





So clean you can eat off it.

Our hygiene products meet the strict requirements of the food production industry.

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**Open when unlocked.**

The cover of this compression latch can only be closed when it is fully locked, thus serving as an indicator of the locking status.

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**Easy adjustment.**

The tool-less actuation enables easy height adjustment to easily customize the amount of pressure the door has on the gasket/frame.



**Many features combined into one product.**

The compression latch utilizes a low profile design with a lock indicator and allows for adjustable compression height.

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**Working under pressure.**

Products with IP69K protection can withstand high pressure water jets and remain sealed.



**Clear indication.**

The flashing LED module clearly indicates the open status of the quarter-turn.

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**At a glance.**

The compression latch utilizes a low profile design with colored lock indicators to give a clear visual signal of locking status.



**Low profile.**

The newly designed Safety Quarter-Turn has a modern, flush appearance.





# Quarter-Turns by Cutout

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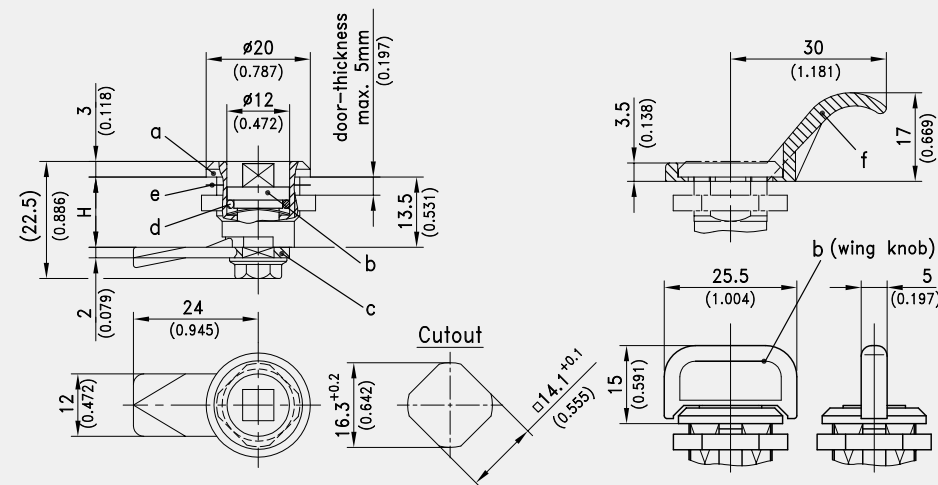
for cutout 14.1, length 13.5

**Advantages**

- Quarter-Turn, RH or LH application.
- The Quarter-Turn consists of the 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 product system 1-060.
- When using finger pull (f) the H-dimension decreases by 0.8mm!
- IP65 according to DIN EN 60529 by using the sealing kit.

**Materials**

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



Quarter-Turn, L13,5

	Part Number	Door-thickness	Grounding type	Material	Surface	Installation type
a)	220-9001.00-00000	0 - 5 mm		zinc die	chrome plated	screw-on
a)	220-9002.00-00000	0 - 5 mm	Grounding nut	zinc die	chrome plated	screw-on
a)	220-9005.00-00000	0 - 5 mm	Grounding clip	zinc die	chrome plated	screw-on
a)	220-9003.00-00000	0 - 5 mm		zinc die	black	screw-on
a)	220-9004.00-00000	0 - 5 mm	Grounding nut	zinc die	black	screw-on
a)	220-9006.00-00000	0 - 5 mm	Grounding clip	zinc die	black	screw-on
a)	220-9020.00-00000	0 - 5 mm		PA	black	screw-on
a)	220-9021.00-00000	0 - 5 mm	Grounding nut	PA	black	screw-on
a)	220-9022.00-00000	0 - 5 mm	Grounding clip	PA	black	screw-on

Accessories	
+	758 6-100 Key
c)	155 1-058 Cams for Quarter-Turn Pr14.1
b)	154 1-059 Inserts and Finger Pull for Quarter-Turn Pr14.1

Assembly options	
	220-0001.00-00000 Assembling cam without o-ring
	220-0002.00-00000 Assembling cam with o-ring
	220-0006.00-00000 Assembling cam 90° to wing knob without o-ring
	220-0007.00-00000 Assembling cam 90° to wing with o-ring

Function extension	
*	209-9003.00-00000 Sealing kit IP65 for 220-Quarter-Turns



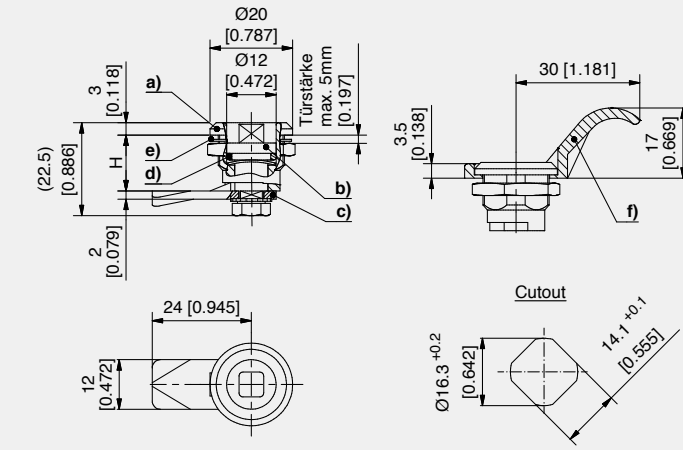
stainless steel AISI 316, for cutout 14.1, length 13.5

**Advantages**

- 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 finger pull of product system 1-060.
- When using finger pull the H-dimension decreases by 0.8mm!
- IP65 DIN EN 60529 by sealing kit.

**Materials**

- **Housing and insert:** stainless steel AISI 316
- **Screw, serrated washer and cam:** stainless steel AISI 304
- **Wave washer:** stainless steel AISI 301



Quarter-Turn housing+nut

	Part Number	Housing length	Door-thickness	Material	Installation type
a)	220-9018.00-00000	13.5 mm	max. 5 mm	Stainless Steel	screw-on

Insert with screw, spring- and serrated washer

	Part Number	Insert	Material
b)	220-9120.00-00000	Square 6mm	stainless steel AISI 316L
b)	220-9121.00-00000	Triangular 6.5mm	stainless steel AISI 316L
b)	220-9122.00-00000	Slotted insert	stainless steel AISI 316L

Cams

	Part Number	H-dimension	Material	Stop	Length
c)	220-0503.04-00000	7.5 mm	stainless steel AISI 304	Yes	24 mm
c)	220-0501.04-00000	13.5 mm	stainless steel AISI 304	Yes	24 mm
c)	220-0502.04-00000	19.5 mm	stainless steel AISI 304	Yes	24 mm

Accessories	
+	b1) 758 6-100 Key
f)	154 220-1301.00-00000 Finger pull

Assembly options	
	220-0001.00-00000 Assembling cam without o-ring
	220-0002.00-00000 Assembling cam with o-ring

Function extension	
*	209-9003.00-00000 Sealing kit IP65 for 220-Quarter-Turns



**Advantages**

- Tool-less installation.
- Quarter-Turn clipped in.
- Secure fixation in the cutout with 2 clip-in noses.
- RH/ 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.
- The Quarter-Turn can only be clipped in when it is open.

**Materials**

- **Housing and insert:** PA, black
- **Hexagon head screw:** stainless steel

**Remarks**

- (S) door-thickness 0.8 [0.031 to 1.5 mm [0.059]
- 1. open position: delivery condition

**for cutout 14.1, length 13.5, with cylinder**

**Advantages**

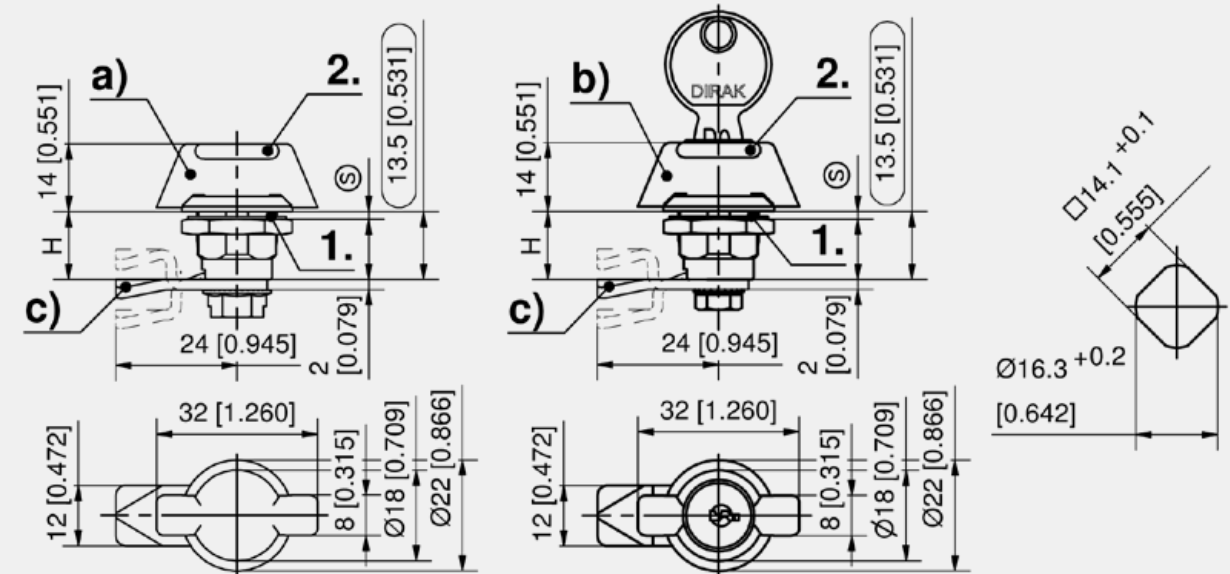
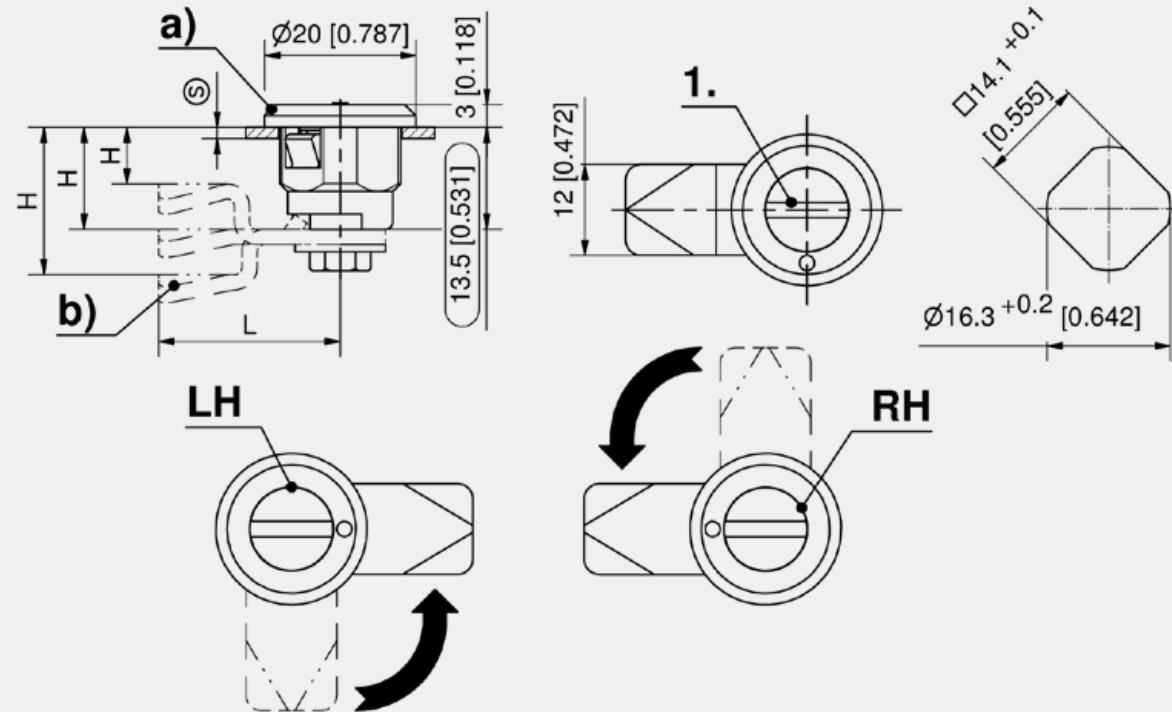
- Quarter-Turn with wing knob 90° rotation.
- RH or LH application.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- All locks supplied with two keys.

**Materials**

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

**Remarks**

- 1. = Flat external seal
- 2. = Grab-collar
- Door-thickness max. 2.5mm



Quarter-Turn housing with Insert

	Part Number	Insert	Housing length	Door-thickness	Material	Surface	Installation type
a)	220-9701.00-00000	Slotted 2x4mm	13.5 mm	0.8 - 1.5 mm	PA	black	tool-less

Accessories	
b)	155 1-058 Cams for Quarter-Turn Pr14.1

Assembly options	
	220-0008.00-00000 Assembling (always in open condition)

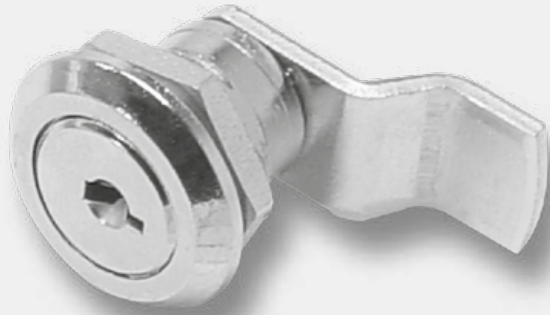
Quarter-Turn with Wing Knob, zinc die

	Part Number	Housing length	Latching type	Door-thickness	Grounding type	Surface
a)	220-9301.00-00000	13.5 mm		max. 2.5 mm		chrome plated
b)	220-9303.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 2.5 mm		chrome plated
b)	220-9305.00-00000	13.5 mm	keyed different	max. 2.5 mm		chrome plated
a)	220-9302.00-00000	13.5 mm		max. 2.5 mm	Grounding nut	chrome plated
b)	220-9304.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 2.5 mm	Grounding nut	chrome plated
b)	220-9306.00-00000	13.5 mm	keyed different	max. 2.5 mm	Grounding nut	chrome plated
a)	220-9307.00-00000	13.5 mm		max. 2.5 mm		black
b)	220-9309.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 2.5 mm		black
b)	220-9311.00-00000	13.5 mm	keyed different	max. 2.5 mm		black
a)	220-9308.00-00000	13.5 mm		max. 2.5 mm	Grounding nut	black
b)	220-9310.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 2.5 mm	Grounding nut	black
b)	220-9312.00-00000	13.5 mm	keyed different	max. 2.5 mm	Grounding nut	black

Accessories	
c)	155 1-058 Cams for Quarter-Turn Pr14.1

Assembly options	
	220-0001.00-00000 Assembling cam without o-ring
	220-0004.00-00000 Assembling cam 90° to handle with o-ring





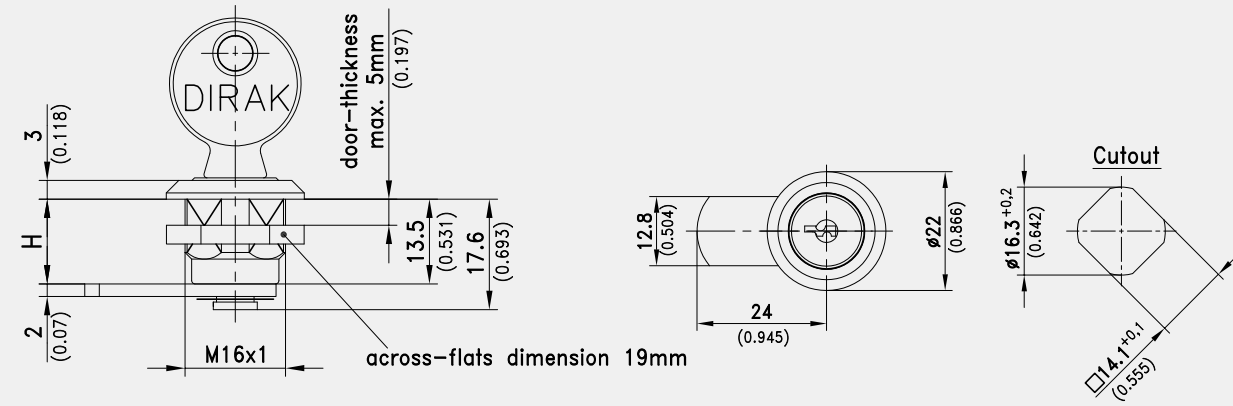
for cutout 14.1, length 13.5

**Advantages**

- Cylinder Quarter-Turn with 90° rotation, nut fixing.
- RH / LH application.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **\*ATTENTION:** The door thickness of the Quarter-Turns with riveted cam must not exceed 3mm!
- All locks supplied with two keys.

**Materials**

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



Quarter-Turn, zinc die, chrome plated, cam riveted

Part Number	Housing length	Latching type	Door-thickness	H-dimension	Grounding type	Installation type
220-9207.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	7.5 mm		screw-on
220-9208.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	13.5 mm		screw-on
220-9209.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	19.5 mm		screw-on
220-9210.00-00000	13.5 mm	keyed different	max. 3 mm	7.5 mm		screw-on
220-9211.00-00000	13.5 mm	keyed different	max. 3 mm	13.5 mm		screw-on
220-9212.00-00000	13.5 mm	keyed different	max. 3 mm	19.5 mm		screw-on
220-9213.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	7.5 mm	Grounding nut	screw-on
220-9214.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	13.5 mm	Grounding nut	screw-on
220-9215.00-00000	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	19.5 mm	Grounding nut	screw-on
220-9216.00-00000	13.5 mm	keyed different	max. 3 mm	7.5 mm	Grounding nut	screw-on
220-9217.00-00000	13.5 mm	keyed different	max. 3 mm	13.5 mm	Grounding nut	screw-on
220-9218.00-00000	13.5 mm	keyed different	max. 3 mm	19.5 mm	Grounding nut	screw-on

Quarter-Turn, zinc die, chrome plated, cam fixed with c-clip

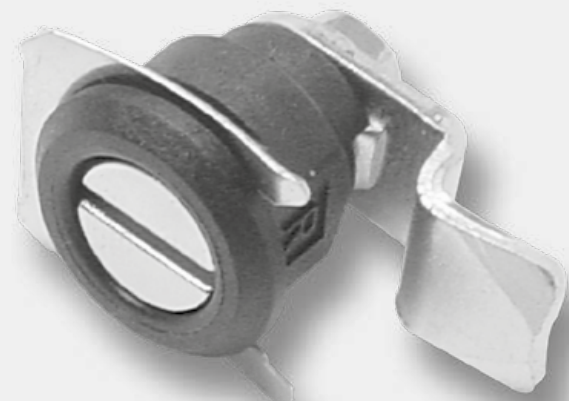
Part Number	Housing length	Latching type	Door-thickness	H-dimension	Grounding type	Installation type
220-9207.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	7.5 mm		screw-on
220-9208.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	13.5 mm		screw-on
220-9209.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	19.5 mm		screw-on
220-9210.00-07200	13.5 mm	keyed different	max. 3 mm	7.5 mm		screw-on
220-9211.00-07200	13.5 mm	keyed different	max. 3 mm	13.5 mm		screw-on
220-9212.00-07200	13.5 mm	keyed different	max. 3 mm	19.5 mm		screw-on
220-9213.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	7.5 mm	Grounding nut	screw-on
220-9214.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	13.5 mm	Grounding nut	screw-on
220-9215.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	19.5 mm	Grounding nut	screw-on
220-9216.00-07200	13.5 mm	keyed different	max. 3 mm	7.5 mm	Grounding nut	screw-on
220-9217.00-07200	13.5 mm	keyed different	max. 3 mm	13.5 mm	Grounding nut	screw-on
220-9218.00-07200	13.5 mm	keyed different	max. 3 mm	19.5 mm	Grounding nut	screw-on

Quarter-Turn, zinc die, black, cam fixed with c-clip

Part Number	Housing length	Latching type	Door-thickness	H-dimension	Installation type
220-9220.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	7.5 mm	screw-on
220-9221.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	13.5 mm	screw-on
220-9222.00-07200	13.5 mm	keyed alike DIRAK 2233X	max. 3 mm	19.5 mm	screw-on
220-9223.00-07200	13.5 mm	keyed different	max. 3 mm	7.5 mm	screw-on
220-9224.00-07200	13.5 mm	keyed different	max. 3 mm	13.5 mm	screw-on
220-9225.00-07200	13.5 mm	keyed different	max. 3 mm	19.5 mm	screw-on

**+** Accessories

155 1-058 Cams for Quarter-Turn Pr14.1



length 13.5, with fixing clip

**Advantages**

- 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.
- **Note:** On LH doors the opening direction is clockwise.

**Materials**

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



length 13.5, with fixing clip

**Advantages**

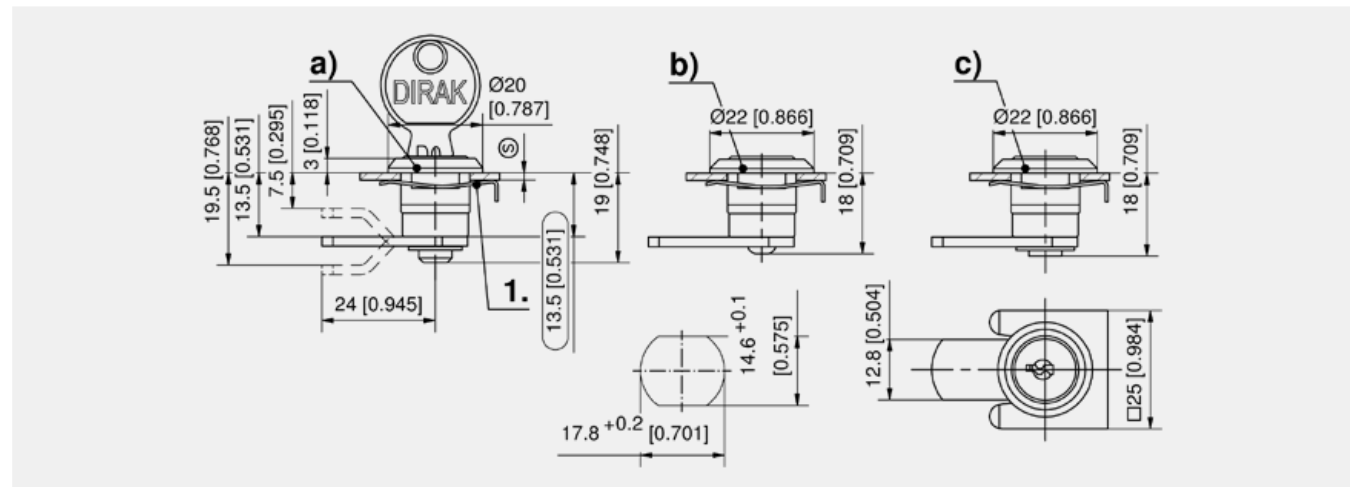
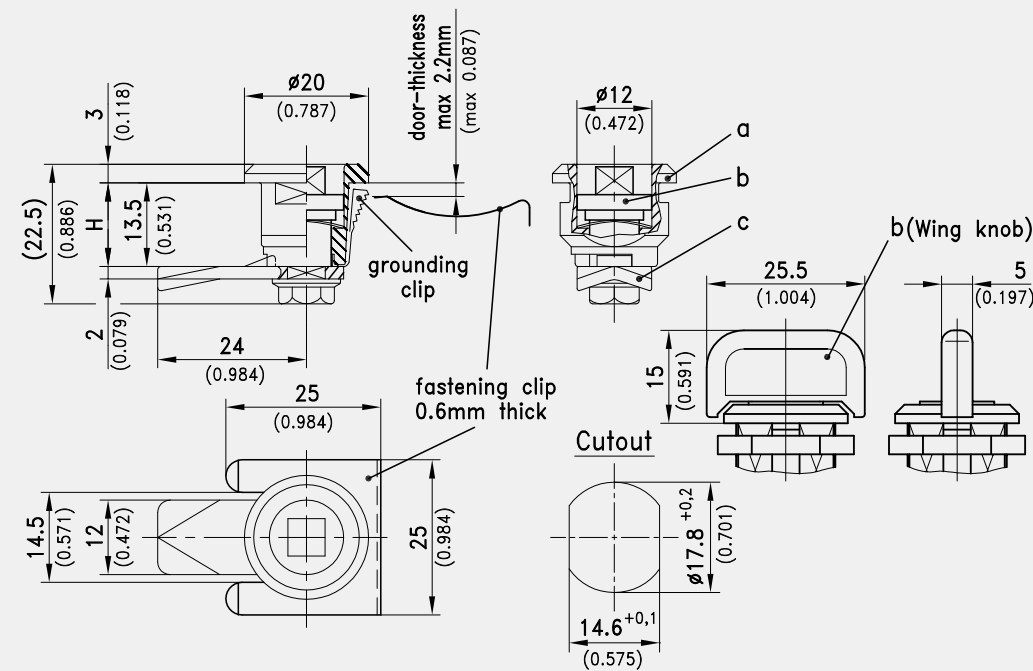
- Cylinder Quarter-Turn with fixing clip.
- PA-version is electrically insulated.
- RH / LH application.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **Attention: please note the cutout!**
- All locks supplied with two keys.

**Materials**

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

**Remarks**

1.= fixing clip  
(S) door-thickness max. 2.2mm



Quarter-Turn, zinc die, chrome plated

Part Number	Version	Housing length	Door-thickness	Grounding type	Installation type
a) 220-9007.00-00000	RH	13.5 mm	max. 2.2 mm	Grounding clip	tool-less
a) 220-9013.00-00000	RH	13.5 mm	max. 2.2 mm	Grounding clip	tool-less

Quarter-Turn, PA, black

Part Number	Version	Housing length	Door-thickness	Grounding type	Installation type
a) 220-9501.00-00000	RH	13.5 mm	max. 2.2 mm	Grounding clip	tool-less
a) 220-9503.00-00000	RH	13.5 mm	max. 2.2 mm	Grounding clip	tool-less

Accessories	
+	758 6-100 Key
c)	155 1-058 Cams for Quarter-Turn Pr14.1
b)	154 1-059 Inserts and Finger Pull for Quarter-Turn Pr14.1

Assembly options	
+	220-0001.00-00000 Assembling cam without o-ring
+	220-0006.00-00000 Assembling cam 90° to wing knob without o-ring

Cylinder Quarter-Turn, cam with fixing clip

Part Number	Construction depth	Latching type	H-dimension	Door-thickness	Material	Surface
a) 220-9601.00-00000	19 mm	keyed alike DIRAK 2233X	7.5 mm	max. 2.2 mm	PA	black
a) 220-9602.00-00000	19 mm	keyed alike DIRAK 2233X	13.5 mm	max. 2.2 mm	PA	black
a) 220-9603.00-00000	19 mm	keyed alike DIRAK 2233X	19.5 mm	max. 2.2 mm	PA	black
a) 220-9604.00-00000	19 mm	keyed different	7.5 mm	max. 2.2 mm	PA	black
a) 220-9605.00-00000	19 mm	keyed different	13.5 mm	max. 2.2 mm	PA	black
a) 220-9606.00-00000	19 mm	keyed different	19.5 mm	max. 2.2 mm	PA	black
c) 220-9201.00-07200	18 mm	keyed alike DIRAK 2233X	7.5 mm	max. 2.2 mm	zinc die	chrome plated
c) 220-9202.00-07200	18 mm	keyed alike DIRAK 2233X	13.5 mm	max. 2.2 mm	zinc die	chrome plated
c) 220-9203.00-07200	18 mm	keyed alike DIRAK 2233X	19.5 mm	max. 2.2 mm	zinc die	chrome plated
c) 220-9204.00-07200	18 mm	keyed different	7.5 mm	max. 2.2 mm	zinc die	chrome plated
c) 220-9205.00-07200	18 mm	keyed different	13.5 mm	max. 2.2 mm	zinc die	chrome plated
c) 220-9206.00-07200	18 mm	keyed different	19.5 mm	max. 2.2 mm	zinc die	chrome plated

Cylinder Quarter-Turn, cam riveted

Part Number	Construction depth	Latching type	H-dimension	Door-thickness	Material	Surface
b) 220-9201.00-00000	18 mm	keyed alike DIRAK 2233X	7.5 mm	max. 2.2 mm	zinc die	chrome plated
b) 220-9202.00-00000	18 mm	keyed alike DIRAK 2233X	13.5 mm	max. 2.2 mm	zinc die	chrome plated
b) 220-9203.00-00000	18 mm	keyed alike DIRAK 2233X	19.5 mm	max. 2.2 mm	zinc die	chrome plated
b) 220-9204.00-00000	18 mm	keyed different	7.5 mm	max. 2.2 mm	zinc die	chrome plated
b) 220-9205.00-00000	18 mm	keyed different	13.5 mm	max. 2.2 mm	zinc die	chrome plated
b) 220-9206.00-00000	18 mm	keyed different	19.5 mm	max. 2.2 mm	zinc die	chrome plated

Accessories	
+	155 1-058 Cams for Quarter-Turn Pr14.1



**Advantages**

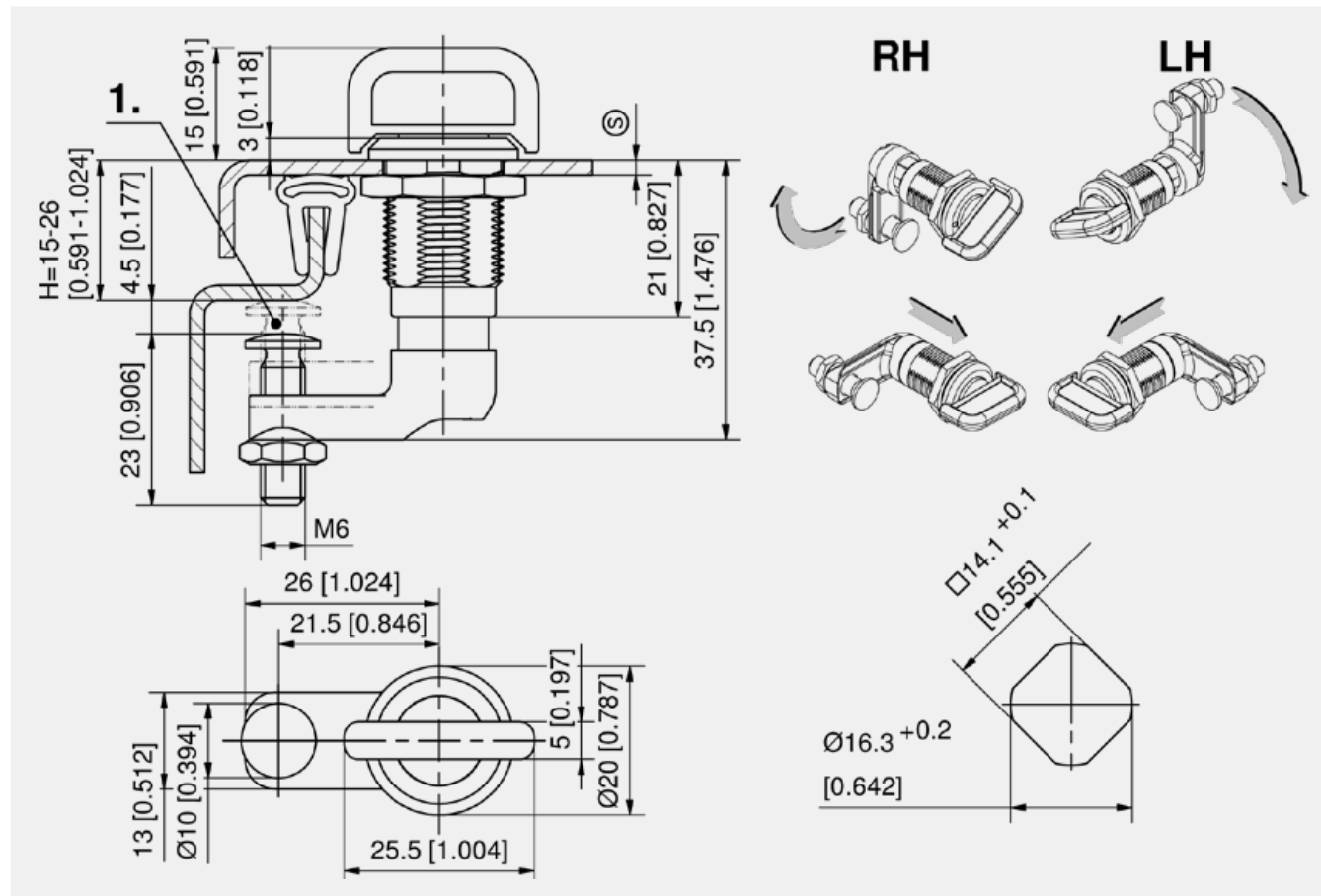
- Compression Latch with 4.5mm compression.
- RH or LH application.
- Vibration-proof according to DIN EN 61373.
- The closing process is always clockwise.
- By turning the insert 90° the cam is at first put into closed position.
- By turning a further 90°, the cam will be pulled towards the frame.
- The H-dimension can be easily adjusted by the adjusting screw.
- IP65 according to DIN EN 60529.
- A pre-assembled Quarter-Turn can be fitted through the cut-out.

**Materials**

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

**Remarks**

1. Adjusting screw



Compression Latch

	Part Number	Insert	Construction depth	Door-thickness	Compression	variable H-dimension	Material	Surface	Installation type
a)	220-9313.00-00000	Wing knob	38 mm	max. 12 mm	4,5	15 - 26 mm	zinc die	black	screw-on
a1)	220-9317.00-00000	Slotted 2x4mm	38 mm	max. 12 mm	4,5	15 - 26 mm	zinc die	black	screw-on
a2)	220-9318.00-00000	Socket hex.4mm	38 mm	max. 12 mm	4,5	15 - 26 mm	zinc die	black	screw-on



Compression Latch Pr20.1

See page 68



DIN 61373

IP 65/67

15 Nm

RoHS WEEE



The Compression Latch can be used where a secure latching is necessary

**Advantages**

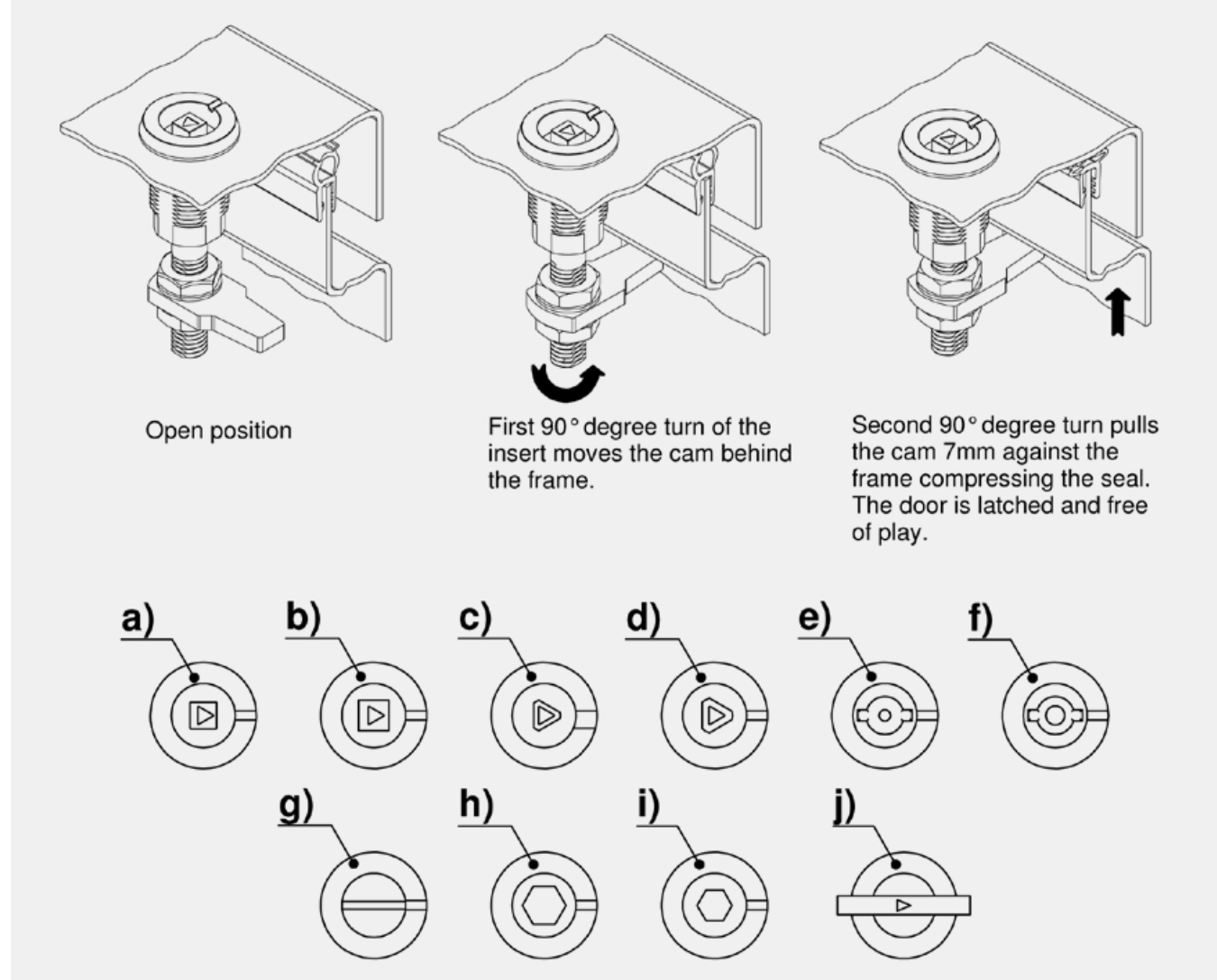
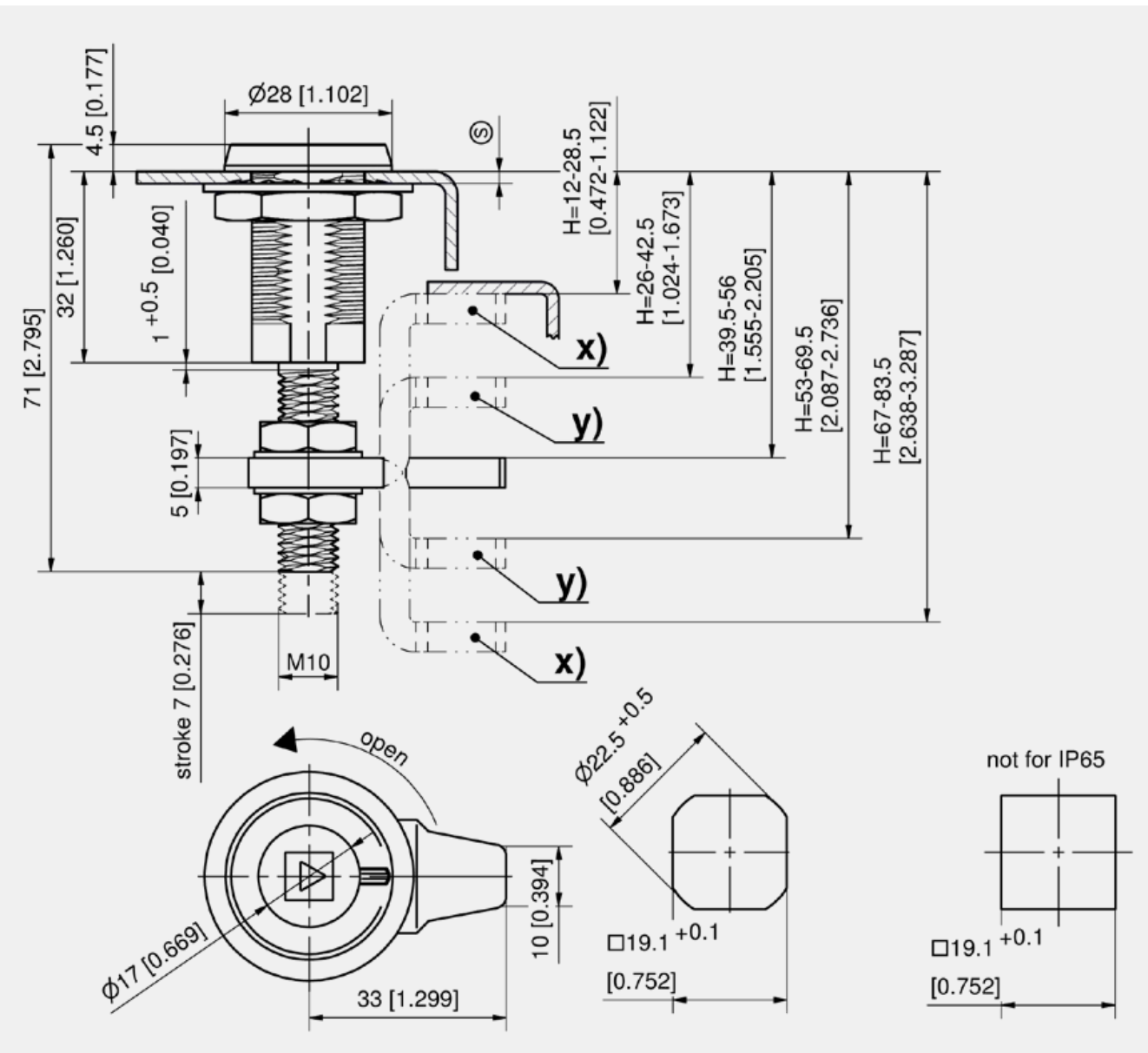
- Compression 7mm.
- Vibration-proof according to DIN EN 61373.
- Locking mechanism is a two-step process actuated by two 90° degree turns. Step 1: 90° degree turn - Cam is rotated behind the frame. Step 2: 90° degree turn - Cam is pulled 7 mm towards the frame.
- H-dimension variably adjustable from 39.5mm to 56mm by included straight cam.
- H-dimension variably adjustable from 12mm/0.472 to 83.5mm/3.287 by cams x) or y).
- IP65/67 according to DIN EN 60529.
- Inserts h) and i) (see drawing) on request.

**Materials**

- **Housing and insert:** zinc die, black
- **Nut for attachment of the housing:** zinc die
- **Serrated washer, nut and pin:** steel, zinc plated

**Remarks**

(S) = max. 18 mm



Compression Latch with insert, zinc die, black

	Part Number	Insert	Version	variable H-dimension	Compression	Packaging unit
a)	248-9752.00-00001	Square 7mm	LH	39.5 - 56 mm	7	25 pcs.
b)	248-9752.00-00002	Square 8mm	LH	39.5 - 56 mm	7	25 pcs.
c)	248-9752.00-00003	Triangular 7mm	LH	39.5 - 56 mm	7	25 pcs.
d)	248-9752.00-00004	Triangular 8mm	LH	39.5 - 56 mm	7	25 pcs.
e)	248-9752.00-00005	Double bit 3mm pin	LH	39.5 - 56 mm	7	25 pcs.
f)	248-9752.00-00006	Double bit 5mm pin	LH	39.5 - 56 mm	7	25 pcs.
g)	248-9752.00-00007	Slotted 2x4mm	LH	39.5 - 56 mm	7	25 pcs.
j)	248-9752.00-00010	Wing knob	LH	39.5 - 56 mm	7	25 pcs.

Cams, L33

	Part Number	Bending	H-dimension negative variable	H-dimension pos variable	Packaging unit
x)	248-0602.15-00275	27.5 mm	12 - 28.5 mm	67 - 83.5 mm	25 pcs.
y)	248-0602.15-00135	13.5 mm	26 - 42.5 mm	53 - 69.5 mm	25 pcs.

Accessories	
+	758 6-100 Key
	6-101 Multi Key



Nicely shaped Quarter-Turn with 12mm (0.472) housing

Advantages

- RH / LH application.
- Please configure the Quarter-Turn with insert and cam.
- On request parts can be assembled.
- The Quarter-Turn can be screwed into the cutout with the pre-assembled cam.
- Grounding is possible with use of a grounding nut.
- IP65 according to DIN EN 60529 by using sealing kit.

Materials

- **Housing and inserts:** zinc die, chrome plated or black
- **Cams and nut:** steel, zinc plated
- **Grounding nut:** zinc die, untreated

Remarks

- **Attention:** H-dimension  $\geq 6\text{mm}$ .
- (S) = max. 3mm

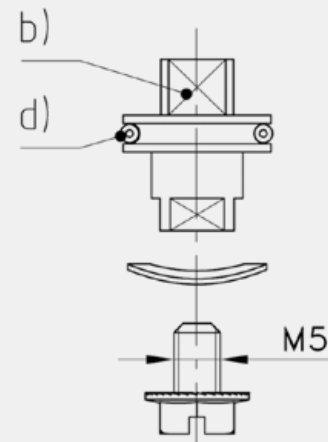
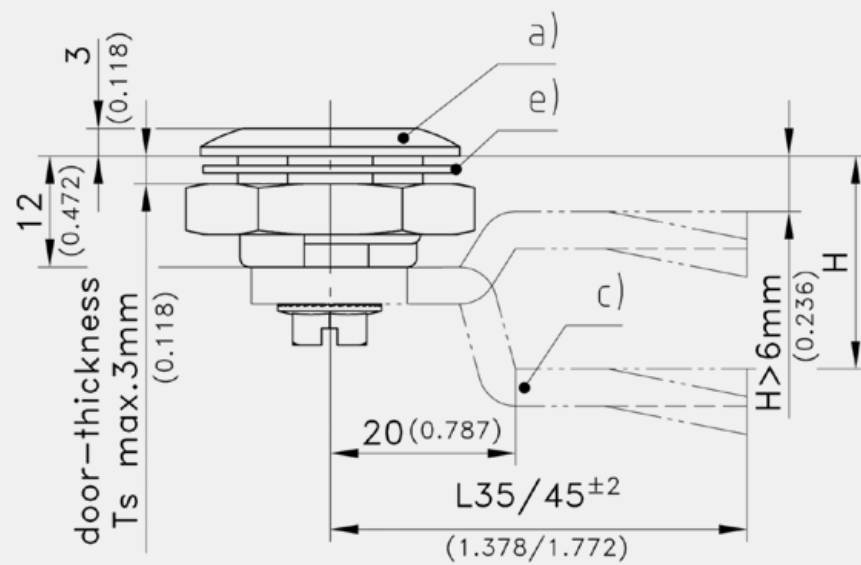
Housing, zinc die

	Part Number	Housing length	Surface	Grounding type
a)	100-9044.00-00000	12 mm	chrome plated	
a)	100-9045.00-00000	12 mm	chrome plated	Grounding nut
a)	100-9046.00-00000	12 mm	black	
a)	100-9047.00-00000	12 mm	black	Grounding nut

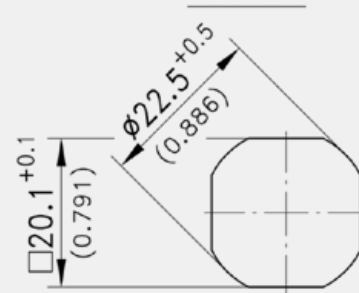
Inserts for Quarter-Turn L12

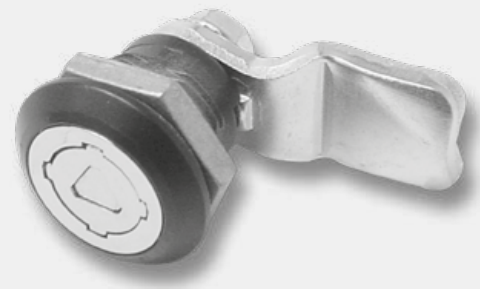
	Part Number	Insert	Material	Surface
b)	100-9138.00-00006	Double bit 3mm pin	zinc die	chrome plated
b)	100-9138.00-00007	Double bit 5mm pin	zinc die	chrome plated
b)	100-9138.00-00008	Square 6mm	zinc die	chrome plated
b)	100-9138.00-00009	Square 7mm	zinc die	chrome plated
b)	100-9138.00-00010	Square 8mm	zinc die	chrome plated
b)	100-9138.00-00011	Triangular 7mm	zinc die	chrome plated
b)	100-9138.00-00012	Triangular 8mm	zinc die	chrome plated
b)	100-9138.00-00013	Slotted 2x4mm	zinc die	chrome plated
b)	100-9140.00-00006	Double bit 3mm pin	zinc die	black
b)	100-9140.00-00007	Double bit 5mm pin	zinc die	black
b)	100-9140.00-00008	Square 6mm	zinc die	black
b)	100-9140.00-00009	Square 7mm	zinc die	black
b)	100-9140.00-00010	Square 8mm	zinc die	black
b)	100-9140.00-00011	Triangular 7mm	zinc die	black
b)	100-9140.00-00012	Triangular 8mm	zinc die	black
b)	100-9140.00-00013	Slotted 2x4mm	zinc die	black

Accessories	
+	758 6-100 Key
c)	160 1-102 Cams L35/45 steel
c)	166 1-260 Hooked Cam
c)	167 1-261 Cams with Ramp
c)	167 1-262 Cam variable
Assembly options	
+	200-0002.00-00000 Assembling cam with o-ring
+	200-0001.00-00000 Assembling cam without o-ring
Function extension	
*	d)-e) 209-9002.00-00000 Sealing kit IP65 for 200-Quarter-Turns



Cutout





for cutout 20.1, length 18, vibration-proof

**Advantages**

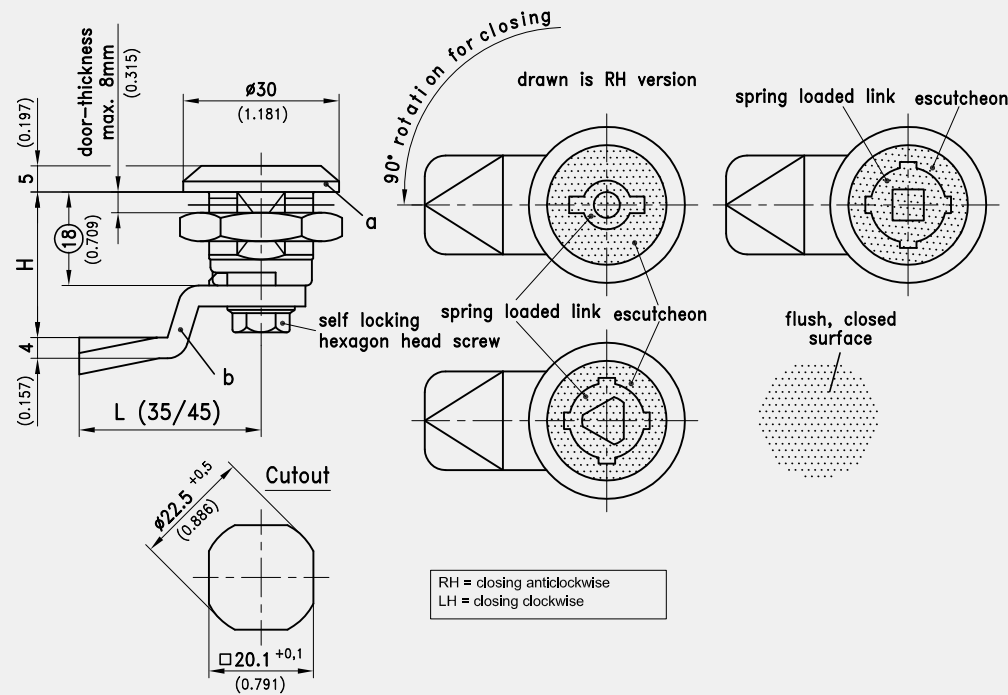
- Elegant, low-profile safty Quarter-Turn.
- Vibration-proof also at high sealing pressure through an integrated latch.
- At the double bit version the operation is not possible without an appropriate key.
- The key is captive in open position according to DIN 43668.
- IP65 according to DIN EN 60529.
- Completely assembled but without cam.
- **An additional advantage:** Completely closed housing surface.

