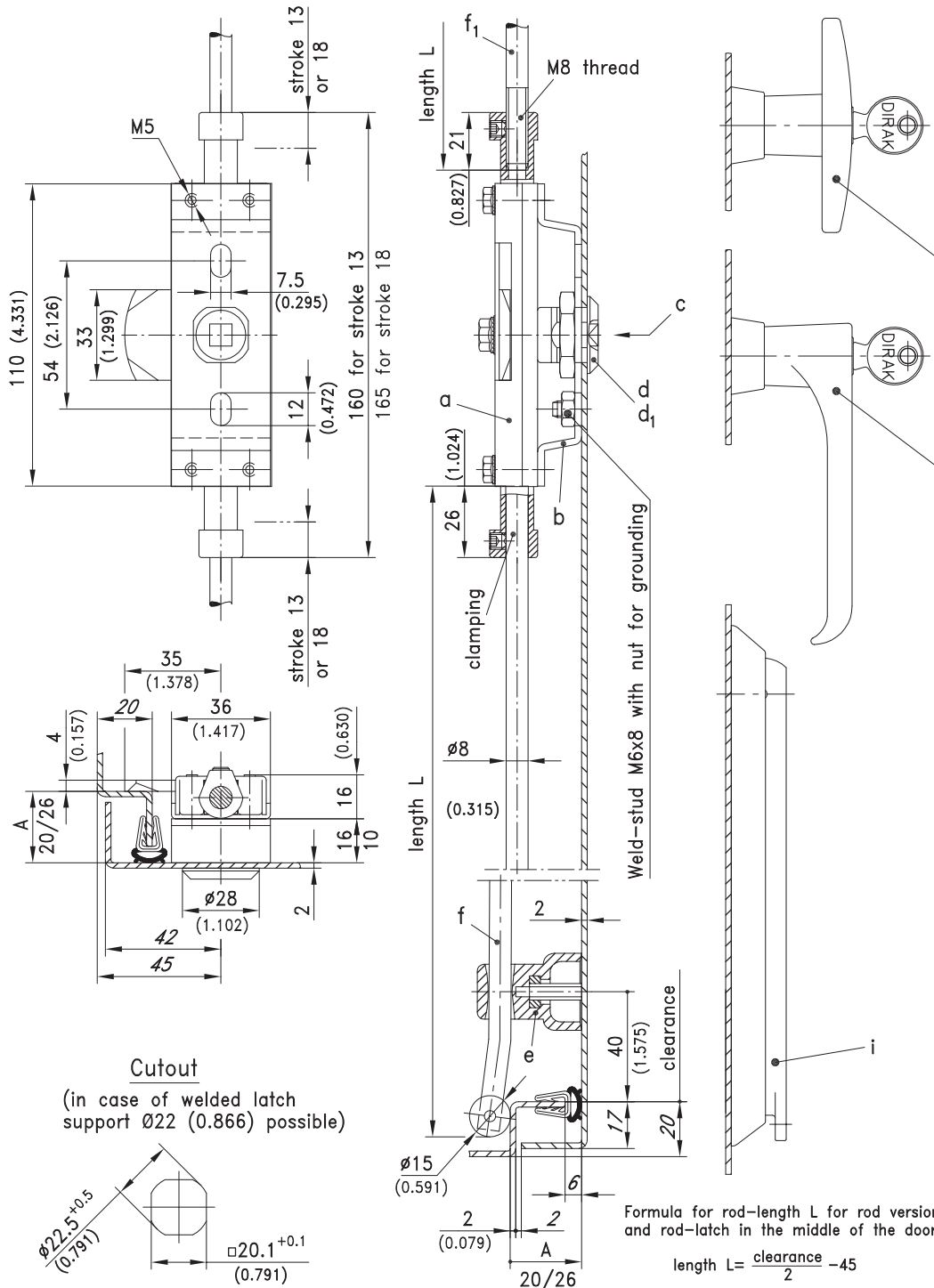


Rod-Latch system Screw-in or Weld-on. **Material:**  
Heavy duty version.

- a) and a1)
- **Rod Latch:** steel, zinc plated and zinc die
- b)
- **Lock support:** steel, zinc plated
- c)
- **Insert:** zinc die, chrome plated
- d) and d1)
- **Escutcheon:** zinc die, chrome plated
- e)
- **Rod Guide:** PA, black
- f) and f1)
- **Round rods:** steel, zinc plated



Quarter-Turn



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# 1-400 3-Point Latch

for Quarter-Turn Cutout

<b>a) Rod-Latch for Round Rod Ø8mm</b>	<b>Stroke 13</b>	<b>Stroke 18</b>	<b>see page</b>
RH version	235-9001	235-9003	
LH	235-9002	235-9004	
<b>a1) Rod-latch for round rod threaded M8</b>			
RH	235-9005	235-9007	
LH	235-9006	235-9008	
<b>b) Latch support for RH and LH version</b>			
A20	235-1001	235-1001	
A26	235-1002	235-1002	
<b>c) Insert with screw M6x10</b>			
Square 6	235-9101	235-9101	
Square 7	235-9102	235-9102	
Square 8	235-9103	235-9103	
Triangular 6,5 CNOMO	235-9104	235-9104	
Triangular 7	235-9105	235-9105	
Triangular 8	235-9106	235-9106	
Double bit 3 pin	235-9107	235-9107	
Double bit 5 pin	235-9108	235-9108	
Daimler Benz	235-9109	235-9109	
<b>d) Escutcheon for double bit only</b>			
A20	235-9201	235-9201	
A26	235-9202	235-9202	
<b>d1) Escutcheon for all other insert variations</b>			
A20	235-9203	235-9203	
A26	235-9204	235-9204	
<b>e) Rod Guide for bending A20</b>	200-3601.03	200-3601.03	02.77
Rod Guide for bending A26	200-3602.03	200-3602.03	
<b>f) Round rods with rollers, to be cut</b>			02.75
L in mm	400	201-9001	201-9001
	500	201-9020-0500	201-9020-0500
	600	201-9002	201-9002
	700	201-9020-0700	201-9020-0700
	800	201-9003	201-9003
	900	201-9020-0900	201-9020-0900
	1000	201-9004	201-9004
	1100	201-9020-1100	201-9020-1100
	1200	201-9005	201-9005
<b>Customized lengths</b>			02.76
<b>f1) Round rods Ø8mm threaded M8. Length L=1000</b>	201-0801-1000	201-0801-1000	
<b>Optional:</b>			
<b>Water- and dust-tight according to IP65 by:</b>			
<b>g) O-Ring</b>	200-1001	200-1001	
<b>h) Flat external seal</b>	200-0901	200-0901	
<b>i) Swinghandle</b>			03.21
<b>j) T- and L-Handle</b>			02.74

Quarter-Turn

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# 1-450 Explosion-Tight Door Furniture

for medium and high voltage distribution boards



Unit for explosion tight doors.

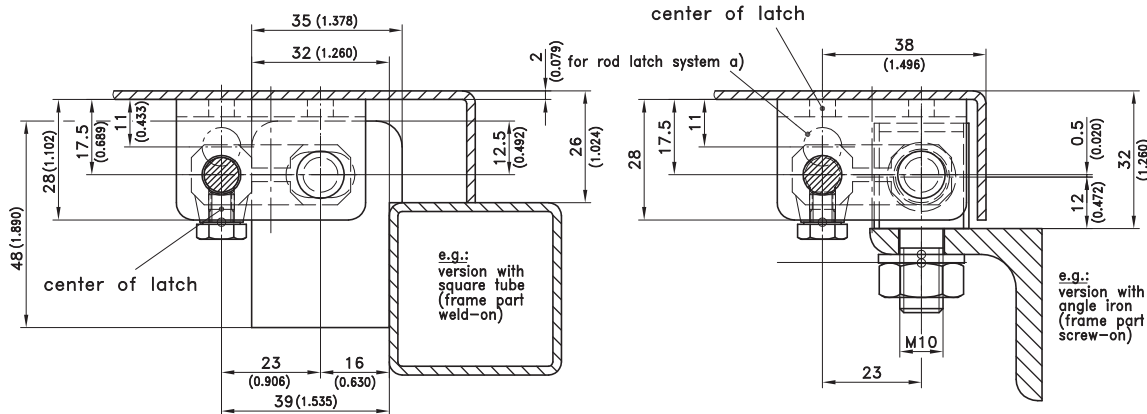
- This system can also be controlled by a Swing-handle with a Profile Cylinder.