**Materials**

- a)
- **Housing:** zinc die, black or chrome plated
  - **Spring loaded link and escutcheon:** zinc die, chrome plated
  - **Insert:** zinc die, chrome plated
- b) and b1)
- **Cam:** steel, zinc plated

**Remarks**

**Attention:** Also the black version always has the inserts escutcheon and link in chrome plating.



Safety Quarter-Turn, chrome plated

	Part Number	Housing length	Door-thickness	Insert	Version	Material	Surface
a)	255-9801.00-00000	18 mm	max. 8 mm	Square 6mm	RH / LH	zinc die	chrome plated
a)	255-9802.00-00000	18 mm	max. 8 mm	Square 7mm	RH / LH	zinc die	chrome plated
a)	255-9803.00-00000	18 mm	max. 8 mm	Square 8mm	RH / LH	zinc die	chrome plated
a)	255-9806.00-00000	18 mm	max. 8 mm	Triangular 6.5mm CNOMO	RH / LH	zinc die	chrome plated
a)	255-9804.00-00000	18 mm	max. 8 mm	Triangular 7mm	RH / LH	zinc die	chrome plated
a)	255-9805.00-00000	18 mm	max. 8 mm	Triangular 8mm	RH / LH	zinc die	chrome plated
a)	255-9807.00-00000	18 mm	max. 8 mm	Double bit 3mm pin	RH	zinc die	chrome plated
a)	255-9808.00-00000	18 mm	max. 8 mm	Double bit 3mm pin	LH	zinc die	chrome plated
a)	255-9809.00-00000	18 mm	max. 8 mm	Double bit 5mm pin	RH	zinc die	chrome plated
a)	255-9810.00-00000	18 mm	max. 8 mm	Double bit 5mm pin	LH	zinc die	chrome plated

Safety Quarter-Turn, black

	Part Number	Housing length	Door-thickness	Insert	Version	Material	Surface
a)	255-9851.00-00000	18 mm	max. 8 mm	Square 6mm	RH / LH	zinc die	black
a)	255-9852.00-00000	18 mm	max. 8 mm	Square 7mm	RH / LH	zinc die	black
a)	255-9853.00-00000	18 mm	max. 8 mm	Square 8mm	RH / LH	zinc die	black
a)	255-9856.00-00000	18 mm	max. 8 mm	Triangular 6.5mm CNOMO	RH / LH	zinc die	black
a)	255-9854.00-00000	18 mm	max. 8 mm	Triangular 7mm	RH / LH	zinc die	black
a)	255-9855.00-00000	18 mm	max. 8 mm	Triangular 8mm	RH / LH	zinc die	black
a)	255-9857.00-00000	18 mm	max. 8 mm	Double bit 3mm pin	RH	zinc die	black
a)	255-9858.00-00000	18 mm	max. 8 mm	Double bit 3mm pin	LH	zinc die	black
a)	255-9859.00-00000	18 mm	max. 8 mm	Double bit 5mm pin	RH	zinc die	black
a)	255-9860.00-00000	18 mm	max. 8 mm	Double bit 5mm pin	LH	zinc die	black

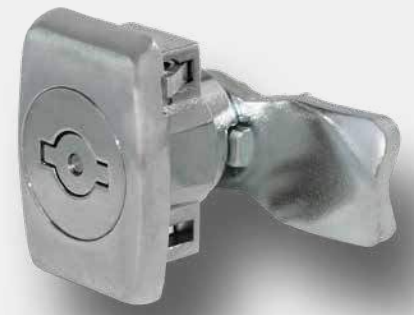
Accessories	
+	758 6-100 Key
b)	160 1-102 Cams L35/45 steel
b1)	167 1-262 Cam variable

Assembly options	
+	200-0001.00-00000 Assembling cam without o-ring



- DST
- IP 65
- RoHS WEEE



**Advantages**

- Low-profile safety Quarter-Turn vibration-proof also at high sealing pressure through an integrated latch.
- Tool-less installation.
- Vibration-proof installation.
- Blind installation.
- Rectangular cutout guarantees a perfect alignment.
- Not possible without an appropriate key.
- The key is captive in open position according to DIN 43668.
- Additional advantage: complete closed surface.
- RH / LH application.
- Pre-assembled RH/LH upon request.
- IP65 according to DIN EN 60529.
- Grounding by grounding clip.

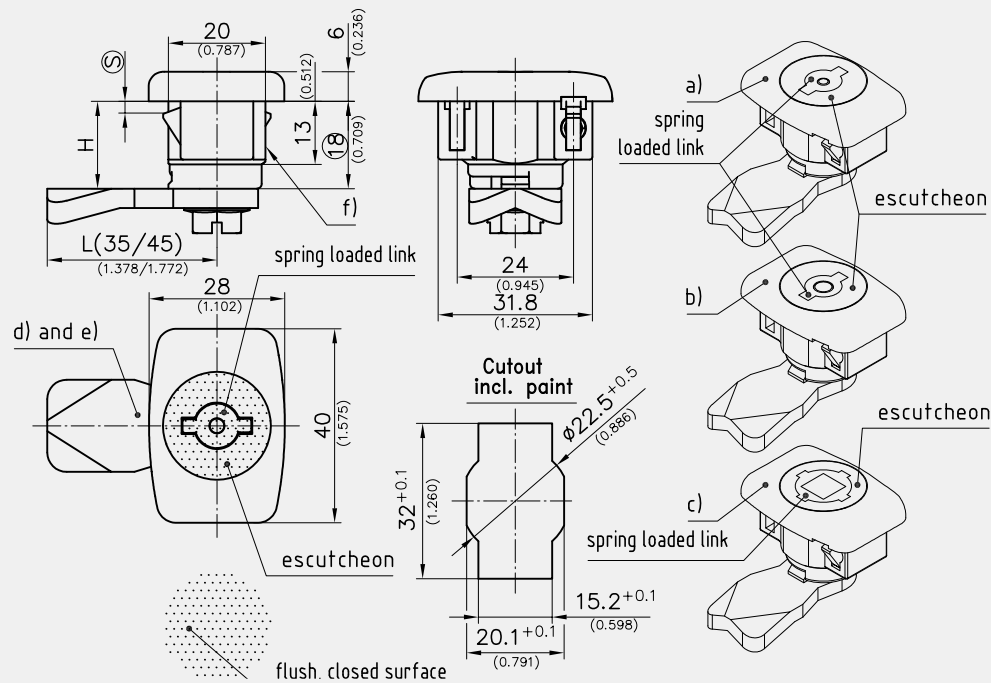
**Materials**

- **Housing, insert, spring loaded link and escutcheon:** zinc die, chrome plated
- **Snap wedges:** sintered steel
- **O-Ring:** NBR, black
- **Serrated screw:** steel, zinc plated

**Remarks**

**ATTENTION:** H-dimension of the cam not less than  $\geq 12\text{mm}(0.472)$ !

The pull-off force for double bit version is max. 300N.



Safety Quarter-Turn

	Part Number	Insert	Clamping range	Grounding type	Housing length	Installation type
a)	455-9001.00-00013	Double bit 3mm pin	1.0 - 1.7 mm	Grounding clip	18 mm	tool-less
a)	455-9001.00-00018	Double bit 3mm pin	1.5 - 2.2 mm	Grounding clip	18 mm	tool-less
a)	455-9001.00-00026	Double bit 3mm pin	2.3 - 3.0 mm	Grounding clip	18 mm	tool-less
b)	455-9002.00-00013	Double bit 5mm pin	1.0 - 1.7 mm	Grounding clip	18 mm	tool-less
b)	455-9002.00-00018	Double bit 5mm pin	1.5 - 2.2 mm	Grounding clip	18 mm	tool-less
b)	455-9002.00-00026	Double bit 5mm pin	2.3 - 3.0 mm	Grounding clip	18 mm	tool-less
c)	455-9004.00-00013	Square 8mm	1.0 - 1.7 mm	Grounding clip	18 mm	tool-less
c)	455-9004.00-00018	Square 8mm	1.5 - 2.2 mm	Grounding clip	18 mm	tool-less
c)	455-9004.00-00026	Square 8mm	2.3 - 3.0 mm	Grounding clip	18 mm	tool-less

Accessories	
d)	160 1-102 Cams L35/45 steel
d)	167 1-262 Cam variable
e)	182 2-151 2-, 3- and 4-Point Cam Adapter

Function extension	
f)	200-1101.04-00000 Grounding clip

- IP 65
- 15 Nm
- RoHS WEEE



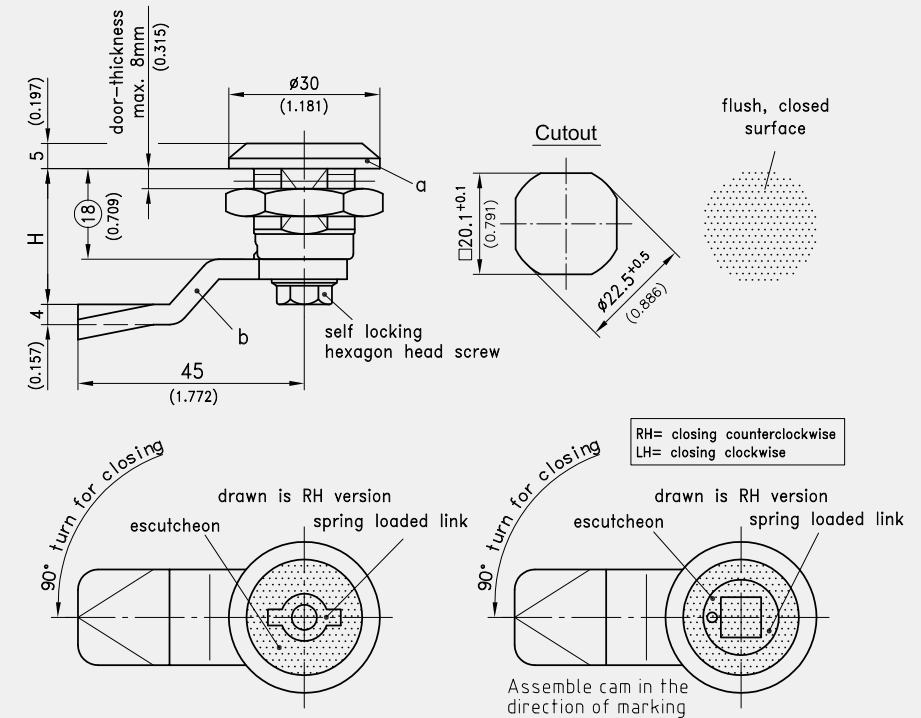
stainless steel AISI 316, for cutout 20.1, length 18, vibration-proof

**Advantages**

- Safety Quarter-Turn, vibration-proof with high compression force.
- With the double bit versions the key is captive in the open position, according to DIN 43668.
- IP65 according to DIN EN 60529.
- **Additional advantage:** completely closed surface.

**Materials**

- **Housing:** stainless steel AISI 316L
- **Insert, escutcheon, spring loaded link and pin:** stainless steel AISI 316



Quarter-Turn with insert

	Part Number	Insert	Housing length	Door-thickness	Version	Material	Installation type
a)	255-9429.00-00000	Double bit 3mm pin	18 mm	max. 8 mm	RH	Stainless Steel	screw-on
a)	255-9430.00-00000	Double bit 3mm pin	18 mm	max. 8 mm	LH	Stainless Steel	screw-on
a)	255-9409.00-00000	Double bit 5mm pin	18 mm	max. 8 mm	RH	Stainless Steel	screw-on
a)	255-9410.00-00000	Double bit 5mm pin	18 mm	max. 8 mm	LH	Stainless Steel	screw-on
a)	255-9402.00-00000	Square 7mm	18 mm	max. 8 mm	RH / LH	Stainless Steel	screw-on
a)	255-9403.00-00000	Square 8mm	18 mm	max. 8 mm	RH / LH	Stainless Steel	screw-on
a)	255-9405.00-00000	Triangular 8mm	18 mm	max. 8 mm	RH / LH	Stainless Steel	screw-on

Accessories	
b)	162 7-105 Cams L35/45 stainless steel
	167 1-262 Cam variable

Assembly options	
	200-0001.00-00000 Assembling cam without o-ring



Nicely shaped safety Quarter-Turn with 18mm housing

Advantages

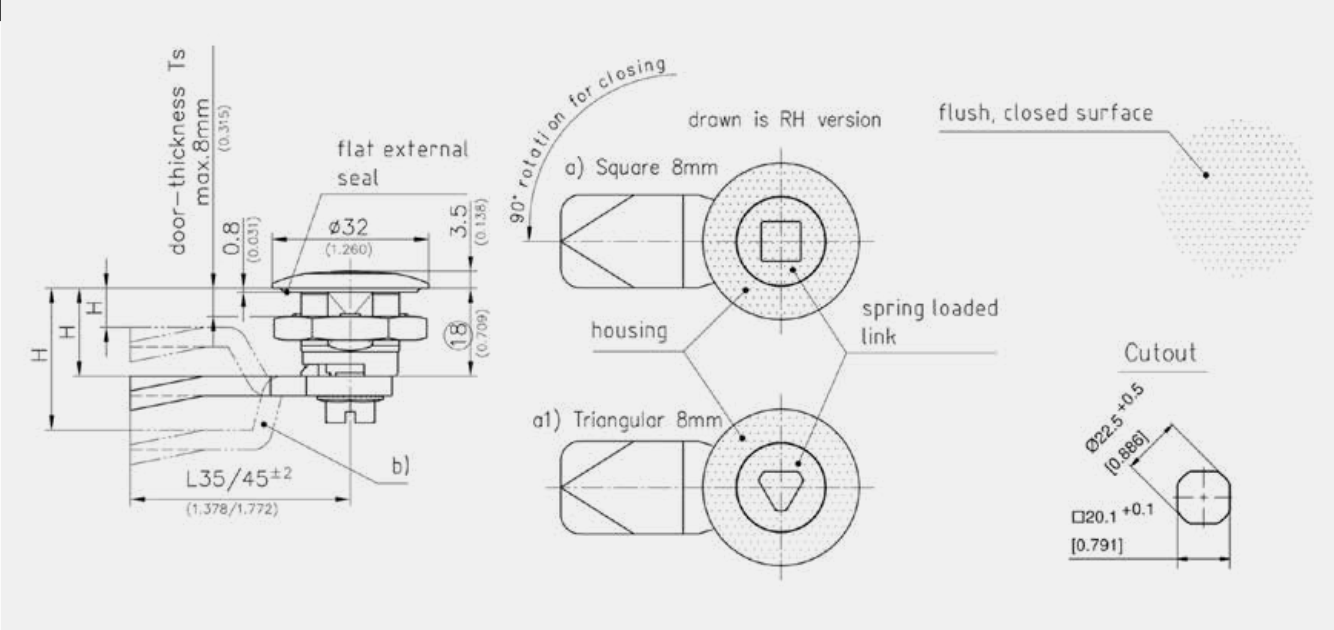
- RH / LH application.
- Vibration-proof according to DIN EN 61373 also at high sealing pressure, by built-in spring loaded link.
- IP65 according to DIN EN 60529.
- The Quarter-Turn can be screwed into the cutout with the pre-assembled cam.
- On request parts can be assembled.
- Grounding by single sided grounding nut.

Materials

- a)
- **Housing, insert and spring loaded link:** zinc die, matt chrome plated
  - **O-Ring and flat external seal:** NBR Perbunan, black
  - **Grounding nut:** zinc die, untreated
- b) and b1)
- **Cam:** steel, zinc plated

Remarks

Completely closed housing surface



Safety Quarter-Turn, pre-assembled, without cam

	Part Number	Housing length	Insert	Grounding type	Material	Surface	Installation type
a)	255-9813.00-00000	18 mm	Square 8mm	Grounding nut	zinc die	matt chrome plated	screw-on
a)	255-9814.00-00000	18 mm	Triangular 8mm	Grounding nut	zinc die	matt chrome plated	screw-on

Accessories	
+	758 6-100 Key
b)	160 1-102 Cams L35/45 steel
b1)	167 1-262 Cam variable



stainless steel AISI 316L

Advantages

- Flat version.
- Vibration-proof also at high sealing pressure.
- Fully closed external surface.
- IP65 according to DIN EN 60529.
- RH / LH application.
- A pre-assembled quarterturn can be inserted through the cutout.
- On request cam can be pre-assembled by DIRAK.

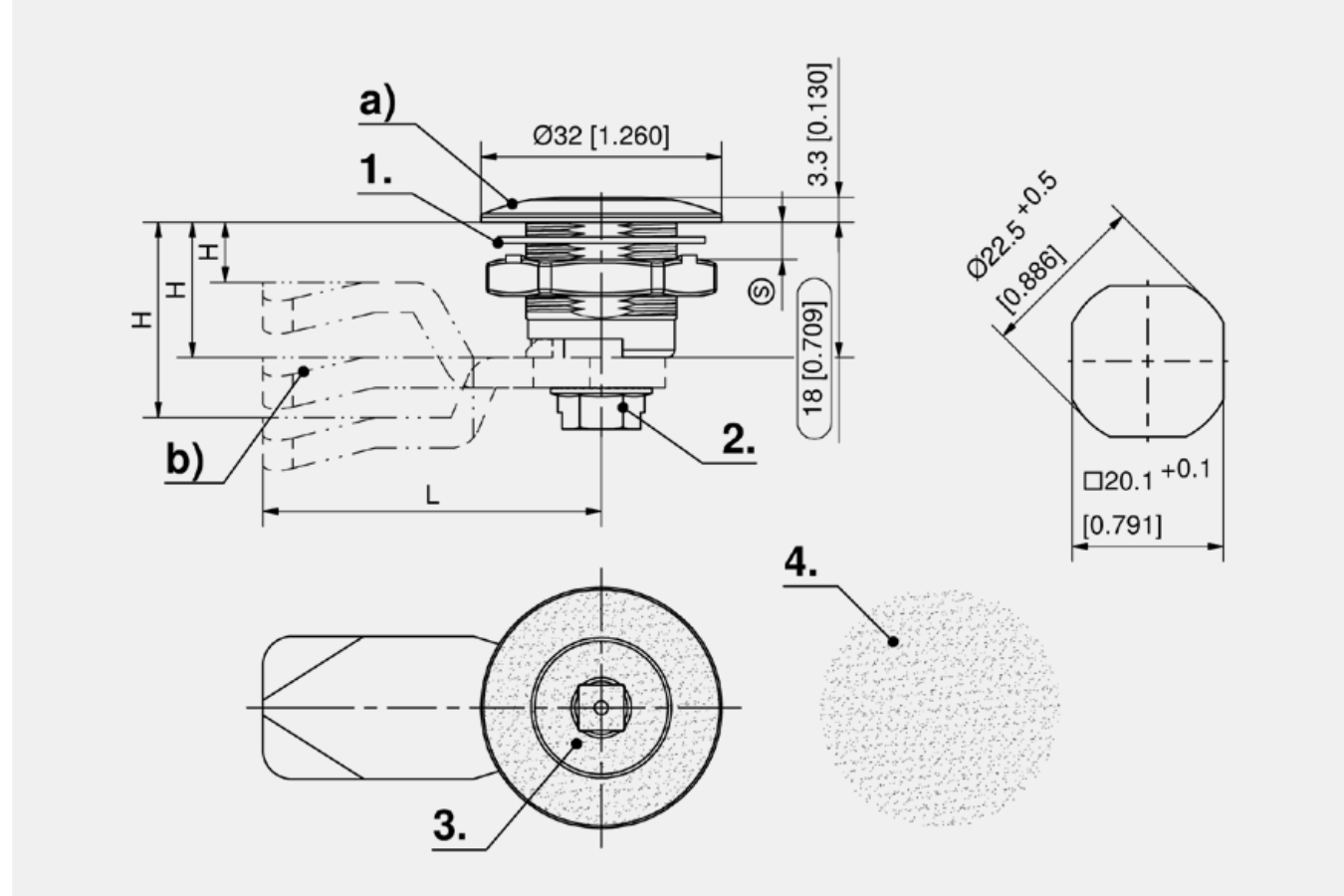
Materials

- **Housing, insert, spring loaded link and nut:** stainless steel AISI 316L
- **O-Ring and flat seal:** NBR Perbunan
- **Serrated screw and spring:** stainless steel AISI 304

Remarks

**Atencion:** An assembled cam will have some axial play on the insert. This play is necessary to neutralize tipping of the insert at high compression forces. This tipping will squeeze the spring loaded link.

1. Flat external seal
2. Serrated screw
3. Spring loaded link
4. Closed surface



Safety Quarter-Turn

	Part Number	Insert	Housing length	Door-thickness	Material
a)	255-9427.00-00000	Square 6mm	18 mm	max. 8 mm	Stainless Steel

Accessories	
+	b) 162 7-105 Cams L35/45 stainless steel



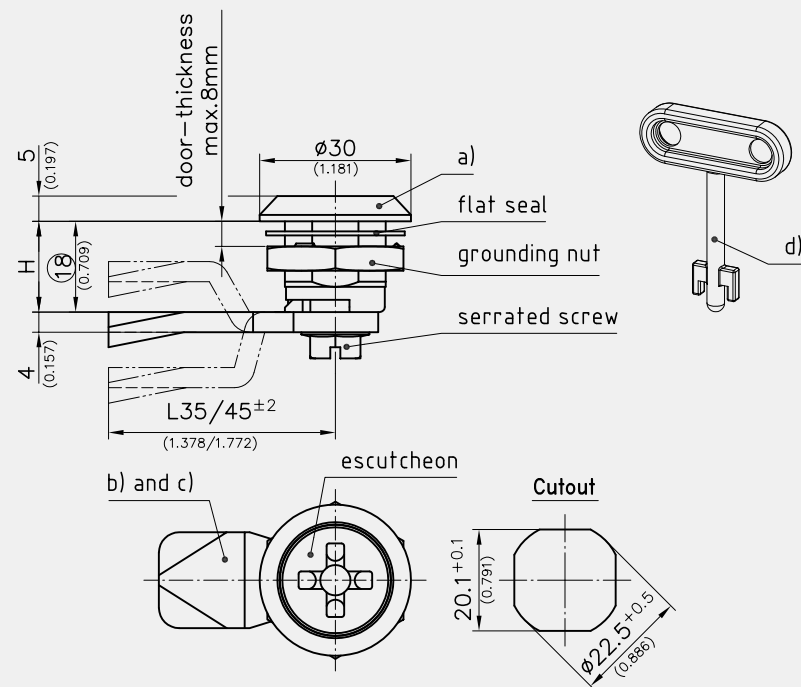
for cutout 20.1, length 18

**Advantages**

- Quarter-Turn with FIAT insert.
- Not possible without an appropriate key.
- The key is removable in 90° steps.
- RH / LH application.
- IP65 according to DIN EN 60529.
- Grounding by grounding nut.

**Materials**

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



Quarter-Turns

	Part Number	Housing length	Door-thickness	Insert	Grounding type	Material	Surface	Installation type
a)	255-9811.00-00000	18 mm	max. 8 mm	FIAT insert	Grounding nut	zinc die	chrome plated	screw-on
a)	255-9861.00-00000	18 mm	max. 8 mm	FIAT insert	Grounding nut	zinc die	black	screw-on

Accessories	
b)	160 1-102 Cams L35/45 steel
b)	167 1-262 Cam variable
c)	182 2-151 2-, 3- and 4-Point Cam Adapter

Specific accessories	
d)	759 204-0302.42-00000 FIAT key



**Advantages**

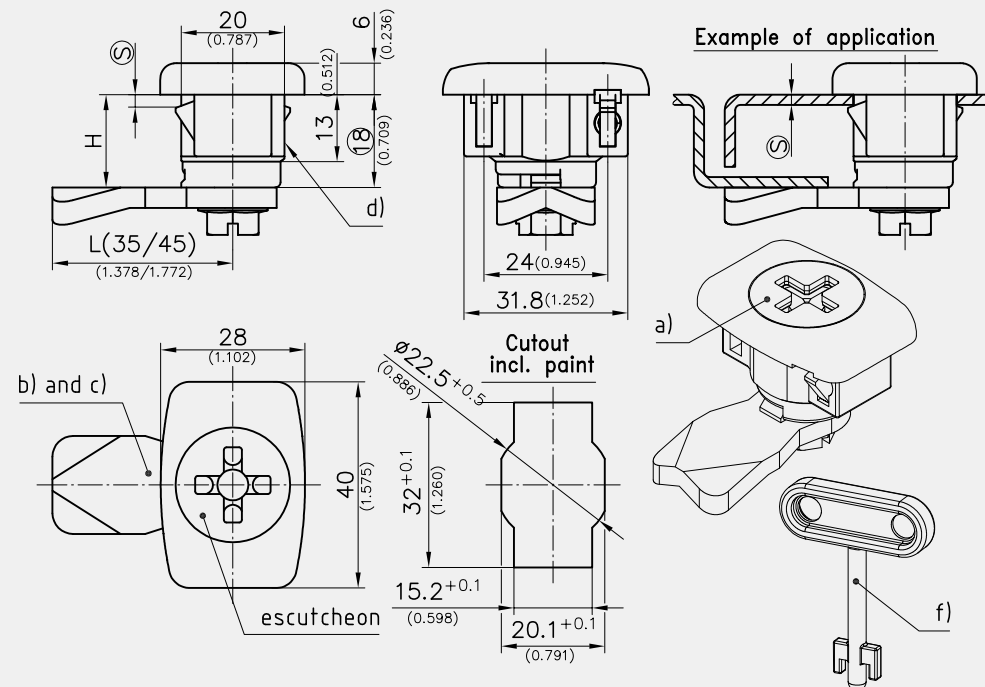
- Low profile Quarter-Turn with FIAT insert.
- Tool-less installation.
- Vibration-proof installation.
- Blind installation.
- Rectangular cutout guarantees a perfect alignment.
- The insert is not possible without an appropriate key.
- The key is removable in 90° steps.
- RH / LH application.
- Pre-assembly upon request.
- IP65 according to DIN EN 60529.
- Grounding by grounding clip.

**Materials**

- **Housing, insert and escutcheon:** zinc die, chrome plated
- **Snap wedges:** sintered steel
- **O-Ring:** NBR, black
- **Serrated screw:** steel, zinc plated

**Remarks**

**ATTENTION:** H-dimension of the cam not less than  $\geq 12\text{mm}(0.472)!$



Quarter-Turns

	Part Number	Clamping range	Insert	Grounding type	Material	Surface	Installation type
a)	455-9003.00-00013	1.0 - 1.7 mm	FIAT insert	Grounding clip	zinc die	chrome plated	tool-less
a)	455-9003.00-00018	1.5 - 2.2 mm	FIAT insert	Grounding clip	zinc die	chrome plated	tool-less
a)	455-9003.00-00026	2.3 - 3.0 mm	FIAT insert	Grounding clip	zinc die	chrome plated	tool-less

Accessories	
b)	160 1-102 Cams L35/45 steel
b)	167 1-262 Cam variable
c)	182 2-151 2-, 3- and 4-Point Cam Adapter

Specific accessories	
f)	759 204-0302.42-00000 FIAT key

Function extension	
d)	200-1101.04-00000 Grounding clip





**Advantages**

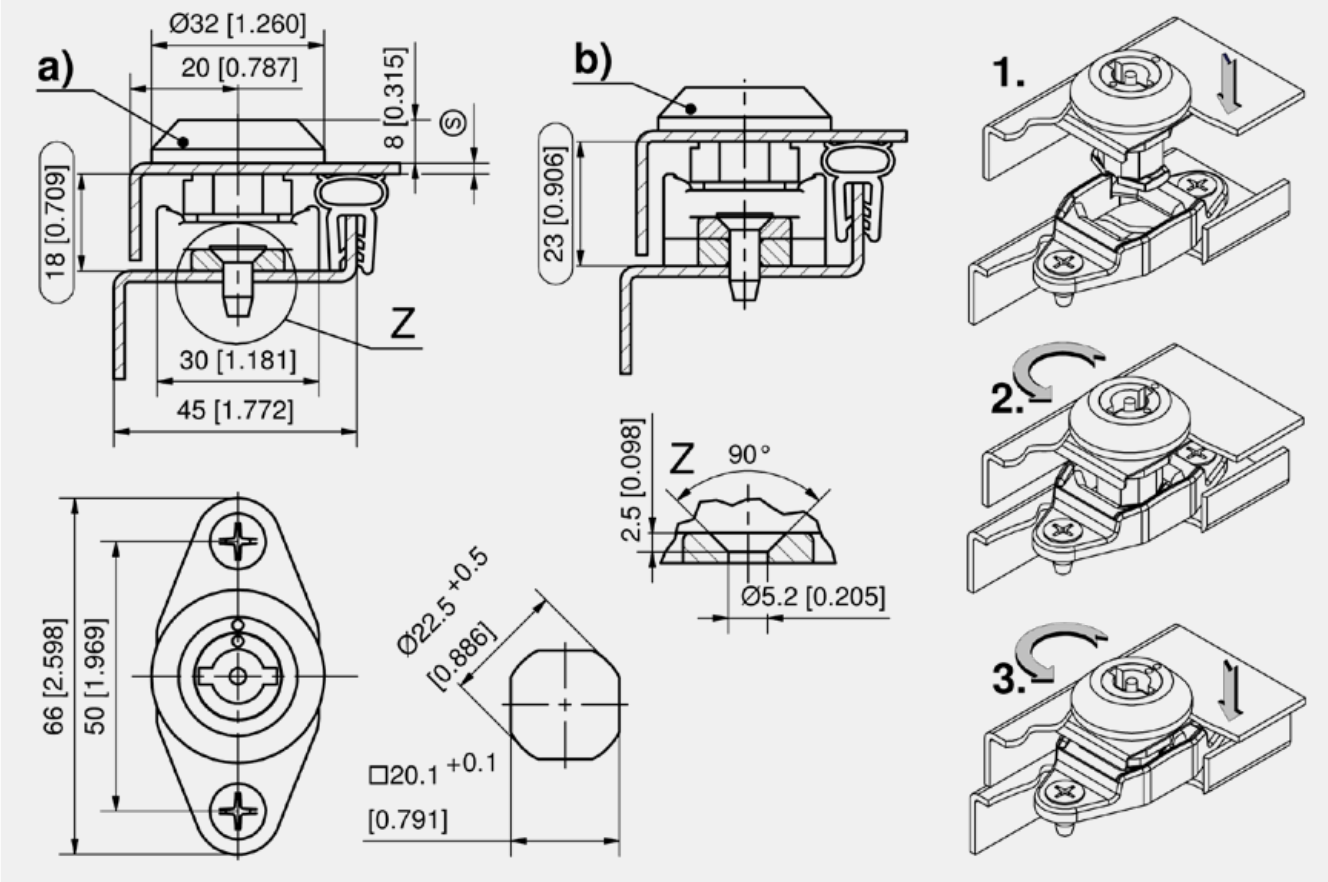
- For application outside sealed area.
- Compression 4.5mm.
- RH / LH application.
- Vibration-proof according to DIN EN 61373.
- Matching dots mark the final position (see lower drawing).
- **A further advantage:** The double function is especially beneficial for pressurized enclosures. After the first 90° opening turn, the pressure can escape because the door is still latched.

**Materials**

- **Housing, insert, cam, frame-part and spacer:** zinc die, black
- **Fixing clip:** spring steel, zinc plated

**Remarks**

1. = Close the door
  2. = First 90° rotation: the cam latches behind the frame into the locked position. The door cannot be opened.
  3. = A further 90° rotation will pull the already latched cam towards the frame: the seal is compressed, the door is latched and free of play.
- (S) door-thickness 1.5 [0.059] to 2.2mm [0.087].



Compression Latch

	Part Number	Insert	Version	Compression
a)	291-9005.00-00000	Double bit 3mm pin	for door bending 18mm	4,5
a)	291-9001.00-00000	Double bit 5mm pin	for door bending 18mm	4,5
a)	291-9004.00-00000	Triangular 8mm	for door bending 18mm	4,5
a)	291-9002.00-00000	Square 8mm	for door bending 18mm	4,5
a)	291-9003.00-00000	Slotted 2x4mm	for door bending 18mm	4,5
b)	291-9011.00-00000	Double bit 3mm pin	for door bending 23mm	4,5
b)	291-9007.00-00000	Double bit 5mm pin	for door bending 23mm	4,5
b)	291-9010.00-00000	Triangular 8mm	for door bending 23mm	4,5
b)	291-9008.00-00000	Square 8mm	for door bending 23mm	4,5
b)	291-9009.00-00000	Slotted 2x4mm	for door bending 23mm	4,5



**for cutout 20.1, very compact and tool-less installation**

**Advantages**

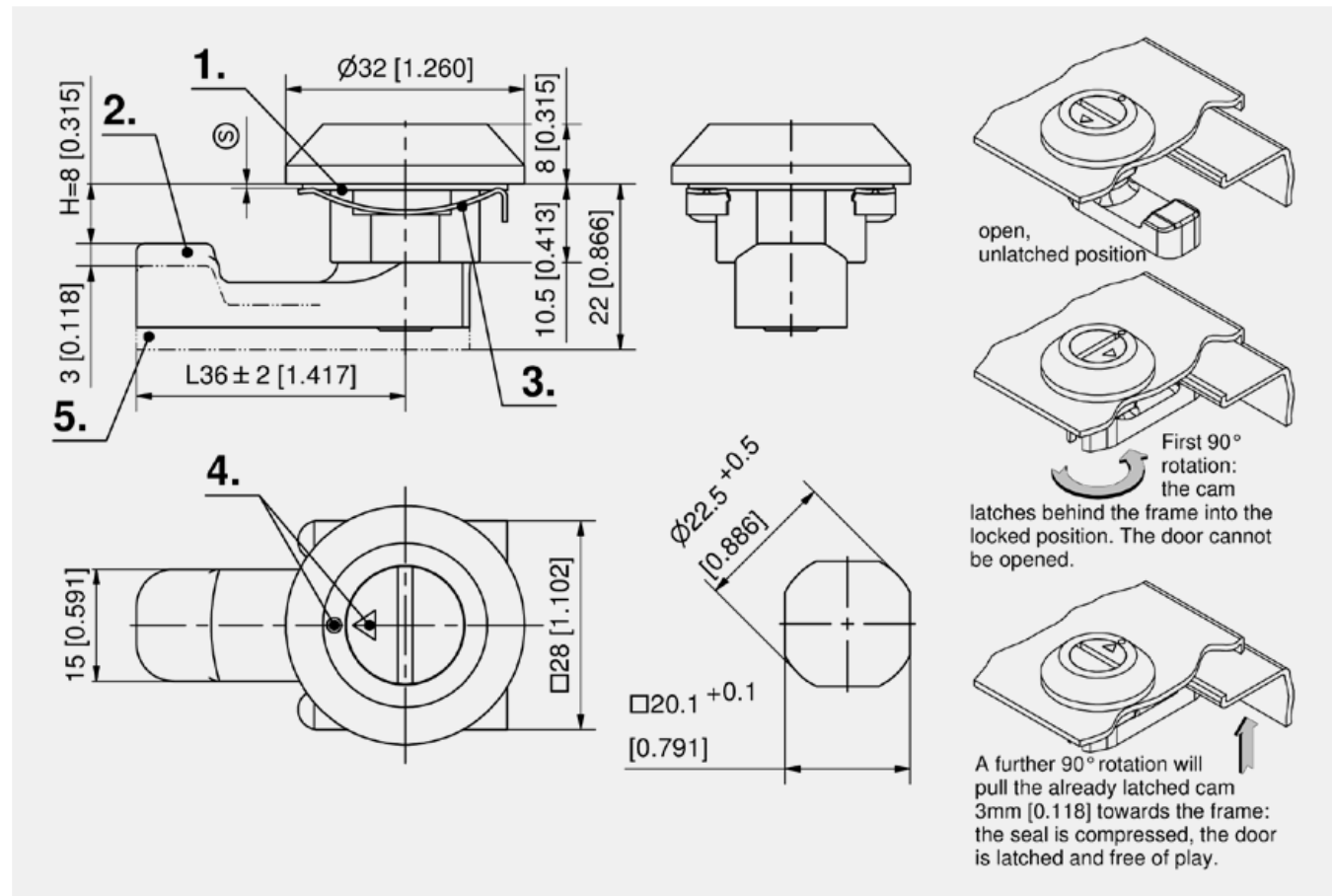
- Compression 3mm (0.118).
- Vibration-proof.
- Fixed cam H-dimension 8mm (0.315), L36mm (1.417).
- RH / LH application.
- Tool-less installation with a spring clip.
- IP65 according to DIN EN 60529.
- A pre-assembled Quarter-Turn can be installed through the cutout.
- Marking on the casing top indicates the final position.

**Materials**

- **Housing, insert and cam:** zinc die, black
- **Fixing clip:** stainless steel
- **Flat external seal and o-ring:** NBR

**Remarks**

- (S) door-thickness max. 2mm [0.079]
1. flat external seal
  2. ramp 1.5mm [0.059]
  3. fastening clip
  4. markings
  5. stroke



Compression Latch

Part Number	Insert	Construction depth opened	Door-thickness	Material	Surface	Installation type
291-9102.00-00000	Slotted 2x4mm	22 mm	max. 2 mm	zinc die	black	tool-less



**Advantages**

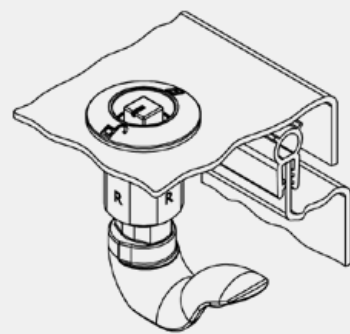
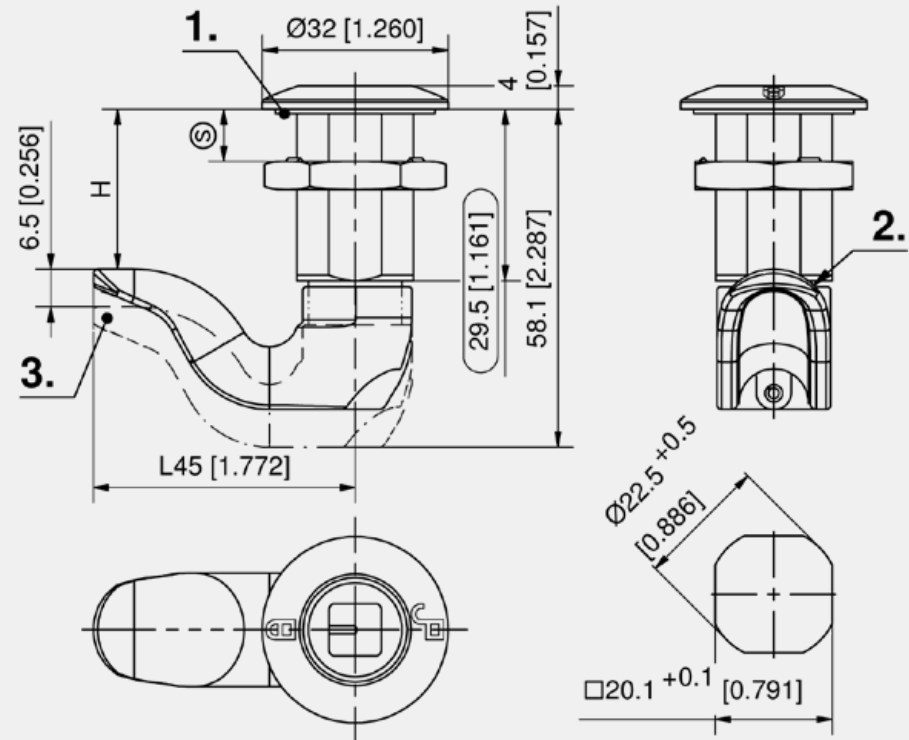
- With fix H-dimension (depending on cam).
- RH and LH version.
- Low profile design.
- Compression 6.5mm(0.256).
- Vibration-proof.
- The coloured marking on the casing top represents the opened/closed position in form of a padlock.
- IP65 according to DIN EN 60529.
- Grounding by single sided grounding nut.
- The Compression Latch will be screwed into the cutout with the pre-assembled cam.

**Materials**

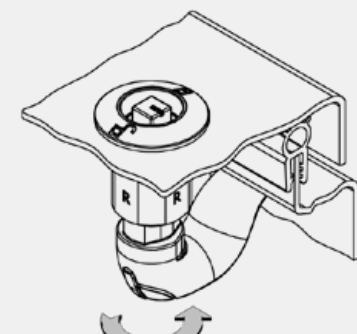
- **Housing, insert and cam:** zinc die, chrome plated
- **Plug:** PA6, black
- **O-Rings and flat external seal:** NBR
- **Serrated lock washer:** steel, zinc plated

**Remarks**

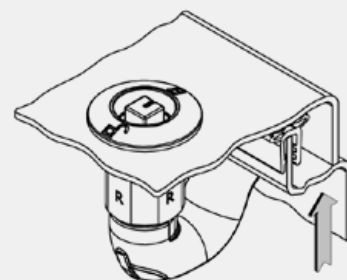
1. flat external seal
  2. ramp radius
  3. stroke
- (S) door-thickness max. 2.5mm



open, unlatched position



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



A further 90° rotation will pull the already latched cam 6.5mm [0.256] towards the frame: the seal is compressed, the door is latched and free of play.

Compression Latch with insert, version RH

Part Number	Insert	H-dimension	Grounding type	Compression	Material	Surface
248-9303.00-00022	Square 8mm	22 mm	Grounding nut	6.5	zinc die	chrome plated
248-9303.00-00024	Square 8mm	24 mm	Grounding nut	6.5	zinc die	chrome plated
248-9303.00-00026	Square 8mm	26 mm	Grounding nut	6.5	zinc die	chrome plated
248-9303.00-00028	Square 8mm	28 mm	Grounding nut	6.5	zinc die	chrome plated
248-9303.00-00038	Square 8mm	38 mm	Grounding nut	6.5	zinc die	chrome plated
248-9308.00-00022	Triangular 8mm	22 mm	Grounding nut	6.5	zinc die	chrome plated
248-9308.00-00024	Triangular 8mm	24 mm	Grounding nut	6.5	zinc die	chrome plated
248-9308.00-00026	Triangular 8mm	26 mm	Grounding nut	6.5	zinc die	chrome plated
248-9308.00-00028	Triangular 8mm	28 mm	Grounding nut	6.5	zinc die	chrome plated
248-9308.00-00038	Triangular 8mm	38 mm	Grounding nut	6.5	zinc die	chrome plated

Compression Latch with insert, version LH

Part Number	Insert	H-dimension	Grounding type	Compression	Material	Surface
248-9353.00-00022	Square 8mm	22 mm	Grounding nut	6.5	zinc die	chrome plated
248-9353.00-00024	Square 8mm	24 mm	Grounding nut	6.5	zinc die	chrome plated
248-9353.00-00026	Square 8mm	26 mm	Grounding nut	6.5	zinc die	chrome plated
248-9353.00-00028	Square 8mm	28 mm	Grounding nut	6.5	zinc die	chrome plated
248-9353.00-00038	Square 8mm	38 mm	Grounding nut	6.5	zinc die	chrome plated
248-9358.00-00022	Triangular 8mm	22 mm	Grounding nut	6.5	zinc die	chrome plated
248-9358.00-00024	Triangular 8mm	24 mm	Grounding nut	6.5	zinc die	chrome plated
248-9358.00-00026	Triangular 8mm	26 mm	Grounding nut	6.5	zinc die	chrome plated
248-9358.00-00028	Triangular 8mm	28 mm	Grounding nut	6.5	zinc die	chrome plated
248-9358.00-00038	Triangular 8mm	38 mm	Grounding nut	6.5	zinc die	chrome plated

Compression Latch with insert, version RH

Part Number	Insert	H-dimension	Grounding type	Compression	Material	Surface
248-9309.00-00022	Conical square 9mm	22 mm	Grounding nut	6.5	zinc die	chrome plated
248-9309.00-00024	Conical square 9mm	24 mm	Grounding nut	6.5	zinc die	chrome plated
248-9309.00-00026	Conical square 9mm	26 mm	Grounding nut	6.5	zinc die	chrome plated
248-9309.00-00028	Conical square 9mm	28 mm	Grounding nut	6.5	zinc die	chrome plated
248-9309.00-00038	Conical square 9mm	38 mm	Grounding nut	6.5	zinc die	chrome plated

Compression Latch with insert, version LH

Part Number	Insert	H-dimension	Grounding type	Compression	Material	Surface
248-9359.00-00022	Conical square 9mm	22 mm	Grounding nut	6.5	zinc die	chrome plated
248-9359.00-00024	Conical square 9mm	24 mm	Grounding nut	6.5	zinc die	chrome plated
248-9359.00-00026	Conical square 9mm	26 mm	Grounding nut	6.5	zinc die	chrome plated
248-9359.00-00028	Conical square 9mm	28 mm	Grounding nut	6.5	zinc die	chrome plated
248-9359.00-00038	Conical square 9mm	38 mm	Grounding nut	6.5	zinc die	chrome plated

Accessories	
174	1-270 Dust Caps and Sealing Plug Pr20.1
758	6-100 Key
173	200-4601.00-00000 Anti-rotation device
173	200-4601.02-00000 Anti-rotation device
173	800-0064.00-00000 Serrated lock washer
173	840-6798.00-00023 Serrated lock washer



**Advantages**

- Compression 6mm.
- Vibration-proof according to DIN EN 61373.
- 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.