## Material:

- a)
  - **Rod Latch:** steel, zinc plated or zinc die
  - **Escutcheon:** PA, black
  - **Insert:** zinc die, chrome plated a1)
  - **Rod:** steel, zinc plated b)
  - **Rod Latch:** steel, zinc plated or zinc die
  - **Lock support:** steel, zinc plated
  - **Insert:** zinc die, chrome plated

- **Escutcheon:** zinc die, chrome plated b1)
- **Round rods:** steel, zinc plated g) and h)
- **Weld-on U-bracket 215-0101 and 215-0101.00-00001:** steel, untreated k)
- **Frame part eye 215-0201:** steel, untreated l)
- **Screw-on eye 215-0401:** steel, zinc plated m)
- **Connecting pin 215-0501 and fixing pieces:** steel, zinc plated n)
- **Link 215-9101:** zinc die
- \* **Special version on request.**

Quarter-Turn



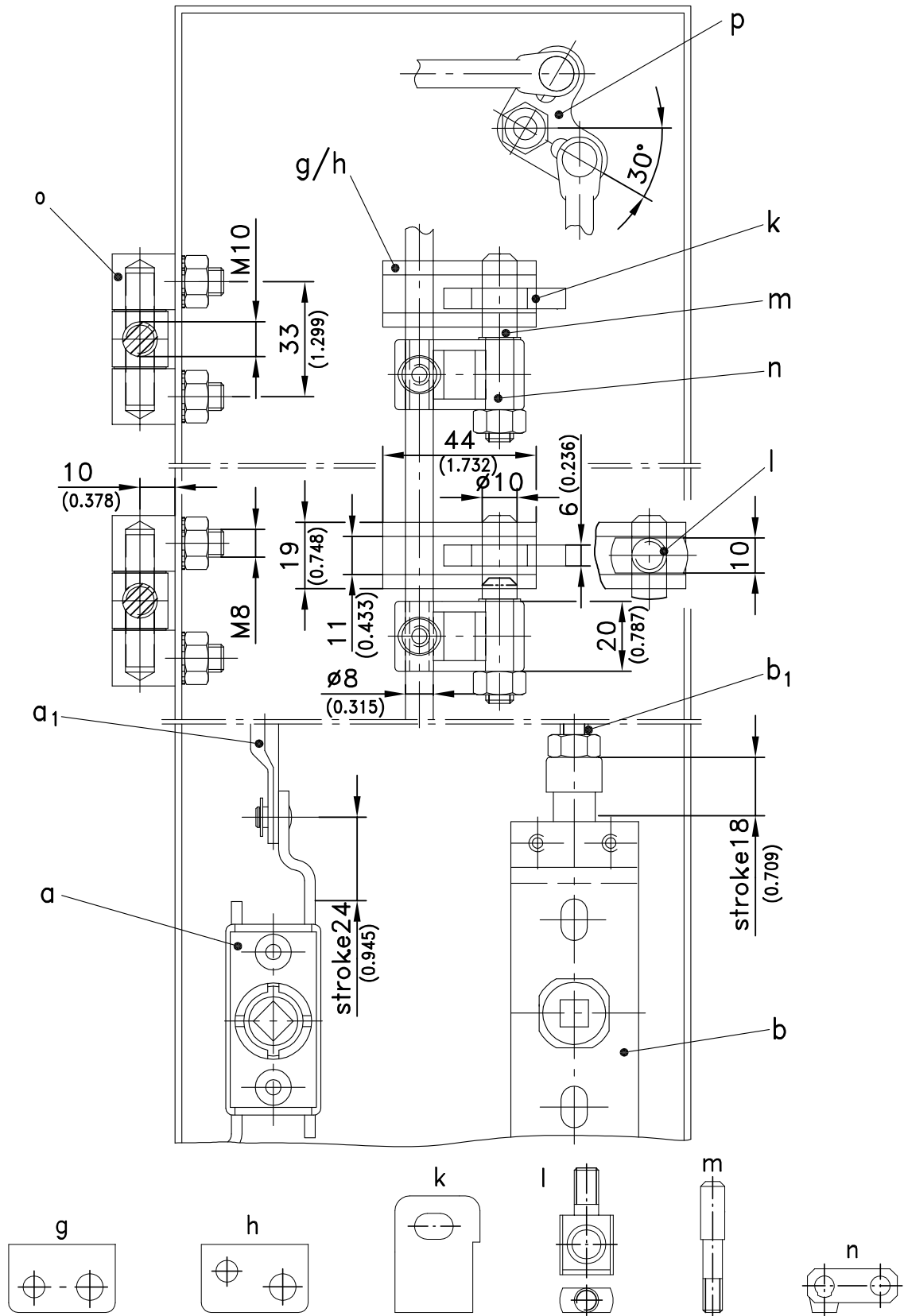
	Part No.	see page
a) Rod latch RH/LH	208-9001	
Escutcheon	208-9302	
Insert double bit 5	208-9207	
a1) Rod with eye length L		
400 / 15.748	201-0102	
600 / 23.622	201-0104	
800 / 31.496	201-0106	
1000 / 39.370	201-0108	
1200 / 47.244	201-0110	
e) Set of explosion tight-fittings (frame part weld-on)	215-9003	
f) Set of explosion tight-fittings (frame part screw-on)	215-9004	
b) Latch system		02.64
Rod-latch for round rod threaded M8, without cam (stroke 18)		
RH	235-9013	
LH	235-9014	
Lock support	235-1001	
Double bit 5 pin	235-9108	
Escutcheon:	235-9201	
b1) Round rods Ø8 with threaded M8		
Length L=1000 / 39.370	201-0801-1000	
c) Set of explosion tight-fittings (frame part weld-on)	215-9001	
d) Set of explosion tight-fittings (frame part screw-on)	215-9002	
o) Srew-on hinge		06.62
p) Redirection		02.69

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# 1-450 Explosion-Tight Door Furniture

for medium and high voltage distribution boards



Quarter-Turn

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	U-bracket, series 235	U-bracket, series 208	frame part eye	screw-on eye	connecting pin	link
	215-0101	215-0101.00-00001	215-0201*	215-0401	215-0501	215-9101
c)	215-9001	X	X		X	X
d)	215-9002	X		X	X	X
e)	215-9003		X		X	X
f)	215-9004	X		X	X	X





# 1-451 Redirection

for Explosion-Tight Doors



Redirection for explosion tight door fittings see page 02.66.

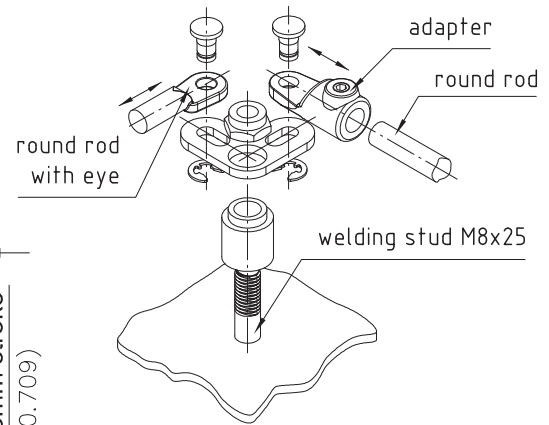
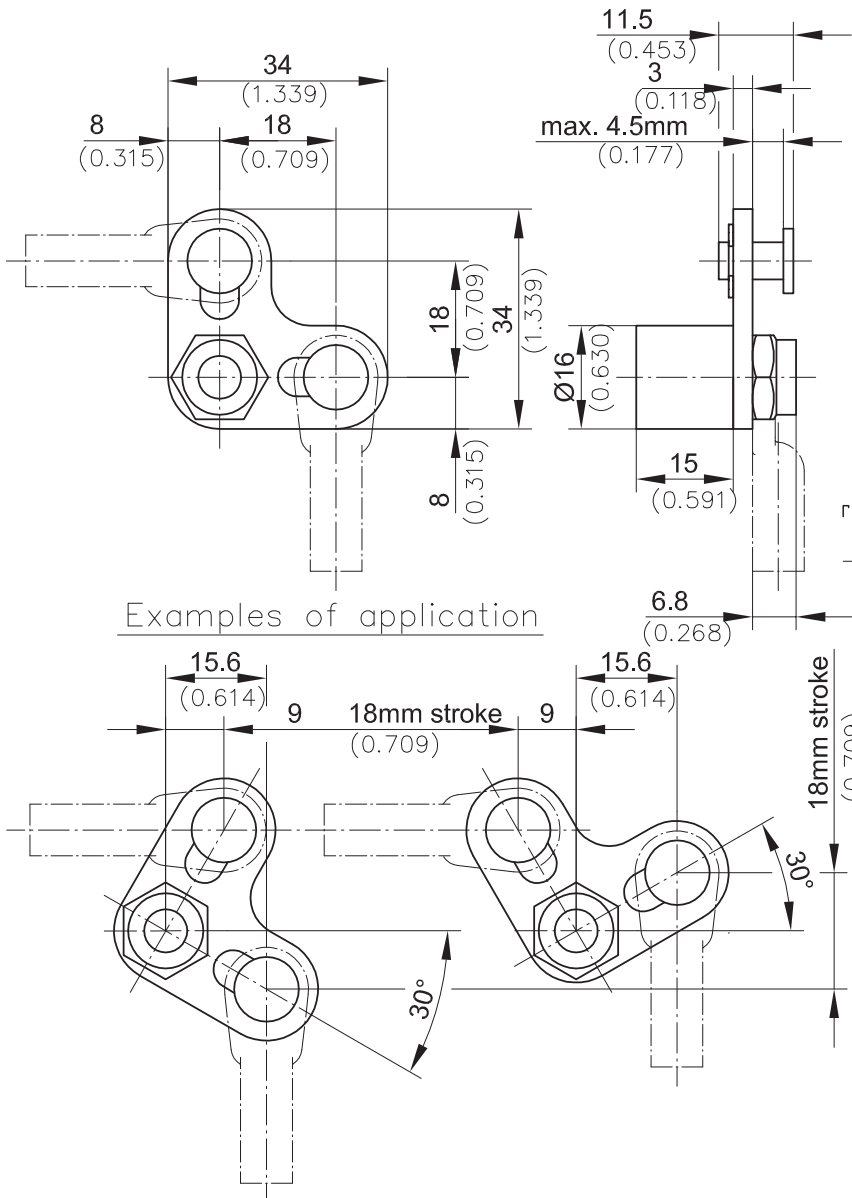
- Redirection of the rod with eye from horizontal to vertical or from vertical to horizontal.
- RH and LH application.
- Suitable for round rods Ø8mm.
- Adapter and round rod see page 02.75.

**Material:**

- **Redirection, spacer, rod pin, nut and circlip:** steel, zinc plated



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# 1-405 3-Point Latch

for Profile Cylinder



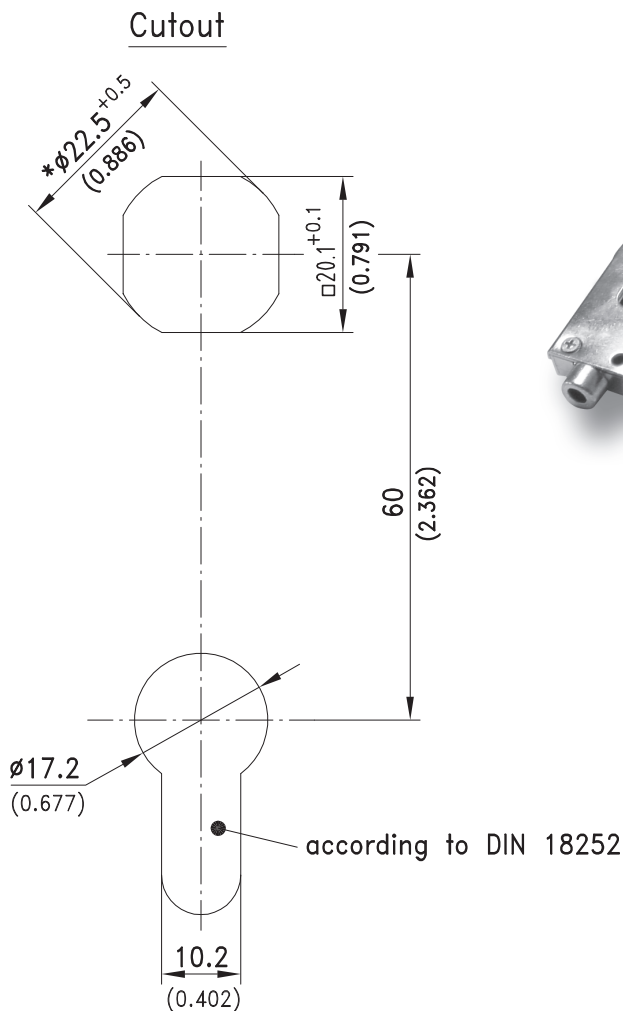
Rod-Latch system for Profile Cylinders to DIN 18252. Heavy Duty version.

- Screw-in or Weld-on.

**Material:**

- a)
- **Rod Latch:**  
steel, zinc plated and zinc die
- b)
- **Lock support:**  
steel, zinc plated
- c)
- **Insert:**  
zinc die, chrome plated
- d)
- **Escutcheon:**  
zinc die, chrome plated
- e)
- **Rod Guide:**  
PA, black
- f)
- **Round rods:**  
steel, zinc plated

Quarter-Turn



\* in case of welded latch support Ø22 (0.866) possible

	Part No.	see page
a) Rod-latch for round rod Ø8mm, Stroke 18		
RH	235-9401	
LH	235-9402	
b) Latch support for RH and LH version		
A20	235-1005	
A26	235-1006	
c) Insert with screw M6x10		02.64
d) Escutcheon		02.64
e) Rod guide		02.64, 02.77
f) Round rods with rollers		02.64, 02.75, 02.76
<b>Optional:</b>		
<b>Water- and dust-tight according to IP65 by:</b>		
g) O-Ring	200-1001	
h) Flat external seal	200-0901	
i) Swinghandle		03.21
j) T- and L-Handle		02.74

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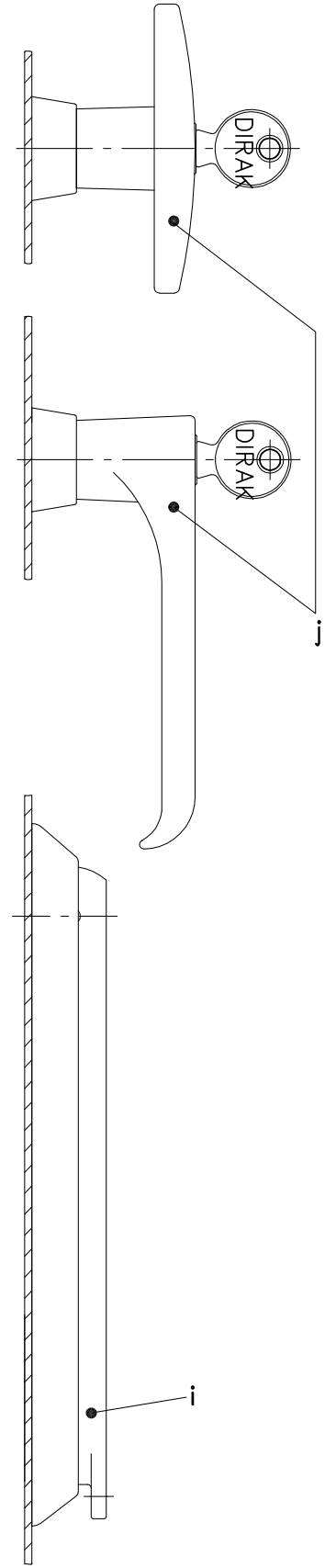
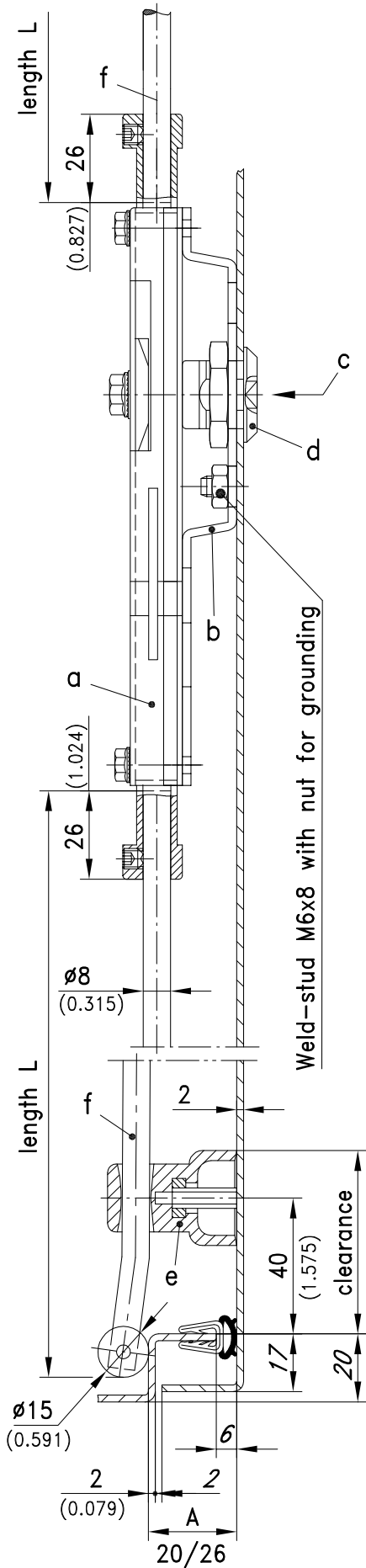
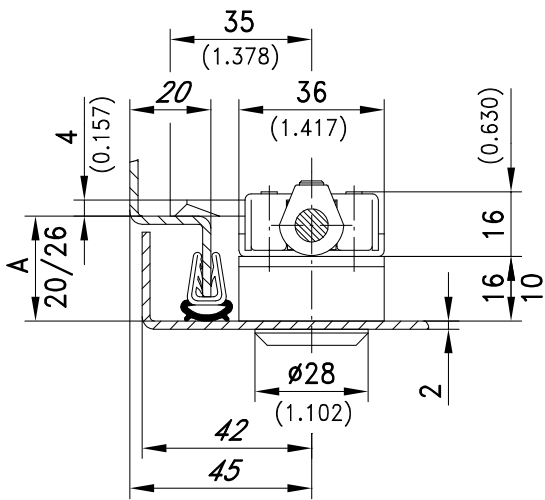
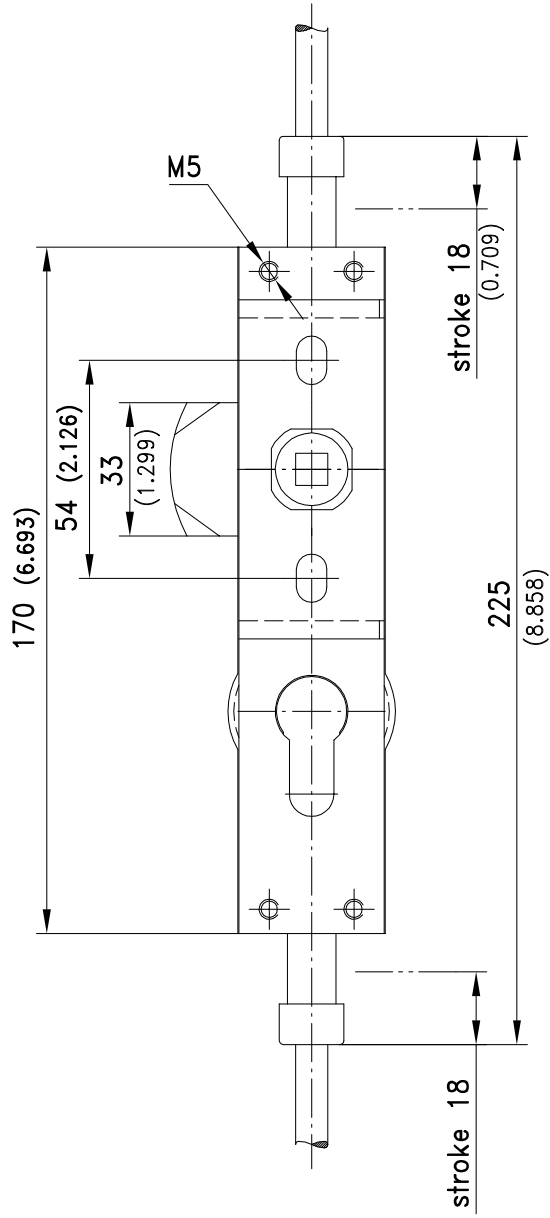
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# 1-405 3-Point Latch

for Profile Cylinder

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# 1-410 Rod Latch

without cam



Rod-Latch without central cam.