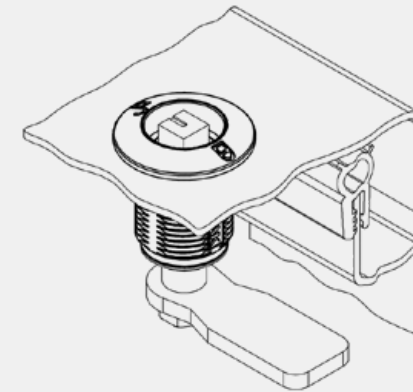
**Materials**

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

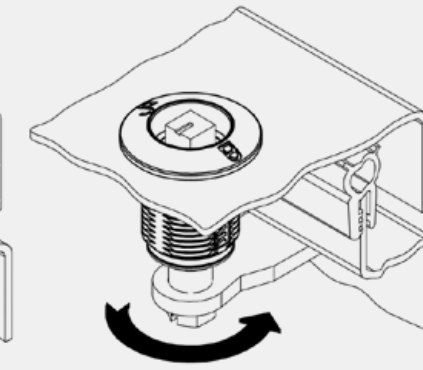
**Remarks**

- Negatively bent cams can **not** be installed pre-assembled.
1. Foamed sealing PUR
  2. Compression 6mm
- (S) door-thickness max. 22mm

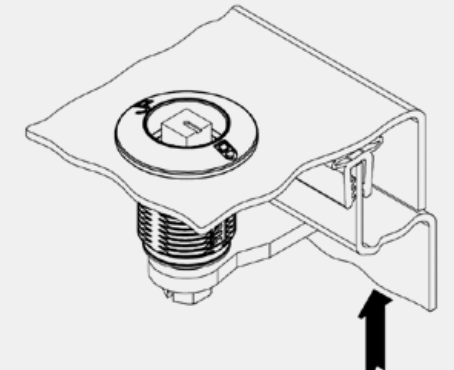
**Operation**



open, unlatched position



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

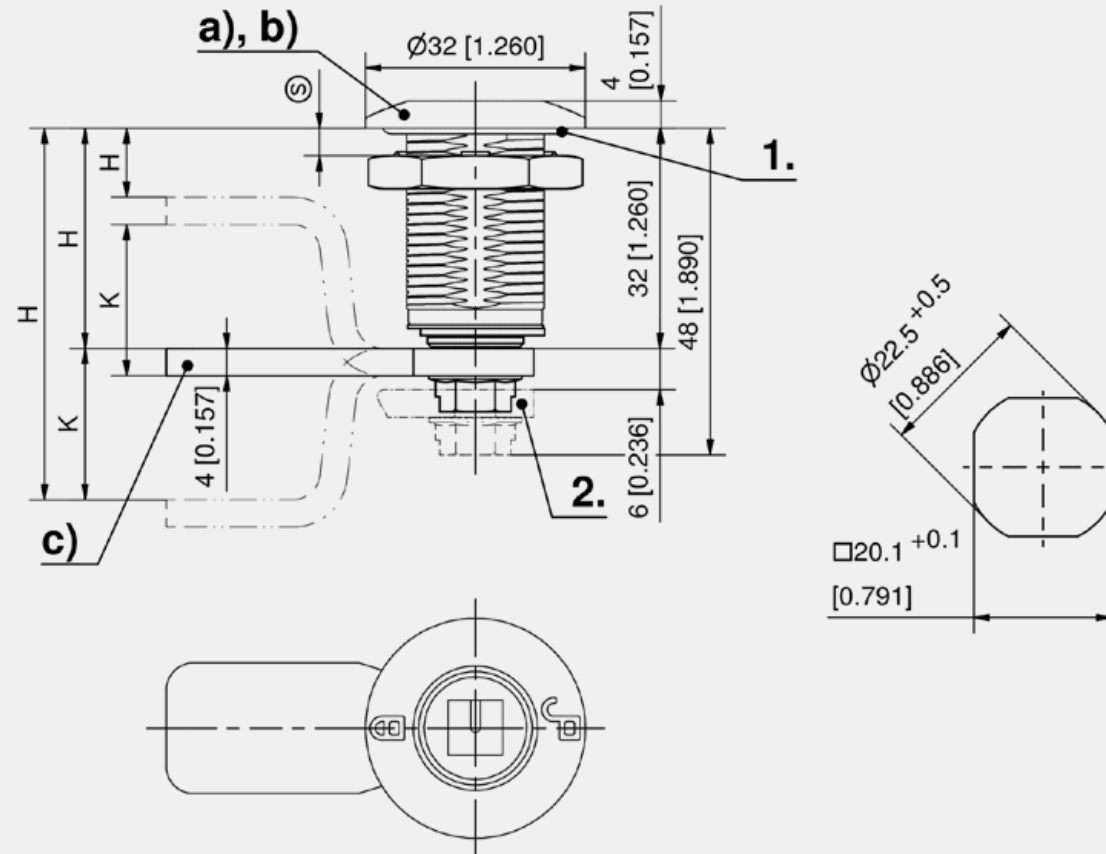


A further 90° rotation will pull the already latched cam towards the frame around 6mm [0.236]: the seal is compressed, the door is latched and free of play.

Compression Latch, short axis

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

Accessories	
758	6-100 Key
c) 164	1-102.01 Cams L35/45 without Ramp and Stop
174	200-4103.00-00000 Dust cap
173	200-4601.00-00000 Anti-rotation device
173	200-4601.02-00000 Anti-rotation device





stainless steel AISI 316, low profile Compression latch

**Advantages**

- Compression 6 mm.
- Vibration-proof according to DIN EN 61373.
- RH and LH version.
- The coloured marking on the casing top indicates the opened/closed position in form of a padlock.
- IP 65/67/69K according to DIN EN 60529/ DIN 40050.
- The H-dimension can be varied via the cranking of the cams.
- Negatively bent cams can not be installed pre-assembled.

**Materials**

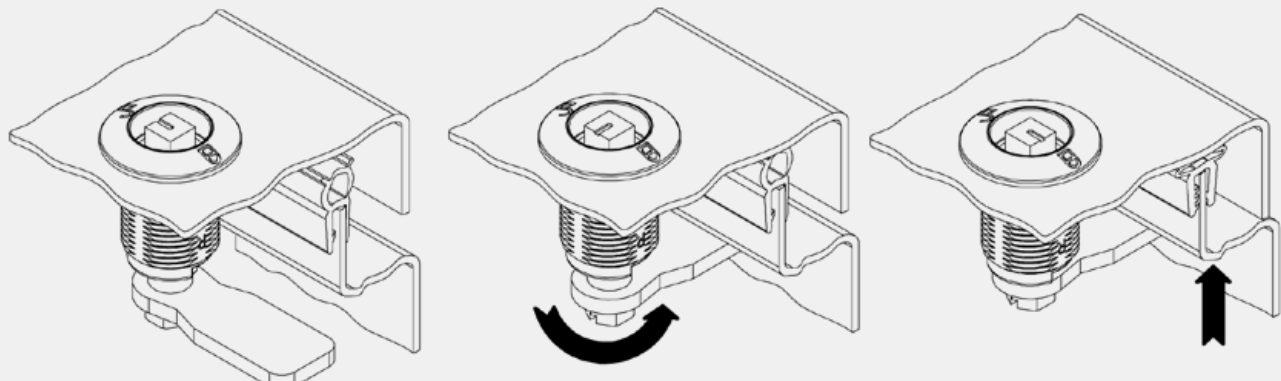
- **Housing, insert, axle and nut:** stainless steel AISI 316
- **Grounding nut:** stainless steel AISI 316L
- **Cam and serrated screw:** stainless steel AISI 304

**Remarks**

- 1. Foamed sealing PUR



**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: the seal is compressed, the door is latched and free of play.

**Compression Latch with Cam and Accessories**

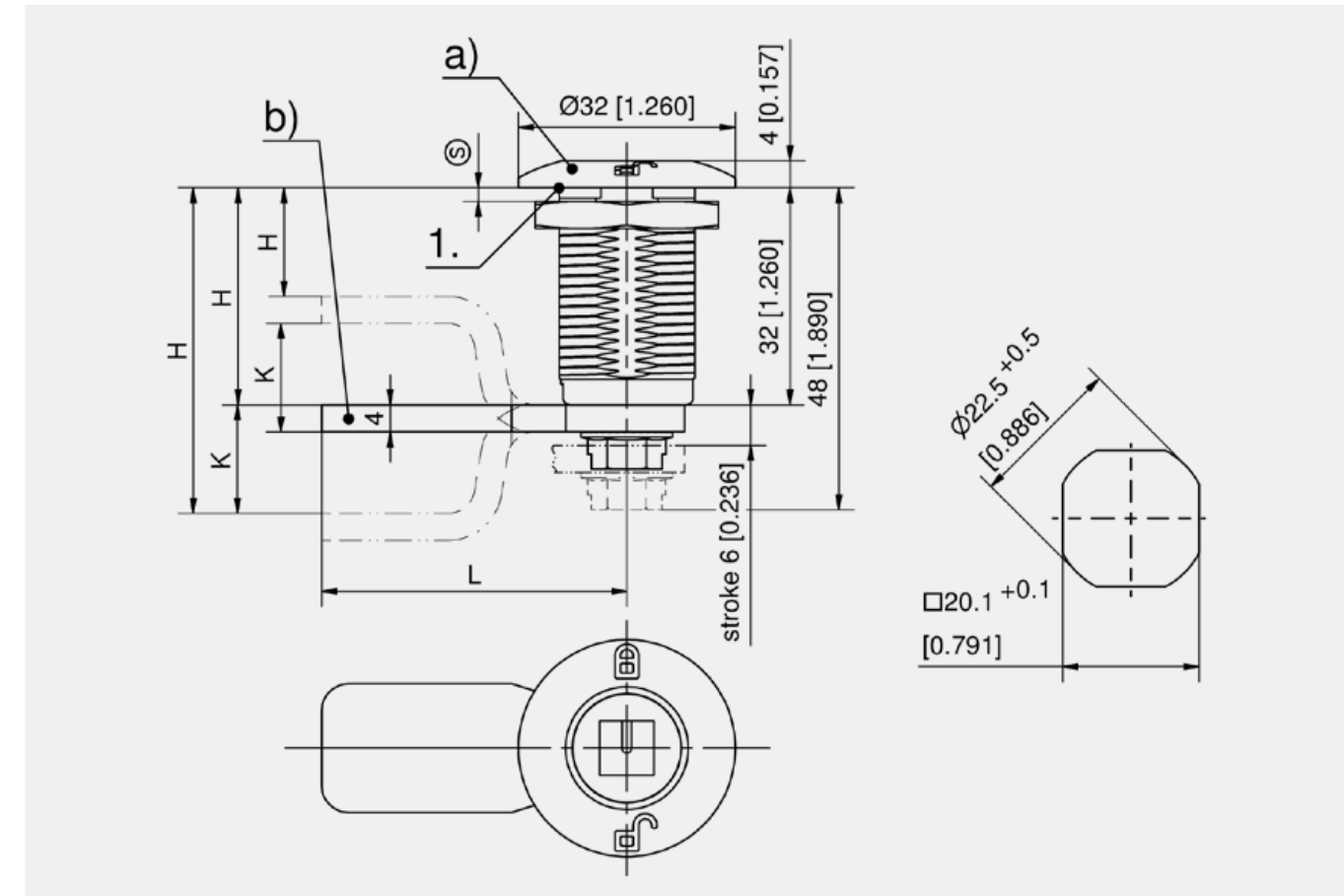
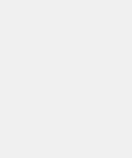
248-91AA.00- X Y L CC

**Insert version and Design:**  
RH or LH see table a)

**Accessories on table a):**  
0= without Accessories  
1= Serrated lock washer 840-6798.00-00023  
2= Dustcap 200-4103.00-00000  
3= Serrated lock washer + Dustcap

**Assembling of Cam:**  
0= without Cam  
1= Cam not assembled  
3= Cam assembled, positively bent Cam

**length of Cam:**  
0= without Cam  
1= L35  
2= L45



Compression Latch with insert, version RH

Part Number	Insert	Door-thickness	Grounding type	Construction depth
a) 248-9100.00-00000	Square 6mm	max. 22 mm	Grounding nut	48 mm
a) 248-9101.00-00000	Square 7mm	max. 22 mm	Grounding nut	48 mm
a) 248-9102.00-00000	Square 8mm	max. 22 mm	Grounding nut	48 mm
a) 248-9103.00-00000	Double bit 3mm pin	max. 22 mm	Grounding nut	48 mm
a) 248-9104.00-00000	Double bit 5mm pin	max. 22 mm	Grounding nut	48 mm
a) 248-9105.00-00000	Triangular 6.5mm	max. 22 mm	Grounding nut	48 mm
a) 248-9106.00-00000	Triangular 7mm	max. 22 mm	Grounding nut	48 mm
a) 248-9107.00-00000	Triangular 8mm	max. 22 mm	Grounding nut	48 mm
a) 248-9109.00-00000	Hex.SW 11	max. 22 mm	Grounding nut	48 mm
a) 248-9108.00-00000	Conical square 9mm	max. 22 mm	Grounding nut	48 mm
a) 248-9110.00-00000	Conical triangular 7mm	max. 22 mm	Grounding nut	48 mm

Compression Latch with insert, version LH

Part Number	Insert	Door-thickness	Grounding type	Construction depth
a) 248-9150.00-00000	Square 6mm	max. 22 mm	Grounding nut	48 mm
a) 248-9151.00-00000	Square 7mm	max. 22 mm	Grounding nut	48 mm
a) 248-9152.00-00000	Square 8mm	max. 22 mm	Grounding nut	48 mm
a) 248-9153.00-00000	Double bit 3mm pin	max. 22 mm	Grounding nut	48 mm
a) 248-9154.00-00000	Double bit 5mm pin	max. 22 mm	Grounding nut	48 mm
a) 248-9155.00-00000	Triangular 6.5mm	max. 22 mm	Grounding nut	48 mm
a) 248-9156.00-00000	Triangular 7mm	max. 22 mm	Grounding nut	48 mm
a) 248-9157.00-00000	Triangular 8mm	max. 22 mm	Grounding nut	48 mm
a) 248-9159.00-00000	Hex.SW 11	max. 22 mm	Grounding nut	48 mm
a) 248-9158.00-00000	Conical square 9mm	max. 22 mm	Grounding nut	48 mm
a) 248-9160.00-00000	Conical triangular 7mm	max. 22 mm	Grounding nut	48 mm

Accessories	
758	6-100 Key
b) 165	7-105.01 Cams L35/45 without Ramp and Stop
174	200-4103.00-00000 Dust cap
173	200-4601.00-00000 Anti-rotation device
173	200-4601.02-00000 Anti-rotation device



**Advantages**

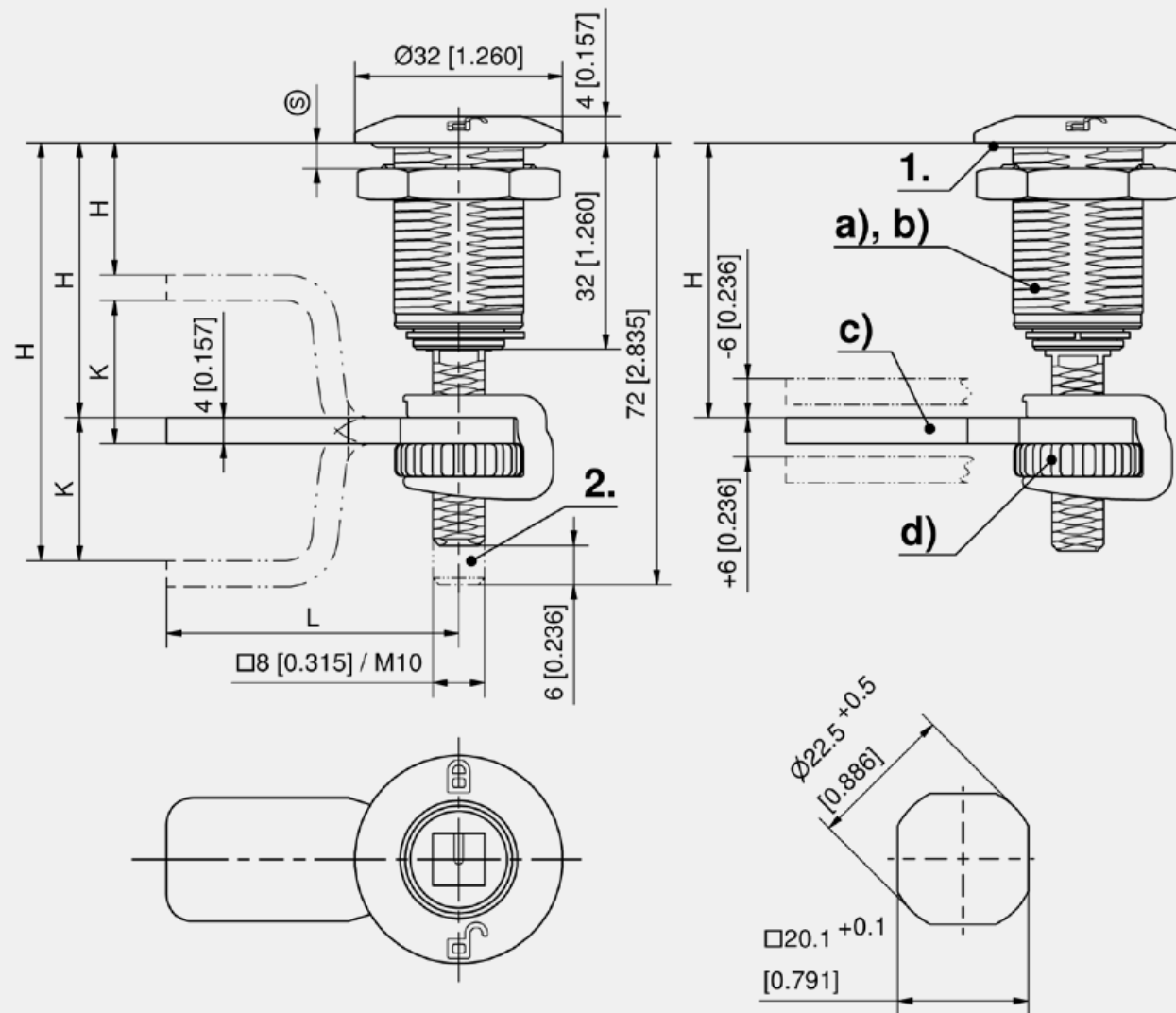
- Compression 6mm.
- Vibration-proof according to DIN EN 61373.
- RH and LH version.
- The coloured marking on the casing top indicates the opened/closed position in form of a padlock.
- IP 65/67 according to DIN EN 60529.
- The H-dimension can be varied via the cranking of the cams.
- Grounding by grounding nut.

**Materials**

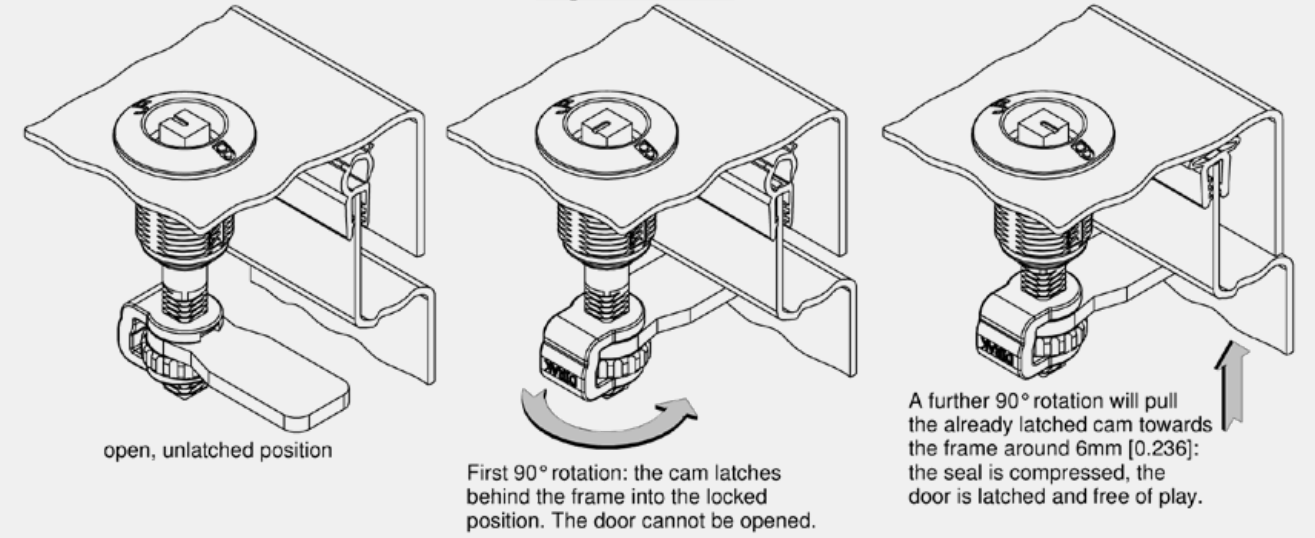
- **Housing, insert:** zinc die, chrome plated glossy
- **Threaded square rod:** steel, zinc plated
- **Grounding nut:** zinc die

**Remarks**

The cam can be varied to axis via catch with thumb wheel adjustment 2-151.02SL.  
 1. = foamed sealing PUR  
 2. = compression 6mm  
 (S) door-thickness max. 22mm



**Operation**



Compression Latch, long axis

	Part Number	Insert	Version	Compression	variable H-dimension
a)	248-9802.01-11201	Square 8mm	RH	6	17 - 73 mm
a)	248-9803.01-11201	Double bit 3mm pin	RH	6	17 - 73 mm
a)	248-9804.01-11201	Double bit 5mm pin	RH	6	17 - 73 mm
a)	248-9807.01-11201	Triangular 8mm	RH	6	17 - 73 mm
a)	248-9808.01-11201	Conical square 9mm	RH	6	17 - 73 mm
b)	248-9802.01-12201	Square 8mm	LH	6	17 - 73 mm
b)	248-9803.01-12201	Double bit 3mm pin	LH	6	17 - 73 mm
b)	248-9804.01-12201	Double bit 5mm pin	LH	6	17 - 73 mm
b)	248-9807.01-12201	Triangular 8mm	LH	6	17 - 73 mm
b)	248-9808.01-12201	Conical square 9mm	LH	6	17 - 73 mm

Accessories	
758	6-100 Key
c)	164 1-102.01 Cams L35/45 without Ramp and Stop
d)	178 2-151.02 Catch for standard Cams
	174 200-4103.00-00000 Dust cap
	173 200-4601.00-00000 Anti-rotation device
	173 200-4601.02-00000 Anti-rotation device

stainless steel AISI 316, low profile Compression latch

**Advantages**

- Compression 6 mm.
- Vibration-proof according to DIN EN 61373.
- RH and LH version.
- The coloured marking on the casing top indicates the opened/closed position in form of a padlock.
- IP 65/67/69K according to DIN EN 60529/ DIN 40050.
- The H-dimension can be varied via the cranking of the cams.
- The cam can be varied to ±6 mm (0.236) via nuts (included) on the axis.

**Materials**

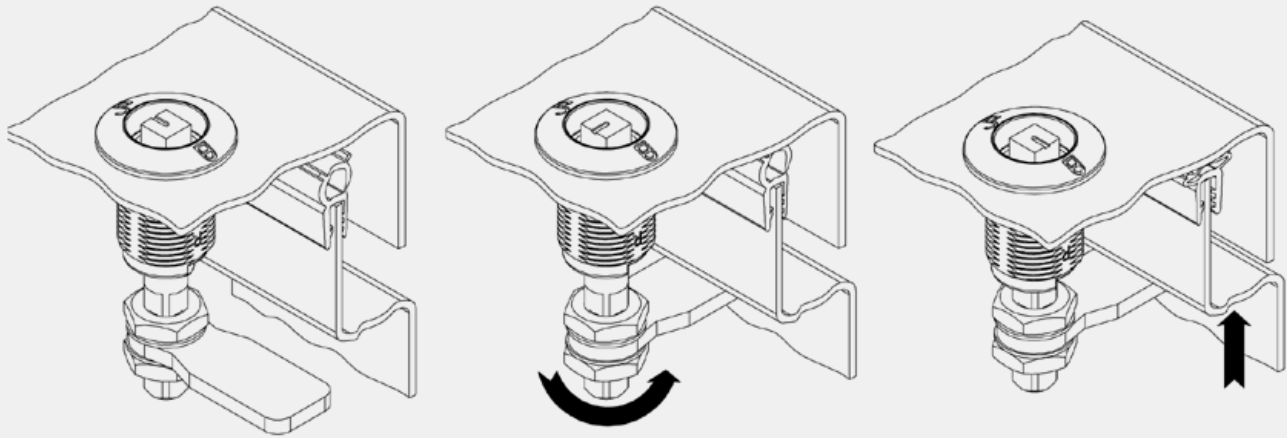
- **Housing, insert and axle:** stainless steel AISI 316
- **Grounding nut:** stainless steel AISI 316L
- **Cam, serrated washer and nuts M8:** stainless steel AISI 304

**Remarks**

- 1. Foamed sealing PUR



**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: the seal is compressed, the door is latched and free of play.

**Compression Latch with Cam and Accessories**

248-92AA.00- X Y L CC

Insert version and Design: Accessories on table a):

RH or LH see table a)

- 0= without Accessories
- 1= Serrated lock washer 840-6798.00-00023
- 2= Dustcap 200-4103.00-00000
- 3= Serrated lock washer + Dustcap

Assembling of Cam:

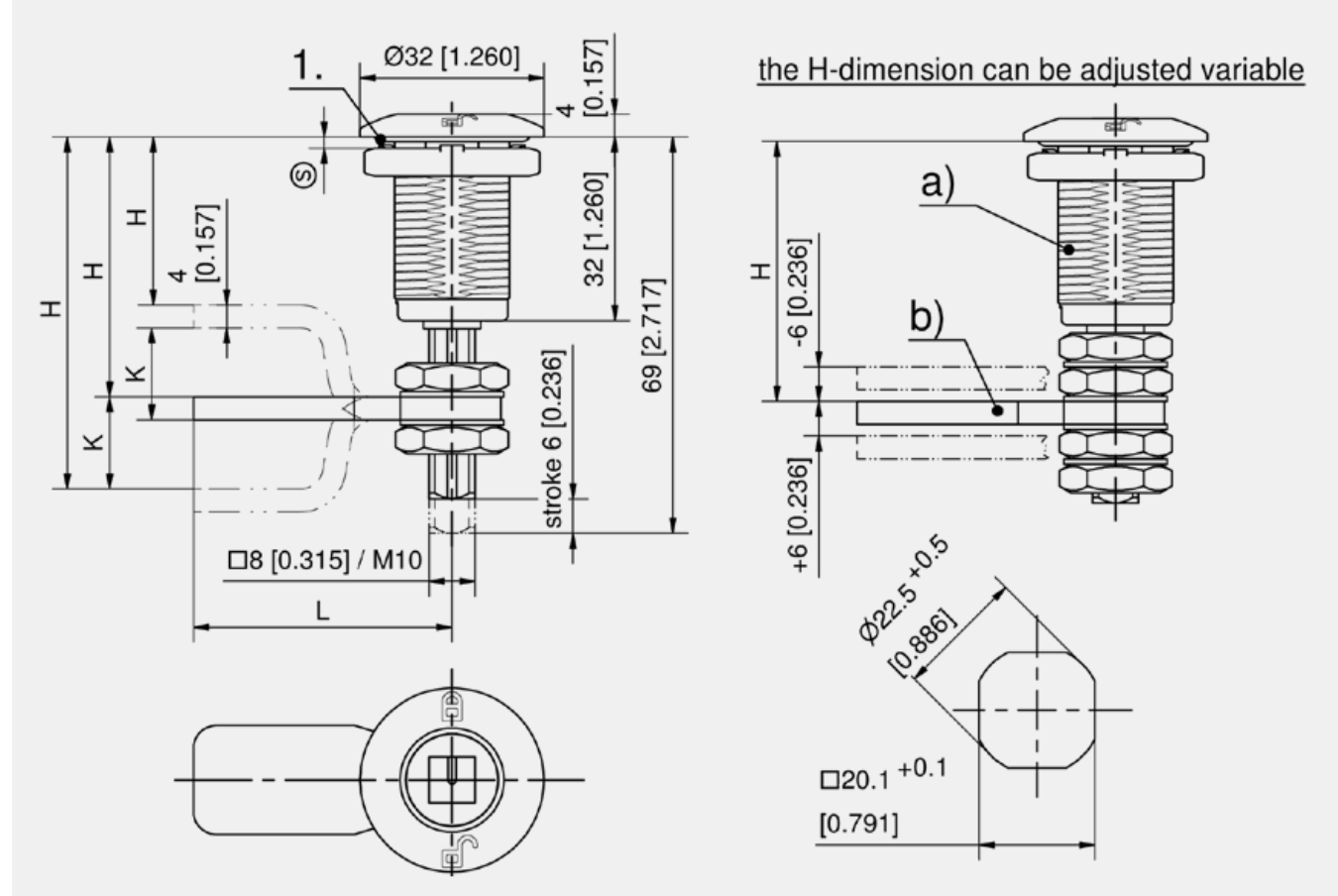
- 0= without Cam
- 1= Cam not assembled (attached loose)

length of Cam:

- 0= without Cam
- 1= L35
- 2= L45

Cranked Cam CC:

see table b)



Compression Latch, version RH

	Part Number	Insert	Door-thickness	Grounding type	Construction depth	variable H-dimension
a)	248-9200.00-00000	Square 6mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9201.00-00000	Square 7mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9202.00-00000	Square 8mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9203.00-00000	Double bit 3mm pin	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9204.00-00000	Double bit 5mm pin	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9205.00-00000	Triangular 6.5mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9206.00-00000	Triangular 7mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9208.00-00000	Conical square 9mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9207.00-00000	Triangular 8mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9209.00-00000	Hex.SW 11	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9210.00-00000	Conical triangular 7mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm

Compression Latch, version LH

	Part Number	Insert	Door-thickness	Grounding type	Construction depth	variable H-dimension
a)	248-9250.00-00000	Square 6mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9251.00-00000	Square 7mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9252.00-00000	Square 8mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9253.00-00000	Double bit 3mm pin	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9254.00-00000	Double bit 5mm pin	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9255.00-00000	Triangular 6.5mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9256.00-00000	Triangular 7mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9257.00-00000	Triangular 8mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9258.00-00000	Conical square 9mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9259.00-00000	Hex.SW 11	max. 22 mm	Grounding nut	69 mm	17 - 73 mm
a)	248-9260.00-00000	Conical triangular 7mm	max. 22 mm	Grounding nut	69 mm	17 - 73 mm

Accessories	
+	758 6-100 Key
b)	165 7-105.01 Cams L35/45 without Ramp and Stop
	180 7-077 Height Adjustable Cam L45
	174 200-4103.00-00000 Dust cap
	173 200-4601.00-00000 Anti-rotation device
	173 200-4601.02-00000 Anti-rotation device



- DST
- Quarter-Turns
- DIN 61373
- R L
- IP 65
- RoHS WEEE



**Advantages**

- Flush Quarter-Turn with planetary gear.
- For Snap-in installation into cutout 32x20.1mm.
- Tool-less installation.
- Vibration-proof according to DIN EN 61373.
- Blind installation.
- Rectangular cutout guarantees a perfect alignment.
- RH / LH application, must not be converted when the door is changed.
- High transmission ratio with compression path 10-20mm (1.).
- The Compression Latch can be snapped-in into the cutout as a completely pre-assembled unit.
- Rolling friction by cam with POM-roller.
- IP65 according to DIN EN 60529.

**Materials**

- **Housing and insert:** zinc die, chrome plated
- **Cam:** zinc die, zinc plated
- **Snap wedges:** sintered steel
- **Spring:** spring steel
- **Washer:** steel, zinc plated
- **Roller:** POM, matt black
- **Cover:** PA6, black
- **O-Ring:** NBR, black
- **Collar screw:** steel

**Remarks**

- Closing- and opening operation 180°, left and right turning, positive detent in closed and open position.
1. Compression
  2. O-ring

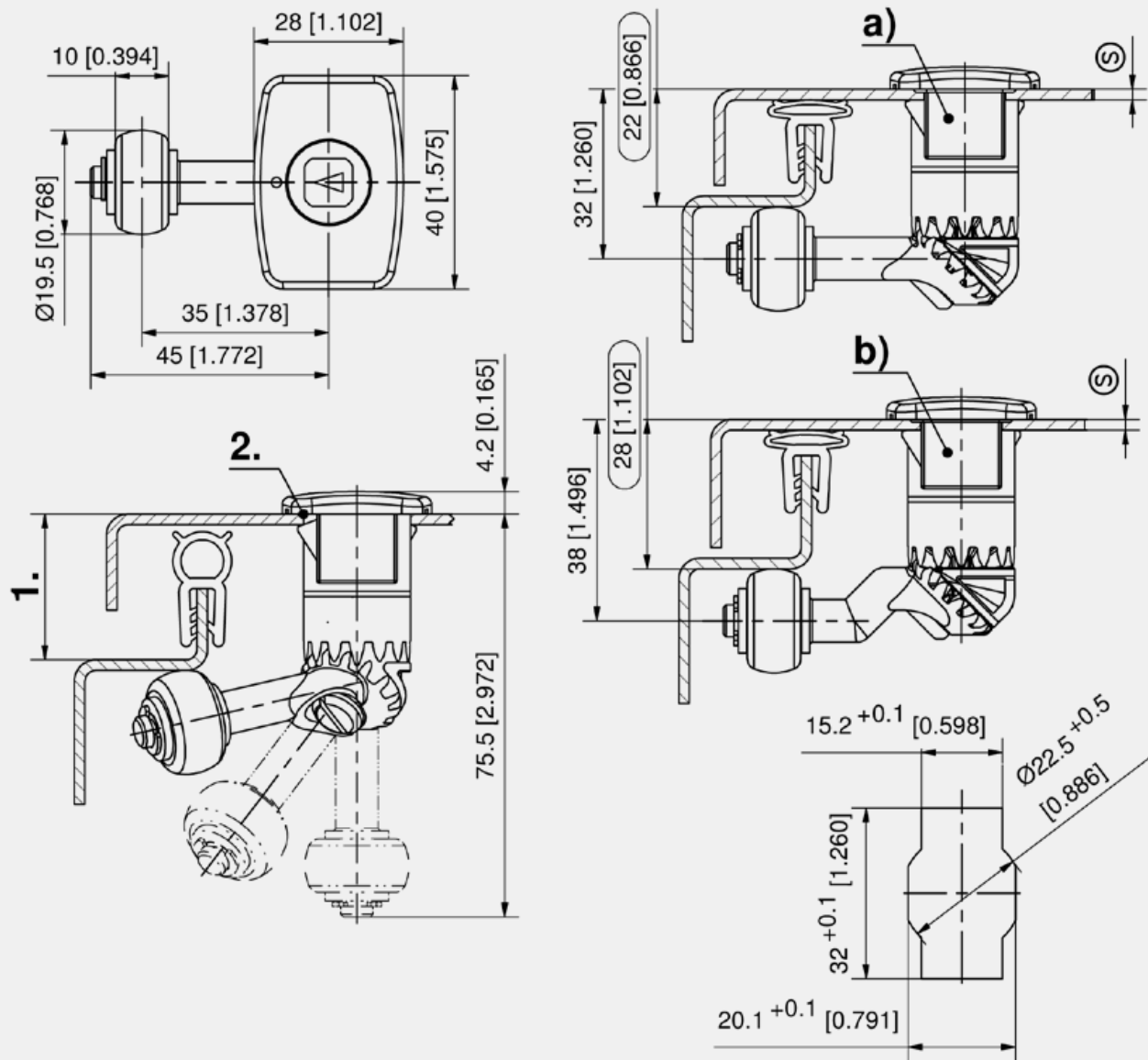


Compression Latch with insert, bending 22

	Part Number	Insert	Clamping range	H-dimension	Compression	Installation type
a)	448-9101.00-01012	Square 8mm	0.8 - 1.5 mm	22 mm	max. 20	tool-less
a)	448-9101.00-01016	Square 8mm	1.3 - 2.0 mm	22 mm	max. 20	tool-less
a)	448-9101.00-01020	Square 8mm	1.8 - 2.5 mm	22 mm	max. 20	tool-less
a)	448-9101.00-01026	Square 8mm	2.3 - 3.0 mm	22 mm	max. 20	tool-less
a)	448-9101.00-01031	Square 8mm	2.8 - 3.5 mm	22 mm	max. 20	tool-less
a)	448-9101.00-02012	Double bit 3mm pin	0.8 - 1.5 mm	22 mm	max. 20	tool-less
a)	448-9101.00-02016	Double bit 3mm pin	1.3 - 2.0 mm	22 mm	max. 20	tool-less
a)	448-9101.00-02020	Double bit 3mm pin	1.8 - 2.5 mm	22 mm	max. 20	tool-less
a)	448-9101.00-02026	Double bit 3mm pin	2.3 - 3.0 mm	22 mm	max. 20	tool-less
a)	448-9101.00-02031	Double bit 3mm pin	2.8 - 3.5 mm	22 mm	max. 20	tool-less
a)	448-9101.00-03012	Double bit 5mm pin	0.8 - 1.5 mm	22 mm	max. 20	tool-less
a)	448-9101.00-03016	Double bit 5mm pin	1.3 - 2.0 mm	22 mm	max. 20	tool-less
a)	448-9101.00-03020	Double bit 5mm pin	1.8 - 2.5 mm	22 mm	max. 20	tool-less
a)	448-9101.00-03026	Double bit 5mm pin	2.3 - 3.0 mm	22 mm	max. 20	tool-less
a)	448-9101.00-03031	Double bit 5mm pin	2.8 - 3.5 mm	22 mm	max. 20	tool-less

Compression Latch with insert, bending 28

	Part Number	Insert	Clamping range	H-dimension	Compression	Installation type
b)	448-9102.00-01012	Square 8mm	0.8 - 1.5 mm	28 mm	max. 20	tool-less
b)	448-9102.00-01016	Square 8mm	1.3 - 2.0 mm	28 mm	max. 20	tool-less
b)	448-9102.00-01020	Square 8mm	1.8 - 2.5 mm	28 mm	max. 20	tool-less
b)	448-9102.00-01026	Square 8mm	2.3 - 3.0 mm	28 mm	max. 20	tool-less
b)	448-9102.00-01031	Square 8mm	2.8 - 3.5 mm	28 mm	max. 20	tool-less
b)	448-9102.00-02012	Double bit 3mm pin	0.8 - 1.5 mm	28 mm	max. 20	tool-less
b)	448-9102.00-02016	Double bit 3mm pin	1.3 - 2.0 mm	28 mm	max. 20	tool-less
b)	448-9102.00-02020	Double bit 3mm pin	1.8 - 2.5 mm	28 mm	max. 20	tool-less
b)	448-9102.00-02026	Double bit 3mm pin	2.3 - 3.0 mm	28 mm	max. 20	tool-less
b)	448-9102.00-02031	Double bit 3mm pin	2.8 - 3.5 mm	28 mm	max. 20	tool-less
b)	448-9102.00-03012	Double bit 5mm pin	0.8 - 1.5 mm	28 mm	max. 20	tool-less
b)	448-9102.00-03016	Double bit 5mm pin	1.3 - 2.0 mm	28 mm	max. 20	tool-less
b)	448-9102.00-03020	Double bit 5mm pin	1.8 - 2.5 mm	28 mm	max. 20	tool-less
b)	448-9102.00-03026	Double bit 5mm pin	2.3 - 3.0 mm	28 mm	max. 20	tool-less
b)	448-9102.00-03031	Double bit 5mm pin	2.8 - 3.5 mm	28 mm	max. 20	tool-less





**Advantages**

- Compression Latch with 6.5mm compression.
- Version RH and LH.
- Vibration-proof according to DIN 60373.
- Please configure the Quarter-turn with insert and cam.
- 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 adjusted by the adjusting screw.
- IP65 according to DIN EN 60529.

**Materials**

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

**Remarks**

- (S) max. 23mm
- 1. Compression 6.5mm
- 2. Flat external seal
- 3. Adjusting screw

Compression Latch

	Part Number	Door-thickness	Compression	Closing stroke	Grounding type	Material	Surface	Installation type
a)	100-9001.00-00000	max. 22 mm	6.5	clockwise		zinc die	chrome plated	screw-on
a)	100-9002.00-00000	max. 22 mm	6.5	clockwise	Grounding nut	zinc die	chrome plated	screw-on
a)	100-9013.00-00000	max. 22 mm	6.5	counter clockwise	Grounding nut	zinc die	chrome plated	screw-on
a)	100-9014.00-00000	max. 22 mm	6.5	clockwise	Grounding nut	zinc die	black	screw-on
a)	100-9015.00-00000	max. 22 mm	6.5	counter clockwise	Grounding nut	zinc die	black	screw-on

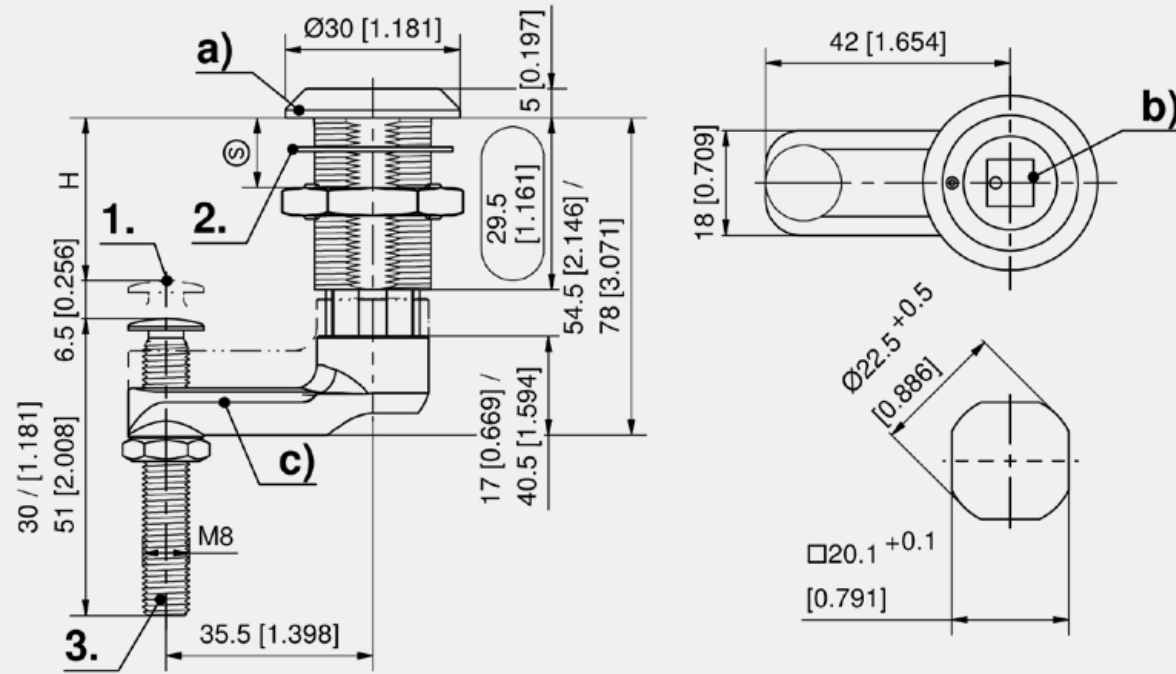
Inserts

	Part Number	Insert	Version	Material	Surface
b)	100-9104.00-00000	Square 7mm		zinc die	chrome plated
b)	100-9105.00-00000	Square 8mm		zinc die	chrome plated
b)	100-9106.00-00000	Triangular 7mm		zinc die	chrome plated
b)	100-9107.00-00000	Triangular 8mm		zinc die	chrome plated
b)	100-9103.00-00000	Double bit 3mm pin		zinc die	chrome plated
b)	100-9102.00-00000	Double bit 5mm pin		zinc die	chrome plated
b)	100-9114.00-00000	Socket hex. 8mm (5/16")		zinc die	chrome plated
b)	100-9123.00-00000	Socket hex. 8mm (5/16")		zinc die	black
b)	100-9101.00-00000	Socket hex. 10mm		zinc die	chrome plated
b)	100-9132.00-00000	Hex. 7/16"		zinc die	chrome plated
b)	100-9109.00-00000	Slotted 2x4mm		zinc die	chrome plated
b)	100-9110.00-00000	Drop handle	cam in line with the handle	zinc die	chrome plated
b)	100-9111.00-00000	Drop handle	cam 90° to the handle	zinc die	chrome plated

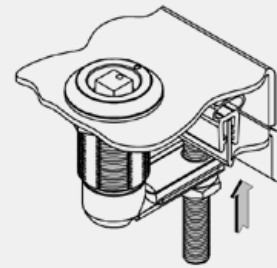
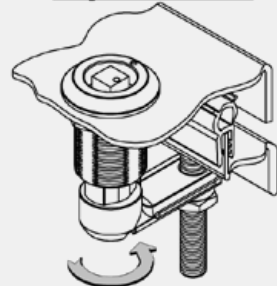
Cams

	Part Number	variable H-dimension	Version	Material	Surface
c)	200-9611.00-00000	0 - 37 mm	A=17, Adjustable screw 51mm	zinc die	chrome plated
c)	200-9610.00-00000	21 - 34 mm	A=17, Adjustable screw 30mm	zinc die	chrome plated
c)	200-9613.00-00000	24 - 60 mm	B=40.5, Adjustable screw 51mm	zinc die	chrome plated
c)	200-9612.00-00000	45 - 60 mm	B=40.5, Adjustable screw 30mm	zinc die	chrome plated
c)	200-9614.00-00000	0 - 37 mm	A=17, Adjustable screw 51mm	zinc die	chrome plated
c)	200-9618.00-00000	21 - 34 mm	A=17, Adjustable screw 30mm	zinc die	chrome plated

Assembly options	
200-0064.00-00000	Assembling (must be ordered)
200-0070.00-00000	Assembling drip handle 90° door LH
200-0071.00-00000	Assembling drip handle 90° door RH



**Operation**



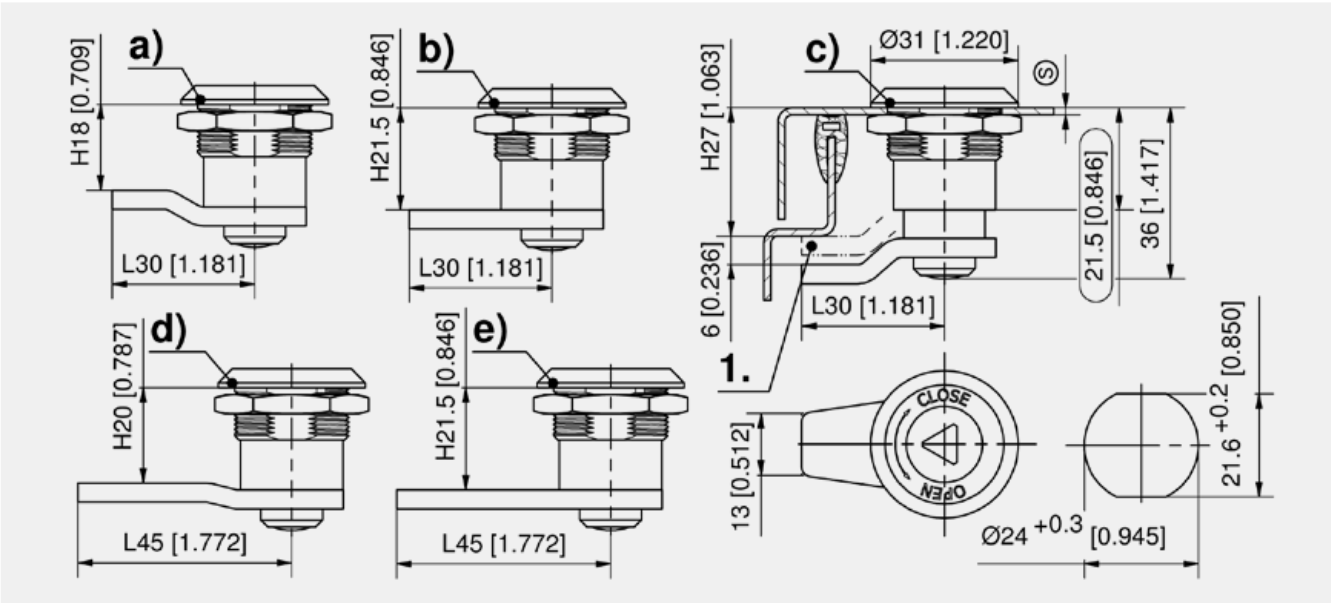
for cutout 21.6

Advantages

- Clamping Quarter-Turn with 6mm compression stroke.
- RH / 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 (5x) will pull the cam towards the door.

Materials

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



Clamping Quarter-Turn zinc die with insert and cam

	Part Number	Insert	Door-thickness	H-dimension	Length of cam	Compression stroke	Surface
a)	248-9001.35-00000	Square 7mm	max. 6 mm	18 mm	L 30	6	zinc plated
a)	248-9002.35-00000	Square 8mm	max. 6 mm	18 mm	L 30	6	zinc plated
a)	248-9004.35-00000	Triangular 8mm	max. 6 mm	18 mm	L 30	6	zinc plated
a)	248-9006.35-00000	Double bit 3mm pin	max. 6 mm	18 mm	L 30	6	zinc plated
a)	248-9007.35-00000	Double bit 5mm pin	max. 6 mm	18 mm	L 30	6	zinc plated
b)	248-9010.35-00000	Square 8mm	max. 6 mm	21.5 mm	L 30	6	zinc plated
b)	248-9011.35-00000	Triangular 7mm	max. 6 mm	21.5 mm	L 30	6	zinc plated
b)	248-9015.35-00000	Double bit 5mm pin	max. 6 mm	21.5 mm	L 30	6	zinc plated
b)	248-9016.35-00000	Slotted 2x4mm	max. 6 mm	21.5 mm	L 30	6	zinc plated
c)	248-9018.35-00000	Square 8mm	max. 6 mm	27 mm	L 30	6	zinc plated
c)	248-9019.35-00000	Triangular 7mm	max. 6 mm	27 mm	L 30	6	zinc plated
c)	248-9020.35-00000	Triangular 8mm	max. 6 mm	27 mm	L 30	6	zinc plated
c)	248-9022.35-00000	Double bit 3mm pin	max. 6 mm	27 mm	L 30	6	zinc plated
c)	248-9023.35-00000	Double bit 5mm pin	max. 6 mm	27 mm	L 30	6	zinc plated
c)	248-9024.35-00000	Slotted 2x4mm	max. 6 mm	27 mm	L 30	6	zinc plated
d)	248-9025.35-00000	Square 7mm	max. 6 mm	20 mm	L 45	6	zinc plated
d)	248-9026.35-00000	Square 8mm	max. 6 mm	20 mm	L 45	6	zinc plated
d)	248-9030.35-00000	Double bit 3mm pin	max. 6 mm	20 mm	L 45	6	zinc plated
e)	248-9033.35-00000	Square 7mm	max. 6 mm	21.5 mm	L 45	6	zinc plated
e)	248-9034.35-00000	Square 8mm	max. 6 mm	21.5 mm	L 45	6	zinc plated
e)	248-9035.35-00000	Triangular 7mm	max. 6 mm	21.5 mm	L 45	6	zinc plated
e)	248-9036.35-00000	Triangular 8mm	max. 6 mm	21.5 mm	L 45	6	zinc plated
e)	248-9038.35-00000	Double bit 3mm pin	max. 6 mm	21.5 mm	L 45	6	zinc plated
e)	248-9039.35-00000	Double bit 5mm pin	max. 6 mm	21.5 mm	L 45	6	zinc plated



DST Quarter-Turn Pr32x20 L18

See page 82





for cutout 20.1, length 18, Polyamide

**Advantages**

- 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.
- IP65 according to DIN EN 60529 by using sealing kit 209-9002.
- IP67 by using sealing kit.