31.4mm (1.236) stroke at 180° rotation.

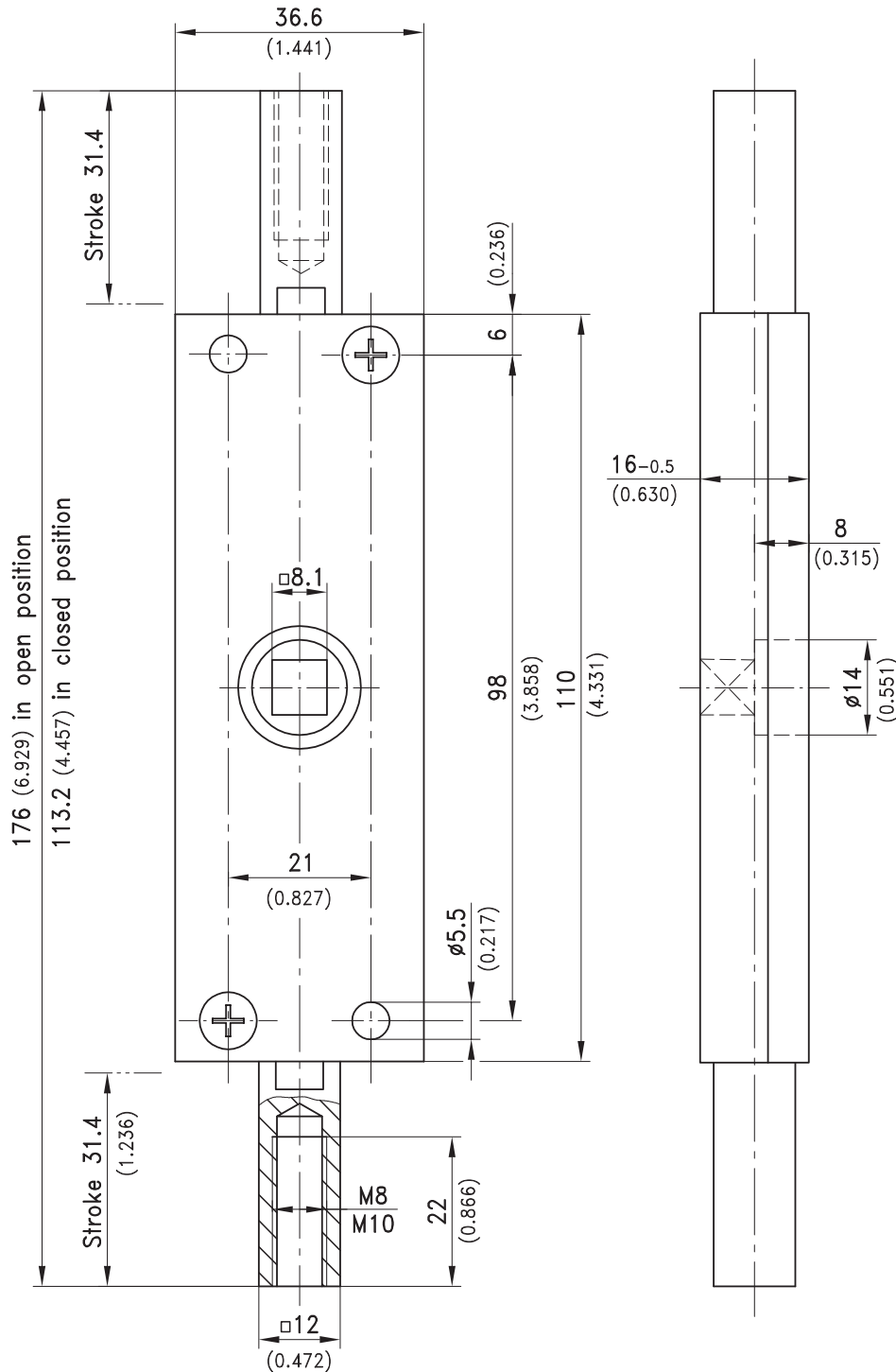
- Accessories see page 02.64, 02.65, winghandles see page 03.21, T- and L-Handles see page 02.74.

**Material:**

- **Housing:** steel, zinc plated
- **Gear and connectors:** zinc die, chrome plated



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	Rod connection	Rod connection	see page
version	M8	M10	
RH door	235-9009	235-9011	
LH door	235-9010	235-9012	

Round rod  $\phi 8$  threaded M8 and round rod  $\phi 10$  threaded M10

03.30

# 1-415 Rod Latch

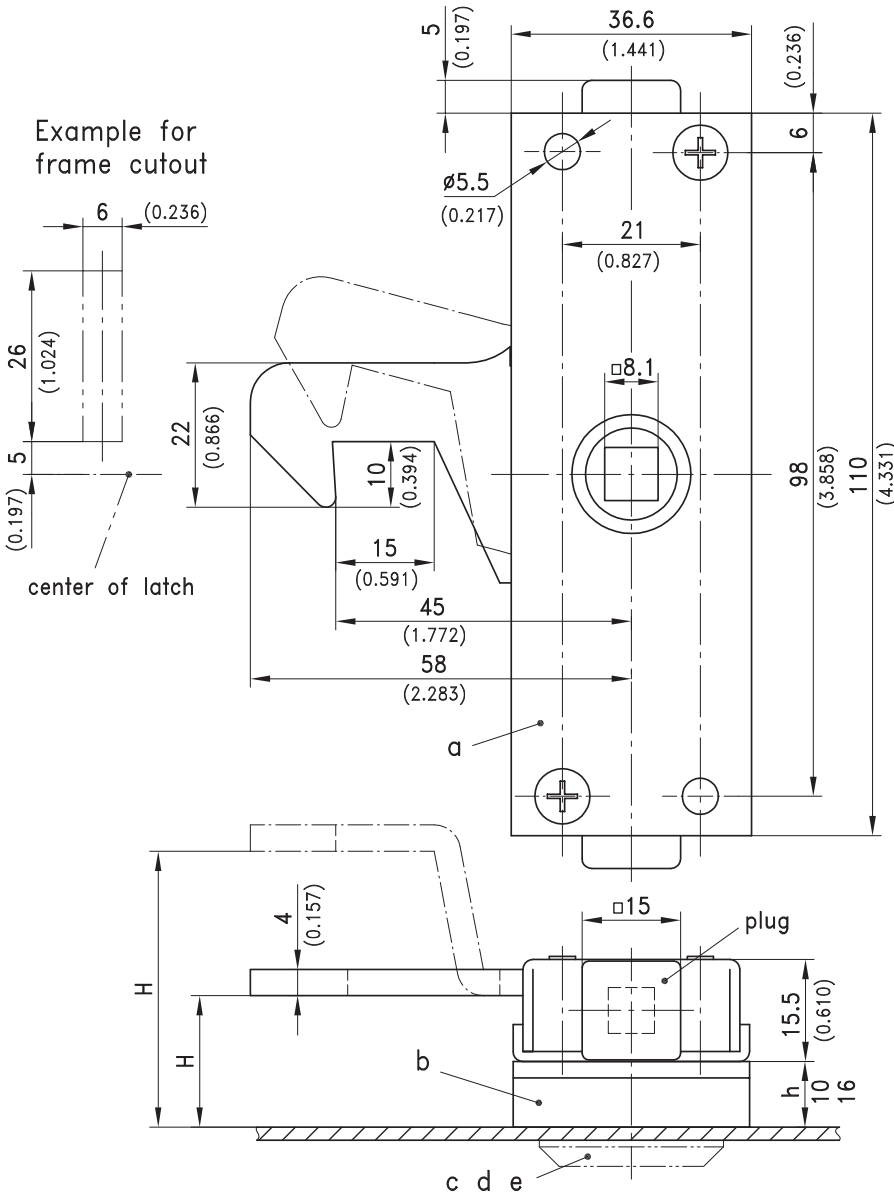
for sliding doors



Hooked cam latch for sliding doors.  
 • The cam has a slam feature.

**Material:**

- a)
- **Latch:**  
steel, zinc plated
- **Cam:**  
steel, zinc plated
- **Plug:**  
PE, black
- b)
- **Lock support:**  
steel, zinc plated



a) Hooked Cam Latch		Hook straight	Hook curved	see page
RH		235-9015	235-9017	
LH		235-9016	235-9018	
b) Latch support	h in mm / inch	H in mm / inch		
	10 / 0.394	20 / 0.787	235-1001	-
	16 / 0.630	26 / 1.024	235-1002	-
	10 / 0.394	42 / 1.654	-	235-1001
	16 / 0.630	48 / 1.890	-	235-1002
c) Insert and escutcheon				02.64
d) T- and L-Handle				02.74
e) Swinghandle				03.21

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# 1-430 Handle

for rod-latch 1-405 to 1-423



T- and L-Handle for Rod-Latches see pages 02.64, 02.65, 02.70, 02.71, 02.72 and 02.73.

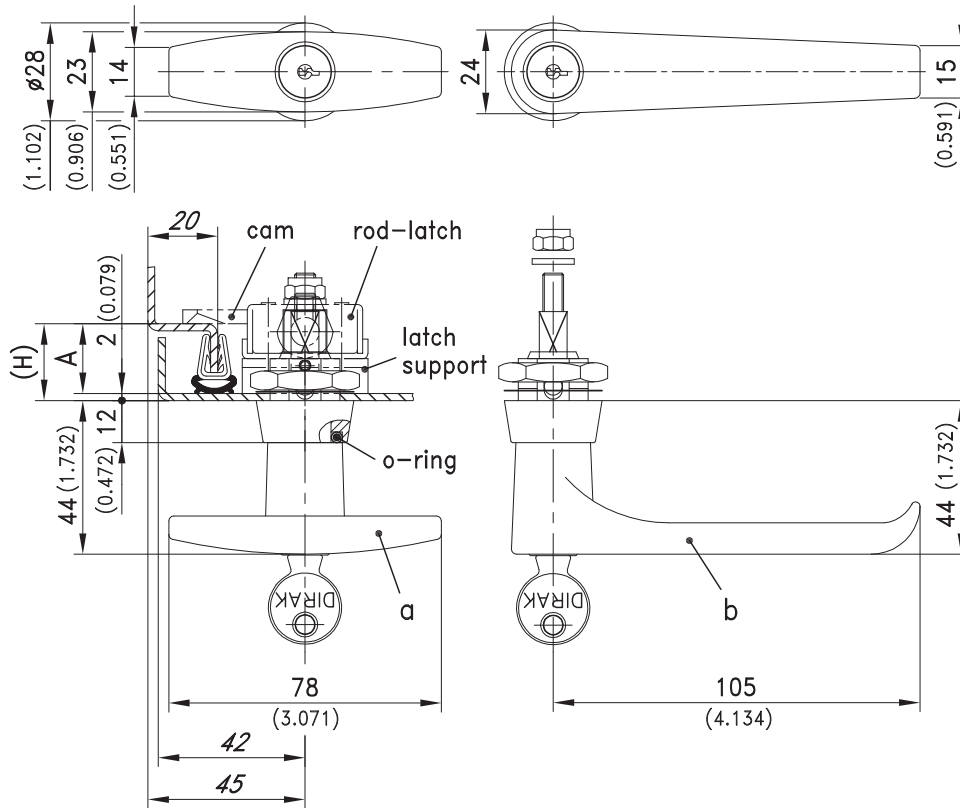
- Water- and dust-tight according to IP65 DIN EN 60529.

**Material:**

- **Handle:** zinc die, chrome plated or black coated
- **Square pin:** steel, zinc plated
- **Bezel:** zinc die, chrome plated



Quarter-Turn



a) T-Handle	A20/H22 chrome plated	A20/H22 black	A26/H28 chrome plated	A26/H28 black	see page
non locking	235-9501	235-9503	235-9502	235-9504	
keyed alike DIRAK 1333*	235-9505	235-9507	235-9506	235-9508	
keyed alike DS200*	535-9505	-	535-9506	-	
keyed different/mixed	235-9510	235-9512	235-9511	235-9513	
a1) T-Handle with PAGODA lock					
keyed alike 1991	501-9505	501-9507	501-9506	501-9508	
keyed different/mixed	501-9510	501-9512	501-9511	501-9513	
b) L-Handle	A20/H22 chrome plated	A20/H22 black	A26/H28 chrome plated	A26/H28 black	see page
non locking	235-9601	235-9603	235-9602	235-9604	
keyed alike DIRAK 1333*	235-9605	235-9607	235-9606	235-9608	
keyed alike DS200*	535-9605	535-9607	535-9606	535-9608	
keyed different/mixed	235-9610	235-9612	235-9611	235-9613	
b1) L-Handle with PAGODA lock					
keyed alike 1991	501-9605	-	501-9606	-	

All locks supplied with two keys.  
Fitting hardware and seals for IP65 are included.  
Rod-latches with accessories

02.64, 02.70,  
02.72

\* with stainless dust-shutter

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# 1-180 Round rods

Customized Lengths



Round rods with customized lengths, different versions.

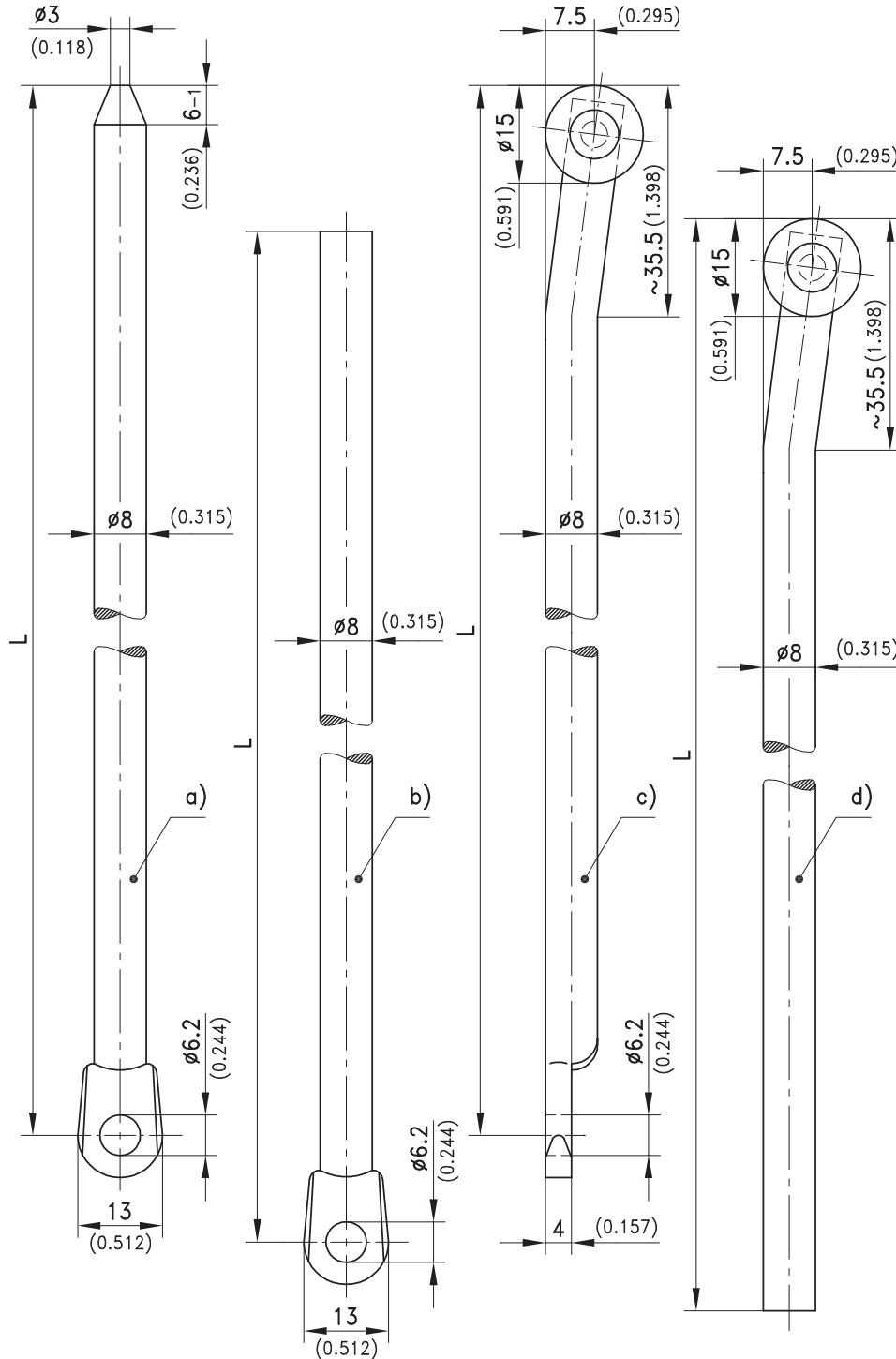
- Minimum order quantity: 200 pieces.
- **Attention:** Dimension L up to top of roller

**Material:**

- **Round rods:** steel, zinc plated
- **Rollers:** PA, black
- **Rivet:** steel, zinc plated



Quarter-Turn



	Part No.
a) Round rods with eye and chamfered end	201-0111-L in mm
b) Round rods with eye	201-0112-L in mm
c) Round rods with eye and rollers	201-9006-L in mm
d) Round rods with rollers	201-9020-L in mm

Order example for round rods with eye and rollers, length L=840mm: 201-9006-840

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# 1-181 Adapter, PA for Round Rods

with clip-in installation for 3-point cam



Adapter, PA for round rods with clip-in installation for 3-point cam.

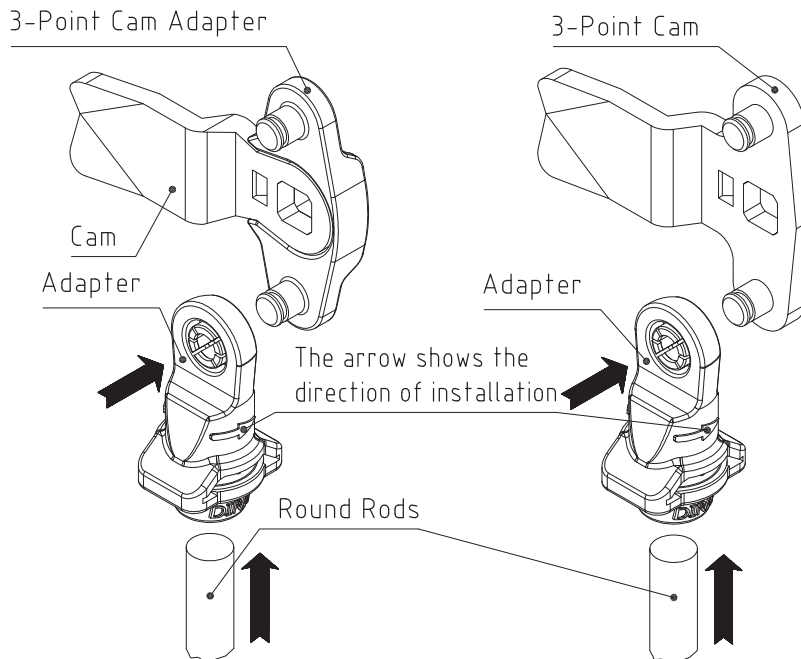
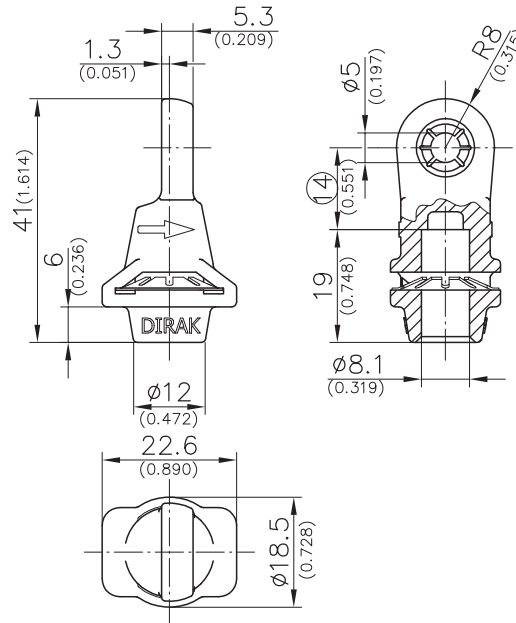
- Quick, tool-less installation, of the adapter on round rods ( $\varnothing 8\text{mm}/0.315$ ) through integrated one-way clamping ring.
- The clamping fingers spring into the stud groove.
- The adapter is non-detachable.
- **Advantages:**
  1. Standard length round rods, without eyelets, can be applied.
  2. Rods are cut to length (**mind. the 14mm/0.551**).
  3. Easy, cost-saving installation without the use of c-clips.
- No complex or time-consuming installation.