**Materials**

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

Housing, PA

	Part Number	Housing length	Door-thickness	Version	Grounding type	Installation type
a)	200-9077.00-00000	18 mm	max. 8 mm	with Nut, PA		screw-on
a)	200-9003.00-00000	18 mm	max. 8 mm	with Nut, steel, zinc plated		screw-on
a)	200-9044.00-00000	18 mm	max. 8 mm	with Grounding nut, stainless steel	Grounding nut	screw-on
a)	200-9064.00-00000	18 mm	max. 8 mm	with Grounding nut (stainless steel), flat external seal, grounding clip	Grounding clip	screw-on

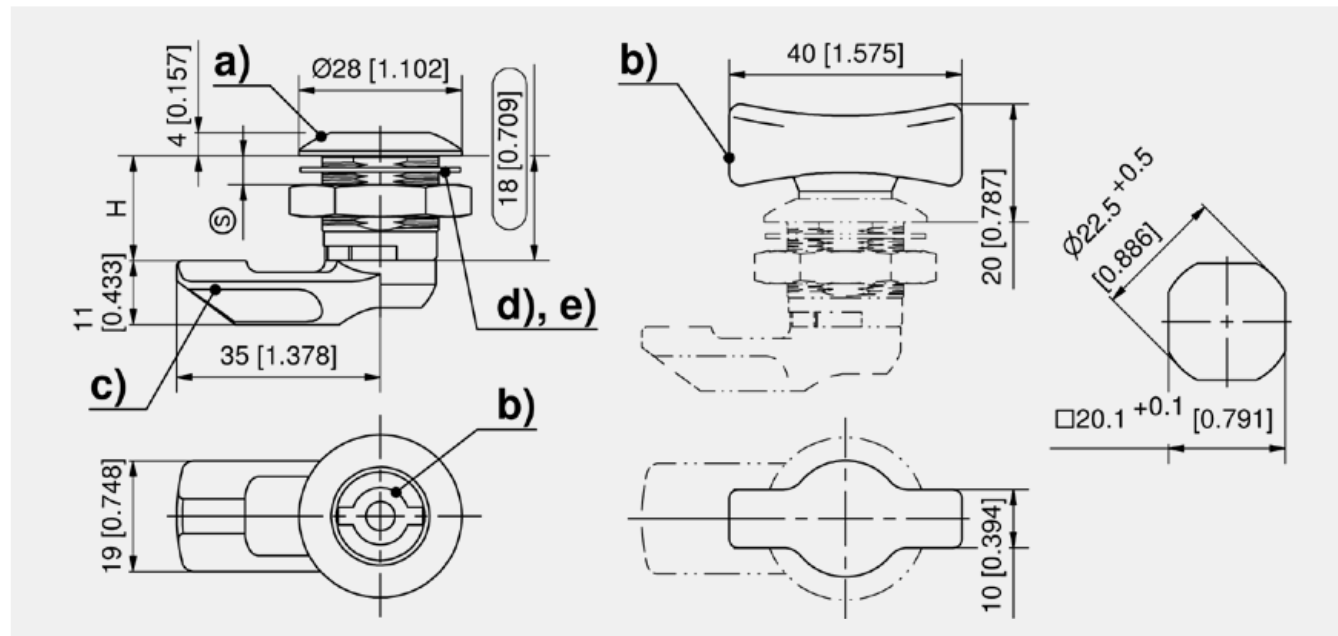
Insert with spring washer + screw

	Part Number	Insert	Material	Surface
b)	200-9155.00-00000	Square 7mm	PA	black
b)	200-9156.00-00000	Square 8mm	PA	black
b)	200-9158.00-00000	Triangular 8mm	PA	black
b)	200-9159.00-00000	Double bit 3mm pin	PA	black
b)	200-9160.00-00000	Double bit 5mm pin	PA	black
b)	200-9161.00-00000	Slotted 2x4mm	PA	black
b)	200-9173.00-00000	Wing knob	PA	black
b)	200-9184.00-00000	Crescent czech	PA	black
b)	200-9186.00-00000	Slotted recessed coinproof	PA	black

Cams PA, L45

	Part Number	H-dimension	Stop	Material	Surface
c)	200-5318.00-00000	18 mm	Yes	PA	black
c)	200-5320.00-00000	20 mm	Yes	PA	black
c)	200-5322.00-00000	22 mm	Yes	PA	black
c)	200-5325.00-00000	25 mm	Yes	PA	black
c)	200-5328.00-00000	28 mm	Yes	PA	black

Accessories	
+	c) 160 1-102 Cams L35/45 steel
Assembly options	
	200-0002.00-00000 Assembling cam with o-ring
	200-0001.00-00000 Assembling cam without o-ring
	200-0019.00-00000 Assembling cam 90° to handle without o-ring
	200-0033.00-00000 Assembling cam 90° to handle with o-ring
Function extension	
d)-e)	209-9001.00-00000 Sealing kit IP67 for 200-Quarter-Turns
d)-e)	209-9002.00-00000 Sealing kit IP65 for 200-Quarter-Turns



for cutout 20.1, length 18

**Advantages**

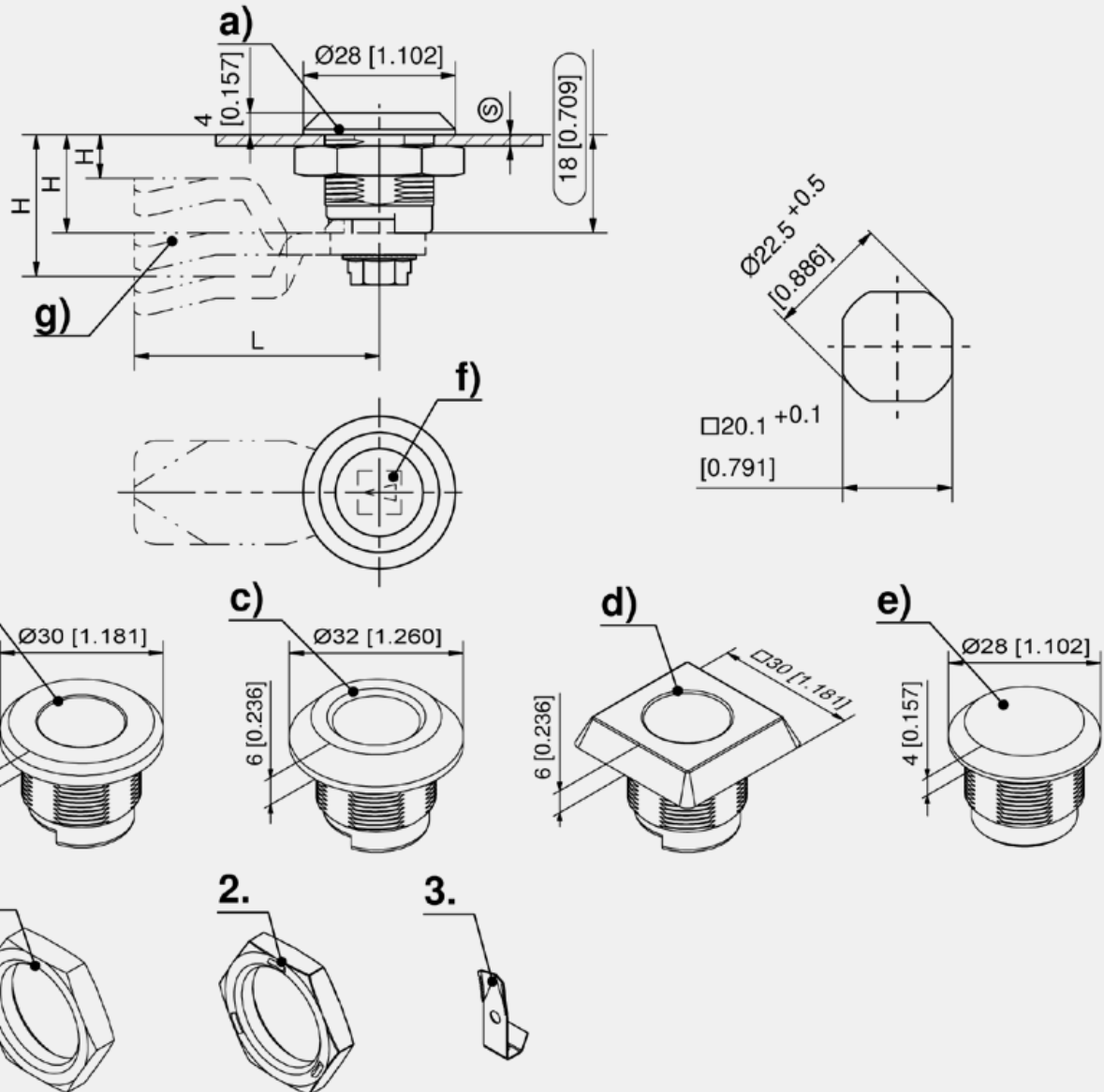
- Quarter-Turn, RH or LH application.
- The Quarter-Turn consists of three basic components a) to a4), b) and c) which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed through the cutout.
- Housings with extended bodies see product system 1-110.
- IP65 according to DIN EN 60529 by sealing kit 209-9002.00-00000.
- IP67 according to DIN EN 60529 by sealing kit 209-9001.00-00000.

**Materials**

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

**Remarks**

1. Nut
2. Grounding nut
3. Grounding clip



Quarter-Turn housing Ø28

	Part Number	Housing length	Door-thickness	Grounding type	Material	Surface	Installation type
a)	200-9001.00-00000	18 mm	max. 8 mm		zinc die	chrome plated	screw-on
a)	200-9002.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	chrome plated	screw-on
a)	200-9062.00-00000	18 mm	max. 8 mm	Grounding clip	zinc die	chrome plated	screw-on
a)	200-9048.00-00000	18 mm	max. 8 mm		zinc die	black	screw-on
a)	200-9049.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	black	screw-on
a)	200-9063.00-00000	18 mm	max. 8 mm	Grounding clip	zinc die	black	screw-on
a)	200-9004.00-00000	18 mm	max. 8 mm	Grounding clip	PA	black	screw-on

Quarter-Turn housing Ø30x4

	Part Number	Housing length	Door-thickness	Grounding type	Material	Surface	Installation type
b)	200-9045.00-00000	18 mm	max. 8 mm		zinc die	chrome plated	screw-on
b)	200-9046.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	chrome plated	screw-on
b)	200-9054.00-00000	18 mm	max. 8 mm		zinc die	black	screw-on
b)	200-9055.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	black	screw-on

Quarter-Turn housing Ø32x6

	Part Number	Housing length	Door-thickness	Grounding type	Material	Surface	Installation type
c)	200-9005.00-00000	18 mm	max. 8 mm		zinc die	chrome plated	screw-on
c)	200-9006.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	chrome plated	screw-on
c)	200-9050.00-00000	18 mm	max. 8 mm		zinc die	black	screw-on
c)	200-9051.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	black	screw-on
c)	200-9007.00-00000	18 mm	max. 8 mm		PA	black	screw-on
c)	200-9008.00-00000	18 mm	max. 8 mm	Grounding clip	PA	black	screw-on

Quarter-Turn housing 30x6

	Part Number	Housing length	Door-thickness	Grounding type	Material	Surface	Installation type
d)	200-9009.00-00000	18 mm	max. 8 mm		zinc die	chrome plated	screw-on
d)	200-9010.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	chrome plated	screw-on
d)	200-9052.00-00000	18 mm	max. 8 mm		zinc die	black	screw-on
d)	200-9053.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	black	screw-on

Blind housing Ø28x4

	Part Number	Housing length	Door-thickness	Material	Surface	Installation type
e)	235-9209.00-00000	18 mm	max. 8 mm	zinc die	black	screw-on

Accessories	
f)	156 1-101 Inserts Pr20.1
	171 1-115 Handle for Quarter-Turn
	174 1-270 Dust Caps and Sealing Plug Pr20.1
	173 1-275 Emergency Handle + Anti-Rotation Device Pr20.1
	175 1-270.01 Finger Pull for Quarter-Turn Pr20.1
	758 6-100 Key
g)	160 1-102 Cams L35/45 steel
g1)	166 1-260 Hooked Cam
g1)	167 1-261 Cams with Ramp
g1)	167 1-262 Cam variable

Assembly options	
	200-0002.00-00000 Assembling cam with o-ring
	200-0001.00-00000 Assembling cam without o-ring
	200-0019.00-00000 Assembling cam 90° to handle without o-ring
	200-0033.00-00000 Assembling cam 90° to handle with o-ring

Function extension	
	209-9001.00-00000 Sealing kit IP67 for 200-Quarter-Turns
	209-9002.00-00000 Sealing kit IP65 for 200-Quarter-Turns

Quarter-Turns

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**Advantages**

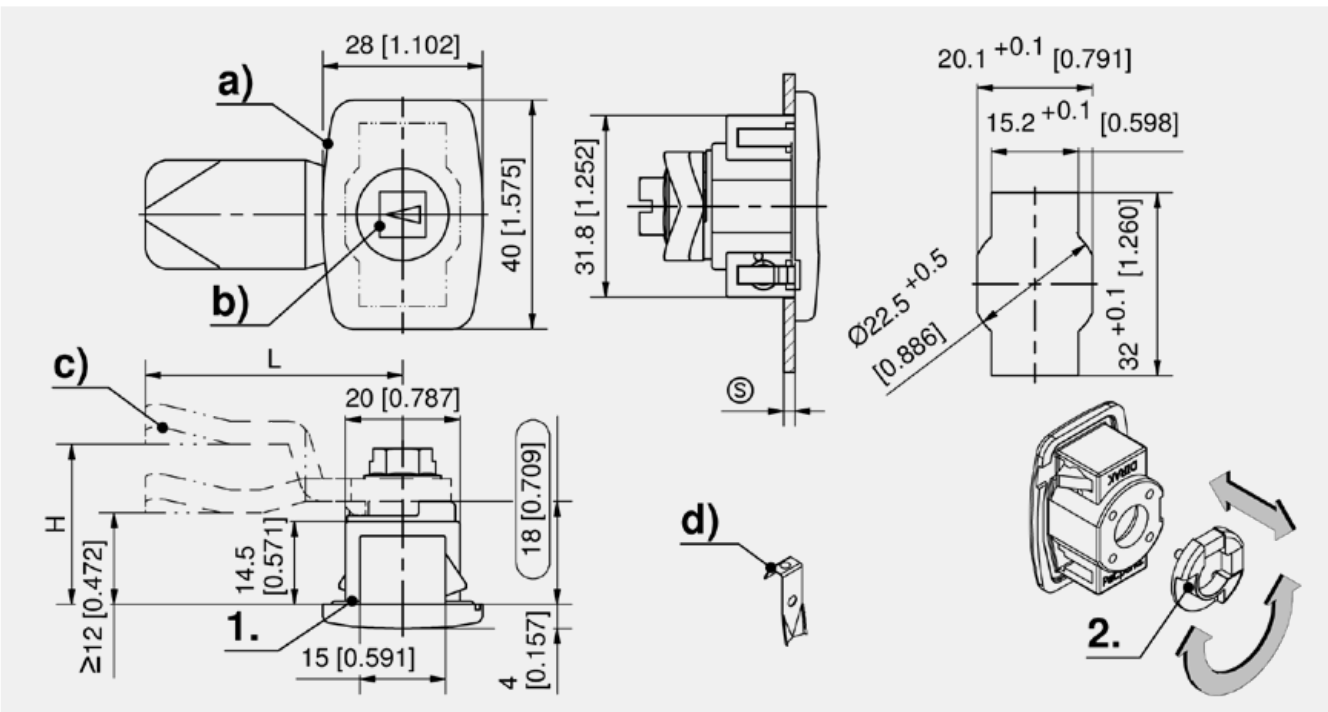
- Flush Quarter-Turn for clip-in installation into cutout 32x20.1mm.
- Tool-less installation.
- Vibration-proof installation.
- Blind installation.
- Rectangular cutout guarantees a perfect alignment.
- LH and RH application (bottom with 90°-stop can be rotated).
- Pre-assembly RH/LH upon request.
- IP65 according to DIN EN 60529 (o-ring for housing is included). O-ring 200-1001.00-00000, for insert, please order separately.
- Grounding by grounding clip.

**Materials**

- **Housing:** PA, black or zinc die, chrome plated
- **Snap wedges:** sintered steel
- **O-Ring:** NBR, black

**Remarks**

- Attention:** H-dimension of the cam not less than ≥12mm (0.472)!
1. O-ring
  2. rotatable bottom for RH/LH



Quarter-Turns

Part Number	Clamping range	Material	Surface	Grounding type
a) 406-9005.00-00013	1.0 - 1.7 mm	PA	black	Grounding clip
a) 406-9005.00-00016	1.3 - 2.0 mm	PA	black	Grounding clip
a) 406-9005.00-00018	1.5 - 2.2 mm	PA	black	Grounding clip
a) 406-9005.00-00021	1.8 - 2.5 mm	PA	black	Grounding clip
a) 406-9005.00-00026	2.3 - 3.0 mm	PA	black	Grounding clip
a) 406-9005.00-00031	2.8 - 3.5 mm	PA	black	Grounding clip
a) 406-9006.00-00013	1.0 - 1.7 mm	zinc die	chrome plated	Grounding clip
a) 406-9006.00-00016	1.3 - 2.0 mm	zinc die	chrome plated	Grounding clip
a) 406-9006.00-00018	1.5 - 2.2 mm	zinc die	chrome plated	Grounding clip
a) 406-9006.00-00021	1.8 - 2.5 mm	zinc die	chrome plated	Grounding clip
a) 406-9006.00-00026	2.3 - 3.0 mm	zinc die	chrome plated	Grounding clip
a) 406-9006.00-00031	2.8 - 3.5 mm	zinc die	chrome plated	Grounding clip

Accessories
b) 156 1-101 Inserts Pr20.1
c) 160 1-102 Cams L35/45 steel
c) 167 1-262 Cam variable

Function extension
200-1001.00-00000 O-ring 12 x 2.0mm
d) 200-1101.04-00000 Grounding clip

Quarter-Turns

- 
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**stainless steel AISI 303 or 316L**

**Advantages**

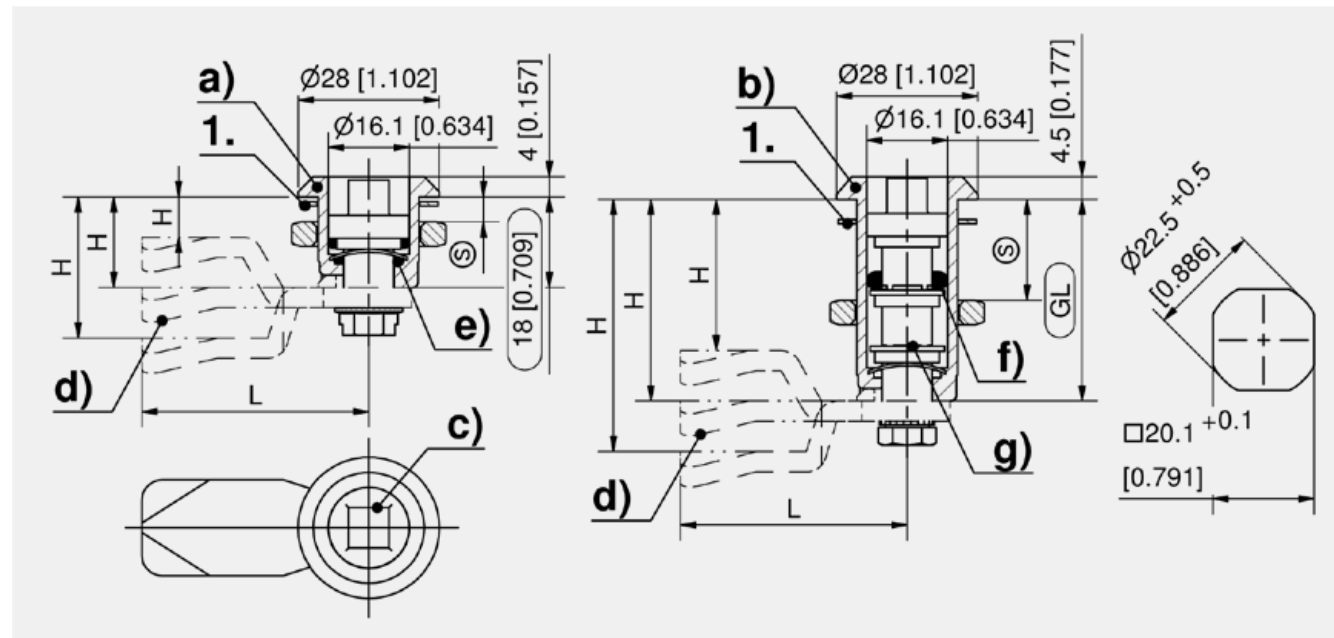
- Please configure the Quarter-Turn with insert and cam.
- Housing L18 is water- and dust-tight according to IP65 DIN EN 60529. It can reach IP67 DIN EN 60529 by additional o-ring (200-1002.00-00000).
- Housings L30 to L60 can reach IP65/67 DIN EN 60529 by additional o-ring (839-3771.00-00935).
- Adapter sets can consist of one more separate extensions.
- A pre-assembled Quarter-Turn can be installed through the cutout.

**Materials**

- **Housing:** stainless steel AISI 303 or AISI 316L
- **Grounding nut:** stainless steel AISI 316L
- **Adapter:** stainless steel AISI 316
- **Flat external seal and o-ring:** NBR

**Remarks**

1. Flat external seal



Housing with flat seal and grounding nut

Part Number	Housing length	Door-thickness	suitable Adapter set	Grounding type	Material	Version	Installation type
a) 200-9043.00-00000	18 mm	max. 8 mm		Grounding nut	Stainless Steel	AISI 316L	screw-on
b) 200-9072.00-00000	30 mm	max. 20 mm	L14	Grounding nut	Stainless Steel	AISI 303	screw-on
b) 100-9024.00-00000	36 mm	max. 26 mm	L21	Grounding nut	Stainless Steel	AISI 303	screw-on
b) 200-9073.00-00000	40 mm	max. 30 mm	L24	Grounding nut	Stainless Steel	AISI 303	screw-on
b) 200-9074.00-00000	50 mm	max. 40 mm	L33	Grounding nut	Stainless Steel	AISI 303	screw-on
b) 200-9075.00-00000	60 mm	max. 50 mm	L45	Grounding nut	Stainless Steel	AISI 303	screw-on

Accessories
c) 158 7-082 Insert Stainless Steel Pr20.1
174 1-270 Dust Caps and Sealing Plug Pr20.1
175 1-270.01 Finger Pull for Quarter-Turn Pr20.1
758 6-100 Key
d) 162 7-105 Cams L35/45 stainless steel
e) 200-1002.00-00000 O-ring 10 x 2.0mm

Accessories
f) 839-3771.00-00935 O-ring 9 x 3.5mm
g) 100-9019.00-00000 Adapter set L14
g) 100-9020.00-00000 Adapter set L21
g) 100-9022.00-00000 Adapter set L33
g) 100-9021.00-00000 Adapter set L24
g) 100-9023.00-00000 Adapter set L45

Assembly options
200-0002.00-00000 Assembling cam with o-ring





for cutout 20.1, lengths 30/40/50/60

**Advantages**

- Quarter-Turn with extended housings.
- RH / 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.
- IP65 according to DIN EN 60529 by sealing kit.

**Materials**

- **Housing:** zinc die, chrome plated or black
- **Nuts:** steel, zinc plated
- **Grounding nut and adapter:** zinc die, untreated

**Remarks**

1. nut
2. grounding nut

Quarter-Turn, zinc die, chrome plated

	Part Number	Housing length	suitable Adapter set	Door-thickness	Grounding type	Installation type
a)	200-9011.00-00000	30 mm	L20	max. 20 mm		screw-on
a)	200-9012.00-00000	30 mm	L20	max. 20 mm	Grounding nut	screw-on
a)	200-9015.00-00000	36 mm	L26	max. 26 mm		screw-on
a)	200-9016.00-00000	36 mm	L26	max. 26 mm	Grounding nut	screw-on
a)	200-9019.00-00000	40 mm	L30	max. 30 mm		screw-on
a)	200-9020.00-00000	40 mm	L30	max. 30 mm	Grounding nut	screw-on
a)	200-9023.00-00000	50 mm	L40	max. 40 mm		screw-on
a)	200-9024.00-00000	50 mm	L40	max. 40 mm	Grounding nut	screw-on
a)	200-9027.00-00000	60 mm	L50	max. 50 mm		screw-on
a)	200-9028.00-00000	60 mm	L50	max. 50 mm	Grounding nut	screw-on

Quarter-Turn, zinc die, black

	Part Number	Housing length	suitable Adapter set	Door-thickness	Grounding type	Installation type
a)	200-9013.00-00000	30 mm	L20	max. 20 mm		screw-on
a)	200-9014.00-00000	30 mm	L20	max. 20 mm	Grounding nut	screw-on
a)	200-9017.00-00000	36 mm	L26	max. 26 mm		screw-on
a)	200-9018.00-00000	36 mm	L26	max. 26 mm	Grounding nut	screw-on
a)	200-9021.00-00000	40 mm	L30	max. 30 mm		screw-on
a)	200-9022.00-00000	40 mm	L30	max. 30 mm	Grounding nut	screw-on
a)	200-9025.00-00000	50 mm	L40	max. 40 mm		screw-on
a)	200-9026.00-00000	50 mm	L40	max. 40 mm	Grounding nut	screw-on
a)	200-9029.00-00000	60 mm	L50	max. 50 mm		screw-on
a)	200-9030.00-00000	60 mm	L50	max. 50 mm	Grounding nut	screw-on

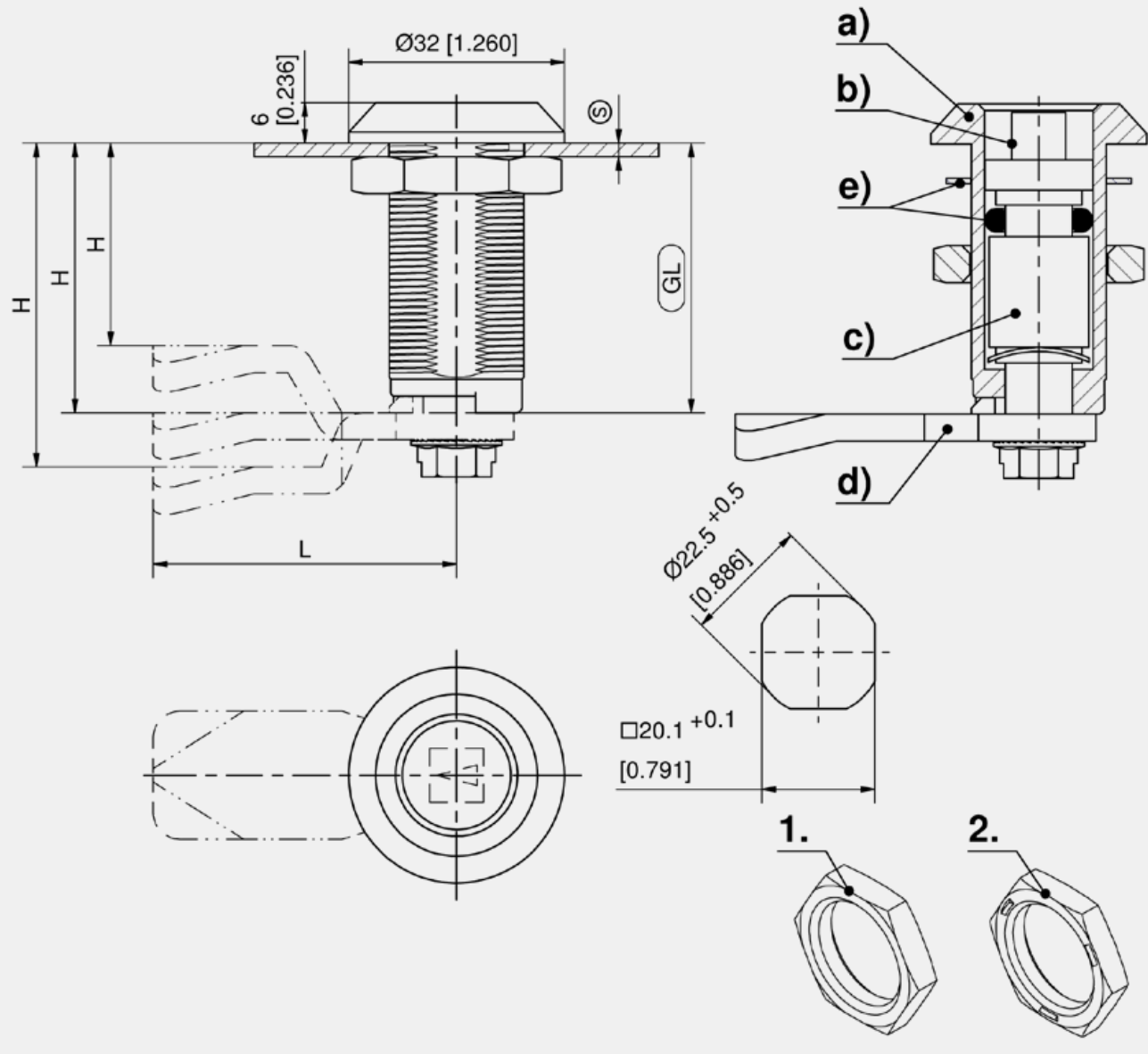
Accessories	
b)	156 1-101 Inserts Pr20.1
	171 1-115 Handle for Quarter-Turn
	174 1-270 Dust Caps and Sealing Plug Pr20.1
	173 1-275 Emergency Handle + Anti-Rotation Device Pr20.1
	175 1-270.01 Finger Pull for Quarter-Turn Pr20.1
	758 6-100 Key
d)	160 1-102 Cams L35/45 steel
d1)	166 1-260 Hooked Cam
d1)	167 1-262 Cam variable
d1)	168 1-264 Slam-Cam
c)	200-9031.00-00000 Adapter set L20
c)	200-9032.00-00000 Adapter set L26
c)	200-9033.00-00000 Adapter set L30
c)	200-9034.00-00000 Adapter set L40
c)	200-9035.00-00000 Adapter set L50

Assembly options	
	200-0019.00-00000 Assembling cam 90° to handle without o-ring
	200-0004.00-00000 Assembling adapter, with o-ring
	200-0033.00-00000 Assembling cam 90° to handle with o-ring
	200-0003.00-00000 Assembling adapter without o-ring

Function extension	
e)	209-9006.00-00000 Sealing kit IP65/IP67 for Quarter-Turns L30-60



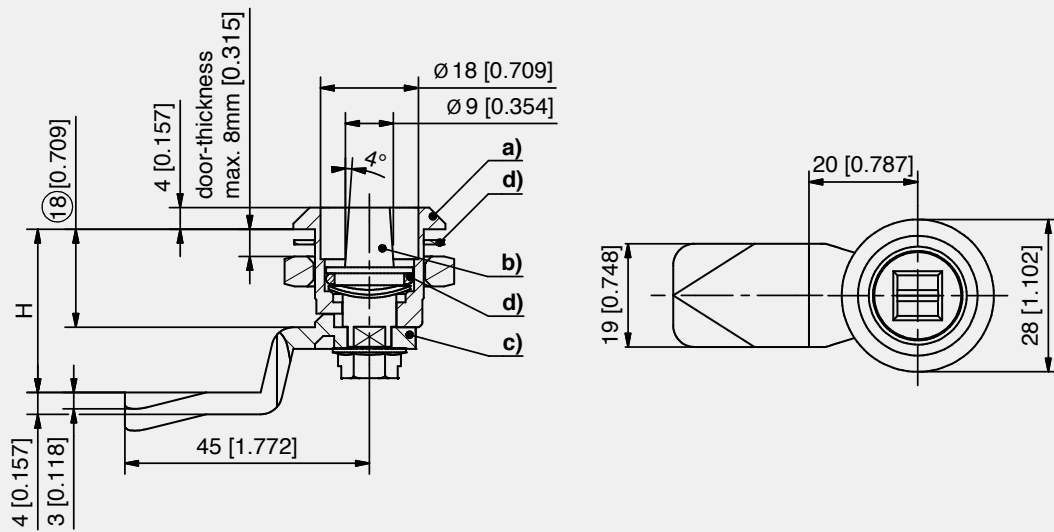


**Advantages**

- Quarter-Turn with conical square insert, operated by a so-called "Bern" key.
- RH / LH application.
- This Quarter-Turn consists of three basic parts which can be combined to suit your application.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- On request parts can be assembled by DIRAK.
- IP65 according to DIN EN 60529 by sealing kit.

**Materials**

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



Quarter-Turn housing

Part Number	Housing length	Material	Surface
a) 200-9065.00-00000	18 mm	zinc die	chrome plated
a) 200-9086.00-00000	18 mm	zinc die	black

Inserts

Part Number	Insert	Material	Surface
b) 200-9138.00-00000	Conical square 9mm	zinc die	chrome plated
b) 200-9175.00-00000	Conical square 9mm	steel	zinc plated

**+** Accessories

c) 160	1-102 Cams L35/45 steel
c) 167	1-262 Cam variable

**+** Assembly options

200-0002.00-00000	Assembling cam with o-ring
200-0001.00-00000	Assembling cam without o-ring

**\*** Function extension

d) 209-9002.00-00000	Sealing kit IP65 for 200-Quarter-Turns
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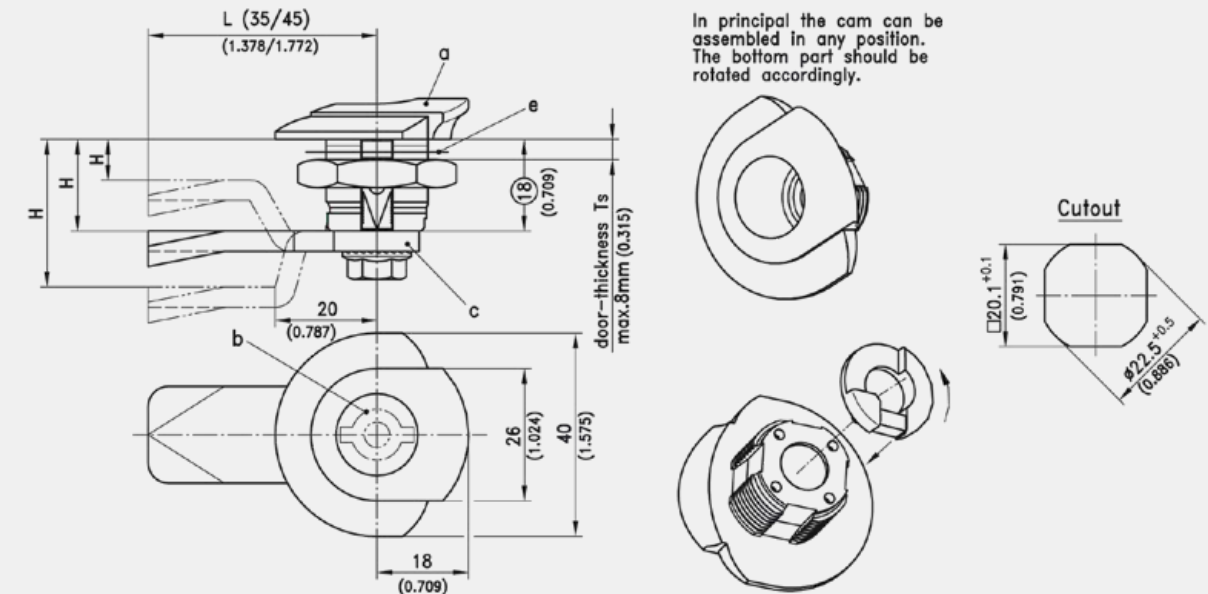


**Advantages**

- Quarter-Turn SOFTLINE with integrated finger pull.
- RH / 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.
- IP65 according to DIN EN 60529 by sealing kit 209-9002.00-00000.
- IP67 according to DIN EN 60529 by sealing kit 209-9001.00-00000.

**Materials**

- a)
    - **Housing:** PA6, black
    - **Bottom:** zinc die, zinc plated
- Remarks**
- Note:** Wing or star knob not usable.



Quarter-Turns

Part Number	Housing length	Door-thickness	Grounding type	Material	Surface	Installation type
a) 100-9007.00-00000	18 mm	max. 8 mm		PA	black	screw-on
a) 100-9008.00-00000	18 mm	max. 8 mm	Grounding clip	PA	black	screw-on

**+** Accessories

b) 156	1-101 Inserts Pr20.1
c) 160	1-102 Cams L35/45 steel
c) 167	1-261 Cams with Ramp
c) 167	1-262 Cam variable
c) 168	1-264 Slam-Cam

**\*** Function extension

209-9001.00-00000	Sealing kit IP67 for 200-Quarter-Turns
209-9002.00-00000	Sealing kit IP65 for 200-Quarter-Turns

**+** Assembly options

200-0069.00-00000	Assembling with o-ring, LH version
200-0068.00-00000	Assembling without o-ring, LH version
200-0067.00-00000	Assembling with o-ring, RH version
200-0066.00-00000	Assembling without o-ring, RH version



**Advantages**

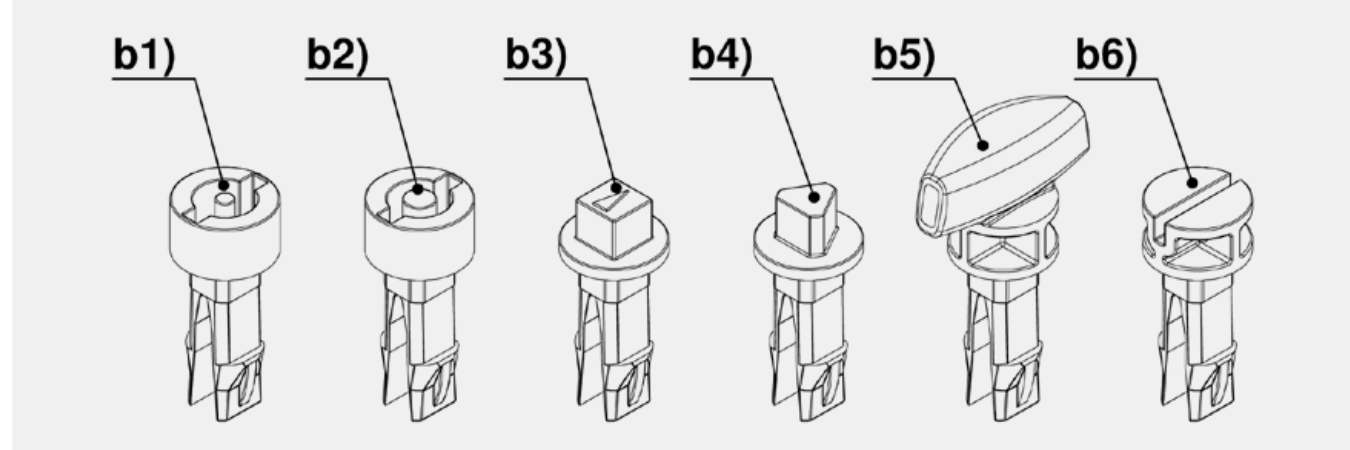
- Double insulated polyamide Quarter-Turn.
- With moulded-in TPE seal (under the head and inside the housing).
- The TPE seal is permanently fixed in the PA-housing, thus ensuring that it cannot be lost.
- IP65/67 according to DIN EN 60529.
- IP69K according to DIN 40050.
- Please configure the Quarter-Turn with nut, insert and cam.
- Insert and cam can be clipped together without tools before the installation in the housing.
- A pre-assembled Quarter-Turn can be installed through the cutout.
- RH / LH application.

**Materials**

- **Housing, nut, insert and cam:** PA6, black
- **Seal:** TPE, red

**Remarks**

(S) = max. 8 mm.



Quarter-Turn housing 2K

	Part Number	Housing length	Material	Surface	Captive seal
a)	200-0211.07-07701	18 mm	PA	black	Yes

Insert 2K

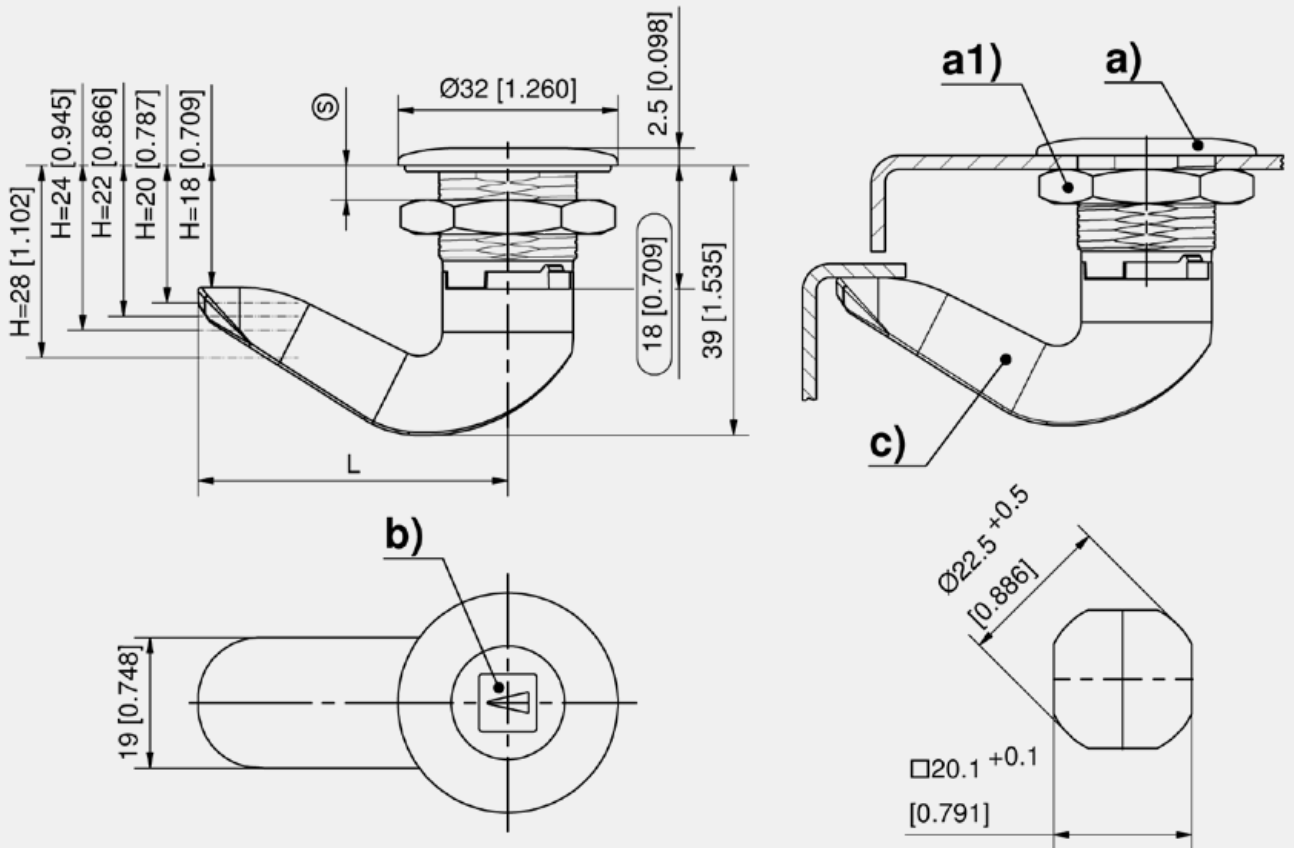
	Part Number	Insert	Material	Surface
b1)	100-0388.50-07705	Double bit 3mm pin	PA	black
b2)	100-0388.50-07701	Double bit 5mm pin	PA	black
b3)	100-0388.50-07702	Square 8mm	PA	black
b4)	100-0388.50-07703	Triangular 8mm	PA	black
b5)	100-0388.50-07707	Wing knob	PA	black
b6)	100-0388.50-07704	Slotted 2x4mm	PA	black

Cams 2K, L45

	Part Number	H-dimension	Stop	Material	Surface
c)	200-0769.50-07718	18 mm	Yes	PA	black
c)	200-0769.50-07720	20 mm	Yes	PA	black
c)	200-0769.50-07722	22 mm	Yes	PA	black
c)	200-0769.50-07724	24 mm	Yes	PA	black
c)	200-0769.50-07728	28 mm	Yes	PA	black

Specific accessories	
a1)	203-0901.03-00000 Nut

Accessories	
174	1-270 Dust Caps and Sealing Plug Pr20.1
173	1-275 Emergency Handle + Anti-Rotation Device Pr20.1
175	1-270.01 Finger Pull for Quarter-Turn Pr20.1







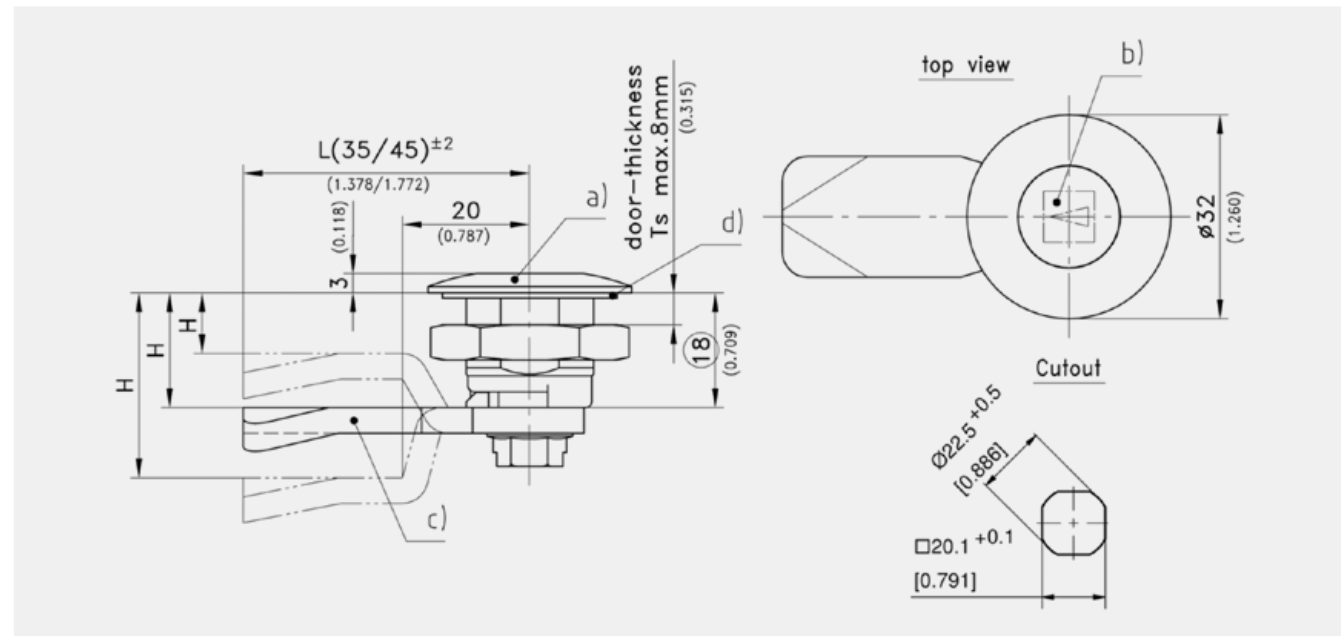
**Specially low profile Quarter-Turn**

**Advantages**

- RH / LH application.
- Please configure the Quarter-turn with insert and cam.
- On request parts can be assembled.
- A pre-assembled Quarter-turn can be installed through the cutout.
- Grounding by grounding nut or grounding clip.
- IP65 according to DIN EN 60529 by sealing kit 209-9002.
- IP67 according to DIN EN 60529 by sealing kit 209-9001.

**Materials**

- **Housing:** zinc die, chrome plated or black
- **Nut:** steel, zinc plated
- **Grounding nut:** zinc die, untreated
- **Grounding clip:** stainless steel



Quarter-Turn housing Ø32

	Part Number	Housing length	Door-thickness	Grounding type	Material	Surface	Installation type
a)	100-9053.00-00000	18 mm	max. 8 mm		zinc die	chrome plated	screw-on
a)	100-9054.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	chrome plated	screw-on
a)	100-9055.00-00000	18 mm	max. 8 mm	Grounding clip	zinc die	chrome plated	screw-on
a)	100-9056.00-00000	18 mm	max. 8 mm		zinc die	black	screw-on
a)	100-9057.00-00000	18 mm	max. 8 mm	Grounding nut	zinc die	black	screw-on
a)	100-9058.00-00000	18 mm	max. 8 mm	Grounding clip	zinc die	black	screw-on

Accessories	
b)	156 1-101 Inserts Pr20.1
	171 1-115 Handle for Quarter-Turn
	174 1-270 Dust Caps and Sealing Plug Pr20.1
	173 1-275 Emergency Handle + Anti-Rotation Device Pr20.1
	175 1-270.01 Finger Pull for Quarter-Turn Pr20.1
	758 6-100 Key
c)	160 1-102 Cams L35/45 steel
c1)	166 1-260 Hooked Cam
c1)	167 1-261 Cams with Ramp
c1)	167 1-262 Cam variable

Assembly options	
	200-0002.00-00000 Assembling cam with o-ring
	200-0001.00-00000 Assembling cam without o-ring
Function extension	
d)	209-9001.00-00000 Sealing kit IP67 for 200-Quarter-Turns
d)	209-9002.00-00000 Sealing kit IP65 for 200-Quarter-Turns



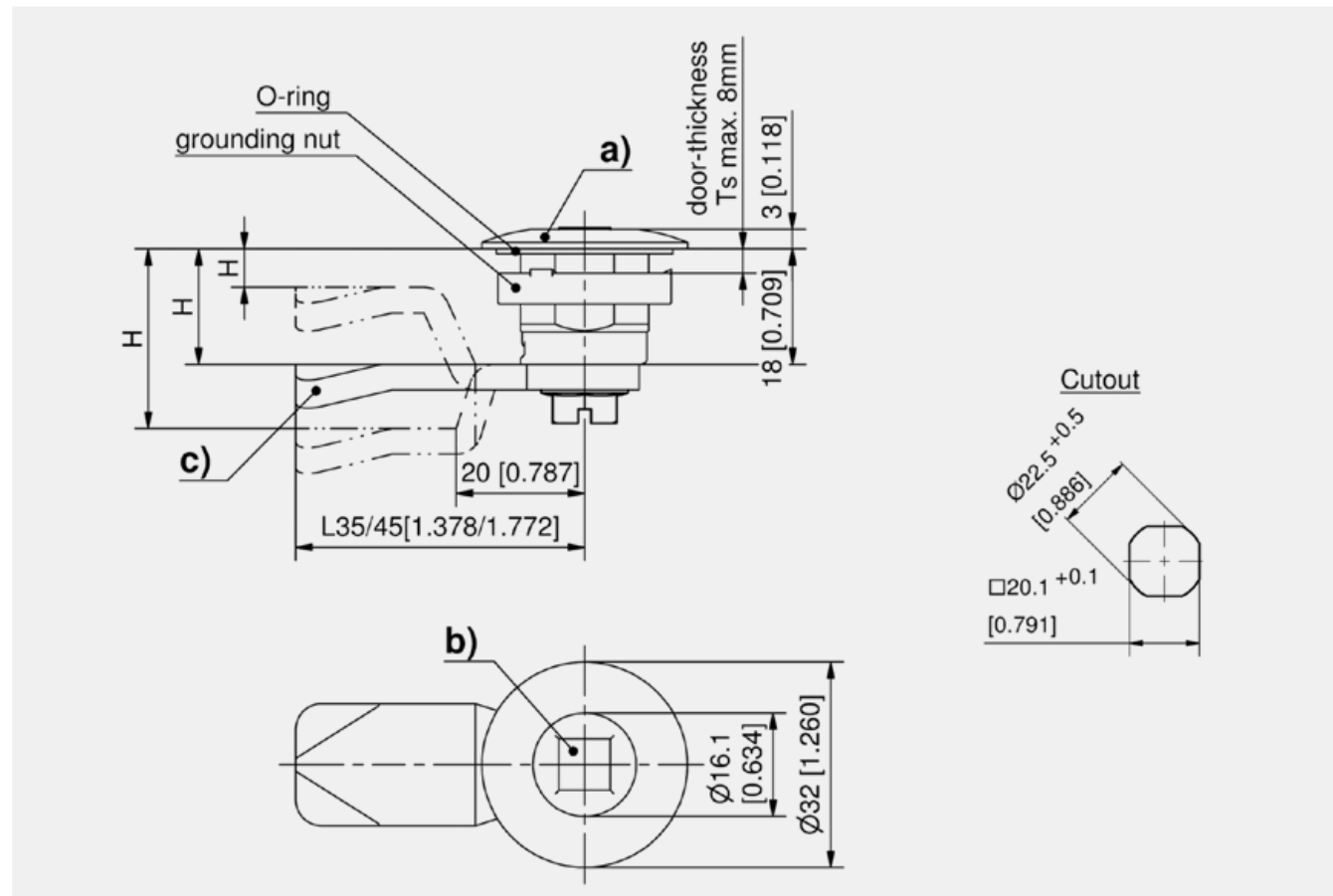
**stainless steel AISI 316, low profile Quarter-Turn**

**Advantages**

- RH / LH application.
- Please configure the Quarter-turn with insert and cam.
- On request parts can be assembled.
- The Quarter-Turn, stainless steel, can be screwed into the cutout with the preassembled cam.
- IP65 according to DIN EN 60529.
- IP67 according to DIN 60529 and IP69K according to DIN 40050 by: additional o-ring 200-1002.
- (S) = max. 8 mm.

**Materials**

- **Housing:** stainless steel AISI 316
- **Insert:** stainless steel AISI 316
- **Cams and serrated screw:** stainless steel AISI 304
- **O-Rings:** NBR
- **Grounding nut:** stainless steel AISI 316L



Quarter-Turns

	Part Number	Housing length	Door-thickness	Grounding type	Material	Installation type
a)	100-9601.00-00000	18 mm	max. 8 mm	Grounding nut	Stainless Steel	screw-on

Accessories	
b)	158 7-082 Insert Stainless Steel Pr20.1
	758 6-100 Key
c)	162 7-105 Cams L35/45 stainless steel
	200-1002.00-00000 O-ring 10 x 2.0mm

Assembly options	
	200-0002.00-00000 Assembling cam with o-ring

Elegant and particularly flat Quarter-Turn

Advantages

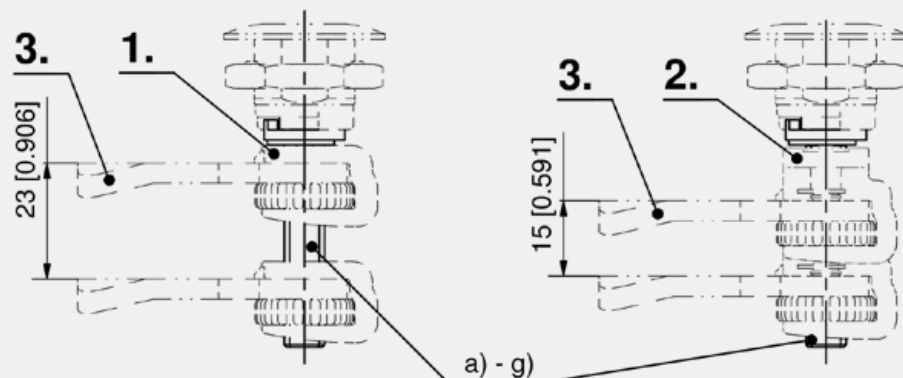
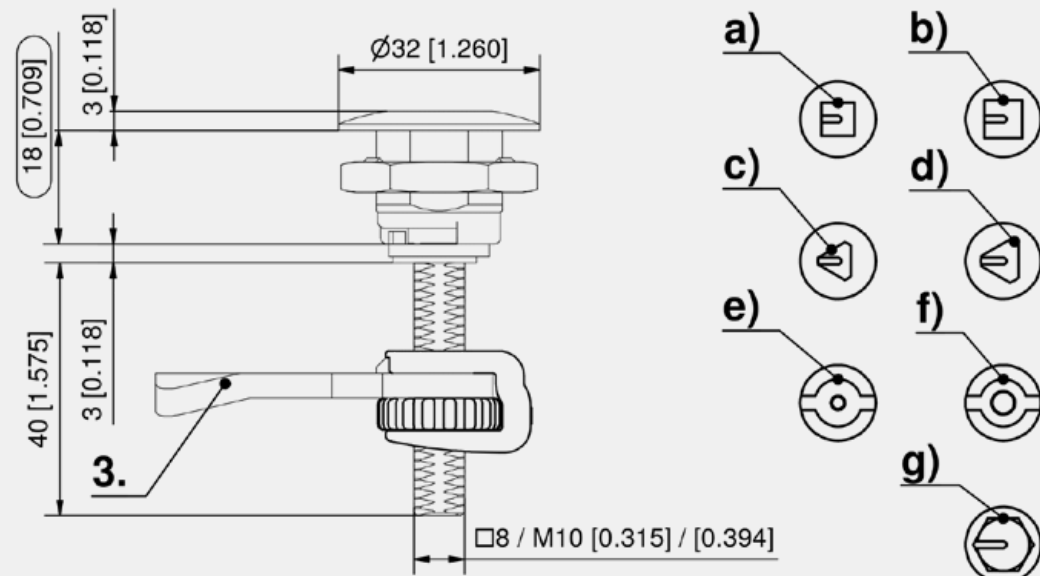
- RH / LH application.
- Square threaded rod 40mm.
- Adjustability of the cam by the catch for standard cams 2-151.02 and 3-point cam with knurled wheel 2-151.01.
- Grounding by grounding nut or clip.
- IP65 according to DIN EN 60529. (included in the scope of delivery)

Materials

- **Housing:** zinc die, chrome plated
- **Insert:** zinc die, chrome plated
- **Nut:** steel, zinc plated
- **Grounding nut:** zinc die, zinc plated
- **Grounding clip:** stainless steel

Remarks

- Pre-assembled **without** cam
- 1. = 2-151.02
- 2. = 2-151.01
- 3. = Cam



Quarter-Turn with insert

	Part Number	Insert	Grounding type	Housing length	Material	Surface
a)	100-9801.00-11940	Square 7mm		18 mm	zinc die	chrome plated
b)	100-9801.00-12040	Square 8mm		18 mm	zinc die	chrome plated
c)	100-9801.00-12140	Triangular 7mm		18 mm	zinc die	chrome plated
d)	100-9801.00-12240	Triangular 8mm		18 mm	zinc die	chrome plated
e)	100-9801.00-12340	Double bit 3mm pin		18 mm	zinc die	chrome plated
f)	100-9801.00-12440	Double bit 5mm pin		18 mm	zinc die	chrome plated
g)	100-9801.00-12540	Hex.SW 11		18 mm	zinc die	chrome plated
a)	100-9802.00-11940	Square 7mm	Grounding nut	18 mm	zinc die	chrome plated
b)	100-9802.00-12040	Square 8mm	Grounding nut	18 mm	zinc die	chrome plated
c)	100-9802.00-12140	Triangular 7mm	Grounding nut	18 mm	zinc die	chrome plated
d)	100-9802.00-12240	Triangular 8mm	Grounding nut	18 mm	zinc die	chrome plated
e)	100-9802.00-12340	Double bit 3mm pin	Grounding nut	18 mm	zinc die	chrome plated
f)	100-9802.00-12440	Double bit 5mm pin	Grounding nut	18 mm	zinc die	chrome plated
g)	100-9802.00-12540	Hex.SW 11	Grounding nut	18 mm	zinc die	chrome plated
a)	100-9803.00-11940	Square 7mm	Grounding clip	18 mm	zinc die	chrome plated
b)	100-9803.00-12040	Square 8mm	Grounding clip	18 mm	zinc die	chrome plated
c)	100-9803.00-12140	Triangular 7mm	Grounding clip	18 mm	zinc die	chrome plated
d)	100-9803.00-12240	Triangular 8mm	Grounding clip	18 mm	zinc die	chrome plated
e)	100-9803.00-12340	Double bit 3mm pin	Grounding clip	18 mm	zinc die	chrome plated
f)	100-9803.00-12440	Double bit 5mm pin	Grounding clip	18 mm	zinc die	chrome plated
g)	100-9803.00-12540	Hex.SW 11	Grounding clip	18 mm	zinc die	chrome plated

Accessories	
+	191 1-191 Height-adjustable Rod Guide with Knurled Nut
	186 1-170 Round Rod with Eye
	187 1-180 Round Rods for Adapter
	758 6-100 Key
	160 1-102 Cams L35/45 steel
	183 2-151.01 3-Point Cam Adapter adjustable
	178 2-151.02 Catch for standard Cams

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stainless steel AISI 316L, elegant, low profile Quarter-Turn with housing lengths 18, 30, 36 and 50mm and marked red/green (padlock) on the housing top

**Advantages**

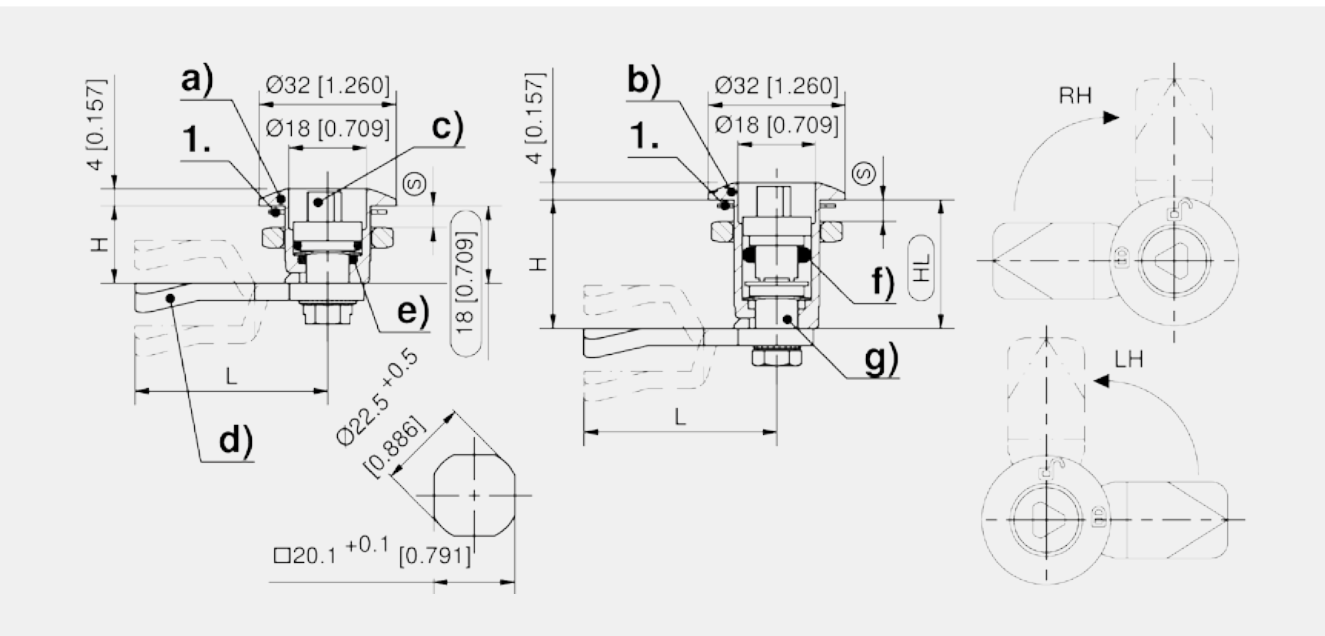
- Please configure the Quarter-Turn with insert and cam.
- Housing L18 is water- and dust-tight according to IP65 DIN EN 60529. It can reach IP67 DIN EN 60529 by additional O-ring (200-1002.00-00000).
- Housings L30 to L50 can reach IP65/67 DIN EN 60529 by additional O-ring (839-3771.00-00935).
- Adapter sets can consist of one or more separate extensions.
- A pre-assembled Quarter-Turn can be installed through the cutout.

**Materials**

- **Housing, insert, grounding nut:** stainless steel AISI 316L
- **Flat external seal:** NBR

**Remarks**

- 1. = Flat external seal
- c) = Insert
- d) = Cam
- e) = O-ring 10 x 2.0 mm
- f) = O-ring 9 x 3.5 mm
- g) = Adapter set



Housing with latched / unlatched indicator, flat seal and grounding nut

Part Number	Housing length	Door-thickness	Version	suitable Adapter set	Grounding type	Material
a) 100-9092.RH-00000	18 mm	max. 8 mm	RH		Grounding nut	Stainless Steel
a) 100-9092.LH-00000	18 mm	max. 8 mm	LH		Grounding nut	Stainless Steel
b) 100-9093.RH-00000	30 mm	max. 20 mm	RH	L14	Grounding nut	Stainless Steel
b) 100-9093.LH-00000	30 mm	max. 20 mm	LH	L14	Grounding nut	Stainless Steel
b) 100-9094.RH-00000	36 mm	max. 26 mm	RH	L21	Grounding nut	Stainless Steel
b) 100-9094.LH-00000	36 mm	max. 26 mm	LH	L21	Grounding nut	Stainless Steel
b) 100-9095.RH-00000	50 mm	max. 40 mm	RH	L33	Grounding nut	Stainless Steel
b) 100-9095.LH-00000	50 mm	max. 40 mm	LH	L33	Grounding nut	Stainless Steel

Accessories	
c) 158	7-082 Insert Stainless Steel Pr20.1
d) 162	7-105 Cams L35/45 stainless steel
e)	200-1002.00-00000 O-ring 10 x 2.0mm
f)	839-3771.00-00935 O-ring 9 x 3.5mm
g)	100-9019.00-00000 Adapter set L14
g)	100-9020.00-00000 Adapter set L21
g)	100-9022.00-00000 Adapter set L33

Assembly options	
h)	200-0002.00-00000 Assembling cam with o-ring
h)	200-0004.00-00000 Assembling adapter, with o-ring

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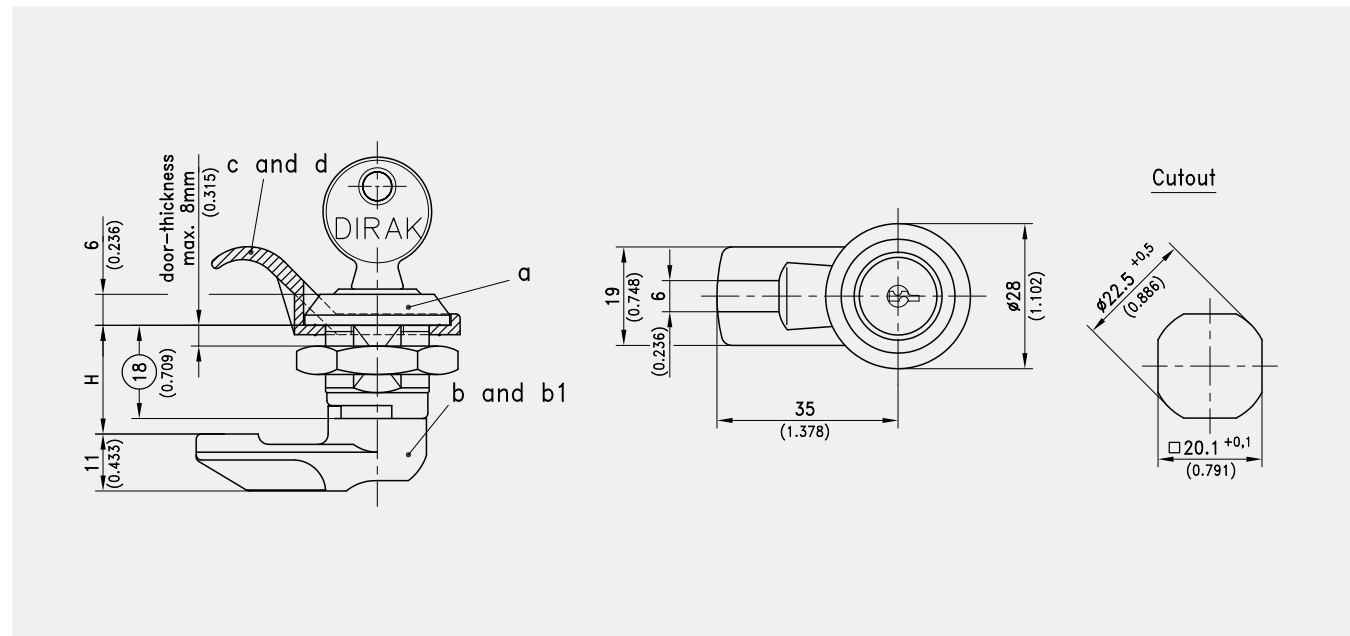


**Advantages**

- Polyamide Cylinder Quarter-Turn double insulated and vibration-proof.
- RH / LH application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- All locks supplied with two keys.
- IP65 according to DIN EN 60529 by dust cap 200-4101.
- IP65/67 according to DIN EN 60529 by dust cap 200-4103.

**Materials**

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



Quarter-Turn with cylinder

Part Number	Latching type	Housing length	Door-thickness	Version	Material	Surface
a) 200-9210.00-00000	keyed alike DIRAK 1333	18 mm	max. 8 mm	Nut, PA	PA	black
a) 200-9211.00-00000	keyed alike DIRAK 1333	18 mm	max. 8 mm	Nut, steel, zinc plated	PA	black
a) 200-9212.00-00000	keyed alike DIRAK 1333	18 mm	max. 8 mm	Nut, stainless steel	PA	black
a) 200-9213.00-00000	keyed different	18 mm	max. 8 mm	Nut, PA	PA	black
a) 200-9214.00-00000	keyed different	18 mm	max. 8 mm	Nut, steel, zinc plated	PA	black
a) 200-9215.00-00000	keyed different	18 mm	max. 8 mm	Nut, stainless steel	PA	black

Accessories	
78	1-095 Quarter-Turn Polyamide Pr20.1 L18
c) 175	1-270.01 Finger Pull for Quarter-Turn Pr20.1
b) 160	1-102 Cams L35/45 steel
b) 166	1-260 Hooked Cam
d) 174	200-4101.00-00000 Dust cap
d) 174	200-4103.00-00000 Dust cap

Assembly options	
200-0001.00-00000	Assembling cam without o-ring





**Advantages**

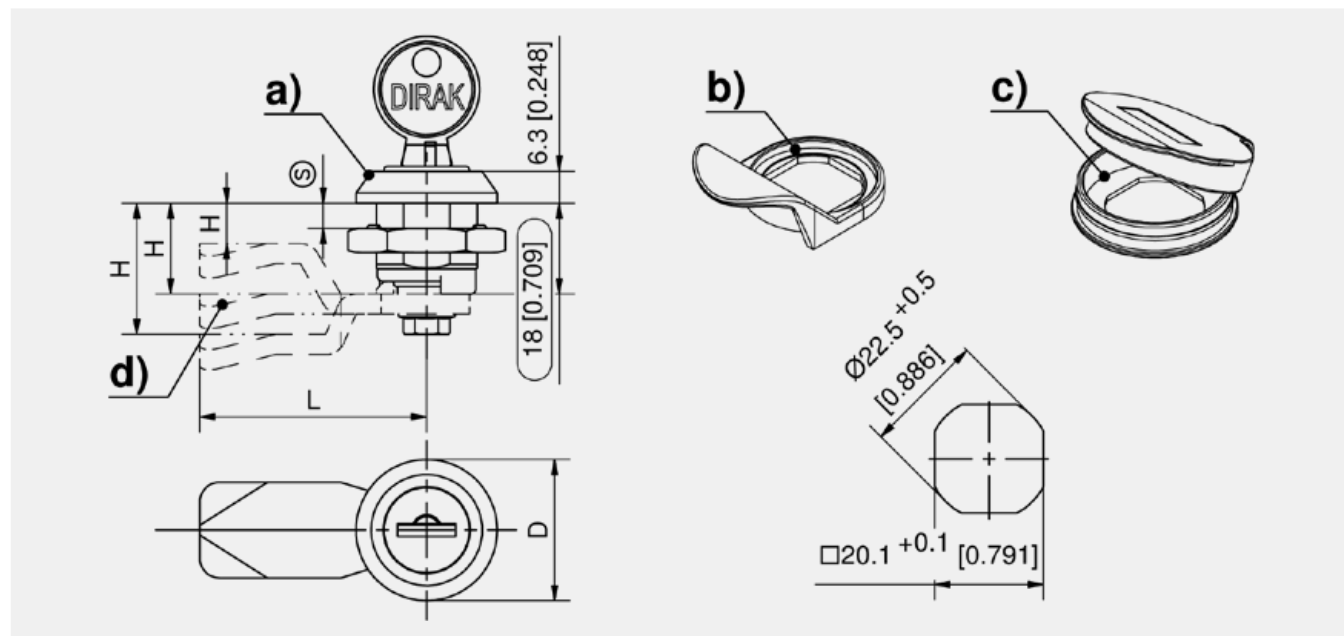
- Cylinder Quarter-Turn.
- RH / LH application.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- All locks supplied with two keys.
- IP65 according to DIN EN 60529 by Dust cap 200-4101.
- IP65/IP67 according to DIN EN 60529 by Dust cap 200-4103.

**Materials**

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

**Remarks**

(S) = max. 8mm



Quarter-Turn with cylinder, zinc die

Part Number	Head diameter	Latching type	Surface	Grounding type
a) 200-9201.00-00000	Ø28	keyed alike DIRAK 1333	chrome plated	Grounding nut
a) 500-9201.00-00000	Ø28	keyed alike DS200	chrome plated	Grounding nut
a) 200-9203.00-00000	Ø28	keyed different	chrome plated	Grounding nut
a) 200-9202.00-00000	Ø28	keyed alike DIRAK 1333	black	Grounding nut
a) 500-9202.00-00000	Ø28	keyed alike DS200	black	Grounding nut
a) 200-9204.00-00000	Ø28	keyed different	black	Grounding nut
a) 200-9205.00-00000	Ø32	keyed alike DIRAK 1333	chrome plated	Grounding nut
a) 500-9205.00-00000	Ø32	keyed alike DS200	chrome plated	Grounding nut
a) 200-9207.00-00000	Ø32	keyed different	chrome plated	Grounding nut
a) 200-9206.00-00000	Ø32	keyed alike DIRAK 1333	black	Grounding nut
a) 500-9206.00-00000	Ø32	keyed alike DS200	black	Grounding nut
a) 200-9208.00-00000	Ø32	keyed different	black	Grounding nut

Accessories	
b) 175	1-270.01 Finger Pull for Quarter-Turn Pr20.1
d) 160	1-102 Cams L35/45 steel
d) 167	1-262 Cam variable
c) 174	200-4101.00-00000 Dust cap
c) 174	200-4103.00-00000 Dust cap

Assembly options	
200-0001.00-00000	Assembling cam without o-ring



**Cylinder Quarter-Turn stainless steel version with grounding nut**

**Advantages**

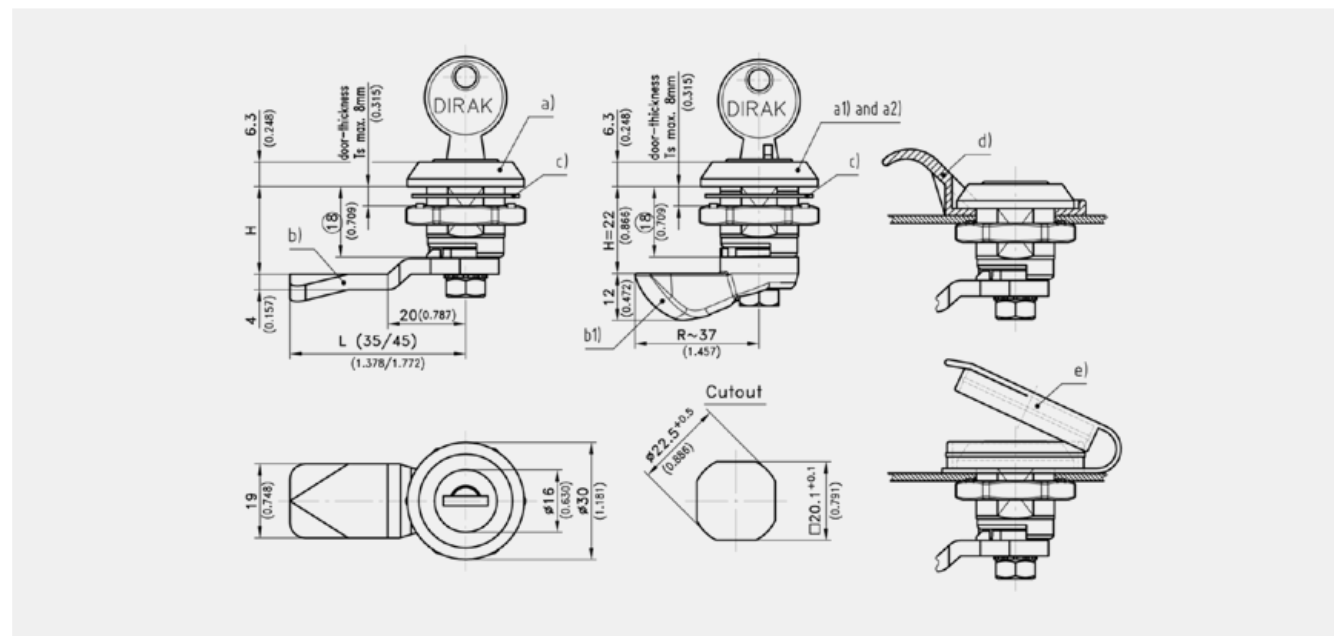
- **Version a)**
- RH / LH application.
- For stability the cam is secured by a nut DIN 934.
- **Version a1) and a2)**
- RH and LH version.
- To insure turns freely, the slam-cam is secured by a shoulder screw.

**Materials**

- **Housing, grounding nut, adapter, cylinder barrel, hexagon nut and wave washer:** stainless steel AISI 316

**Remarks**

**Please note:** Water- and dust-tight according to IP65 DIN EN 60529 only **with** dustcap, see product system 1-270.  
(S) = max. 8mm.



Cylinder Quarter-Turn

Part Number	Housing length	Latching type	Door-thickness	Grounding type	Material
a) 200-9232.00-00000	18 mm	keyed alike DIRAK 1333	max. 8 mm	Grounding nut	Stainless Steel
a) 200-9233.00-00000	18 mm	keyed different	max. 8 mm	Grounding nut	Stainless Steel

Cylinder Quarter-Turn, with slam cam and adapter

Part Number	Housing length	Latching type	Version	Door-thickness	Grounding type	Material
a1) 200-9236.00-01333	18 mm	keyed alike DIRAK 1333	RH	max. 8 mm	Grounding nut	Stainless Steel
a1) 200-9236.00-99999	18 mm	keyed different	RH	max. 8 mm	Grounding nut	Stainless Steel
a2) 200-9237.00-01333	18 mm	keyed alike DIRAK 1333	LH	max. 8 mm	Grounding nut	Stainless Steel
a2) 200-9237.00-99999	18 mm	keyed different	LH	max. 8 mm	Grounding nut	Stainless Steel

Accessories	
e) 174	1-270 Dust Caps and Sealing Plug Pr20.1
d) 175	1-270.01 Finger Pull for Quarter-Turn Pr20.1
b) 162	7-105 Cams L35/45 stainless steel
b1) 169	7-076 Slam-Cam for Quarter-Turn Pr20.1
c) 200-0901.00-00000	Flat external seal 20.1, Ø22.5mm



**Advantages**

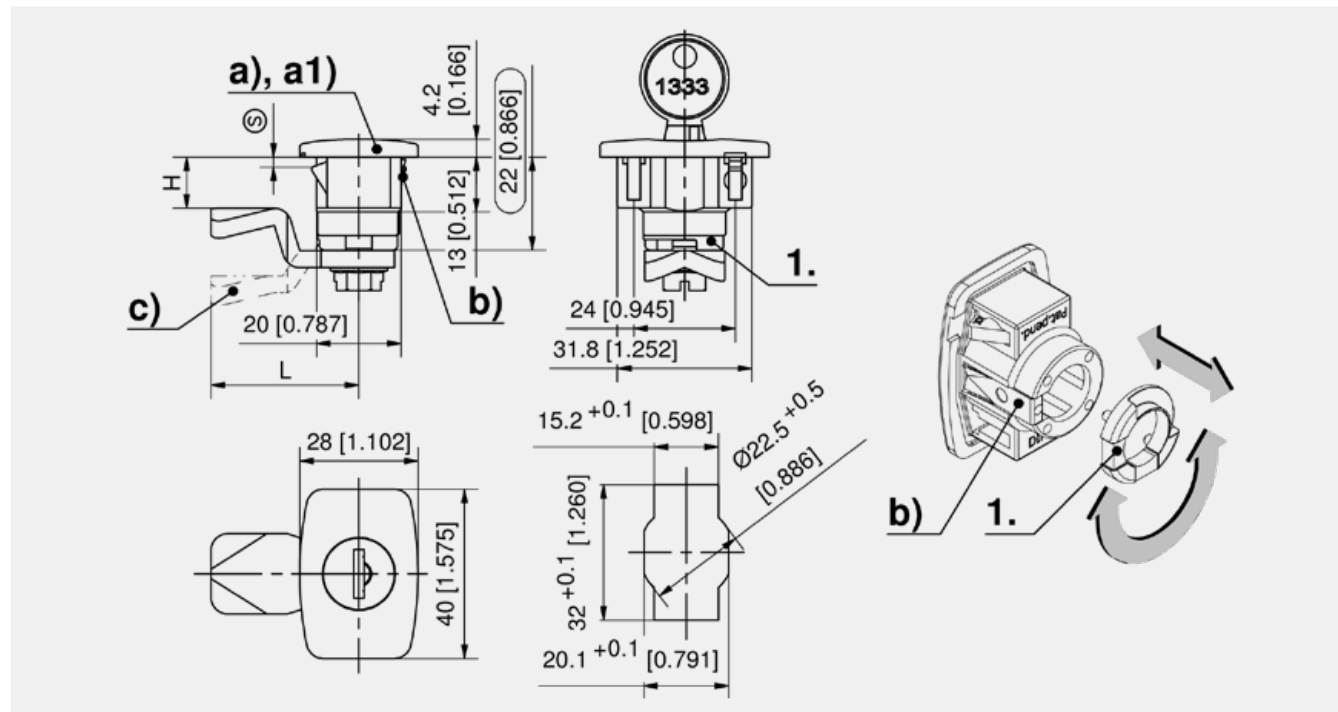
- Flush Quarter-Turn for Snap-in installation into cutout 32x20.1mm.
- Tool-less installation.
- Vibration-proof installation.
- Blind installation.
- Rectangular cutout guarantees a perfect alignment.
- RH/LH application.
- The rotatable bottom can be positioned in any 90° position, making the bit of the key always pointing in the same direction for both RH and LH doors.
- Pre-assembly RH/LH upon request.
- Grounding by grounding clip.

**Materials**

- **Housing and cylinder:** zinc die, chrome plated
- **Snap wedges:** sintered steel
- **Loose bottom:** zinc die, zinc plated
- **Serrated screw and cam:** steel, zinc plated
- **O-Ring:** NBR, black, serves as security for the snap wedges

**Remarks**

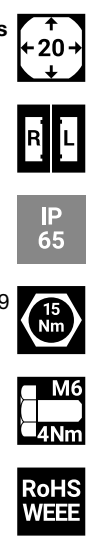
- H-dimension of the cam L=35 ≥ 12mm (0.472)
- H-dimension of the cam L=45 ≥ 6mm (0.236)
- 1. = rotatable bottom for RH/LH



Quarter-Turn with cylinder, zinc die

	Part Number	Clamping range	Surface	Latching type	Installation type
a)	406-9007.00-00013	1.0 - 1.7 mm	chrome plated	keyed alike DIRAK 1333	tool-less
a)	406-9007.00-00018	1.5 - 2.2 mm	chrome plated	keyed alike DIRAK 1333	tool-less
a)	406-9007.00-00026	2.3 - 3.0 mm	chrome plated	keyed alike DIRAK 1333	tool-less
a1)	406-9008.00-00013	1.0 - 1.7 mm	chrome plated	keyed different	tool-less
a1)	406-9008.00-00018	1.5 - 2.2 mm	chrome plated	keyed different	tool-less
a1)	406-9008.00-00026	2.3 - 3.0 mm	chrome plated	keyed different	tool-less
a)	406-9009.00-00013	1.0 - 1.7 mm	black	keyed alike DIRAK 1333	tool-less
a)	406-9009.00-00018	1.5 - 2.2 mm	black	keyed alike DIRAK 1333	tool-less
a)	406-9009.00-00026	2.3 - 3.0 mm	black	keyed alike DIRAK 1333	tool-less
a1)	406-9010.00-00013	1.0 - 1.7 mm	black	keyed different	tool-less
a1)	406-9010.00-00018	1.5 - 2.2 mm	black	keyed different	tool-less
a1)	406-9010.00-00026	2.3 - 3.0 mm	black	keyed different	tool-less

Accessories	
c)	160 1-102 Cams L35/45 steel
c)	167 1-262 Cam variable
b)	200-1103.04-00000 Grounding clip



**Low profile Cylinder Quarter-Turn with different housing lengths**

**Advantages**

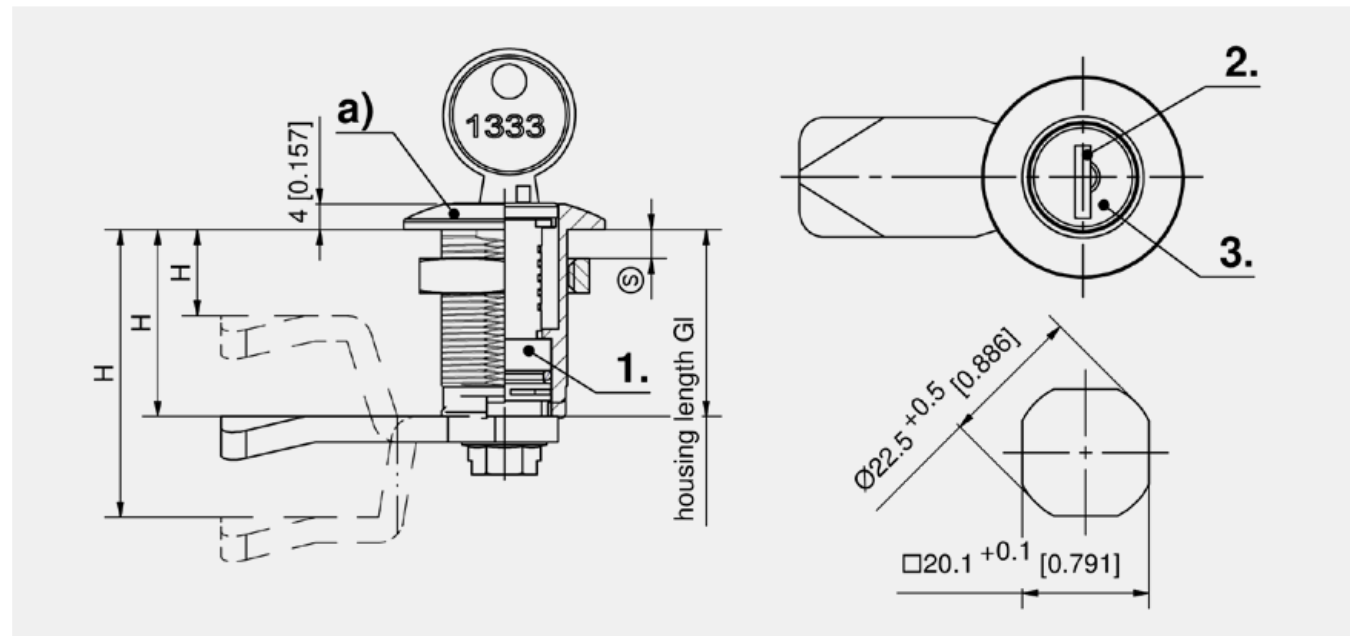
- RH / LH application.
- Please configure the Quarter-Turn with insert and cam.
- On request parts can be assembled with cam.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- 2 Keys included.
- With stainless cylinder cover and dust-shutter.
- Maximum load for the key 4 Nm.

**Materials**

- **Housing:** zinc die, chrome plated or black
- **Nut and Serrated screw:** steel, zinc plated
- **Adapter:** zinc die, untreated

**Remarks**

- IP65 according to DIN EN 60529 only with dust cap.
- 1. = Adapter
- 2. = Dust-shutter
- 3. = Cylinder cover



Quarter-Turn with cylinder, zinc die

	Part Number	Housing length	Latching type	Door-thickness	Surface
a)	100-9081.00-10030	30 mm	keyed alike DIRAK 1333	max. 20 mm	chrome plated
a)	100-9081.00-10050	50 mm	keyed alike DIRAK 1333	max. 40 mm	chrome plated
a)	100-9081.00-20030	30 mm	keyed alike DIRAK 1333	max. 20 mm	black
a)	100-9081.00-20050	50 mm	keyed alike DIRAK 1333	max. 40 mm	black
a)	100-9082.00-10030	30 mm	keyed different	max. 20 mm	chrome plated
a)	100-9082.00-10050	50 mm	keyed different	max. 40 mm	chrome plated
a)	100-9082.00-20030	30 mm	keyed different	max. 20 mm	black
a)	100-9082.00-20050	50 mm	keyed different	max. 40 mm	black
a)	100-9083.00-10030	30 mm	keyed alike DS200	max. 20 mm	chrome plated
a)	100-9083.00-10050	50 mm	keyed alike DS200	max. 40 mm	chrome plated
a)	100-9083.00-20030	30 mm	keyed alike DS200	max. 20 mm	black
a)	100-9083.00-20050	50 mm	keyed alike DS200	max. 40 mm	black

Accessories	
174	1-270 Dust Caps and Sealing Plug Pr20.1
175	1-270.01 Finger Pull for Quarter-Turn Pr20.1
160	1-102 Cams L35/45 steel
167	1-262 Cam variable

Assembly options	
200-0001.00-00000	Assembling cam without o-ring



**Advantages**

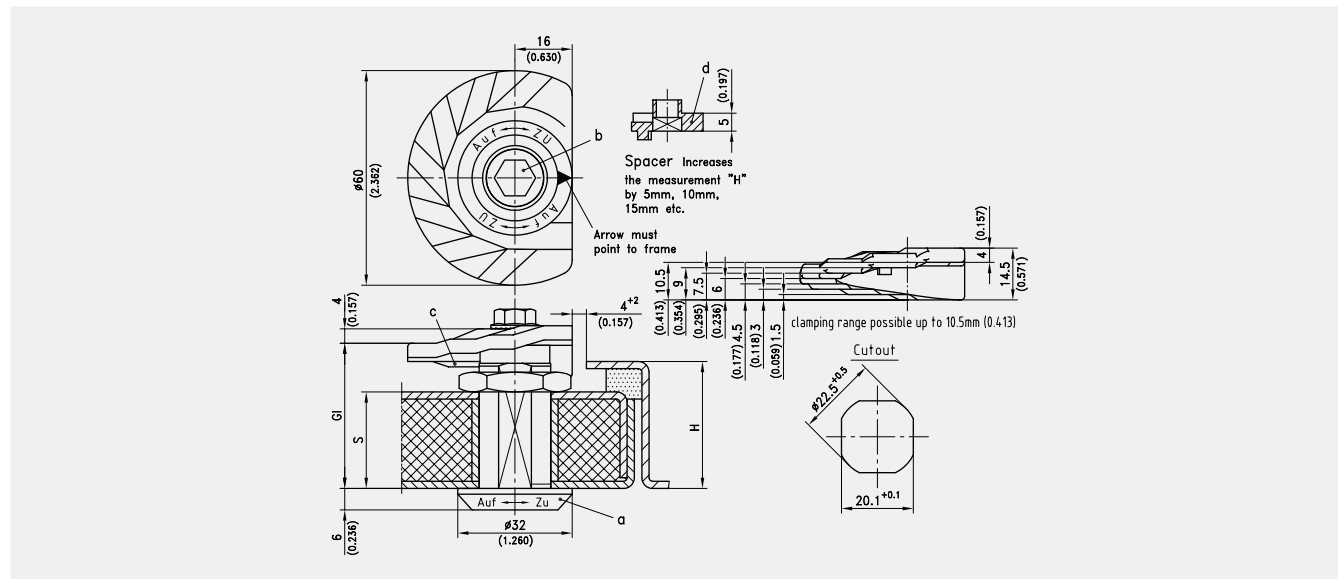
- Quarter-Turn with stepped cam. Covers large tolerances and gives greater compression possibilities.
- RH / LH application.
- The locking direction is always clockwise.
- When installed, the arrow must point to the frame. In this case the flat side of the cam is parallel to the frame.
- Marking of housing - " Auf/Zu" (Open/Closed)
- This Quarter-Turn consists of three basic parts which can be combined to suit your application.
- When using knobs the adapter is necessary.
- IP65 according to DIN EN 60529 by using sealing kit.

**Materials**

- **Housing:** zinc die, chrome plated
- **Nut:** steel, zinc plated
- **Adapter, stepped cam and spacer:** zinc die, untreated

**Remarks**

- Sealing kit for GL18: 209-9002
- Sealing kit from GL30: 209-9006



Quarter-Turns

	Part Number	Housing length	Door-thickness	variable H-dimension	suitable Adapter set	Material	Surface	Installation type
a)	200-9038.00-00000	18 mm	max. 8 mm	8 - 18 mm		zinc die	chrome plated	screw-on
a)	200-9039.00-00000	30 mm	max. 20 mm	20 - 30 mm	L20	zinc die	chrome plated	screw-on
a)	200-9040.00-00000	36 mm	max. 26 mm	26 - 36 mm	L26	zinc die	chrome plated	screw-on
a)	200-9041.00-00000	40 mm	max. 30 mm	30 - 40 mm	L30	zinc die	chrome plated	screw-on
a)	200-9042.00-00000	50 mm	max. 40 mm	40 - 50 mm	L40	zinc die	chrome plated	screw-on
a)	200-9047.00-00000	60 mm	max. 50 mm	50 - 60 mm	L50	zinc die	chrome plated	screw-on

Stepped Cam

	Part Number	Stop	Material	Surface
c)	200-2903.00-00000	No	zinc die	untreated
c)	200-2904.00-00000	Yes	zinc die	untreated

Accessories	
b)	156 1-101 Inserts Pr20.1
a1)	200-9031.00-00000 Adapter set L20
a1)	200-9032.00-00000 Adapter set L26
a1)	200-9033.00-00000 Adapter set L30
a1)	200-9034.00-00000 Adapter set L40
a1)	200-9035.00-00000 Adapter set L50
d)	200-2803.30-00005 Middel part

Function extension	
	209-9002.00-00000 Sealing kit IP65 for 200-Quarter-Turns
	209-9006.00-00000 Sealing kit IP65/IP67 for Quarter-Turns L30-60



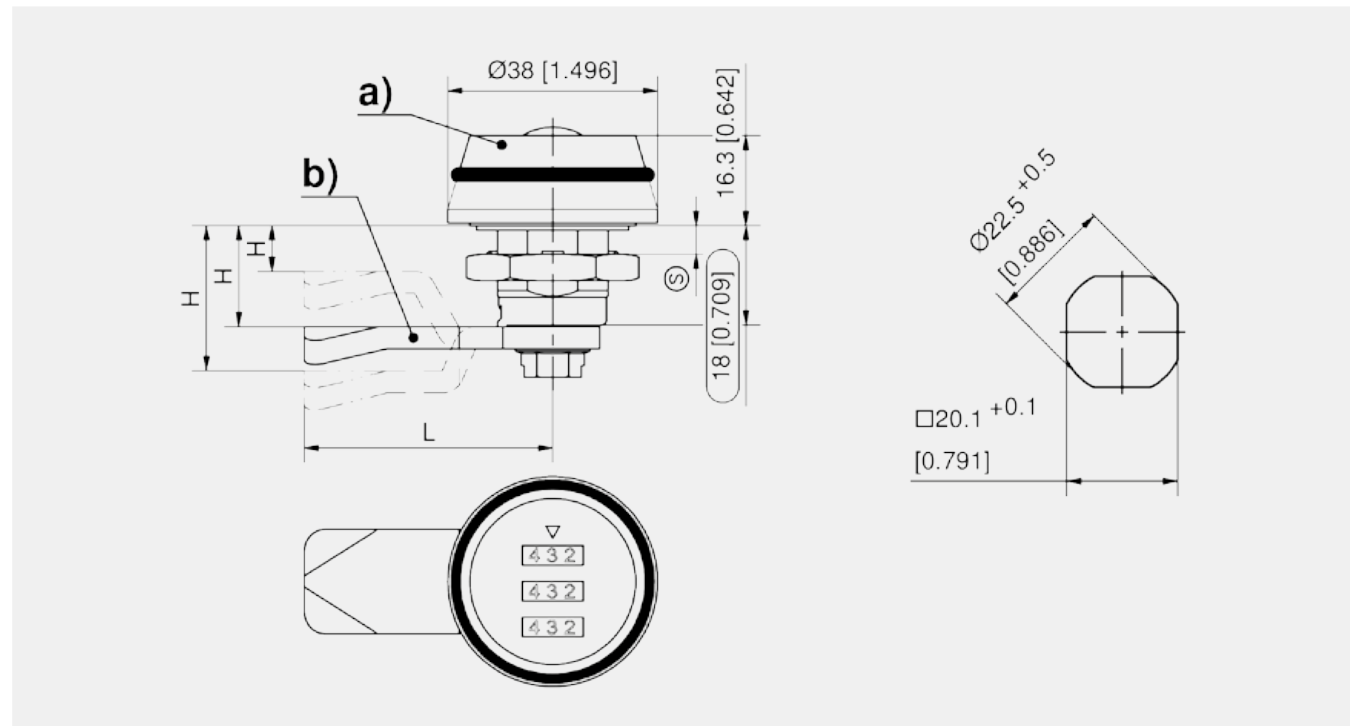
**for cutout 20.1, length 18**

**Advantages**

- 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.
- IP65 according to DIN EN 60529.
- For combination set or reset please refer to enclosed instructions.
- Modifying the combination just in open state possible.