**Material:**

- **Adapter:** PA, black
- **Clamping Ring:** spring steel



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Adapter with clip-in installation

Part No.  
200-9621



# 1-190 Rod Guides

for Round Rods.

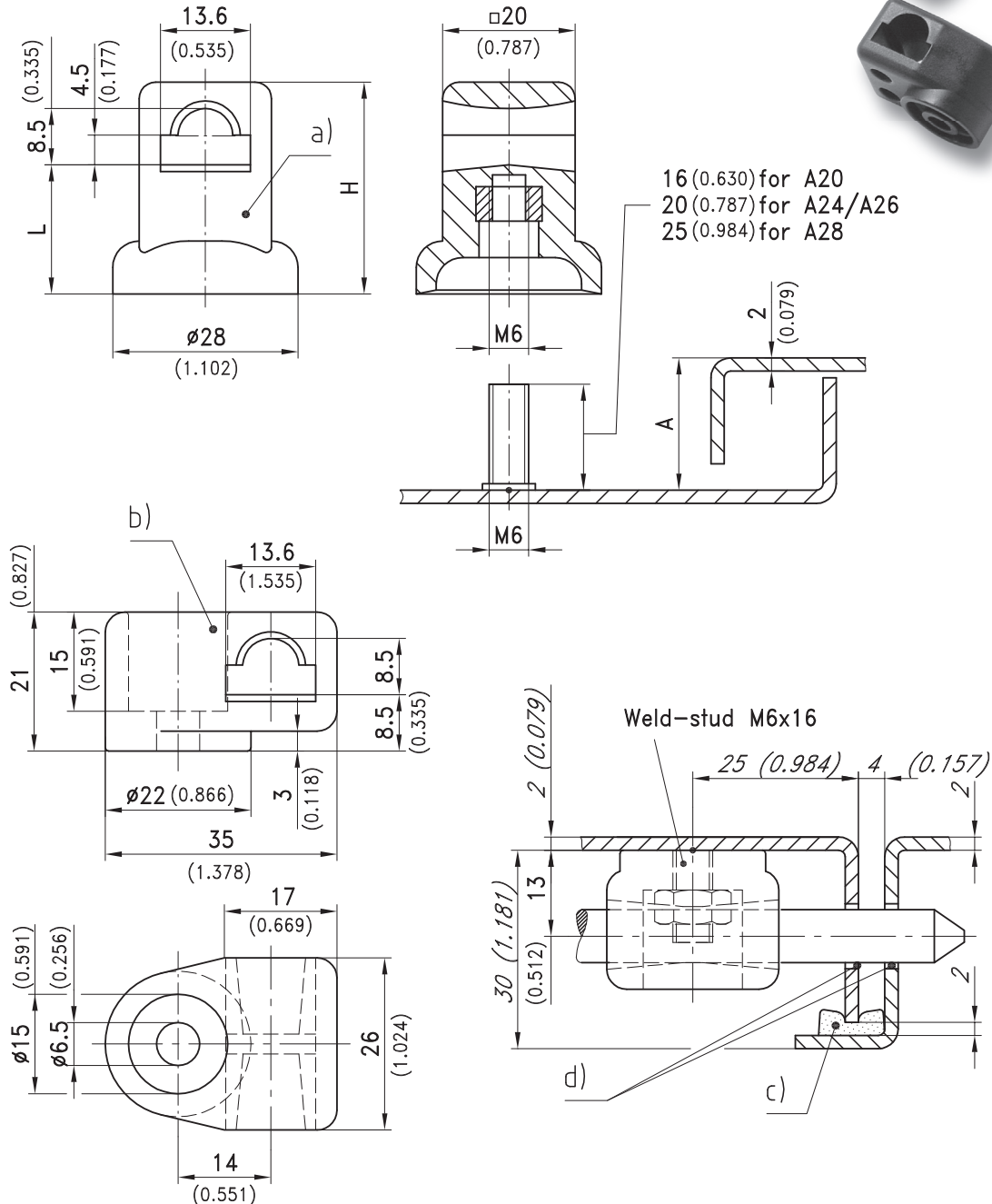


Rod guide for 8mm round rods.

- Screwed onto a weld stud.
- The round shape of the hole allows free swivelling even with very short rods.

**Material:**

PA, black or grey



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a) Rod Guide Bending	L in mm/inch	H in mm/inch	PA, black	PA, grey RAL 7001	see page
A 20	19,5 / 0.768	32 / 1.260	200-3601.03	-	
A 24	23,5 / 0.925	36 / 1.417	-	200-3610.06-07001	
A 26	25,5 / 1.004	38 / 1.496	200-3602.03	-	
A 28	27,5 / 1.083	40 / 1.575	-	200-3611.06-07001	

b) Rod Guide	200-3606.03	
c) i.e. Rectangular Profiles		07.12
d) Bushing		09.6

# 1-192 Rod Guide

Adjustable Height for Round Rods



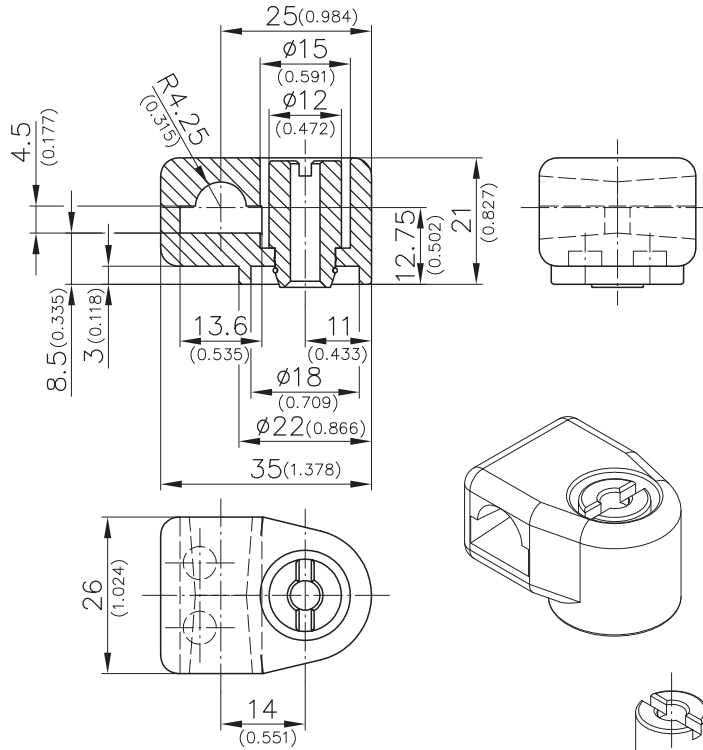
Rod guide with adjustable height for round rods.

- To compensate production tolerances or if sealing has set, the rod guide can be adjusted in height by a slotted insert.
- Depending on stud-length and door-bending, the rod can be adjusted by +/- 5mm.
- Screw driver blade size max. 12x2mm.
- With this rod guide even completely pre-assembled rod latch systems (3-point cam, round rods, rollers and rod guides) can be installed, because the rod guide can be screwed onto the thread of the weld studs by turning the threaded sleeve.

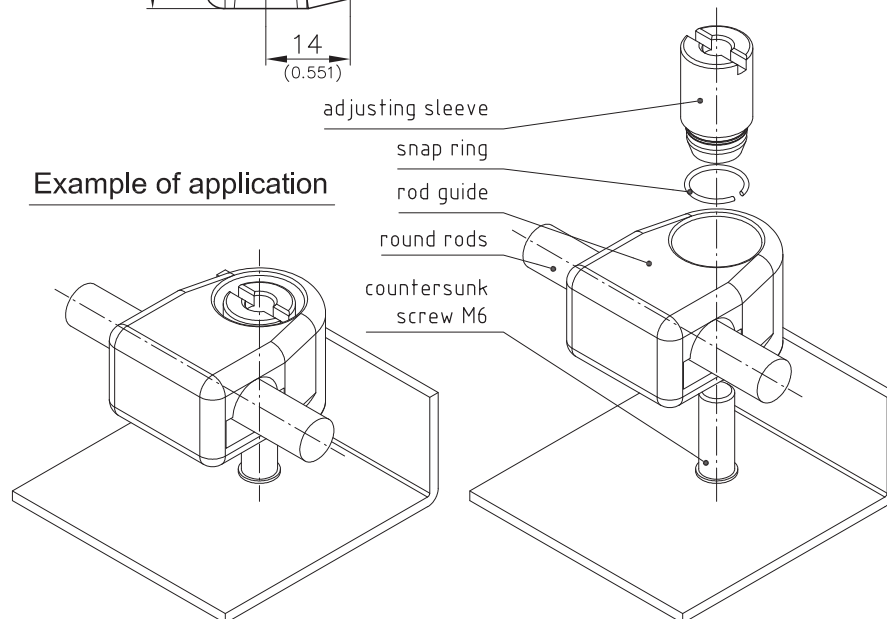
- Rod Guide for 8mm round rods.
- Screwed onto a 6mm weld stud or countersunk screw M6.
- The round shape of the hole allows free swivelling even with very short rods.