**Materials**

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



Quarter-Turn, zinc die, chrome plated

	Part Number	Housing length	Installation type	Door-thickness
a)	100-9301.00-00000	18 mm	screw-on	max. 8 mm

Quarter-Turn, zinc die, black

	Part Number	Housing length	Installation type	Door-thickness
a)	100-9302.00-00000	18 mm	screw-on	max. 8 mm

Accessories	
b)	160 1-102 Cams L35/45 steel



DIN 61373

R L

15 Nm

RoHS WEEE



The Quarter-Turn has absolutely no protrusion on the outside

**Advantages**

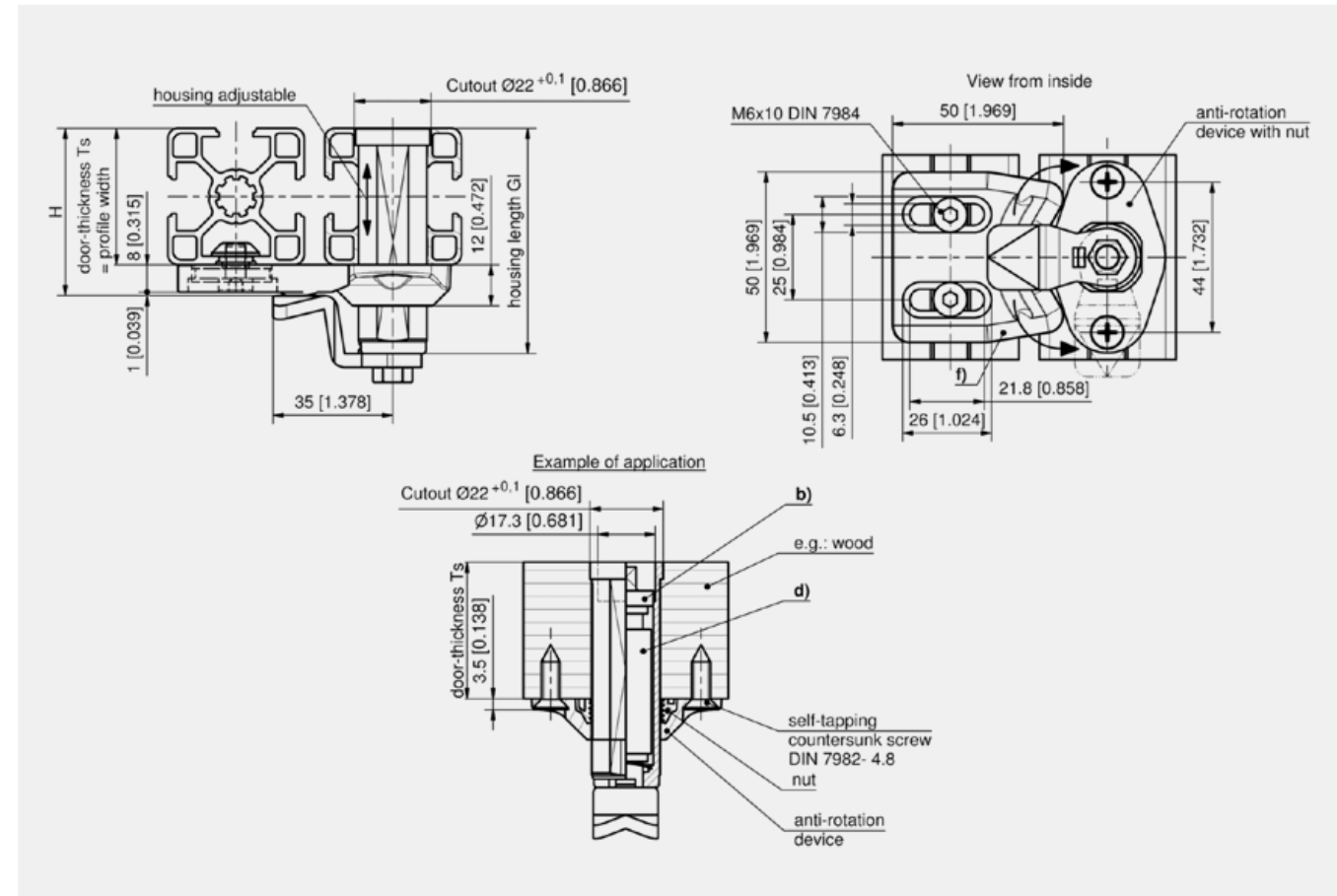
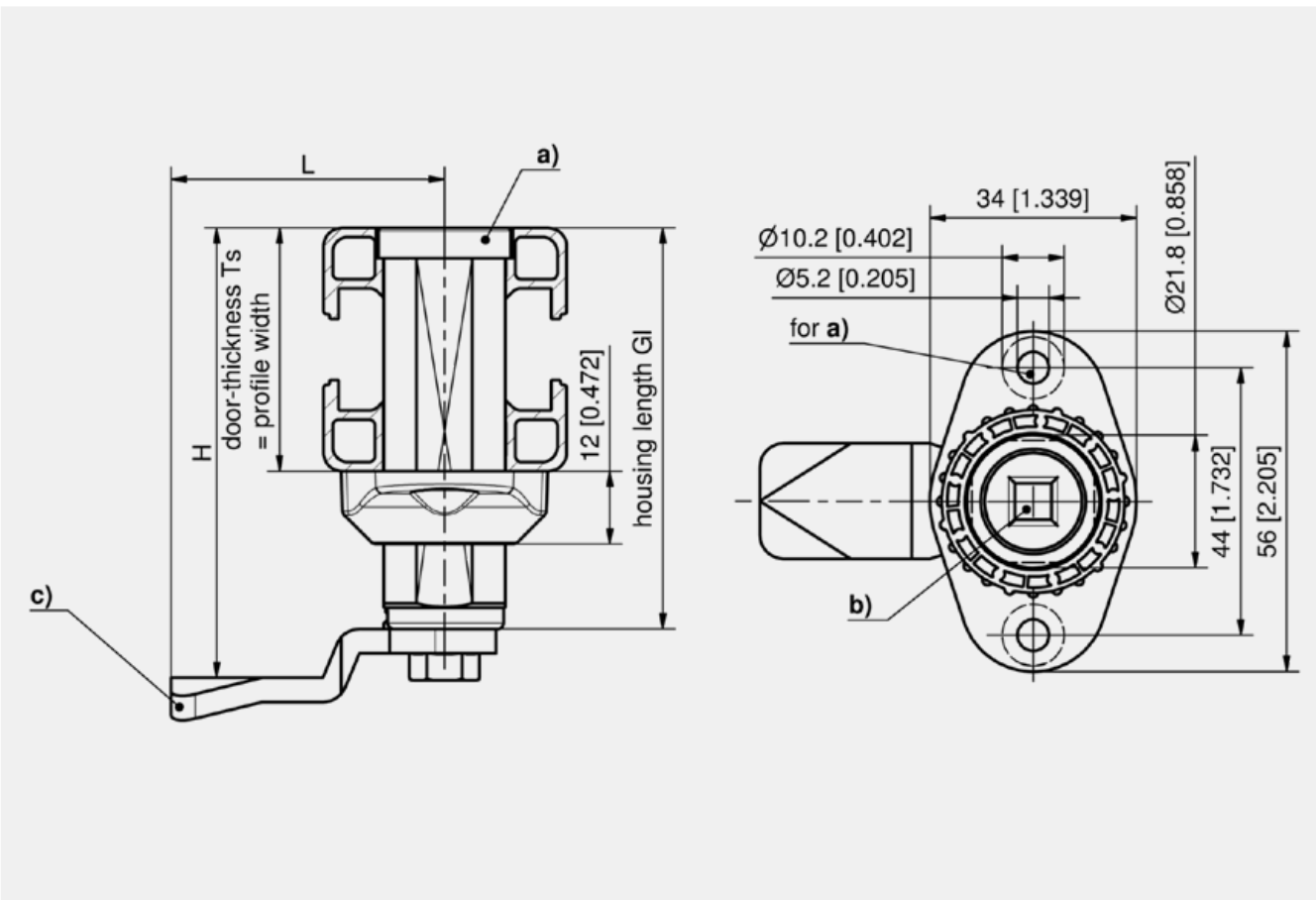
- RH / LH application.
- Vibration-proof according to DIN EN 61373.
- Please configure the Quarter-Turn with insert, adapter and cam.
- With the PA nut M22 x 1.5mm, the housing is put exactly into position and secured with the anti-rotation device. Precise detent for optimized alignment.
- In conjunction with the stop plate, stop less constructions with aluminum profiles and/or with flat components can be latched perfectly.

**Materials**

- **Housing:** zinc die, chrome plated or black
- **Nut:** PA
- **Adapter:** zinc die, untreated
- **Anti-rotation device:** zinc die, zinc plated
- **Cams:** steel, zinc plated

**Remarks**

- d) = Adapter set
- f) = Stop plate
- Minimum door-thickness 5mm



Quarter-Turn housing, zinc die, chrome plated

	Part Number	Housing length	suitable Adapter set	Door-thickness	Installation type
a)	200-9088.00-00000	22 mm		max. 7 mm	screw-on
a)	200-9090.00-00000	36 mm	L20	max. 21 mm	screw-on
a)	200-9092.00-00000	42 mm	L26	max. 27 mm	screw-on
a)	200-9094.00-00000	46 mm	L30	max. 31 mm	screw-on
a)	200-9096.00-00000	56 mm	L40	max. 41 mm	screw-on
a)	200-9098.00-00000	66 mm	L50	max. 51 mm	screw-on

Quarter-Turn housing, zinc die, black

	Part Number	Housing length	Installation type	Door-thickness
a)	200-9089.00-00000	22 mm	screw-on	max. 7 mm

Accessories	
b)	156 1-101 Inserts Pr20.1
c)	160 1-102 Cams L35/45 steel
d)	200-9031.00-00000 Adapter set L20
d)	200-9032.00-00000 Adapter set L26
d)	200-9033.00-00000 Adapter set L30
d)	200-9034.00-00000 Adapter set L40
d)	200-9035.00-00000 Adapter set L50
f)	265-3001.33-00000 Stop plate

Assembly options	
	200-0003.00-00000 Assembling adapter without o-ring

DIN 61373

R L

120°

RoHS WEEE



for surface mounted door, door bending 25mm

**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 23 mm.
- RH and LH Version.
- 120° Opening angle.
- Vibration-proof according to DIN EN 61373.
- Flush latch through insert.
- When using 4 latches, the door can be lifted off completely.

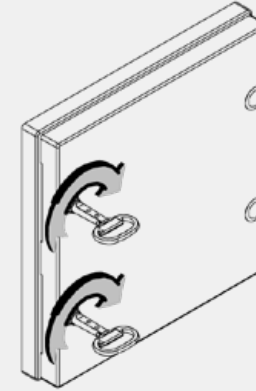
**Materials**

- **Door- and latch-part:** zinc die, zinc plated
- **Spring washer:** stainless steel
- **Nut:** steel, zinc plated
- **Locking washer:** steel, chrome plated
- **Blind plug:** PA6, RAL 7035

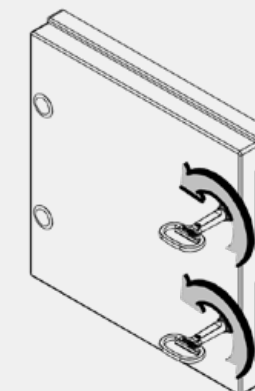
**Remarks**

1. = Installation instruction for fastening washer
2. = Blind plug
3. = Door notch 92 x 2 mm
4. = Door
5. = Frame

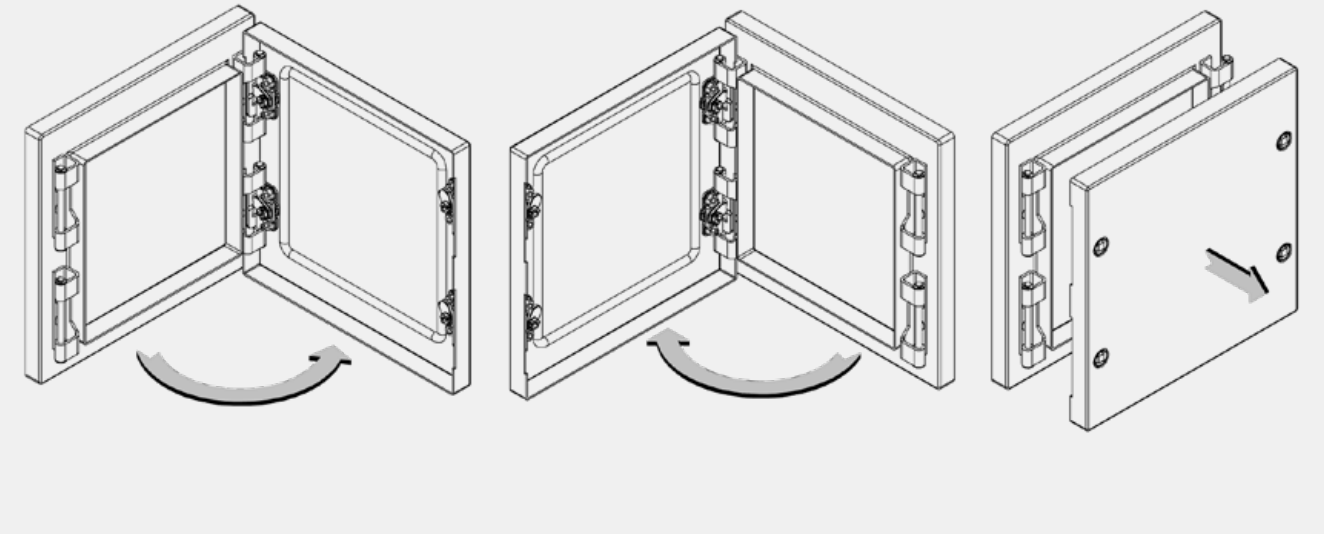
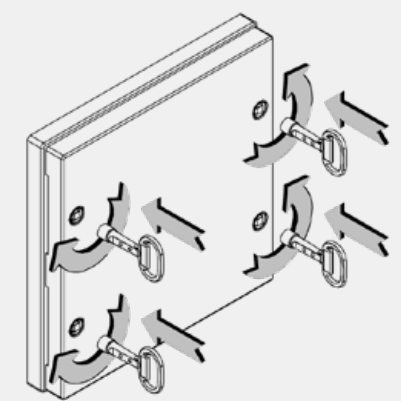
**RH door - door opens to the right**



**LH door- door opens to the left**



**door completely lift-off**



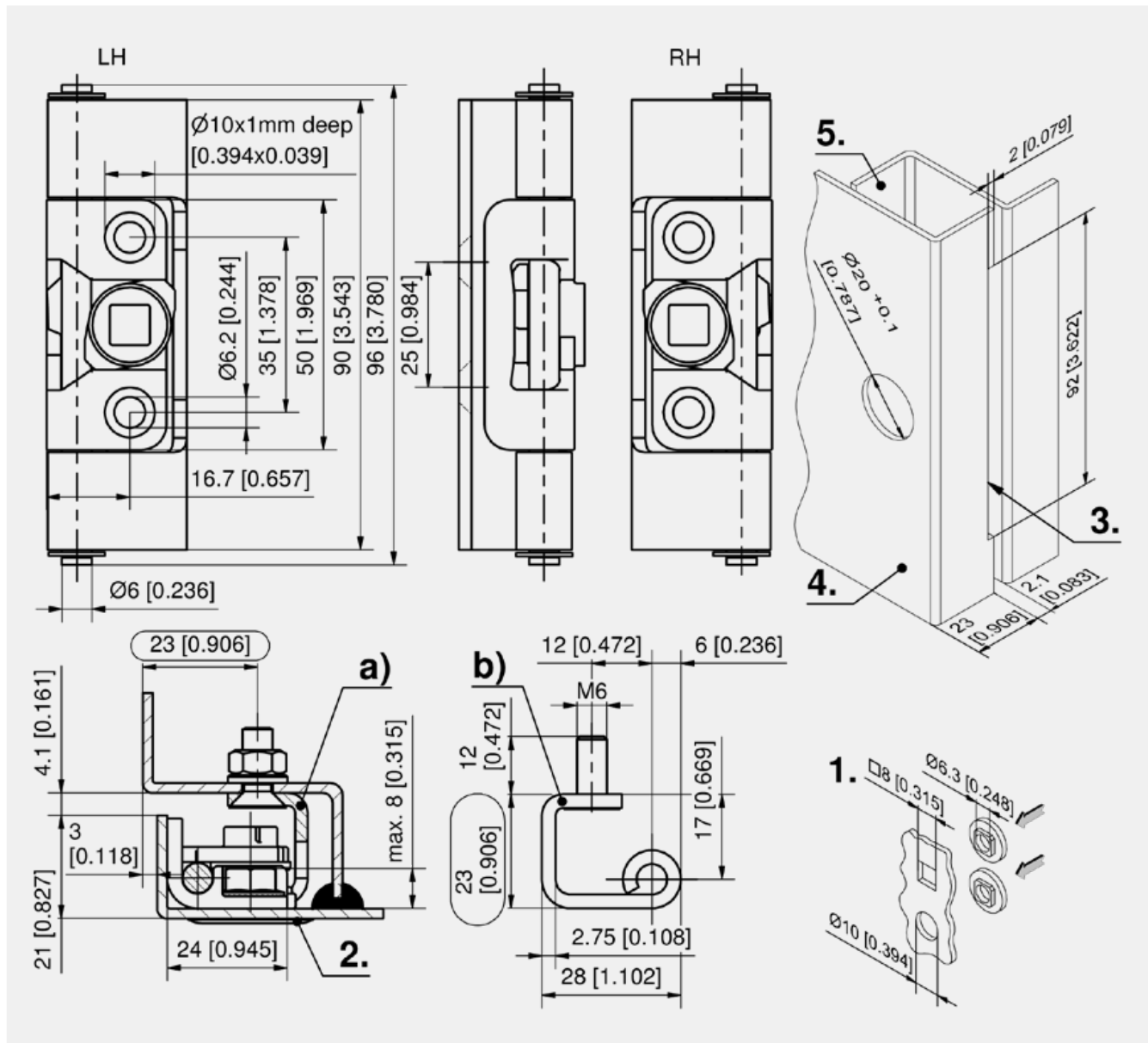
Flush latch, version LH

	Part Number	Insert	Installation type frame-part	Installation type door-part
a)	243-9218.00-00000	Square 8mm	Countersunk screw	screw-on
b)	243-9219.00-00000	Square 8mm	pressed in stud M6	screw-on
a)	243-9220.00-00000	Double bit 3mm pin	Countersunk screw	screw-on
b)	243-9221.00-00000	Double bit 3mm pin	pressed in stud M6	screw-on
a)	243-9226.00-00000	Square 8mm with arrow	Countersunk screw	screw-on
b)	243-9228.00-00000	Square 8mm with arrow	pressed in stud M6	screw-on

Flush latch, version RH

	Part Number	Insert	Installation type frame-part	Installation type door-part
a)	243-9222.00-00000	Square 8mm	Countersunk screw	screw-on
b)	243-9223.00-00000	Square 8mm	pressed in stud M6	screw-on
a)	243-9224.00-00000	Double bit 3mm pin	Countersunk screw	screw-on
b)	243-9225.00-00000	Double bit 3mm pin	pressed in stud M6	screw-on
a)	243-9227.00-00000	Square 8mm with arrow	Countersunk screw	screw-on
b)	243-9229.00-00000	Square 8mm with arrow	pressed in stud M6	screw-on

+ Specific accessories	
292-0604.00-07035	Blind plug
800-1105.00-00000	Weld stud M6x8
860-B193.00-00006	Serrated nut M6
243-0501.00-00000	Fastening Washer





screw-on, weld-on or rivet-on, flush version

**Advantages**

- 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.

**Materials**

- **Housing:** steel, zinc plated
- **Bezel:** zinc die, untreated
- **Insert:** zinc die, chrome plated
- **Cam:** steel, zinc plated

for cutout 20.1, length 18, with cylinder

**Advantages**

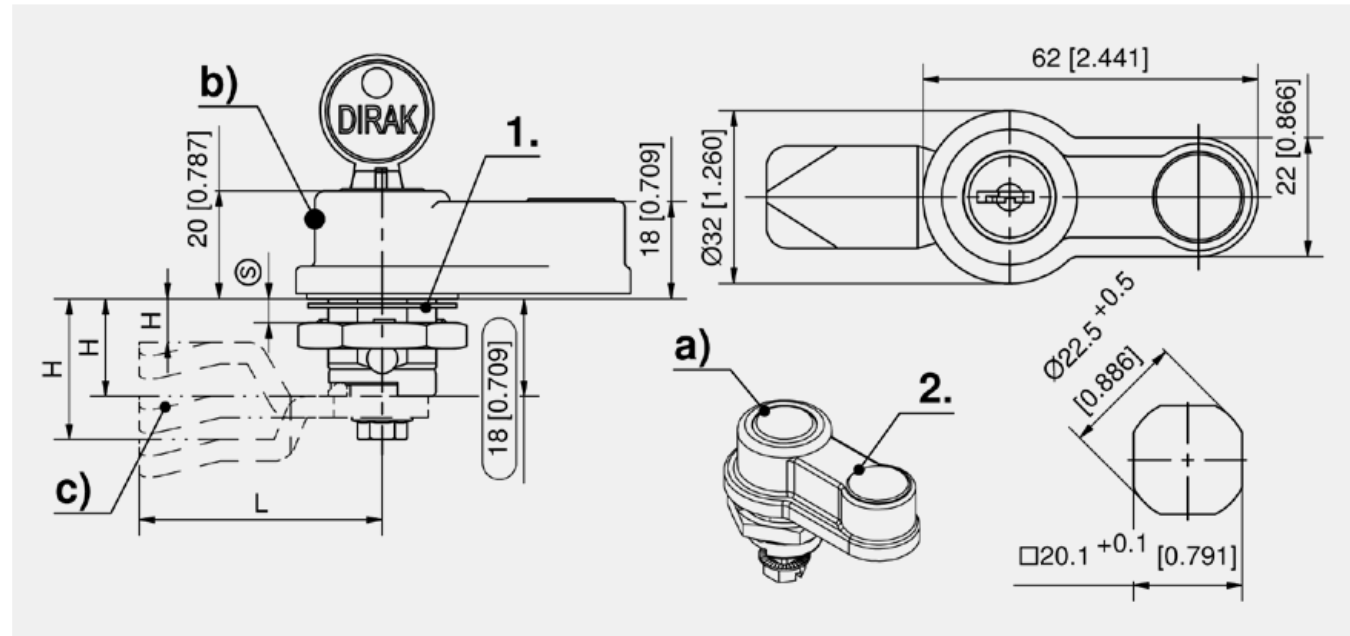
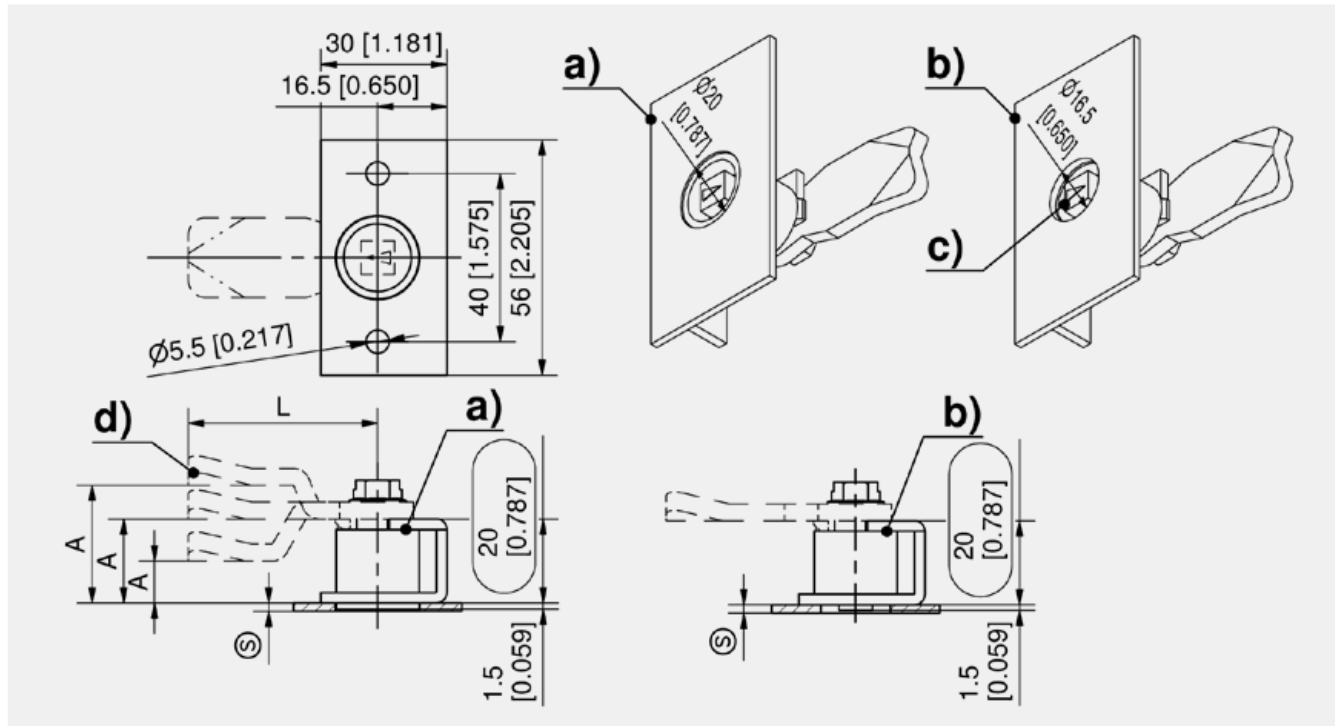
- Drip handle Quarter-Turn.
- RH / LH application.
- Versions **without** cylinder are water- and dust-tight according to IP65 DIN EN 60529.
- Versions **with** cylinder are water- and dust-tight according to IP54 DIN EN 60529.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Materials**

- A, black with zinc die core
- **Housing:** zinc die, chrome plated
- **Cylinder:** PA, black or zinc die, chrome plated
- **Plug:** PA, black

**Remarks**

1. Seal
2. Plug



Housing with bezel

	Part Number	Housing length	Version	Material	Surface	Installation type
a)	200-9036.00-00000	20 mm	RH	steel	zinc plated	screw-/ weld-on/ rivet
a)	200-9037.00-00000	20 mm	LH	steel	zinc plated	screw-/ weld-on/ rivet

Housing with bezel flush

	Part Number	Housing length	Version	Material	Surface	Installation type
b)	100-9010.00-00000	20 mm	RH	steel	zinc plated	screw-/ weld-on/ rivet
b)	100-9011.00-00000	20 mm	LH	steel	zinc plated	screw-/ weld-on/ rivet

Accessories	
c)	156 1-101 Inserts Pr20.1
d)	160 1-102 Cams L35/45 steel
d)	167 1-262 Cam variable

Assembly options	
	200-0001.00-00000 Assembling cam without o-ring

Quarter-Turn with drip handle

	Part Number	Version	Latching type	Grounding type	IP protection	Housing length	Door-thickness
a)	200-9394.00-00000	with blind plug		Grounding nut	IP65	18 mm	max. 8 mm
b)	200-9392.00-00000	Cylinder PA, black	keyed alike DIRAK 1333	Grounding nut	IP54	18 mm	max. 8 mm
b)	200-9393.00-00000	Cylinder PA, black	keyed different	Grounding nut	IP54	18 mm	max. 8 mm
b)	200-9395.00-00000	Cylinder zinc die, chrome plated	keyed alike DIRAK 1333	Grounding nut	IP54	18 mm	max. 8 mm
b)	200-9396.00-00000	Cylinder zinc die, chrome plated	keyed different	Grounding nut	IP54	18 mm	max. 8 mm
b)	500-9395.00-00000	Cylinder zinc die, chrome plated	keyed alike DS200	Grounding nut	IP54	18 mm	max. 8 mm

Accessories	
c)	160 1-102 Cams L35/45 steel
c)	167 1-262 Cam variable

Assembly options	
	200-0020.00-00000 Assembling cam, LH door
	200-0021.00-00000 Assembling cam, RH door





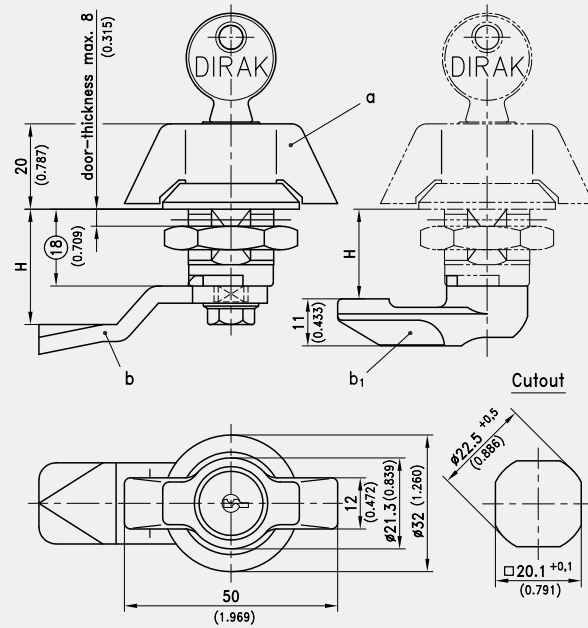
for cutout 20.1, length 18, with cylinder

**Advantages**

- Quarter-Turn with wing knob.
- 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.

**Materials**

- Variante a)**
- **Housing:** zinc die, black
  - **Cylinder:** zinc die with stainless steel dust-shutter
  - **Wing knob:** PA, black with zinc die core
  - **Plug:** PA, black
  - **Grounding nut:** zinc die
- Variante a1)**
- **Housing, cylinder, wing knob and plug:** PA, black
  - **Nut:** zinc die or PA



Quarter-Turn L18 with wing knob

	Part Number	Latching type	IP protection	Version	Door-thickness	Material	Surface
a)	200-9301.00-00000		IP65	Grounding nut	max. 8 mm	PA / zinc die core	black
a1)	200-9368.00-00000		IP65	Nut, steel, zinc plated	max. 8 mm	PA	black
a1)	200-9371.00-00000		IP65	Nut, PA	max. 8 mm	PA	black
a)	200-9302.00-00000	keyed alike DIRAK 1333		Grounding nut	max. 8 mm	PA / zinc die core	black
a1)	200-9369.00-00000	keyed alike DIRAK 1333		Nut, steel, zinc plated	max. 8 mm	PA	black
a1)	200-9372.00-00000	keyed alike DIRAK 1333		Nut, PA	max. 8 mm	PA	black
a)	500-9302.00-00000	keyed alike DS200		Grounding nut	max. 8 mm	PA / zinc die core	black
a)	200-9303.00-00000	keyed different		Grounding nut	max. 8 mm	PA / zinc die core	black
a1)	200-9370.00-00000	keyed different		Nut, steel, zinc plated	max. 8 mm	PA	black
a1)	200-9373.00-00000	keyed different		Nut, PA	max. 8 mm	PA	black

Accessories	
a1) 78	1-095 Quarter-Turn Polyamide Pr20.1 L18
b) 160	1-102 Cams L35/45 steel
b) 167	1-262 Cam variable

Assembly options	
200-0001.00-00000	Assembling cam without o-ring
200-0019.00-00000	Assembling cam 90° to handle without o-ring



for cutout 20.1, length 18, with cylinder

**Advantages**

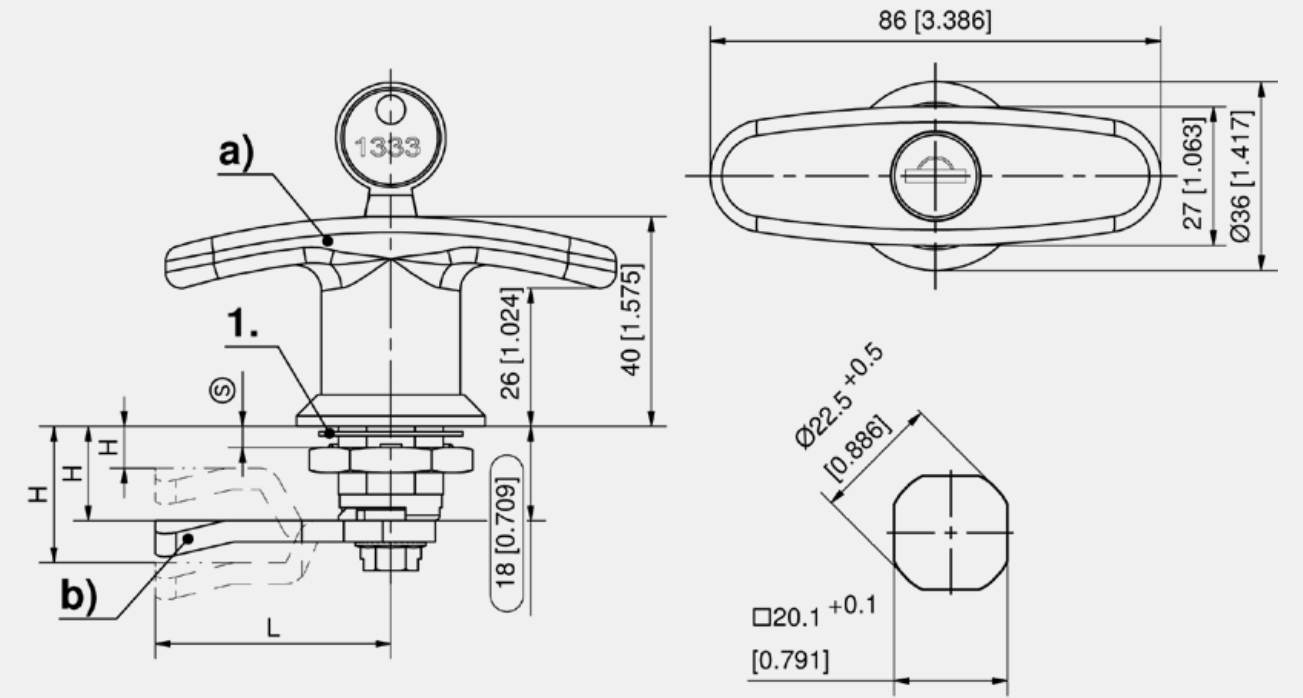
- Quarter-Turn with T-handle.
- RH or LH application.
- Versions **without cylinder** are water- and dust-tight according to IP65 DIN EN 60529.
- Versions **with cylinder** are water- and dust-tight according to IP54 DIN EN 60529.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- All lockable handles supplied with two keys.

**Materials**

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

**Remarks**

- 1. = Seal



Quarter-Turns

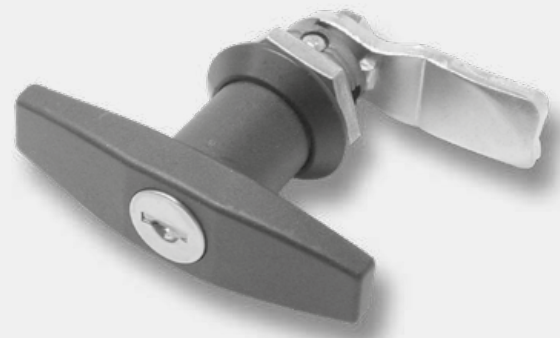
	Part Number	Housing length	Insert	Grounding type	IP protection	Door-thickness	Material	Surface
a)	100-9306.00-00000	18 mm	without	Grounding nut	IP65	max. 8 mm	zinc die	nickel plated
a)	100-9309.00-00001	18 mm	Square 8mm	Grounding nut	IP65	max. 8 mm	zinc die	nickel plated

Quarter-Turn with cylinder

	Part Number	Housing length	Latching type	Grounding type	IP protection	Door-thickness	Material	Surface
a)	100-9308.00-00000	18 mm	keyed alike DIRAK 1333	Grounding nut	IP54	max. 8 mm	zinc die	nickel plated
a)	100-9307.00-00000	18 mm	keyed different	Grounding nut	IP54	max. 8 mm	zinc die	nickel plated

Accessories	
b) 160	1-102 Cams L35/45 steel
b) 167	1-262 Cam variable
b) 290	2-150 3-Point Cam

Assembly options	
200-0001.00-00000	Assembling cam without o-ring
200-0019.00-00000	Assembling cam 90° to handle without o-ring



### Advantages

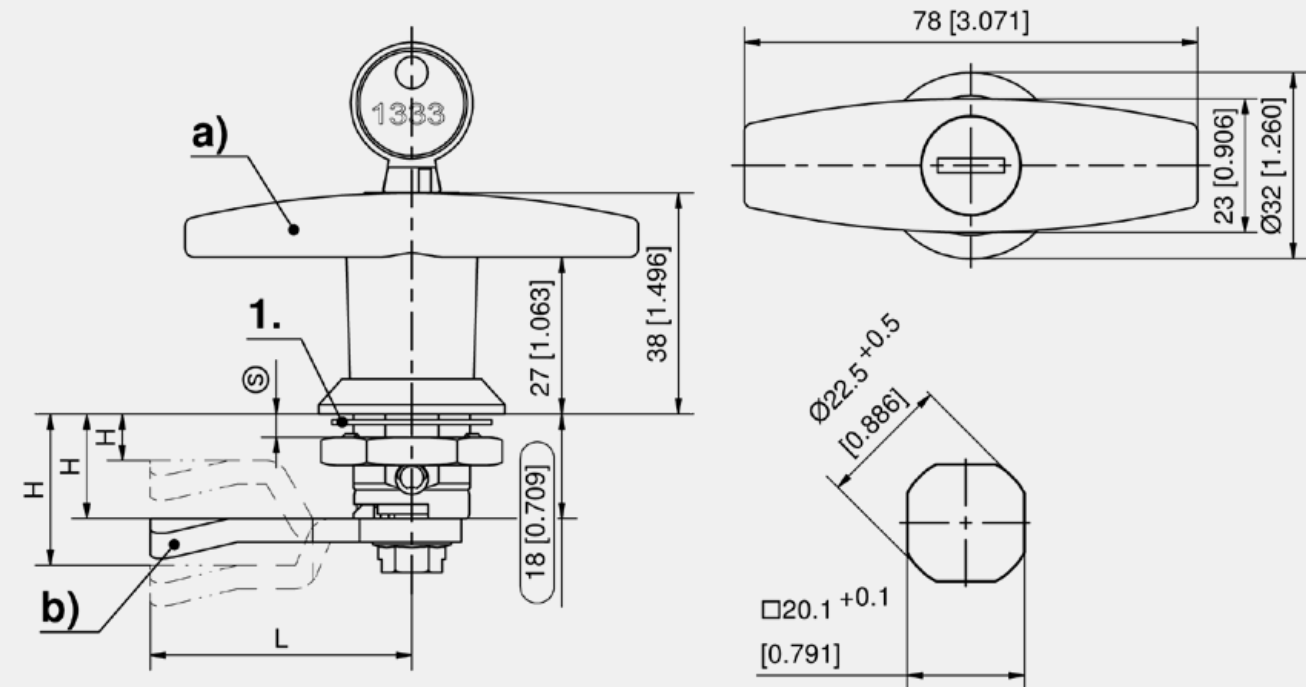
- Quarter-Turn with T-handle.
- With or without cylinder.
- RH or LH application.
- Versions **without cylinder** are water- and dust-tight according to **IP65** DIN EN 60529.
- Versions **with cylinder** are water- and dust-tight according to **IP54** DIN EN 60529.
- The Quarter-Turn consists of two basic components a) and b) 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.
- All lockable T-handles supplied with two keys.

### Materials

- **T-handle:** PA, black with zinc die core or zinc die, chrome plated or black
- **Cam:** steel, zinc plated

### Remarks

1. = Seal



## Quarter-Turn, with T-handle, PA, black

	Part Number	Housing length	Latching type	IP protection	Grounding type	Door-thickness
a)	200-9307.00-00000	18 mm		IP65	Grounding nut	max. 8 mm
a)	200-9308.00-00000	18 mm	keyed alike DIRAK 1333	IP54	Grounding nut	max. 8 mm
a)	200-9309.00-00000	18 mm	keyed different	IP54	Grounding nut	max. 8 mm
a)	500-9308.00-00000	18 mm	keyed alike DS200	IP54	Grounding nut	max. 8 mm

## Quarter-Turn with T-handle, zinc die, chrome plated

	Part Number	Housing length	Latching type	IP protection	Grounding type	Door-thickness
a)	200-9319.00-00000	18 mm		IP65	Grounding nut	max. 8 mm
a)	200-9320.00-00000	18 mm	keyed alike DIRAK 1333	IP54	Grounding nut	max. 8 mm
a)	200-9321.00-00000	18 mm	keyed different	IP54	Grounding nut	max. 8 mm
a)	500-9320.00-00000	18 mm	keyed alike DS200	IP54	Grounding nut	max. 8 mm
a)	501-9320.00-00000	18 mm	PAGODA keyed alike	IP65	Grounding nut	max. 8 mm
a)	501-9321.00-00000	18 mm	PAGODA keyed different	IP54	Grounding nut	max. 8 mm

## Quarter-Turn with T-handle, zinc die, black

	Part Number	Housing length	Latching type	IP protection	Grounding type	Door-thickness
a)	200-9331.00-00000	18 mm		IP65	Grounding nut	max. 8 mm
a)	200-9332.00-00000	18 mm	keyed alike DIRAK 1333	IP54	Grounding nut	max. 8 mm
a)	200-9333.00-00000	18 mm	keyed different	IP54	Grounding nut	max. 8 mm
a)	500-9332.00-00000	18 mm	keyed alike DS200	IP54	Grounding nut	max. 8 mm
a)	501-9332.00-00000	18 mm	PAGODA keyed alike	IP54	Grounding nut	max. 8 mm
a)	501-9333.00-00000	18 mm	PAGODA keyed different	IP54	Grounding nut	max. 8 mm

Accessories	
b)	160 1-102 Cams L35/45 steel
b)	167 1-262 Cam variable

Assembly options	
200-0001.00-00000	Assembling cam without o-ring
200-0019.00-00000	Assembling cam 90° to handle without o-ring

Quarter-Turn with T-handle, zinc die, chrome plated

	Part Number	Housing length	Latching type	Door-thickness	IP protection	Grounding type
a1)	200-9334.00-00000	30 mm		max. 20 mm	IP65	Grounding nut
a1)	200-9337.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	Grounding nut
a1)	500-9337.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	Grounding nut
a1)	200-9340.00-00000	30 mm	keyed different	max. 20 mm	IP54	Grounding nut
a1)	501-9337.00-00000	30 mm	PAGODA keyed alike	max. 20 mm	IP54	Grounding nut
a1)	200-9335.00-00000	40 mm		max. 30 mm	IP65	Grounding nut
a1)	200-9338.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	Grounding nut
a1)	500-9338.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	Grounding nut
a1)	200-9341.00-00000	40 mm	keyed different	max. 30 mm	IP54	Grounding nut
a1)	501-9338.00-00000	40 mm	PAGODA keyed alike	max. 30 mm	IP54	Grounding nut
a1)	200-9336.00-00000	50 mm		max. 40 mm	IP65	Grounding nut
a1)	200-9339.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	Grounding nut
a1)	500-9339.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	Grounding nut
a1)	200-9342.00-00000	50 mm	keyed different	max. 40 mm	IP54	Grounding nut
a1)	200-9343.00-00000	60 mm		max. 50 mm	IP65	Grounding nut
a1)	200-9344.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	Grounding nut
a1)	500-9344.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	Grounding nut
a1)	200-9345.00-00000	60 mm	keyed different	max. 50 mm	IP54	Grounding nut

Quarter-Turn with T-handle, zinc die, black

	Part Number	Housing length	Latching type	Door-thickness	IP protection	Grounding type
a2)	200-9352.00-00000	30 mm		max. 20 mm	IP65	Grounding nut
a2)	200-9356.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	Grounding nut
a2)	500-9356.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	Grounding nut
a2)	200-9360.00-00000	30 mm	keyed different	max. 20 mm	IP54	Grounding nut
a2)	501-9356.00-00000	30 mm	PAGODA keyed alike	max. 20 mm	IP54	Grounding nut
a2)	501-9360.00-00000	30 mm	PAGODA keyed different	max. 20 mm	IP54	Grounding nut
a2)	200-9353.00-00000	40 mm		max. 30 mm	IP65	Grounding nut
a2)	200-9357.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	Grounding nut
a2)	200-9361.00-00000	40 mm	keyed different	max. 30 mm	IP54	Grounding nut
a2)	200-9354.00-00000	50 mm		max. 40 mm	IP65	Grounding nut
a2)	200-9358.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	Grounding nut
a2)	200-9362.00-00000	50 mm	keyed different	max. 40 mm	IP54	Grounding nut
a2)	200-9355.00-00000	60 mm		max. 50 mm	IP65	Grounding nut
a2)	200-9359.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	Grounding nut
a2)	200-9363.00-00000	60 mm	keyed different	max. 50 mm	IP54	Grounding nut

Quarter-Turn with wing knob, PA, black

	Part Number	Housing length	Latching type	Door-thickness	IP protection	Grounding type
b)	200-9322.00-00000	30 mm		max. 20 mm	IP65	Grounding nut
b)	200-9325.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	Grounding nut
b)	500-9325.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	Grounding nut
b)	200-9328.00-00000	30 mm	keyed different	max. 20 mm	IP54	Grounding nut
b)	200-9323.00-00000	40 mm		max. 30 mm	IP65	Grounding nut
b)	200-9326.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	Grounding nut
b)	500-9326.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	Grounding nut
b)	200-9329.00-00000	40 mm	keyed different	max. 30 mm	IP54	Grounding nut
b)	200-9324.00-00000	50 mm		max. 40 mm	IP54	Grounding nut
b)	200-9327.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	Grounding nut
b)	500-9327.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	Grounding nut
b)	200-9330.00-00000	50 mm	keyed different	max. 40 mm	IP54	Grounding nut
b)	200-9349.00-00000	60 mm		max. 50 mm	IP65	Grounding nut
b)	200-9350.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	Grounding nut
b)	500-9350.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	Grounding nut
b)	200-9351.00-00000	60 mm	keyed different	max. 50 mm	IP54	Grounding nut

Accessories	
c)	160 1-102 Cams L35/45 steel
c)	167 1-262 Cam variable

Advantages

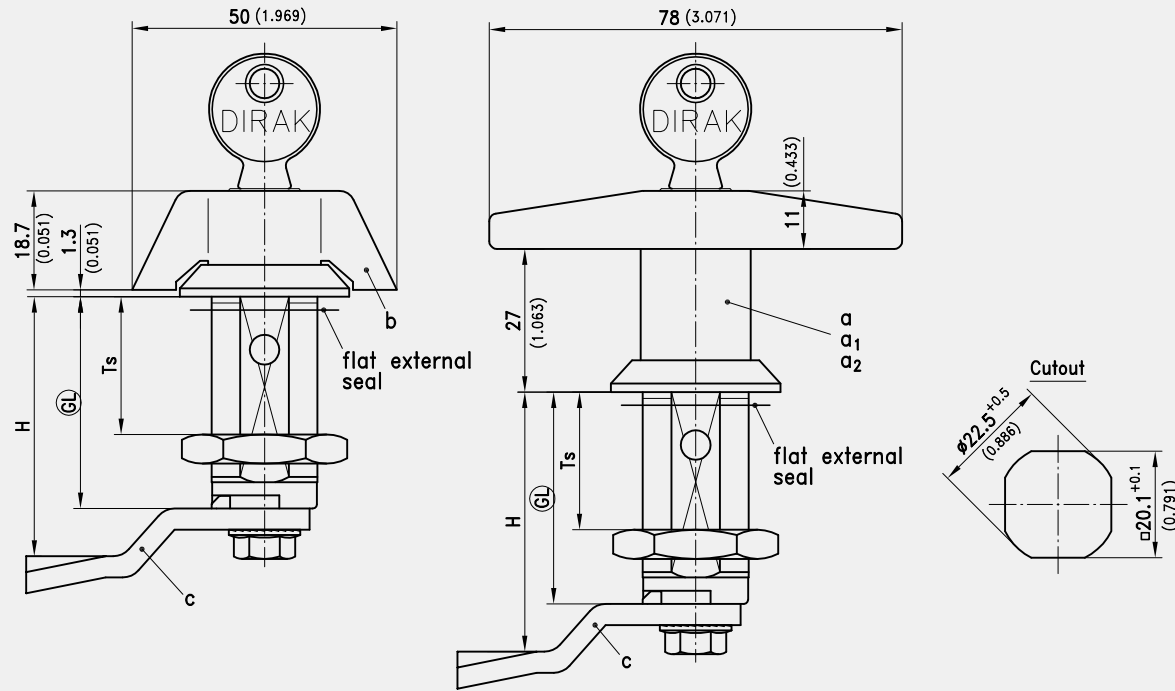
- T-handle and wing knob with extended housing and plain/grounding nut.
- Maximum door-thickness 50mm.
- All versions of Wing-Handles are supplied complete with housing.
- Versions **without cylinder** are water- and dust-tight according to IP65 DIN EN 60529.
- Versions **with cylinder** are water- and dust-tight according to IP54 DIN EN 60529.
- Housings with L = 36mm on request.
- Detailed dimensions of the handles see product system 1-130, 1-140.
- Part No. for PAGODA version with master key system on request.

Materials

- a)
  - T-handle:** PA, black with zinc die core, or zinc die, chrome plated or black
  - Housing:** zinc die
  - Flat external seal:** NBR/Perbunan, black
- b)
  - Wing knob:** PA, black with zinc die core
  - Housing:** zinc die, black
- c)
  - Cam:** steel, zinc plated

Remarks

All lockable handles supplied with 2 keys.