**Material:**

- **Rod Guide:** PA, black
- **Adjusting Sleeve:** steel, zinc plated
- **Snap ring:** stainless steel



**Example of application**



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# 1-193 Rod Guide RS

for high-speed assembly



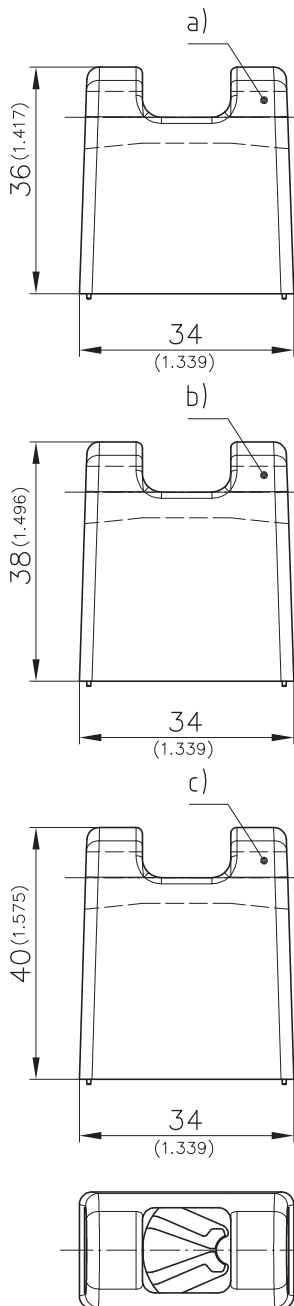
Rod Guide for 8mm(0.315) round rods, for high-speed assembly on weld-stud.

- Quick assembly without tools.
- Weld-stud max. M6x20.
- The Rod Guide is pushed over the weld-stud and then pushed down over the threading until it snaps in.
- It locks into place with a clearly audible "click".
- Visual inspection possible from above through openings.

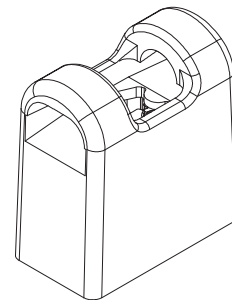
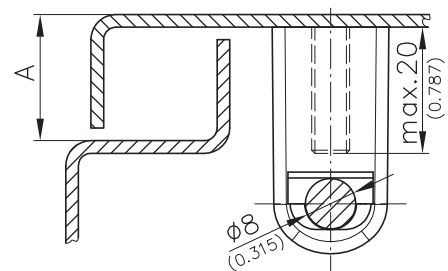
- Completely pre-assembled rod latches (including 3-point cam, round rod, rollers and rod guide) can also be mounted with this rod guide, as the rod guide is simply pushed over the weld stud.
- For dismantling, the rod guide can be removed by simply inserting a screwdriver between the snap fits without turning.

**Material:**

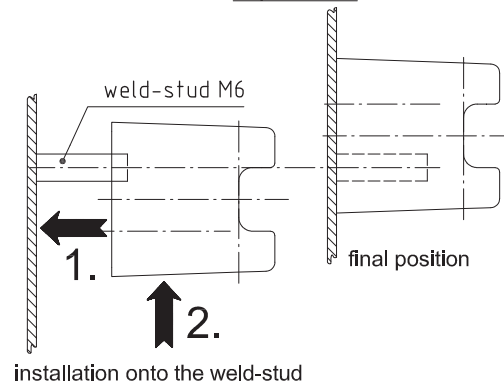
- **Rod Guide:** PA
- **Pull-off forces** on request.



**Example of application**



**Operation**



Rod Guides Bending		Part No.
a)	A24	200-3616.54-00000
b)	A26	200-3617.54-00000
c)	A28	200-3618.54-00000

# 1-270 Dustcap and Finger Pull



Finger pull for Quarter-Turns.

- For bezel Ø28mm or Ø32mm.
- Without area for company name or logo
- With area for company name or logo
- With logo on request.
- Black, other colours on request
- See page 02.24, 02.30, 02.26, 02.37 and 02.38.

**Material:**

- **Finger pull:**  
PA, black
- **Dustcap:**  
PP, black or TPU, black

**Dustcap:**

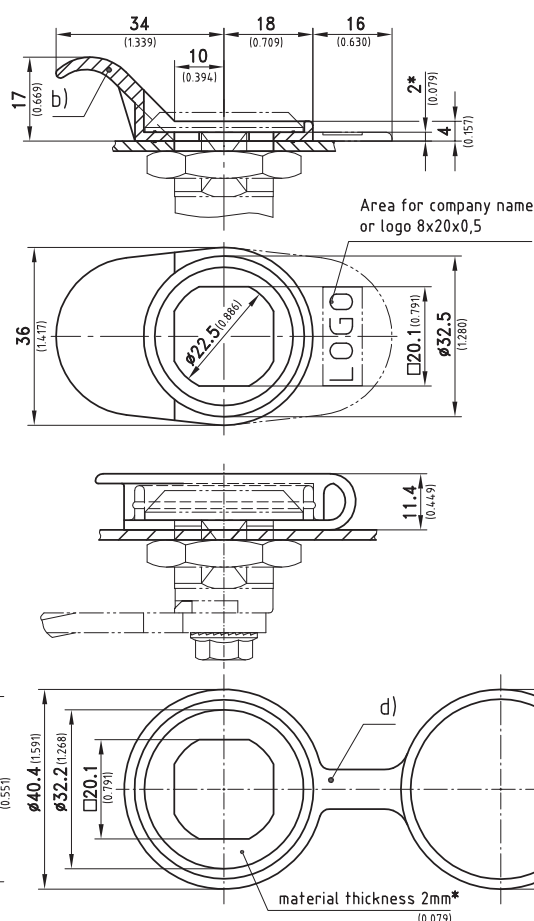
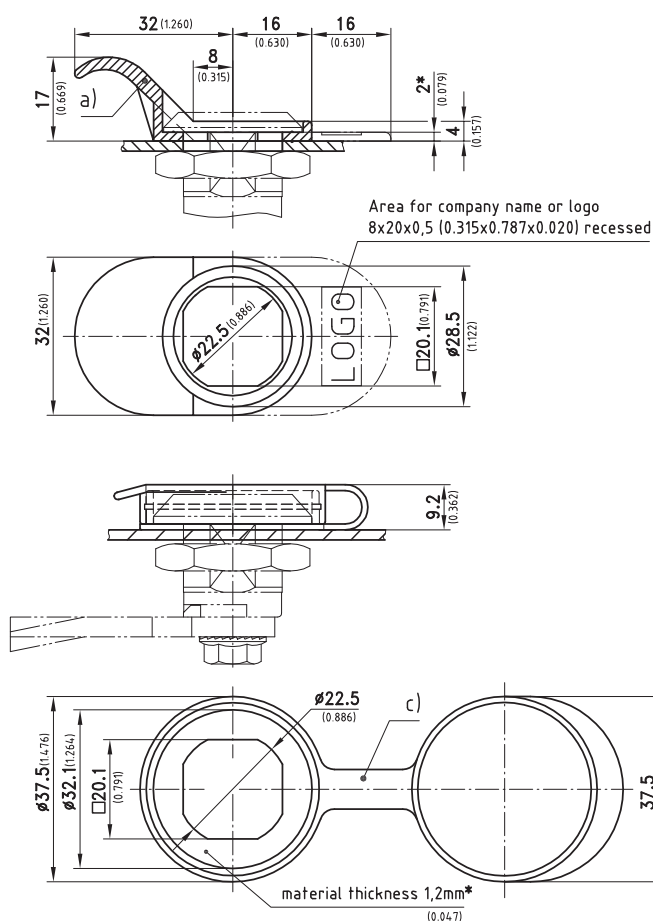
For bezel Ø28mm or Ø32mm.  
to use for in- and outdoor  
Material PP or TPU

• **Advantage of version with TPU:**

- Temperature range from -40° to +80°C
- Excellent resistance to pure mineral oils and greases
- Suitable for temperate climate zones
- See page 02.21, 02.24, 02.30, 02.26, 02.31, 02.37, 02.38, 02.64, 02.70, 10.09 and 10.10.



Quarter-Turn



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	Part No.
a) Finger pull PA, black for Bezel Ø28 without area for company name or logo	200-4703.03
with area for company name or logo	200-4704.03
b) Finger pull PA, black for bezels Ø32 without area for company name or logo	200-4705.03
with area for company name or logo	200-4706.03
c) Dustcap PP, black	200-4101
d) Dustcap TPU, black	200-4103

\*Please note: By using a finger pull or dust cap 200-4103 H-dimensions changes by 2 mm (0.079").  
While using the dustcap 200-4101 the H-dimensions changes by 1.2mm (0.047").

# 1-275 Emergency Handle

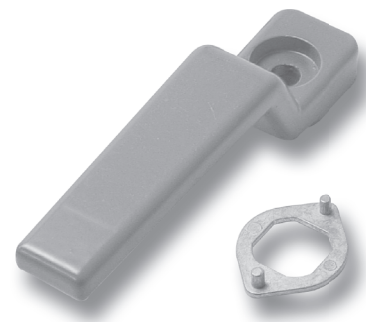


Emergency handle for Quarter-Turn series 200.

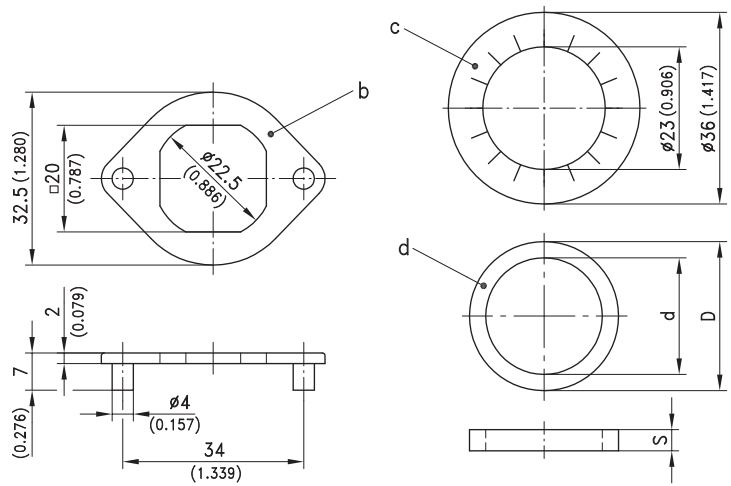
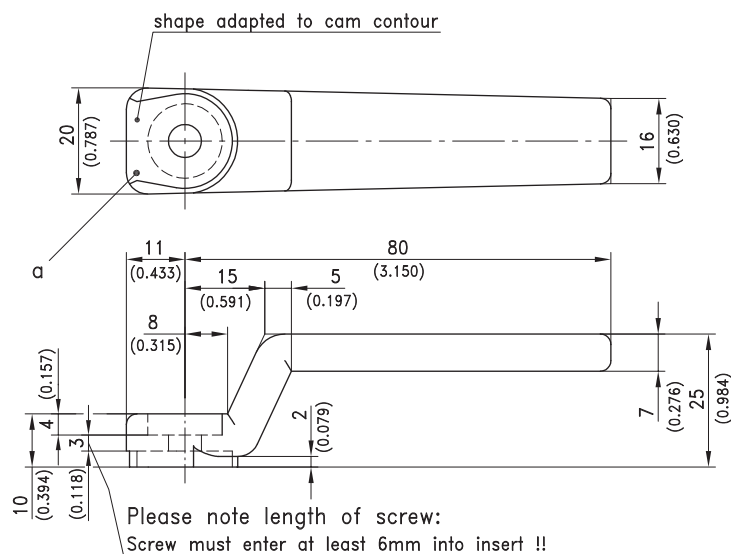
- Installation over the cam.
- Anti-rotation device for Quarter-Turn series 200 with Screw-in feature.

**Material:**

- a) **Emergency handle:** zinc die, red
- b) and b1) **Anti-rotation device:** zinc die
- c) and c1) **Serrated lock washer:** steel, zinc plated or stainless steel
- d), d1), d2) and d3) **Spacer:** steel; black coated or chrome plated, or zinc die, chrome plated or black coated



Quarter-Turn



	Part No.
a) Emergency handle	200-4701.00-00000
b) Anti-rotation device, zinc plated	200-4601.00-00000
b1) as b) but black coated	200-4601.02-00000
c) Serrated lock washer, steel, zinc plated	800-0064.00-00000
c1) Serrated lock washer, stainless steel	840-6798.00-00023

Spacer	d	D	S	
d) Ø28 steel, black	21.9	28	4	200-4608.00-00000
d1) Ø30 steel, chrome plated	21.9	30	4	200-4610.00-00000
d2) Ø32 zinc die, chrome plated	21.7	32	6.6	200-4611.01-00000
d3) Ø32 zinc die, black	21.7	32	6.6	200-4611.02-00000

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# 1-103 Slide Shoe for Cams



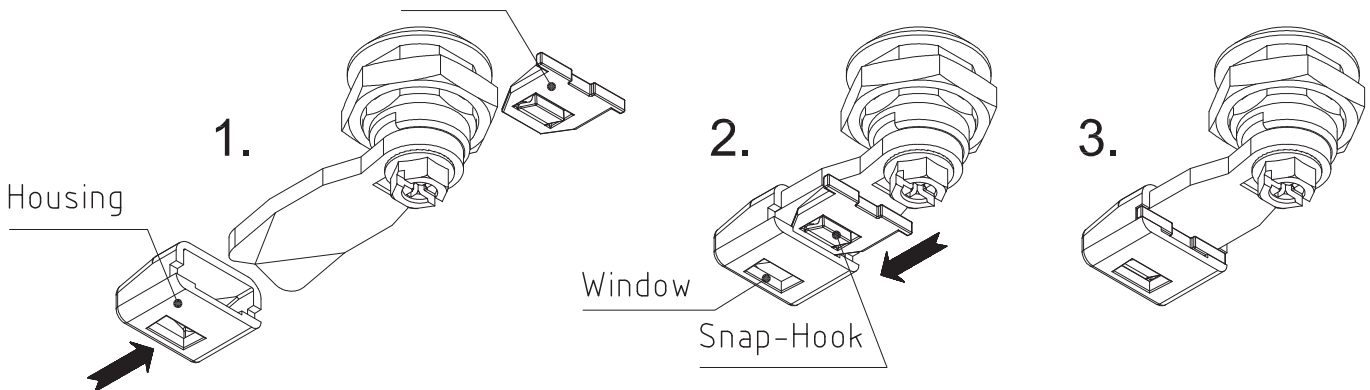
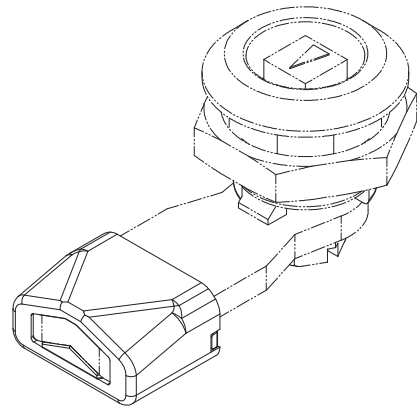
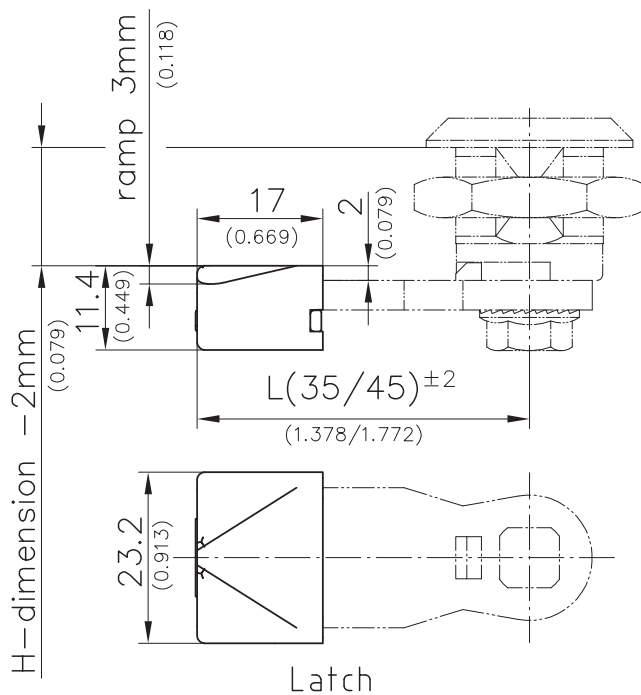
Slide shoe for cams, 2 parts, consisting of housing and latch.

- Matching cams as of 35 mm, steel product system 1.102 and stainless steel product system 7-080, in combination with a 3-point-cam adapter it matches 3-point-cam applications as well.
- No abrasion of the metal of the clamping surface resp. cam and therefore safety concerning electronic built-in components (risk of short circuits in computer, server etc.).
- Good gliding properties, therefore low friction coefficient, no fretting of the material.
- Prevents the surface from being scratched.

- Tool-less assembly and disassembly. The housing will hold at the slope of the cam and being fixed to the latch.
- The assembly will be carried out with the already installed quarter turn, it is possible to retrofit at any time (please take the H-height into consideration).
- Separable after durability (recyclable).
- **Caution:** The H-height diminishes by 2 mm. E.g. cam 200-0418 (H-height 18 mm) results into an H-dimension of 16 mm.

**Material:**

- POM, natural



The Housing will be pushed onto the cam until it aligns with the cam.

The Latch will be pushed underneath the cam into the remaining space until the snap-hook is latched into the window audibly.

Fitted position

<b>Slide Shoe</b>	<b>Part-No.</b> <b>200-9622</b>
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# METALIKA

Zapirna tehnika KACIN

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## ZAPIRAMO - ODPIRAMO - PODPIRAMO - POVEZUJEMO

Široka izbira OKOVJA IN PRIBORA za proizvodnjo stikalnih in krmilnih omar, ohišij za elektroopremo, elektroniko, telekomunikacijsko, tehnološko, klimatsko in drugo tehniko, za vgradnjo pri izdelavi strojne opreme in vozil.



Ključavnice, zapirala, zapirni sistemi



Tečaji, klavirski šarnirji, spona



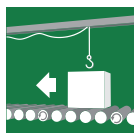
Ročaji, pribor, zatezna zapirala



Tesnilni gumijasti profili



Plinske vzmeti, amortizerji



Transportni valjčki in transportna oprema



Tekalna kolesa - stabilna, vrtljiva



Standardni vpenjalni elementi



Adapteri za polnjenje plinskih medijev



Plastični čepi, vijaki in elementi



Teleskopska kroglična vodila

*Priporoča se ekipa Metalike Kacin.*