Quarter-Turn with T-handle, PA, black

	Part Number	Housing length	Latching type	Door-thickness	IP protection	Grounding type
a)	200-9310.00-00000	30 mm		max. 20 mm	IP65	Grounding nut
a)	200-9313.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	Grounding nut
a)	500-9313.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	Grounding nut
a)	200-9316.00-00000	30 mm	keyed different	max. 20 mm	IP54	Grounding nut
a)	200-9311.00-00000	40 mm		max. 30 mm	IP65	Grounding nut
a)	200-9314.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	Grounding nut
a)	500-9314.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	Grounding nut
a)	200-9317.00-00000	40 mm	keyed different	max. 30 mm	IP54	Grounding nut
a)	200-9312.00-00000	50 mm		max. 40 mm	IP65	Grounding nut
a)	200-9315.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	Grounding nut
a)	500-9315.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	Grounding nut
a)	200-9318.00-00000	50 mm	keyed different	max. 40 mm	IP54	Grounding nut
a)	200-9346.00-00000	60 mm		max. 50 mm	IP65	Grounding nut
a)	200-9347.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	Grounding nut
a)	500-9347.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	Grounding nut
a)	200-9348.00-00000	60 mm	keyed different	max. 50 mm	IP54	Grounding nut



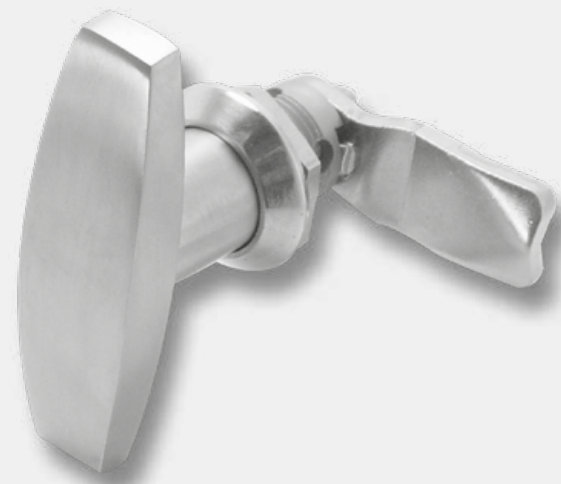
stainless steel AISI 316, for cutout 20.1, length 18

**Advantages**

- Quarter-Turn with T-handle.
- RH or LH application.
- IP65 according to 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.

**Materials**

- **T-Handle:** completely AISI 316, surface polished
- **Nut and cam:** stainless steel



- Quarter-Turns
- ±20
- R/L
- IP 65
- 15 Nm
- RoHS WEEE

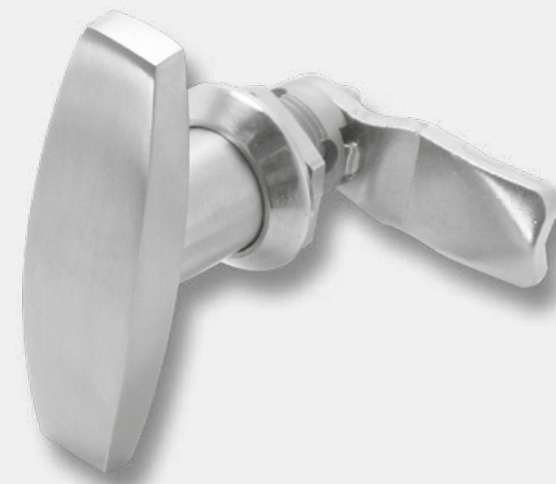
stainless steel AISI 304, for cutout 20.1, lengths 30 and 50

**Advantages**

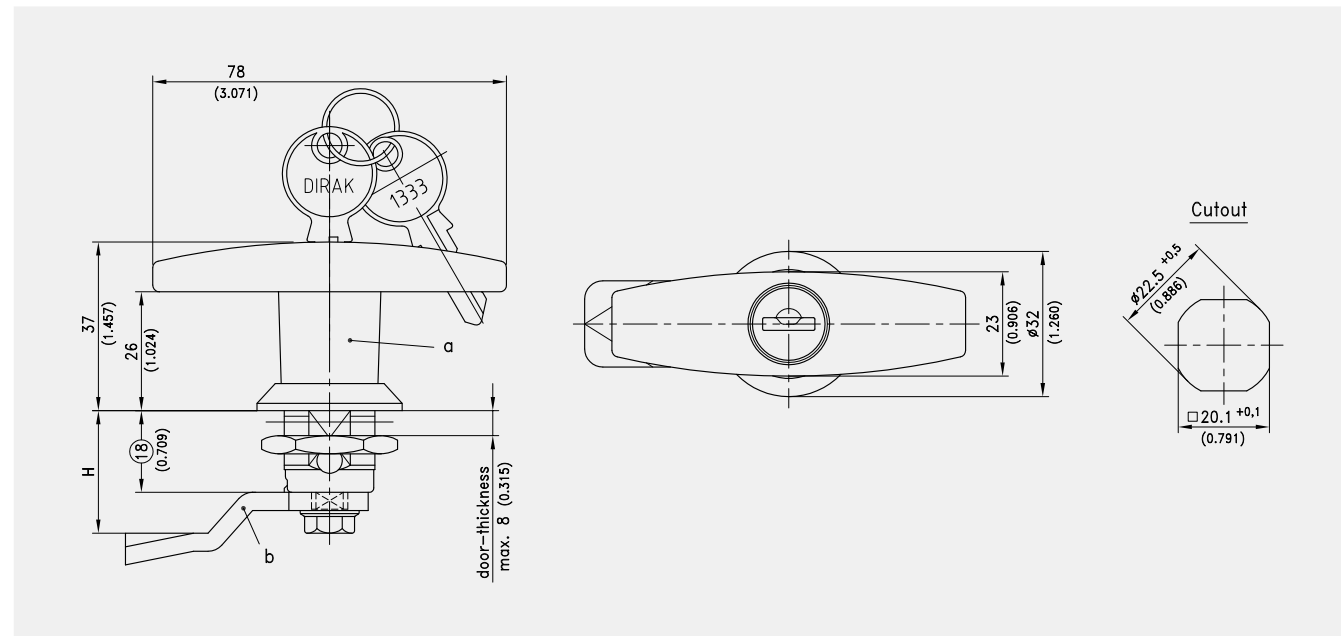
- Quarter-Turn with T-handle with extended housing.
- Maximum door-thickness 20mm / 40mm.
- RH and LH application.
- Single sided grounding nut.
- IP65 according to DIN EN 60529.
- Pre-assembled without cam.
- Further housing lengths on request.
- All lockable handles supplied with two keys.
- **Price and delivery time on request.**

**Materials**

- **Handle:** stainless steel AISI 304, satin polished
- **Housing, grounding nut and adapter:** stainless steel
- **Flat external seal:** NBR, black



- Quarter-Turns
- ±20
- R/L
- IP 65
- 15 Nm
- RoHS WEEE

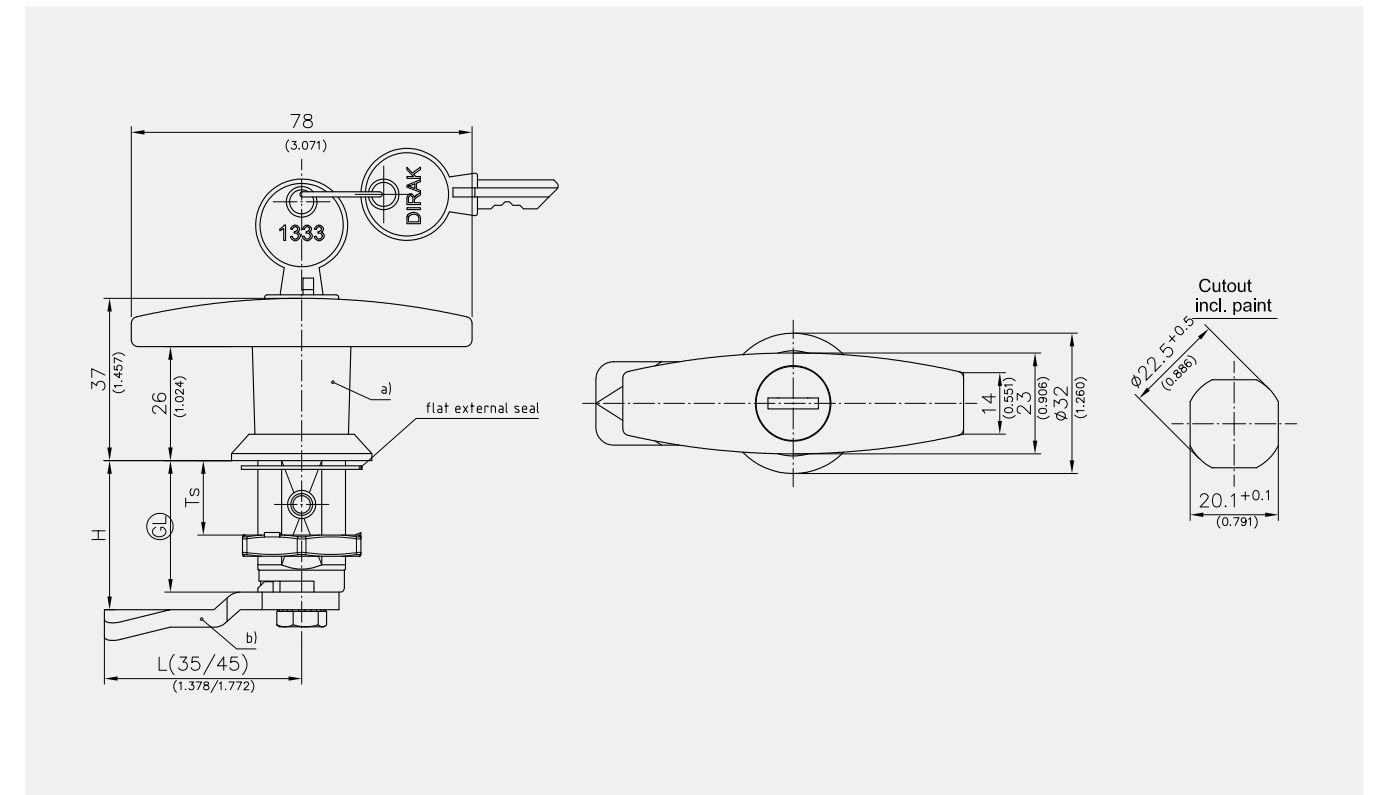


Quarter-Turn with T-handle+fitting nut

	Part Number	Housing length	Latching type	Door-thickness	Grounding type	Installation type
a)	200-9374.00-00000	18 mm		max. 8 mm	Grounding nut	screw-on
a)	200-9398.00-00000	18 mm	keyed alike DIRAK 1333	max. 8 mm	Grounding nut	screw-on
a)	200-9399.00-00000	18 mm	keyed different	max. 8 mm	Grounding nut	screw-on

Accessories	
b)	160 1-102 Cams L35/45 steel
b)	162 7-105 Cams L35/45 stainless steel
b)	167 1-262 Cam variable

Assembly options	
c)	200-0001.00-00000 Assembling cam without o-ring
c)	200-0019.00-00000 Assembling cam 90° to handle without o-ring



Quarter-Turn with T-handle

	Part Number	Housing length	Latching type	Door-thickness	Grounding type	Installation type
a)	100-9401.00-00000	30 mm		max. 20 mm	Grounding nut	screw-on
a)	100-9402.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	Grounding nut	screw-on
a)	100-9403.00-00000	30 mm	keyed different	max. 20 mm	Grounding nut	screw-on
a)	100-9404.00-00000	50 mm		max. 40 mm	Grounding nut	screw-on
a)	100-9405.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	Grounding nut	screw-on
a)	100-9406.00-00000	50 mm	keyed different	max. 40 mm	Grounding nut	screw-on

Accessories	
b)	160 1-102 Cams L35/45 steel
b)	162 7-105 Cams L35/45 stainless steel
b)	167 1-262 Cam variable

Assembly options	
c)	200-0001.00-00000 Assembling cam without o-ring
c)	200-0019.00-00000 Assembling cam 90° to handle without o-ring



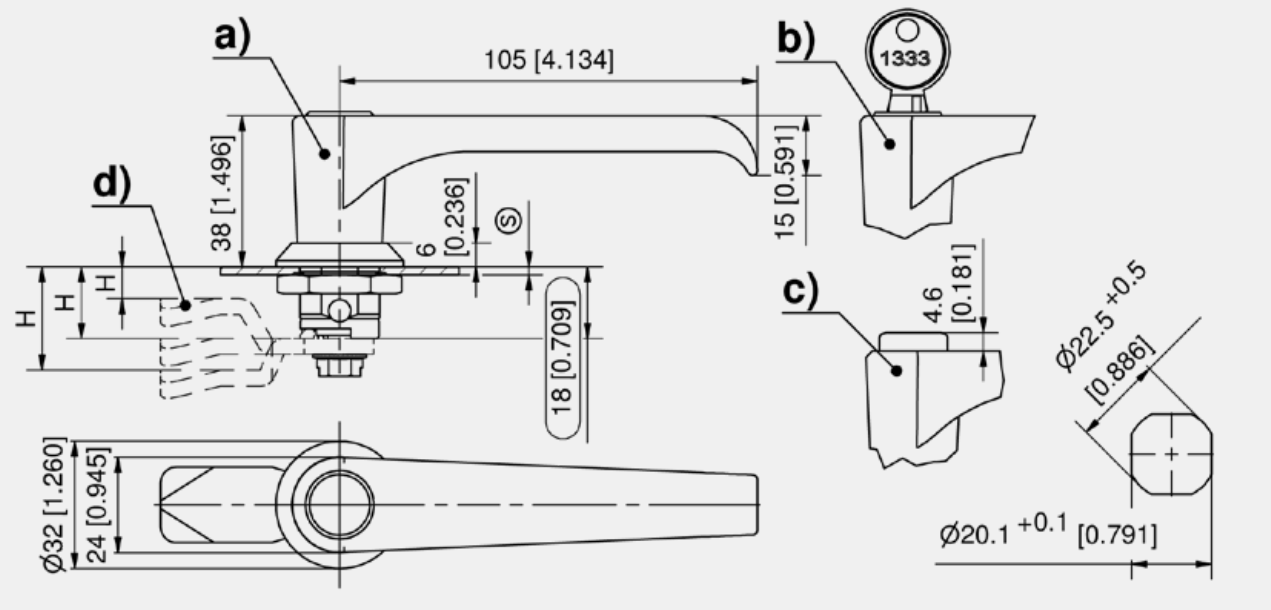
for cutout 20.1, length 18, with or without cylinder

**Advantages**

- Quarter-Turn with L-handle.
- RH or LH application.
- Versions **without cylinder** are water- and dust-tight according to IP65 DIN EN 60529.
- Versions **with cylinder** are water- and dust-tight according to IP54 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.
- All lockable handles supplied with two keys.

**Materials**

- **L-handle:** PA, black with zinc die core or zinc die, chrome plated or black
- **Grounding nut:** zinc die, untreated
- **Cam:** steel, zinc plated



Quarter-Turn with L-handle, PA, black with zinc die core

	Part Number	Housing length	Latching type	IP protection	Grounding type	Door-thickness
a)	200-9401.00-00000	18 mm		IP65	Grounding nut	max. 8 mm
b)	200-9402.00-00000	18 mm	keyed alike DIRAK 1333	IP54	Grounding nut	max. 8 mm
b)	500-9402.00-00000	18 mm	keyed alike DS200	IP54	Grounding nut	max. 8 mm
b)	200-9403.00-00000	18 mm	keyed different	IP54	Grounding nut	max. 8 mm
c)	200-9483.00-00000	18 mm	Push button	IP65	Grounding nut	max. 8 mm

Quarter-Turn with L-handle, zinc die, chrome plated

	Part Number	Housing length	Latching type	IP protection	Grounding type	Door-thickness
a)	200-9419.00-00000	18 mm		IP65	Grounding nut	max. 8 mm
b)	200-9420.00-00000	18 mm	keyed alike DIRAK 1333	IP54	Grounding nut	max. 8 mm
b)	200-9437.00-00000	18 mm	keyed different	IP54	Grounding nut	max. 8 mm
b)	500-9420.00-00000	18 mm	keyed alike DS200	IP54	Grounding nut	max. 8 mm
b)	501-9420.00-00000	18 mm	PAGODA keyed alike	IP54	Grounding nut	max. 8 mm
b)	501-9437.00-00000	18 mm	PAGODA keyed different	IP54	Grounding nut	max. 8 mm

Quarter-Turn with L-handle, zinc die, black

	Part Number	Housing length	Latching type	IP protection	Grounding type	Door-thickness
a)	200-9427.00-00000	18 mm		IP65	Grounding nut	max. 8 mm
b)	200-9428.00-00000	18 mm	keyed alike DIRAK 1333	IP54	Grounding nut	max. 8 mm
b)	200-9438.00-00000	18 mm	keyed different	IP54	Grounding nut	max. 8 mm
b)	500-9428.00-00000	18 mm	keyed alike DS200	IP54	Grounding nut	max. 8 mm
b)	501-9428.00-00000	18 mm	PAGODA keyed alike	IP65	Grounding nut	max. 8 mm
b)	501-9438.00-00000	18 mm	PAGODA keyed different	IP54	Grounding nut	max. 8 mm

Accessories	
d)	160 1-102 Cams L35/45 steel
d)	167 1-262 Cam variable

Assembly options	
	200-0001.00-00000 Assembling cam without o-ring
	200-0019.00-00000 Assembling cam 90° to handle without o-ring
	200-0020.00-00000 Assembling cam, LH door

Quarter-Turn with L-handle, PA, black

	Part Number	Housing length	Latching type	Door-thickness	IP protection	Grounding type
a)	200-9404.00-00000	30 mm		max. 20 mm	IP65	Grounding nut
a)	200-9407.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	Grounding nut
a)	500-9407.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	Grounding nut
a)	200-9410.00-00000	30 mm	keyed different	max. 20 mm	IP54	Grounding nut
a)	200-9405.00-00000	40 mm		max. 30 mm	IP65	Grounding nut
a)	200-9408.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	Grounding nut
a)	500-9408.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	Grounding nut
a)	200-9411.00-00000	40 mm	keyed different	max. 30 mm	IP54	Grounding nut
a)	200-9406.00-00000	50 mm		max. 40 mm	IP65	Grounding nut
a)	200-9409.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	Grounding nut
a)	500-9409.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	Grounding nut
a)	200-9412.00-00000	50 mm	keyed different	max. 40 mm	IP54	Grounding nut
a)	200-9414.00-00000	60 mm		max. 50 mm	IP65	Grounding nut
a)	200-9415.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	Grounding nut
a)	500-9415.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	Grounding nut
a)	200-9416.00-00000	60 mm	keyed different	max. 50 mm	IP54	Grounding nut

Quarter-Turn with L-handle, zinc die, chrome plated

	Part Number	Housing length	Latching type	Door-thickness	IP protection	Grounding type
a1)	200-9439.00-00000	30 mm		max. 20 mm	IP65	Grounding nut
a1)	200-9443.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	Grounding nut
a1)	200-9447.00-00000	30 mm	keyed different	max. 20 mm	IP54	Grounding nut
a1)	501-9443.00-00000	30 mm	PAGODA keyed alike	max. 20 mm	IP54	Grounding nut
a1)	501-9447.00-00000	30 mm	PAGODA keyed different	max. 20 mm	IP54	Grounding nut
a1)	200-9440.00-00000	40 mm		max. 30 mm	IP65	Grounding nut
a1)	200-9444.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	Grounding nut
a1)	500-9444.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	Grounding nut
a1)	200-9448.00-00000	40 mm	keyed different	max. 30 mm	IP54	Grounding nut
a1)	501-9444.00-00000	40 mm	PAGODA keyed alike	max. 30 mm	IP54	Grounding nut
a1)	501-9448.00-00000	40 mm	PAGODA keyed different	max. 30 mm	IP54	Grounding nut
a1)	200-9441.00-00000	50 mm		max. 40 mm	IP65	Grounding nut
a1)	200-9445.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	Grounding nut
a1)	200-9449.00-00000	50 mm	keyed different	max. 40 mm	IP54	Grounding nut
a1)	501-9445.00-00000	50 mm	PAGODA keyed alike	max. 40 mm	IP54	Grounding nut
a1)	501-9449.00-00000	50 mm	PAGODA keyed different	max. 40 mm	IP54	Grounding nut
a1)	200-9442.00-00000	60 mm		max. 50 mm	IP65	Grounding nut
a1)	200-9446.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	Grounding nut
a1)	200-9450.00-00000	60 mm	keyed different	max. 50 mm	IP54	Grounding nut
a1)	501-9446.00-00000	60 mm	PAGODA keyed alike	max. 50 mm	IP54	Grounding nut
a1)	501-9450.00-00000	60 mm	PAGODA keyed different	max. 50 mm	IP54	Grounding nut

Quarter-Turn with L-handle, zinc die, black

	Part Number	Housing length	Latching type	Door-thickness	IP protection	Grounding type
a2)	200-9451.00-00000	30 mm		max. 20 mm	IP65	Grounding nut
a2)	200-9455.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	Grounding nut
a2)	200-9459.00-00000	30 mm	keyed different	max. 20 mm	IP54	Grounding nut
a2)	501-9455.00-00000	30 mm	PAGODA keyed alike	max. 20 mm	IP54	Grounding nut
a2)	501-9459.00-00000	30 mm	PAGODA keyed different	max. 20 mm	IP54	Grounding nut
a2)	200-9452.00-00000	40 mm		max. 30 mm	IP65	Grounding nut
a2)	200-9456.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	Grounding nut
a2)	500-9456.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	Grounding nut
a2)	200-9460.00-00000	40 mm	keyed different	max. 30 mm	IP54	Grounding nut
a2)	501-9456.00-00000	40 mm	PAGODA keyed alike	max. 30 mm	IP54	Grounding nut
a2)	501-9460.00-00000	40 mm	PAGODA keyed different	max. 30 mm	IP54	Grounding nut
a2)	200-9453.00-00000	50 mm		max. 40 mm	IP65	Grounding nut
a2)	200-9457.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	Grounding nut
a2)	500-9457.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	Grounding nut
a2)	200-9461.00-00000	50 mm	keyed different	max. 40 mm	IP54	Grounding nut
a2)	501-9457.00-00000	50 mm	PAGODA keyed alike	max. 40 mm	IP54	Grounding nut
a2)	501-9461.00-00000	50 mm	PAGODA keyed different	max. 40 mm	IP54	Grounding nut
a2)	200-9454.00-00000	60 mm		max. 50 mm	IP65	Grounding nut
a2)	200-9458.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	Grounding nut
a2)	500-9458.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	Grounding nut
a2)	200-9462.00-00000	60 mm	keyed different	max. 50 mm	IP54	Grounding nut
a2)	501-9458.00-00000	60 mm	PAGODA keyed alike	max. 50 mm	IP54	Grounding nut
a2)	501-9462.00-00000	60 mm	PAGODA keyed different	max. 50 mm	IP54	Grounding nut

Accessories	
b)	160 1-102 Cams L35/45 steel
b)	167 1-262 Cam variable

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Advantages

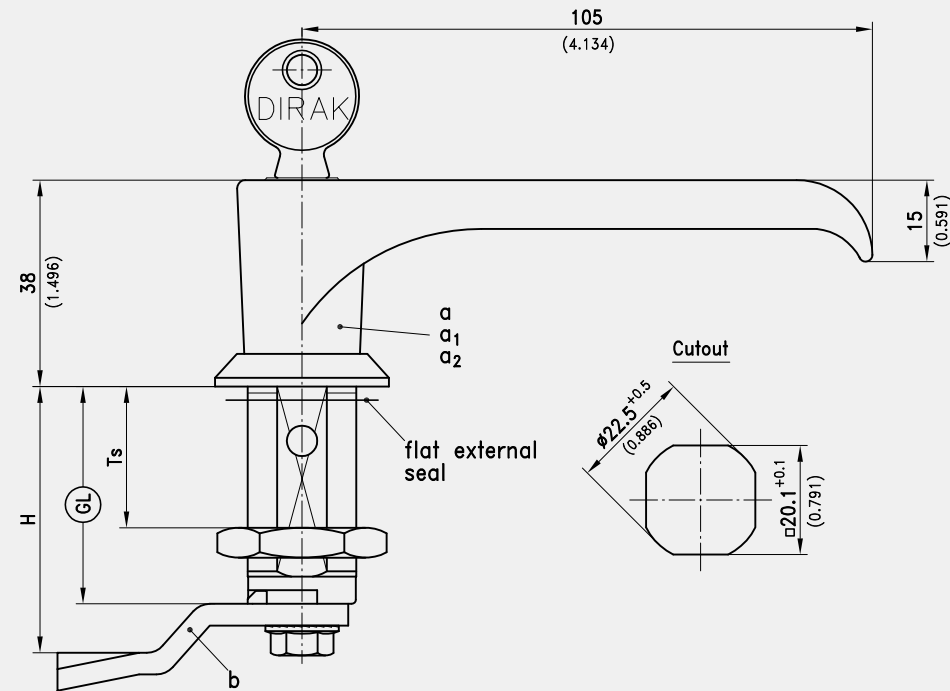
- Quarter-Turn with L-handle with extended housing and plain/grounding nut.
- Maximum door-thickness 50mm.
- All versions of L-handles are supplied complete with housing.
- Versions **without cylinder** are water- and dust-tight according to IP65 DIN EN 60529.
- Versions **with cylinder** are water- and dust-tight according to IP54 DIN EN 60529.
- Housings with L=36mm on request.
- Detailed dimensions of the handles see product system 1-150.

Materials

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

Remarks

All lockable handles supplied with 2 keys.





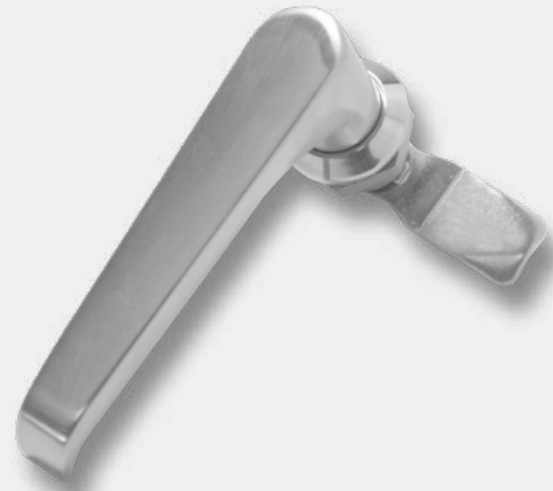
stainless steel AISI 316, for cutout 20.1, length 18

**Advantages**

- Quarter-Turn with L-handle.
- RH or LH application.
- IP65 according to 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.
- All lockable handles supplied with two keys.
- **Price and delivery time on request.**

**Materials**

- **L-handle:** completely stainless steel AISI 316, surface polished
- **Nut and cam:** stainless steel



Quarter-Turns

- ↕ 20 ↕
- R L
- ⏚
- IP 65
- 15 Nm
- RoHS WEEE

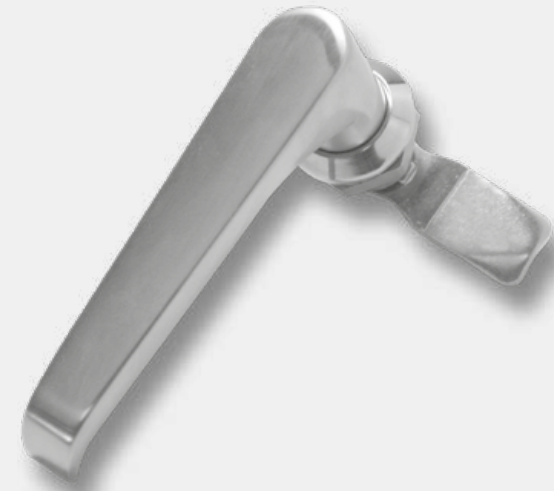
stainless steel AISI 316, for cutout 20.1, lengths 30 and 50

**Advantages**

- Quarter-Turn with L-handle with extended housing.
- Maximum door-thickness 20mm / 40mm.
- RH and LH application.
- Single sided grounding nut.
- IP65 according to DIN EN 60529.
- Pre-assembled without cam.
- Further housing lengths on request.
- All lockable handles supplied with two keys.
- **Price and delivery time on request.**

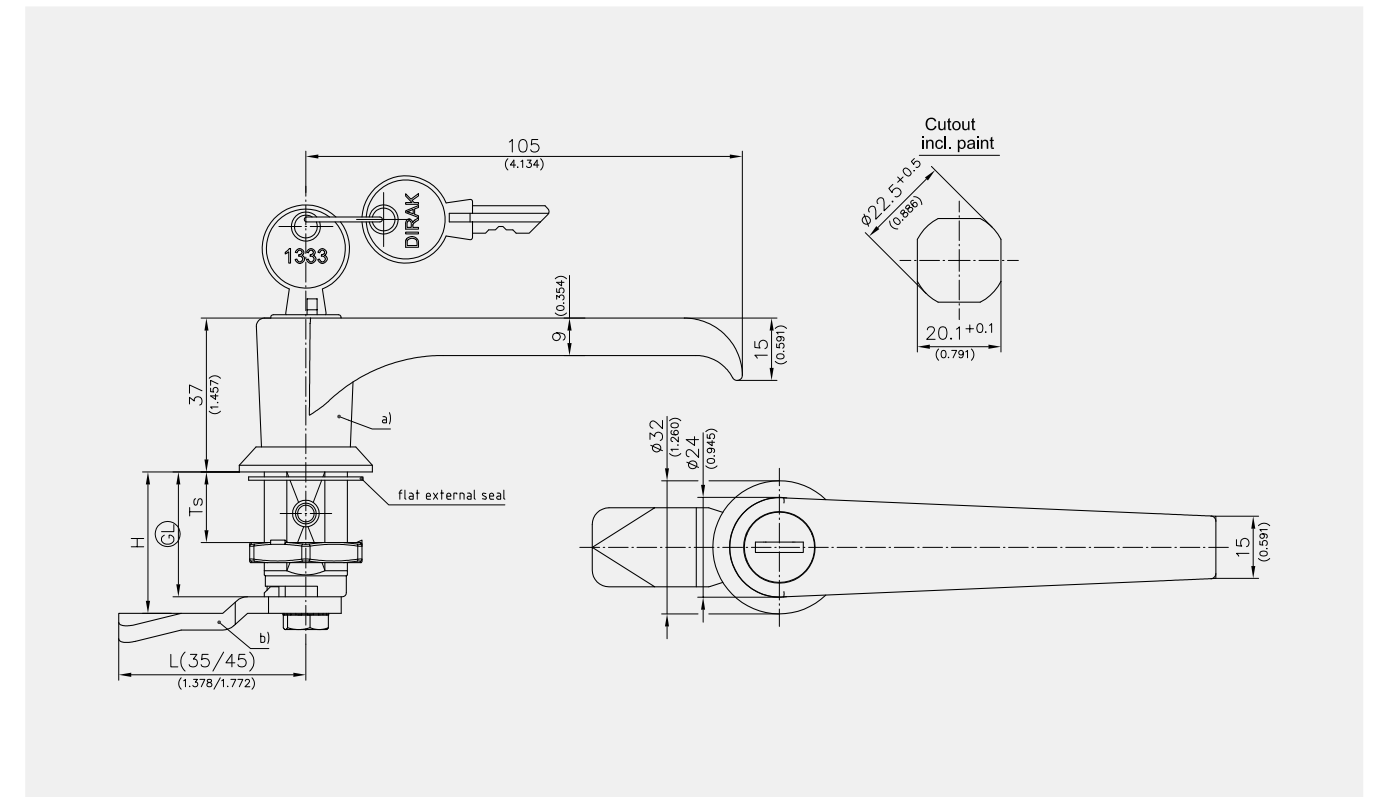
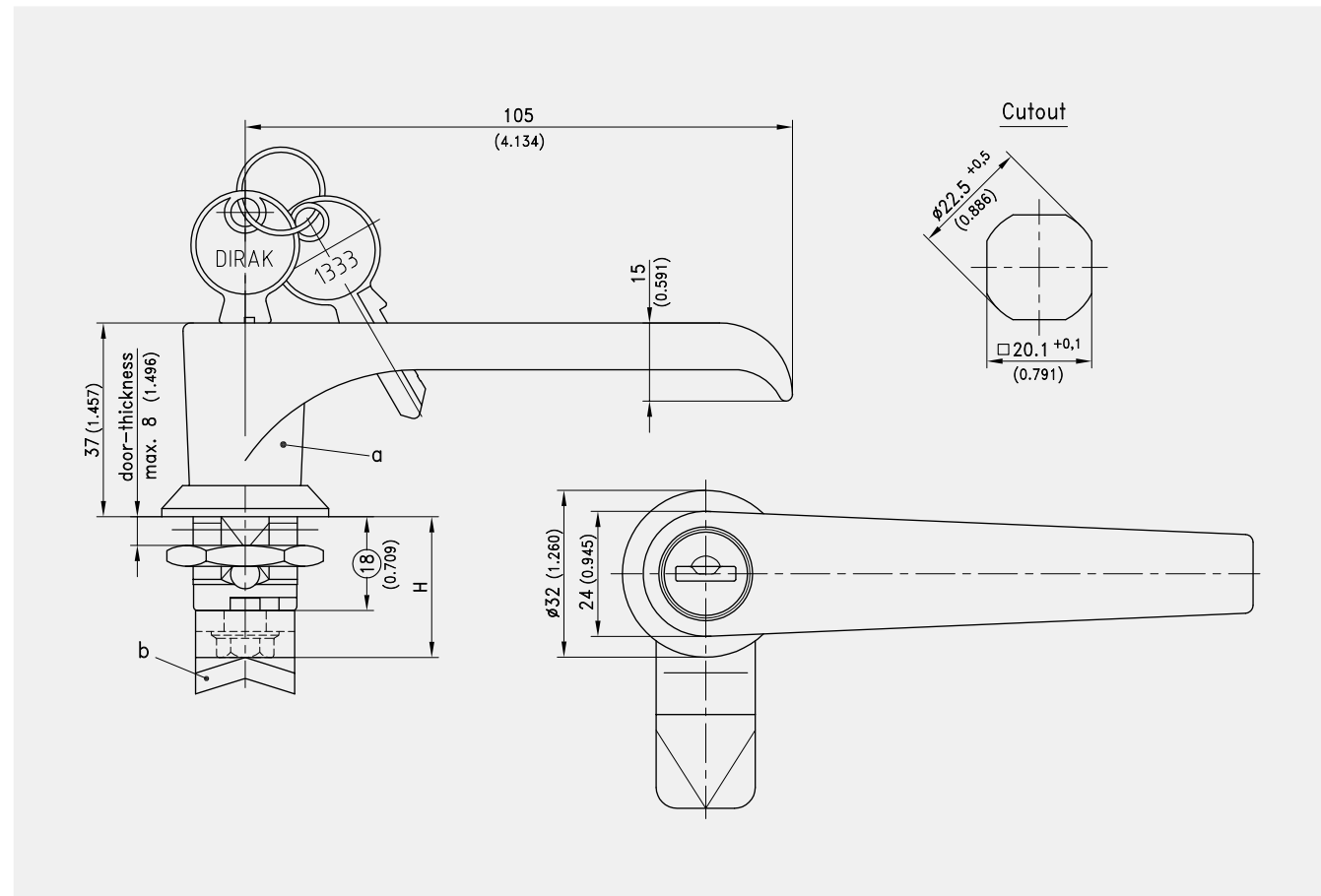
**Materials**

- **Handle:** AISI 316, satin polished
- **Housing, grounding nut and adapter:** stainless steel
- **Flat external seal:** NBR, black



Quarter-Turns

- ↕ 20 ↕
- R L
- ⏚
- IP 65
- 15 Nm
- RoHS WEEE



Quarter-Turn with L-Handle

	Part Number	Housing length	Latching type	Door-thickness	Grounding type	Material	Installation type
a)	200-9418.00-00000	18 mm		max. 8 mm	Grounding nut	Stainless Steel	screw-on
a)	200-9485.00-00000	18 mm	keyed alike DIRAK 1333	max. 8 mm	Grounding nut	Stainless Steel	screw-on
a)	200-9486.00-00000	18 mm	keyed different	max. 8 mm	Grounding nut	Stainless Steel	screw-on

Accessories	
b)	160 1-102 Cams L35/45 steel
b)	162 7-105 Cams L35/45 stainless steel
b)	167 1-262 Cam variable

Assembly options	
c)	200-0001.00-00000 Assembling cam without o-ring
c)	200-0019.00-00000 Assembling cam 90° to handle without o-ring
c)	200-0020.00-00000 Assembling cam, LH door

Quarter-Turn with L-handle

	Part Number	Housing length	Latching type	Door-thickness	Grounding type	Installation type
a)	100-9407.00-00000	30 mm		max. 20 mm	Grounding nut	screw-on
a)	100-9408.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	Grounding nut	screw-on
a)	100-9409.00-00000	30 mm	keyed different	max. 20 mm	Grounding nut	screw-on
a)	100-9410.00-00000	50 mm		max. 40 mm	Grounding nut	screw-on
a)	100-9411.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	Grounding nut	screw-on
a)	100-9412.00-00000	50 mm	keyed different	max. 40 mm	Grounding nut	screw-on

Accessories	
b)	160 1-102 Cams L35/45 steel
b)	162 7-105 Cams L35/45 stainless steel
b)	167 1-262 Cam variable

Assembly options	
c)	200-0001.00-00000 Assembling cam without o-ring
c)	200-0019.00-00000 Assembling cam 90° to handle without o-ring
c)	200-0020.00-00000 Assembling cam, LH door



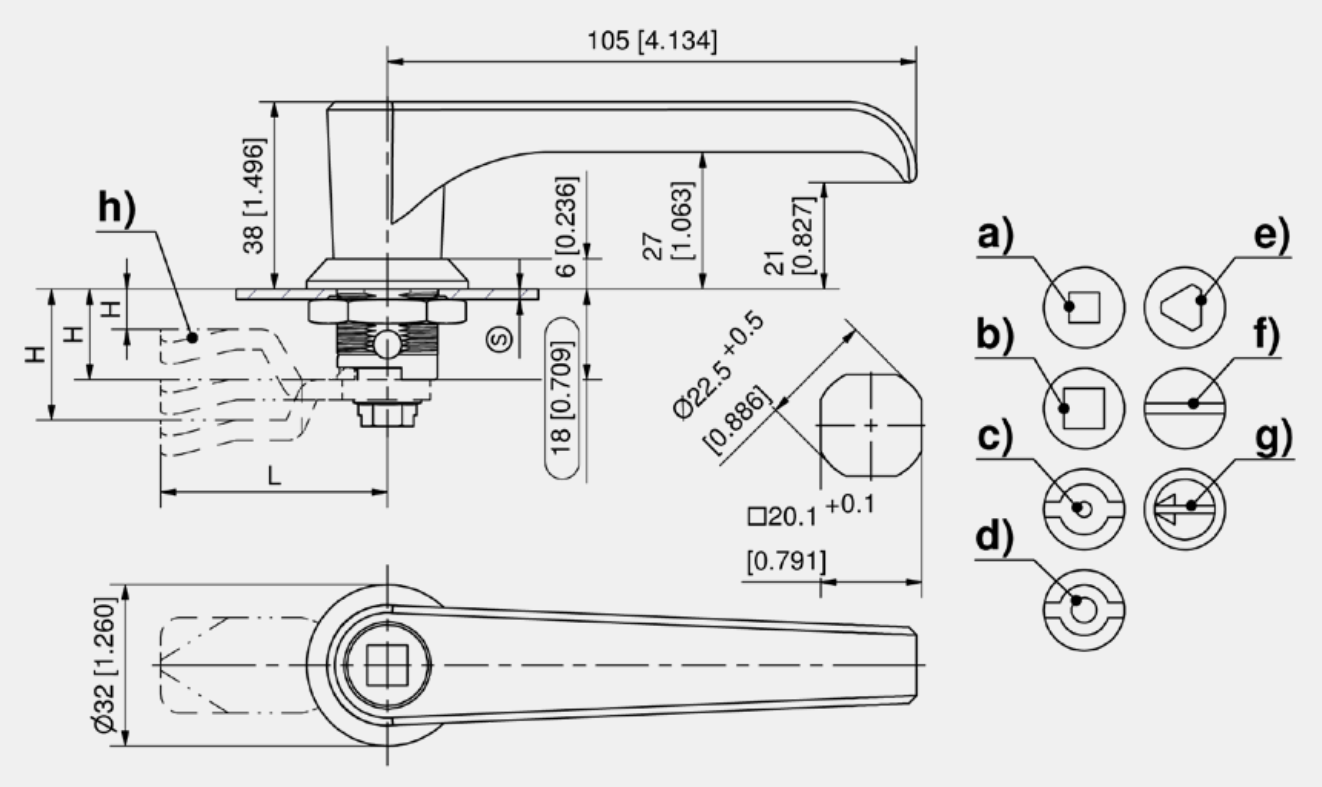
for cutout 20.1, length 18, with different inserts

**Advantages**

- Quarter-Turn with L-handle for inserts.
- RH or LH application.
- IP65 according to DIN EN 60529.
- The radial spring loaded insert automatically locks the handle when the handle rotates back into the closed position.
- This Quarter-Turn with 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.

**Materials**

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



Quarter-Turn with L-handle, PA, black with zinc die core

	Part Number	Housing length	Door-thickness	Insert	Grounding type
a)	200-9429.00-00000	18 mm	max. 8 mm	Square 6mm	Grounding nut
b)	200-9431.00-00000	18 mm	max. 8 mm	Square 8mm	Grounding nut
c)	200-9432.00-00000	18 mm	max. 8 mm	Double bit 3mm pin	Grounding nut
d)	200-9433.00-00000	18 mm	max. 8 mm	Double bit 5mm pin	Grounding nut
e)	200-9435.00-00000	18 mm	max. 8 mm	Triangular 8mm	Grounding nut
f)	200-9436.00-00000	18 mm	max. 8 mm	Slotted 2x4mm	Grounding nut
g)	200-9475.00-00000	18 mm	max. 8 mm	Slotted recessed coinproof	Grounding nut

Accessories	
+	758 6-100 Key
+	h) 160 1-102 Cams L35/45 steel
+	h) 167 1-262 Cam variable

Assembly options	
+	200-0001.00-00000 Assembling cam without o-ring
+	200-0019.00-00000 Assembling cam 90° to handle without o-ring
+	200-0020.00-00000 Assembling cam, LH door



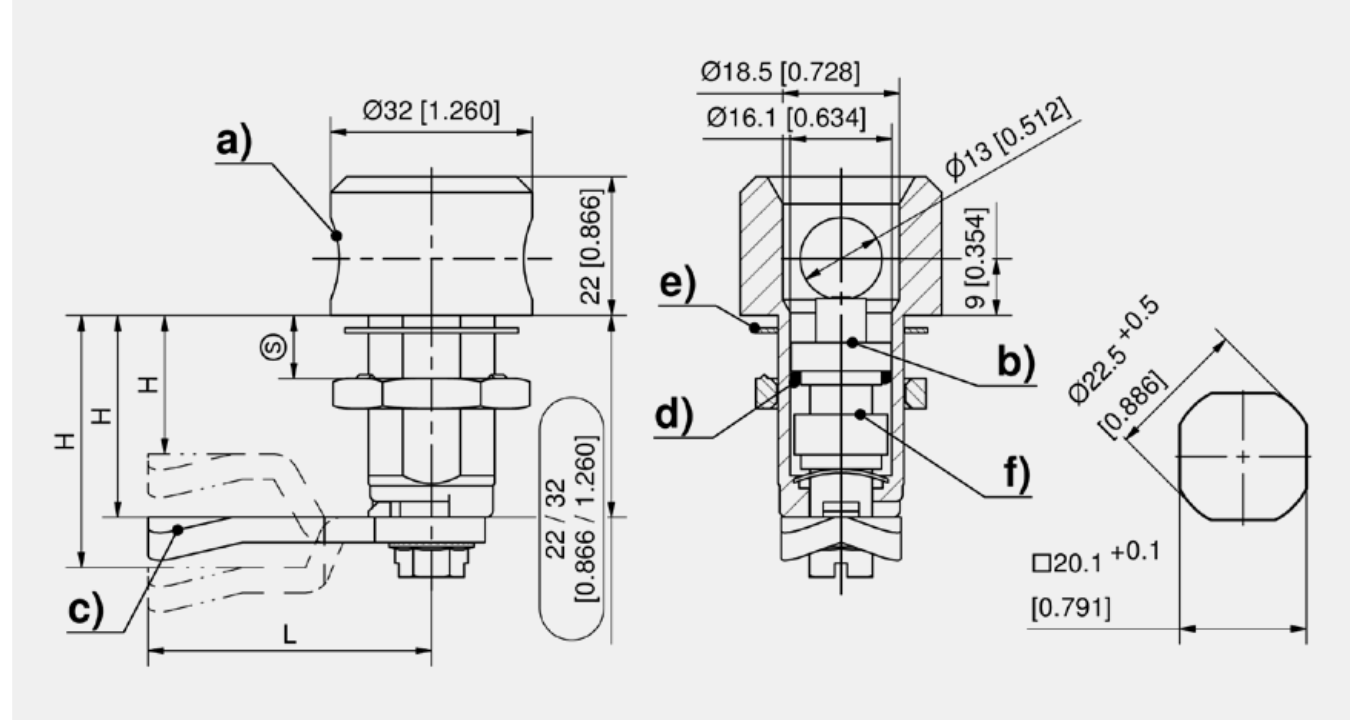
for cutout 20.1, lengths 22 and 32

**Advantages**

- 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.
- IP65 according to DIN EN 60529 by sealing kit.

**Materials**

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



Quarter-Turn

	Part Number	Housing length	Door-thickness	Grounding type	Material	Surface
a)	200-9082.00-00000	22 mm	max. 12 mm	Grounding nut	zinc die	chrome plated
a)	200-9083.00-00000	22 mm	max. 12 mm	Grounding nut	zinc die	black
a)	200-9084.00-00000	32 mm	max. 22 mm	Grounding nut	zinc die	chrome plated
a)	200-9085.00-00000	32 mm	max. 22 mm	Grounding nut	zinc die	black

Accessories	
+	b) 156 1-101 Inserts Pr20.1
+	c) 160 1-102 Cams L35/45 steel
+	f) 200-9031.00-00000 Adapter set L20

Function extension	
*	d) and e) 209-9002.00-00000 Sealing kit IP65 for 200-Quarter-Turns

# Quarter-Turn with Wing Knob Pr20.1 L18/40 [1-132]



for cutout 20.1, lengths 18 and 40, for padlock

**Advantages**

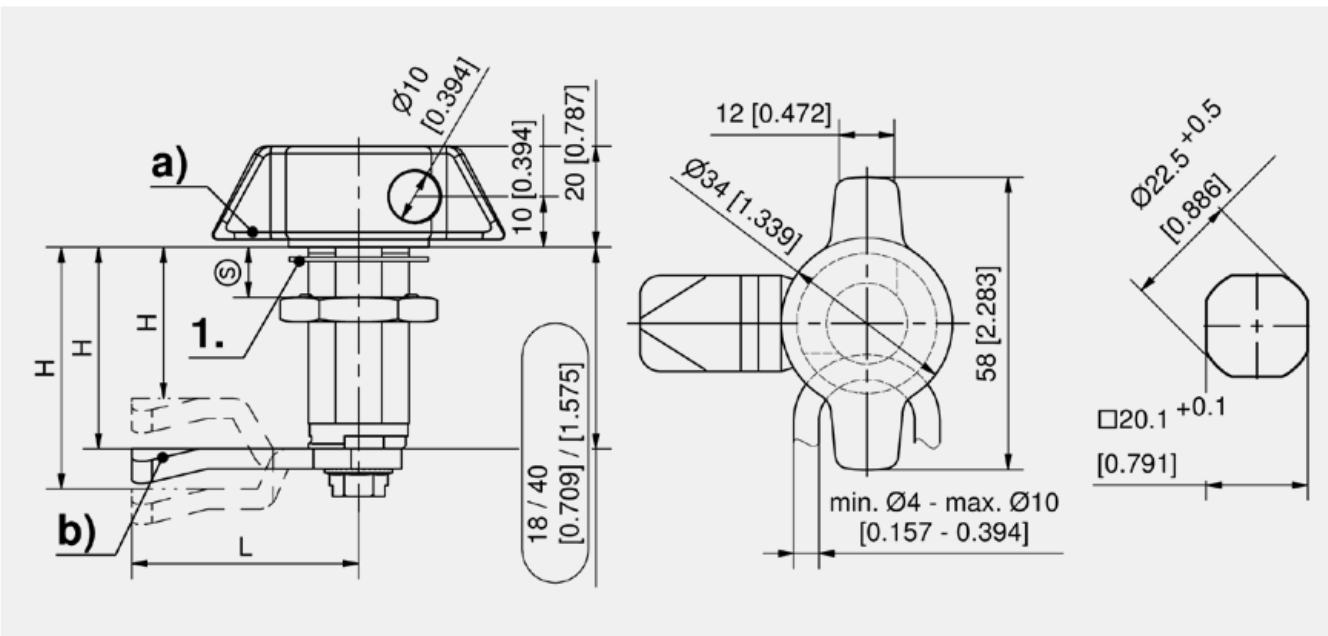
- Quarter-Turn with wing knob for padlock, screw-in type.
- RH or LH application
- IP65 according to DIN EN 60529.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **Padlock feature only if cam is at 90° to the handle.**

**Materials**

- **Wing knob:** zinc die, chrome plated or black
- **Housing:** zinc die, zinc plated
- **Cam:** steel, zinc plated

**Remarks**

1. = Seal



Quarter-Turn with wing knob, zinc die, chrome plated

Part Number	Housing length	Door-thickness	Grounding type	Installation type
a) 200-9364.00-00000	18 mm	max. 8 mm	Grounding nut	screw-on
a) 100-9310.00-00000	40 mm	max. 30 mm	Grounding nut	screw-on

Quarter-Turn with wing knob, zinc die, black

Part Number	Version	Housing length	Door-thickness	Grounding type	Installation type
a) 200-9365.00-00000	E-coated	18 mm	max. 8 mm	Grounding nut	screw-on
a) 100-9311.00-00000	E-coated	40 mm	max. 30 mm	Grounding nut	screw-on
a) 200-9365.TX-00000	Textured powder, black	18 mm	max. 8 mm	Grounding nut	screw-on
a) 100-9311.TX-00000	Textured powder, black	40 mm	max. 30 mm	Grounding nut	screw-on

Accessories	
b) 160	1-102 Cams L35/45 steel
b) 167	1-262 Cam variable

Assembly options	
200-0020.00-00000	Assembling cam, LH door
200-0021.00-00000	Assembling cam, RH door

# Quarter-Turn with Wing Knob Pr20.1 L18 [7-085]



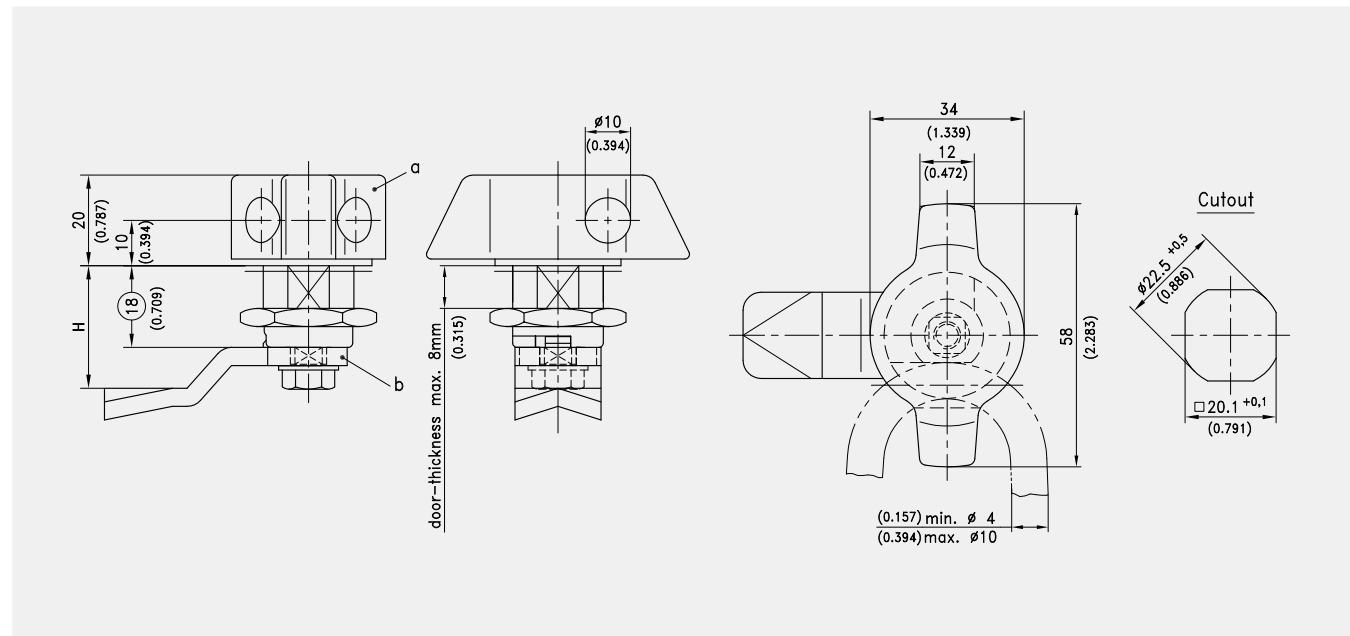
for cutout 20.1, length 18, for padlock, stainless steel AISI 316

**Advantages**

- Quarter-Turn with wing for padlock.
- RH or LH application.
- IP65/67 according to 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 winghandle.**

**Materials**

- **Wing:** stainless steel AISI 316, surface polished
- **Housing, nut and cam:** stainless steel



Quarter-Turn with wing knob

Part Number	Housing length	Door-thickness	Material	Grounding type	Installation type
a) 200-9375.00-00000	18 mm	max. 8 mm	Stainless Steel	Grounding nut	screw-on

Accessories	
b) 160	1-102 Cams L35/45 steel
b) 162	7-105 Cams L35/45 stainless steel
b) 167	1-262 Cam variable

Assembly options	
c) 200-0019.00-00000	Assembling cam 90° to handle without o-ring
c) 200-0020.00-00000	Assembling cam, LH door





for cutout 20.1, only for padlock, lengths 18 and 40

**Advantages**

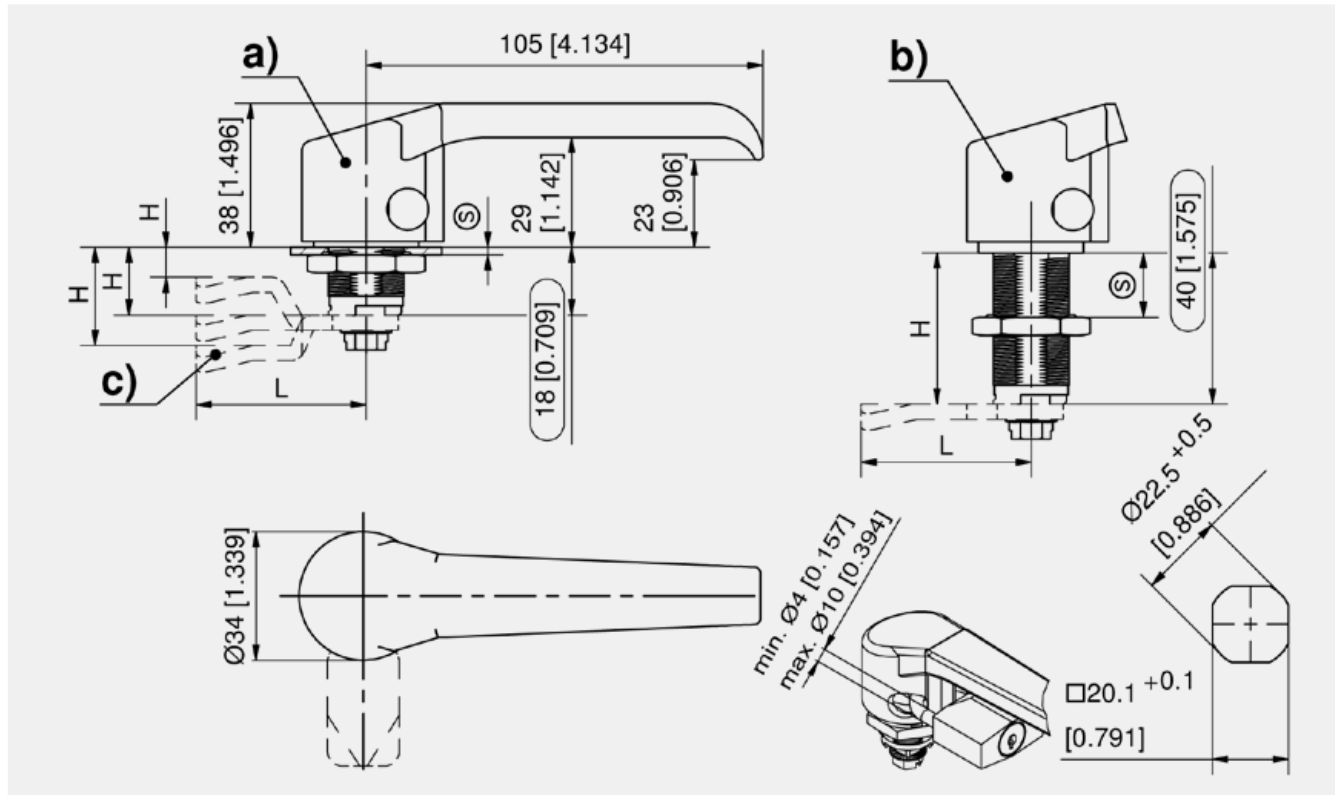
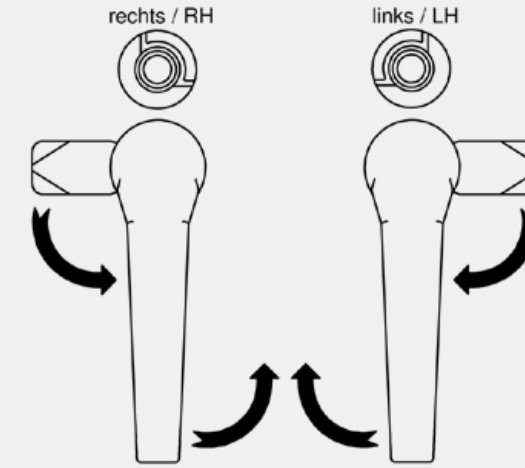
- Quarter-Turn with L-handle for padlock with 90° rotation.
- Screw-in type.
- RH or LH application.
- IP65 according to DIN EN 60529.
- The Quarter-Turn consists of two basic components which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **Padlock feature only if cam is at 90° to the handle.**

**Materials**

- **L-handle:** zinc die, chrome plated or black
- **Housing:** zinc die, zinc plated
- **Cam:** steel, zinc plated

**Einbauanleitung für 1-154 und 154.01 / installation instructions for 1-154 and 154.01**

Einbaustellung des Gehäuses, gesehen von der Türseite, bei: / fitting position of housing, seen from outside of the door, at:



Quarter-Turn with L-Handle

	Part Number	Housing length	Door-thickness	Surface	Version	Grounding type	Installation type
a)	200-9463.00-00000	18 mm	max. 8 mm	chrome plated	glossy	Grounding nut	screw-on
a)	200-9464.00-00000	18 mm	max. 8 mm	black	E-coated	Grounding nut	screw-on
a)	200-9464.TX-00000	18 mm	max. 8 mm	black	Textured powder, black	Grounding nut	screw-on
b)	200-9491.00-00000	40 mm	max. 30 mm	chrome plated	glossy	Grounding nut	screw-on
b)	200-9492.00-00000	40 mm	max. 30 mm	black	E-coated	Grounding nut	screw-on
b)	200-9492.TX-00000	40 mm	max. 30 mm	black	Textured powder, black	Grounding nut	screw-on

Accessories	
c)	160 1-102 Cams L35/45 steel
c)	167 1-262 Cam variable

Assembly options	
200-0020.00-00000	Assembling cam, LH door
200-0021.00-00000	Assembling cam, RH door



### Advantages

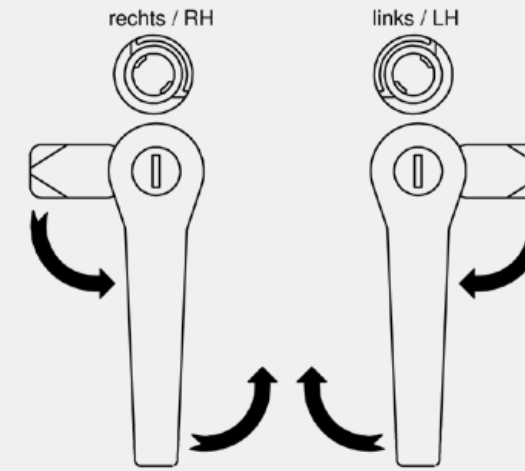
- Quarter-Turn with L-handle for padlock with cylinder barrel or spring-loaded slotted insert.
- Screw-in type.
- RH / LH application.
- IP65 according to DIN EN 60529.
- This L-Handle consists of two basic parts which can be combined to suit your application.
- On request parts can be assembled by DIRAK.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- **Padlock feature only if cam is at 90° to the handle.**
- All lockable handles supplied with two keys.

### Materials

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

## Einbauanleitung für 1-154 und 154.01 / installation instructions for 1-154 and 154.01

Einbaustellung des Gehäuses, gesehen von der Türseite, bei: / fitting position of housing, seen from outside of the door, at:

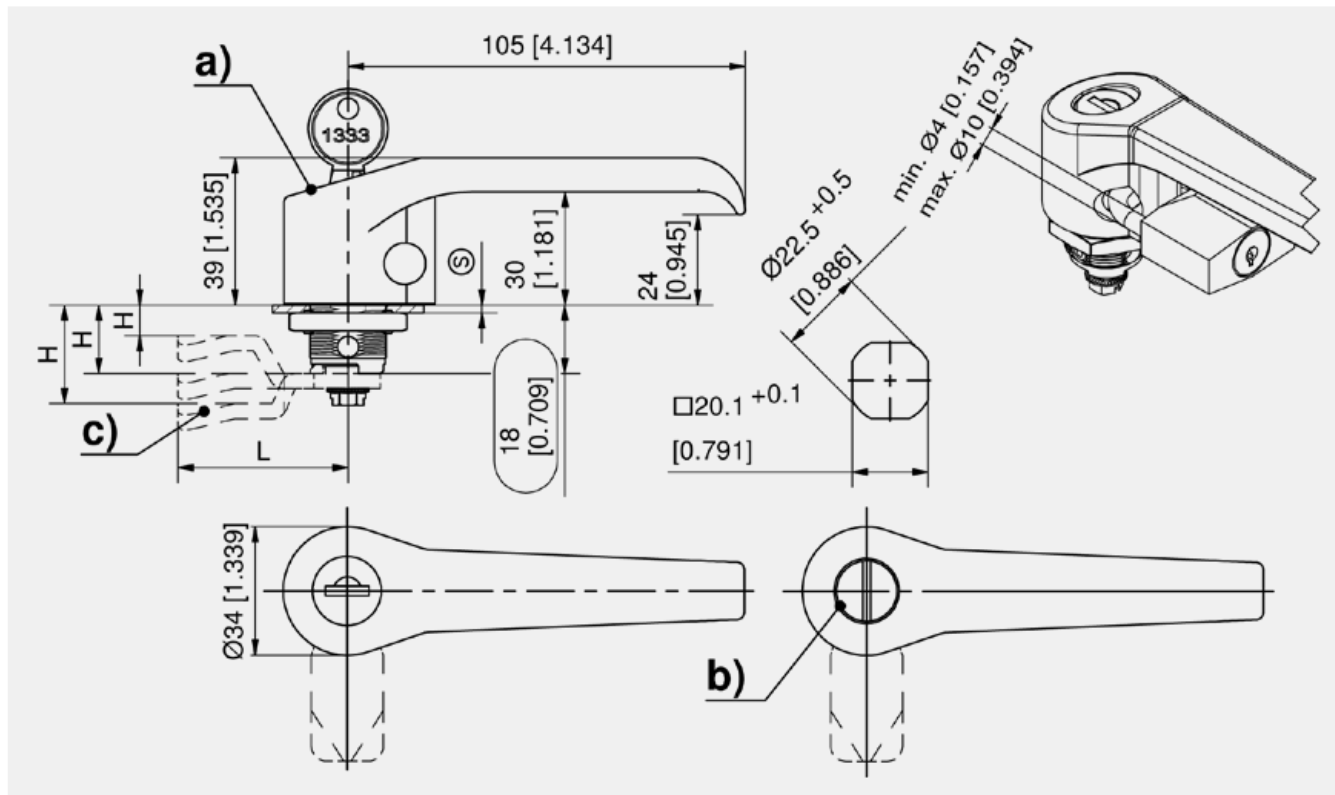


### Quarter-Turn with L-Handle for padlock

	Part Number	Housing length	Door-thickness	Insert	Latching type	Grounding type	Surface	Version
a)	200-9488.00-00000	18 mm	max. 8 mm		keyed alike DIRAK 1333	Grounding nut	black	E-coated
a)	200-9488.TX-00000	18 mm	max. 8 mm		keyed alike DIRAK 1333	Grounding nut	black	Textured powder, black
a)	200-9490.00-00000	18 mm	max. 8 mm		keyed different	Grounding nut	black	E-coated
a)	200-9490.TX-00000	18 mm	max. 8 mm		keyed different	Grounding nut	black	Textured powder, black
b)	200-9489.00-00000	18 mm	max. 8 mm	Slotted 2x4mm		Grounding nut	black	E-coated
b)	200-9489.TX-00000	18 mm	max. 8 mm	Slotted 2x4mm		Grounding nut	black	Textured powder, black

Accessories	
c)	160 1-102 Cams L35/45 steel
c)	167 1-262 Cam variable

Assembly options	
	200-0020.00-00000 Assembling cam, LH door
	200-0021.00-00000 Assembling cam, RH door



stainless steel AISI 316, for cutout 20.1, length 18, for padlock

**Advantages**

- Quarter-Turn with L-handle for padlock.
- RH or LH application.
- IP65 according to 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 L-handle.**

**Materials**

- **L-Handle:** completely stainless steel AISI 316, surface polished
- **Grounding nut and cam:** stainless steel



- Quarter-Turns
- +20
- R L
- IP 65
- 15 Nm
- RoHS WEEE

**Advantages**

- For the standard cutout and additional hole for the padlock eyelet.
- The 2-point fixing prevents tempering.
- RH / 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.
- IP65 according to DIN EN 60529 by o-ring, flat external seal and washer.

**Materials**

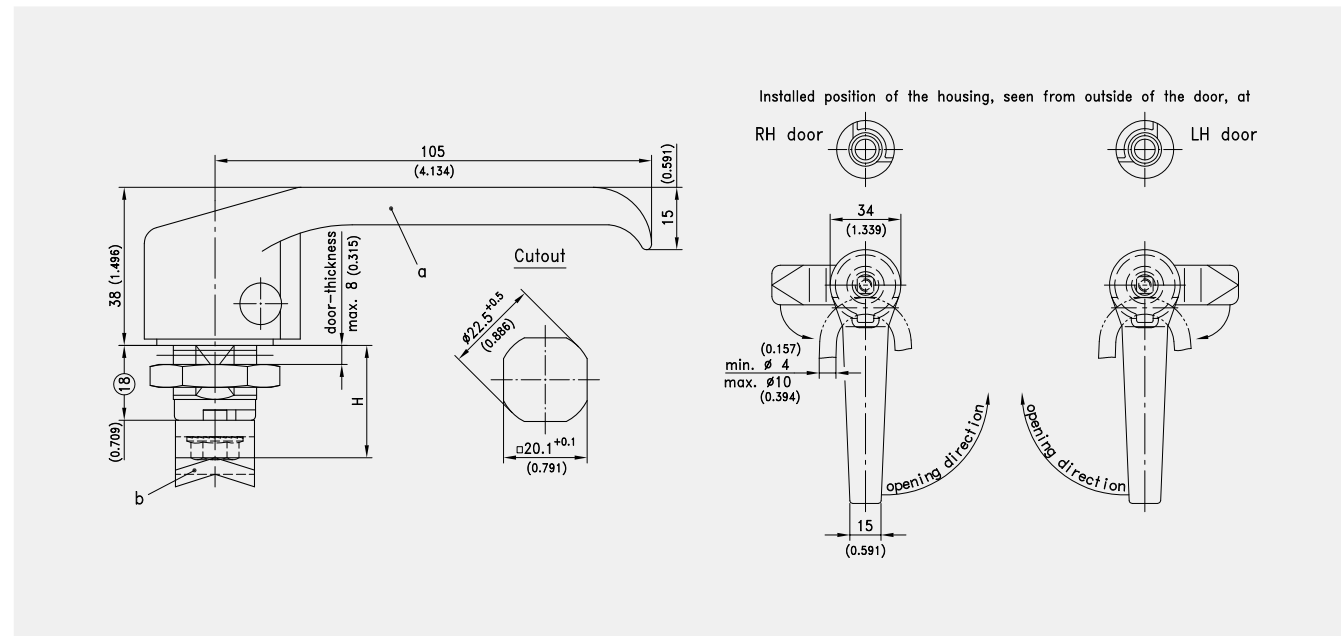
- **Housing, stop and handle:** zinc die, black
- **Nut and hex.screw:** steel
- **Internal wave washer:** steel, zinc plated

**Remarks**

1. = closed version
2. = RH version
3. = LH version



- Quarter-Turns
- +20
- R L
- IP 65
- 15 Nm
- RoHS WEEE

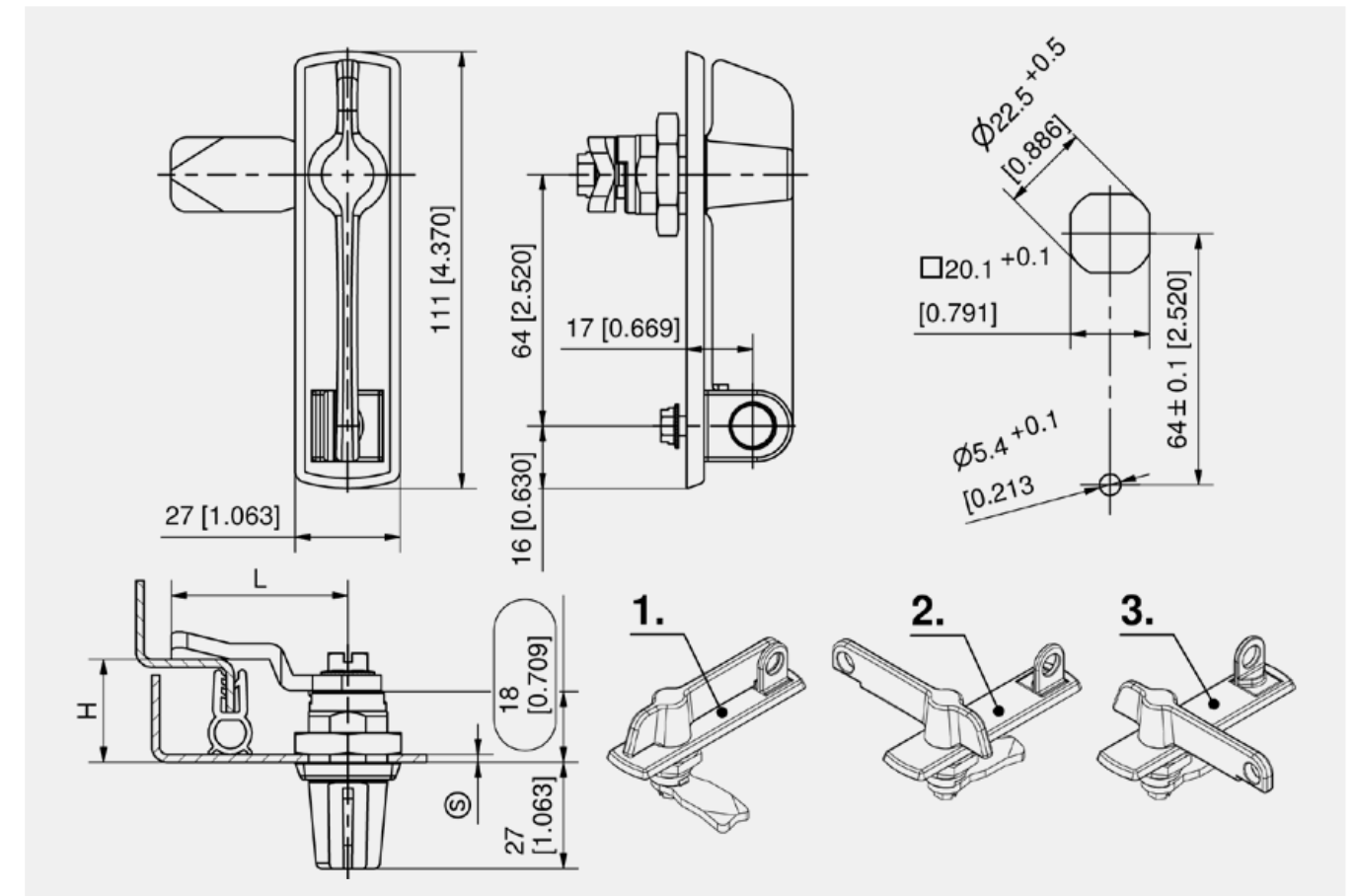


Quarter-Turn with L-Handle

Part Number	Housing length	Door-thickness	Grounding type	Material	Installation type
a) 200-9481.00-00000	18 mm	max. 8 mm	Grounding nut	Stainless Steel	screw-on

Accessories	
b) 160	1-102 Cams L35/45 steel
b) 162	7-105 Cams L35/45 stainless steel
b) 167	1-262 Cam variable

Assembly options	
c) 200-0019.00-00000	Assembling cam 90° to handle without o-ring
c) 200-0020.00-00000	Assembling cam, LH door



L-wing-handle

Part Number	Housing length	Door-thickness	Material	Surface
281-9101.00-00000	18 mm	max. 8 mm	zinc die	black

Accessories	
160	1-102 Cams L35/45 steel
167	1-262 Cam variable
200-1001.00-00000	O-ring 12 x 2.0mm
200-0904.00-00000	Flat external seal Ø21.8mm / 26.5mm
832-0125.00-00005	Washer



for cutout 20.1, length 18, for padlock

**Advantages**

- Quarter-Turn with L-handle for padlock.
- RH or LH application.
- IP65 according to DIN EN 60529.

**Materials**

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



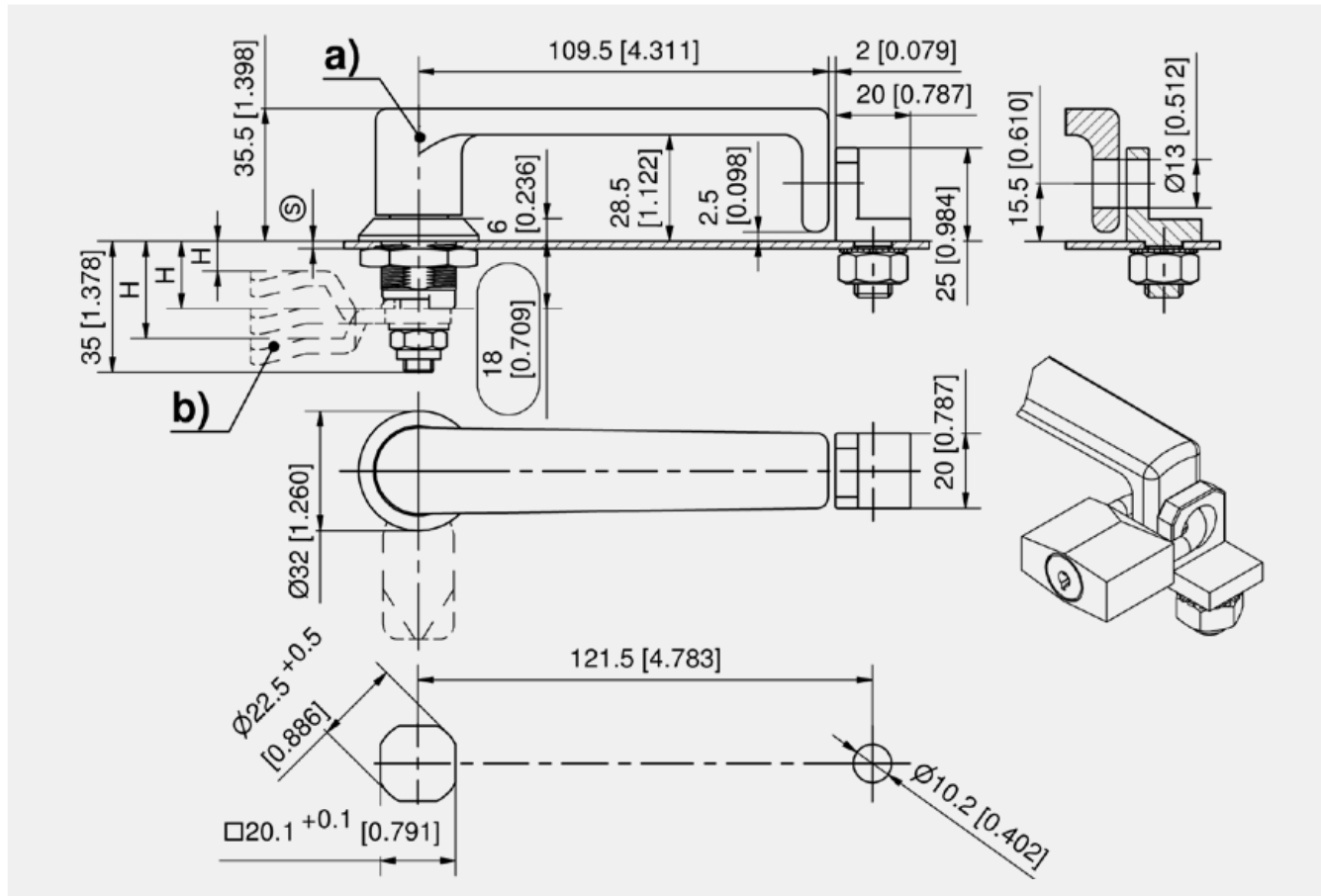
stainless steel AISI 316, for cutout 20.1, length 18, for padlock

**Advantages**

- Quarter-Turn with L-handle for padlock.
- RH or LH application.
- The Quarter-Turn with L-handle consists of two basic parts which can be combined to suit your application.
- IP65 according to DIN EN 60529 with 2 o-rings.

**Materials**

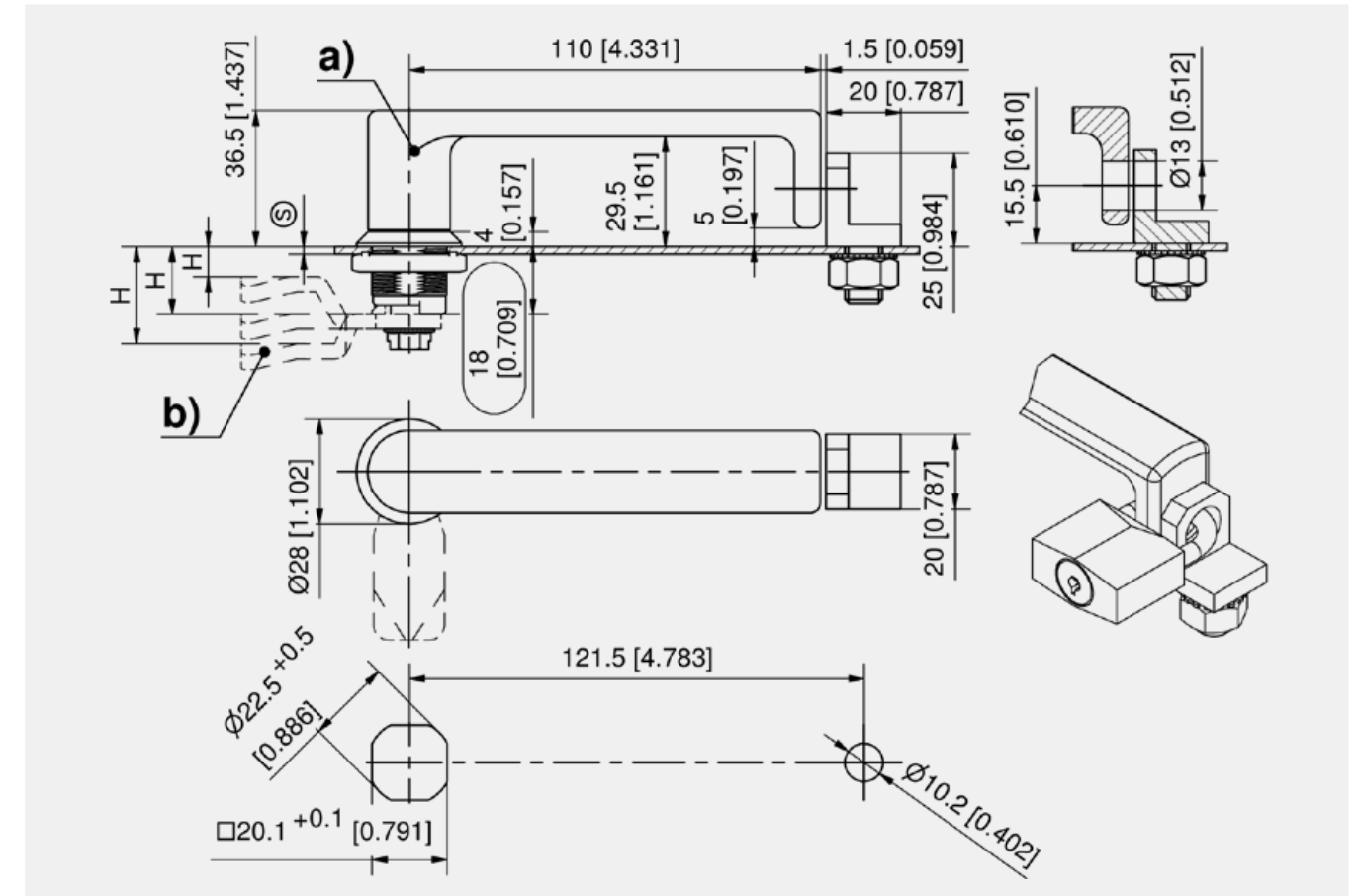
- **Handle and hook:** stainless steel AISI 304
- **Housing:** stainless steel AISI 316
- **Cam:** stainless steel AISI 304 or steel, zinc plated



Quarter-Turn

Part Number	Housing length	Door-thickness	Material	Surface	Installation type
a) 100-9413.00-00000	18 mm	max. 8 mm	zinc die	black	screw-on

Accessories	
b) 160	1-102 Cams L35/45 steel
b) 167	1-262 Cam variable



Quarter-Turn with L-Handle

Part Number	Housing length	Door-thickness	Material	Installation type
a) 200-9425.00-00000	18 mm	max. 5 mm	Stainless Steel	screw-on

Accessories	
b) 160	1-102 Cams L35/45 steel
b) 162	7-105 Cams L35/45 stainless steel
b) 167	1-262 Cam variable

with cylinder or insert, tool-less installation

**Advantages**

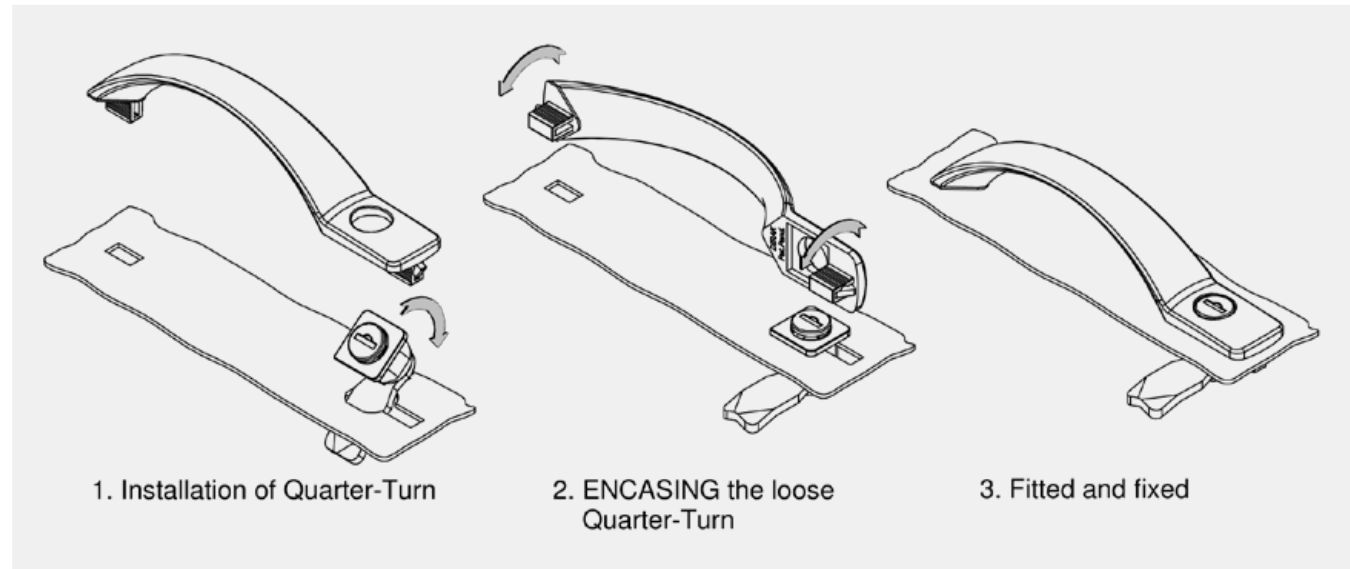
- Quarter-Turn with high-quality bowed handle with DIRAK-SNAP-Technology with cylinder or insert.
- The Housing for cylinder or insert can be turned by 90° and the handle can be used for RH/LH, horizontal and vertical applications.
- The handle can be equipped with cylinder or insert.
- The installation is effected by a simple push into appropriate cutouts.
- On request pre-assembled available.
- Please contact DIRAK for the part number of a completely pre-assembled handle.

**Materials**

- **Handle:** zinc die, matt chrome plated
- **Other surfaces on request.**
- **Housing:** zinc die
- **Snap wedges:** sintered steel
- **Grounding clip:** stainless steel
- **Cams:** see c) and c1)

**Remarks**

- Attention: H-dimension of the cam  $\geq 14\text{mm}$  (0.551)!
- In case of applying a cylinder the 3-point cam should **not** be used.
- 1. Grounding clip



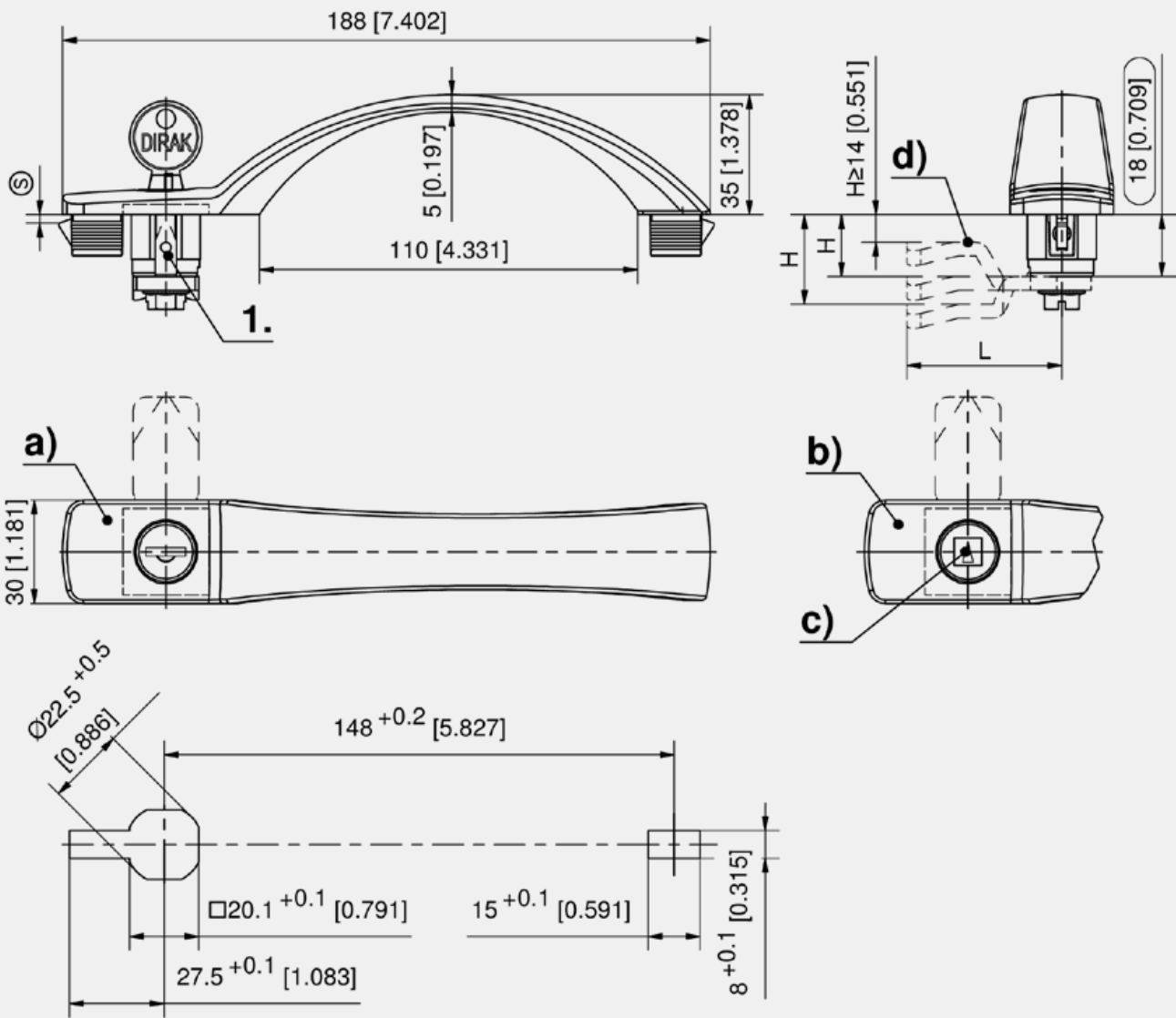
Bowed handle with cylinder

	Part Number	Clamping range	Latching type	Grounding type	Installation type
a)	413-9301.00-00012	0.8 - 1.5 mm	keyed alike DIRAK 1333		tool-less
a)	413-9301.00-00016	1.3 - 2.0 mm	keyed alike DIRAK 1333		tool-less
a)	413-9301.00-00020	1.8 - 2.5 mm	keyed alike DIRAK 1333		tool-less
a)	413-9302.00-00012	0.8 - 1.5 mm	keyed different		tool-less
a)	413-9302.00-00016	1.3 - 2.0 mm	keyed different		tool-less
a)	413-9302.00-00020	1.8 - 2.5 mm	keyed different		tool-less
a)	413-9305.00-00012	0.8 - 1.5 mm	keyed alike DIRAK 1333	Grounding clip	tool-less
a)	413-9305.00-00016	1.3 - 2.0 mm	keyed alike DIRAK 1333	Grounding clip	tool-less
a)	413-9305.00-00020	1.8 - 2.5 mm	keyed alike DIRAK 1333	Grounding clip	tool-less
a)	413-9306.00-00012	0.8 - 1.5 mm	keyed different	Grounding clip	tool-less
a)	413-9306.00-00016	1.3 - 2.0 mm	keyed different	Grounding clip	tool-less
a)	413-9306.00-00020	1.8 - 2.5 mm	keyed different	Grounding clip	tool-less

Bowed handle for Insert

	Part Number	Clamping range	Grounding type	Installation type
b)	413-9303.00-00012	0.8 - 1.5 mm		tool-less
b)	413-9303.00-00016	1.3 - 2.0 mm		tool-less
b)	413-9303.00-00020	1.8 - 2.5 mm		tool-less
b)	413-9307.00-00012	0.8 - 1.5 mm	Grounding clip	tool-less
b)	413-9307.00-00016	1.3 - 2.0 mm	Grounding clip	tool-less
b)	413-9307.00-00020	1.8 - 2.5 mm	Grounding clip	tool-less

+ Accessories	
c)	156 1-101 Inserts Pr20.1
d)	160 1-102 Cams L35/45 steel
d)	167 1-262 Cam variable
d)	182 2-151 2-, 3- and 4-Point Cam Adapter





stainless steel AISI 316Ti

**Advantages**

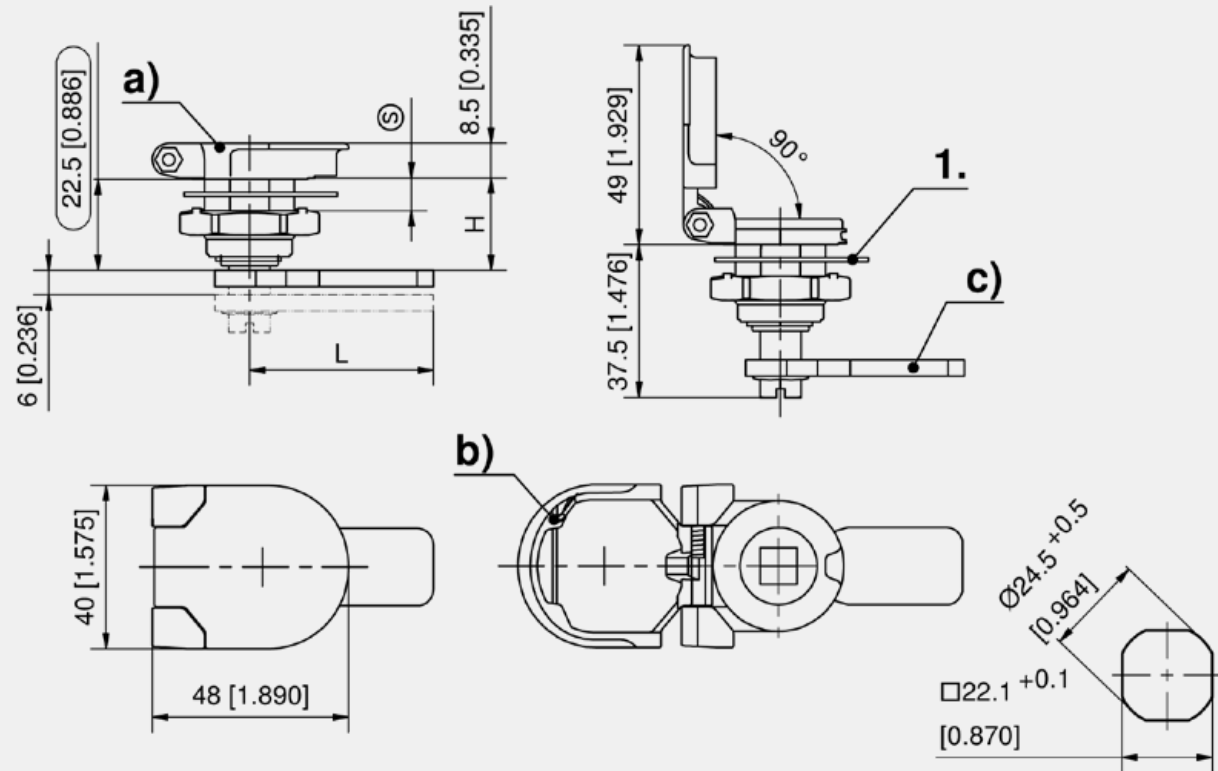
- The open flap indicates locking position and protects against dust and water.
- Compression 6 mm.
- Vibration-proof according to DIN EN 61373.
- RH and LH version.
- The flap is standing upright (90°) in unlocked position and closes first, when compression latch is closed securely.
- Version b): secured against unintended opening at low pressure or high-speed.
- Flat seal (1.) damps the flap as well.

**Materials**

- **Housing, flap, insert, grounding nut:** stainless steel AISI 316Ti
- **Screw, nut:** stainless steel
- **Spring:** stainless steel
- **O-Ring:** NBR

**Remarks**

On request available with reflecting sticker on the inside.  
Circumferential handle bar allows easy handling also with work- or safety gloves.  
1. = Flat external seal



Compression Latch, version RH

	Part Number	Insert	Housing length	Door-thickness	Grounding type	Compression	Construction depth	Installation type
a)	248-9603.00-00001	Double bit 3mm pin	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
a)	248-9603.00-00002	Double bit 5mm pin	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
a)	248-9603.00-00003	Square 8mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
a)	248-9603.00-00004	Triangular 8mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
a)	248-9603.00-00005	Conical square 9mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on

Compression Latch, version LH

	Part Number	Insert	Housing length	Door-thickness	Grounding type	Compression	Construction depth	Installation type
a)	248-9652.00-00001	Double bit 3mm pin	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
a)	248-9652.00-00002	Double bit 5mm pin	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
a)	248-9652.00-00003	Square 8mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
a)	248-9652.00-00004	Triangular 8mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
a)	248-9652.00-00005	Conical square 9mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on

Compression Latch, version RH, spring secured

	Part Number	Insert	Housing length	Door-thickness	Grounding type	Compression	Construction depth	Installation type
b)	248-9604.00-00001	Double bit 3mm pin	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
b)	248-9604.00-00002	Double bit 5mm pin	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
b)	248-9604.00-00003	Square 8mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
b)	248-9604.00-00004	Triangular 8mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
b)	248-9604.00-00005	Conical square 9mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on

Compression Latch, version LH, spring secured

	Part Number	Insert	Housing length	Door-thickness	Grounding type	Compression	Construction depth	Installation type
b)	248-9653.00-00001	Double bit 3mm pin	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
b)	248-9653.00-00002	Double bit 5mm pin	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
b)	248-9653.00-00003	Square 8mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
b)	248-9653.00-00004	Triangular 8mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on
b)	248-9653.00-00005	Conical square 9mm	22.5 mm	max. 8 mm	Grounding nut	6	37.5 mm	screw-on

Accessories	
+	758 6-100 Key
	757 6-101 Multi Key
c)	165 7-105.01 Cams L35/45 without Ramp and Stop

Specific accessories	
+	1.) 200-0916.00-00000 Flat external seal for prod.system 7-071



- DIN 61373
- R L
- IP 65/67
- 15 Nm
- RoHS WEEE



**Advantages**

- Compression 6 mm.
- Vibration-proof according to DIN EN 61373.
- RH and LH version.
- The flap is standing upright (90°) in unlocked position.
- The open flap indicates locking position and protects against dust and water.
- IP65/IP67 according to DIN EN
- The spring loaded flap first closes, when compression latch is closed securely.

**Materials**

- **Housing, flap and insert:** zinc die, black
- **Grounding nut:** zinc die, untreated
- **Screw, nut and spring:** stainless steel
- **O-Rings:** NBR

**Remarks**

The H-dimension can be varied by the cranking of the cams.  
 1. Single sided grounding nut (S) = max. 8 mm.

- DST
- R L
- IP 65
- RoHS WEEE



**TRENTA, for cutout 30x30, length 18, for inserts, tool-less installation**

**Advantages**

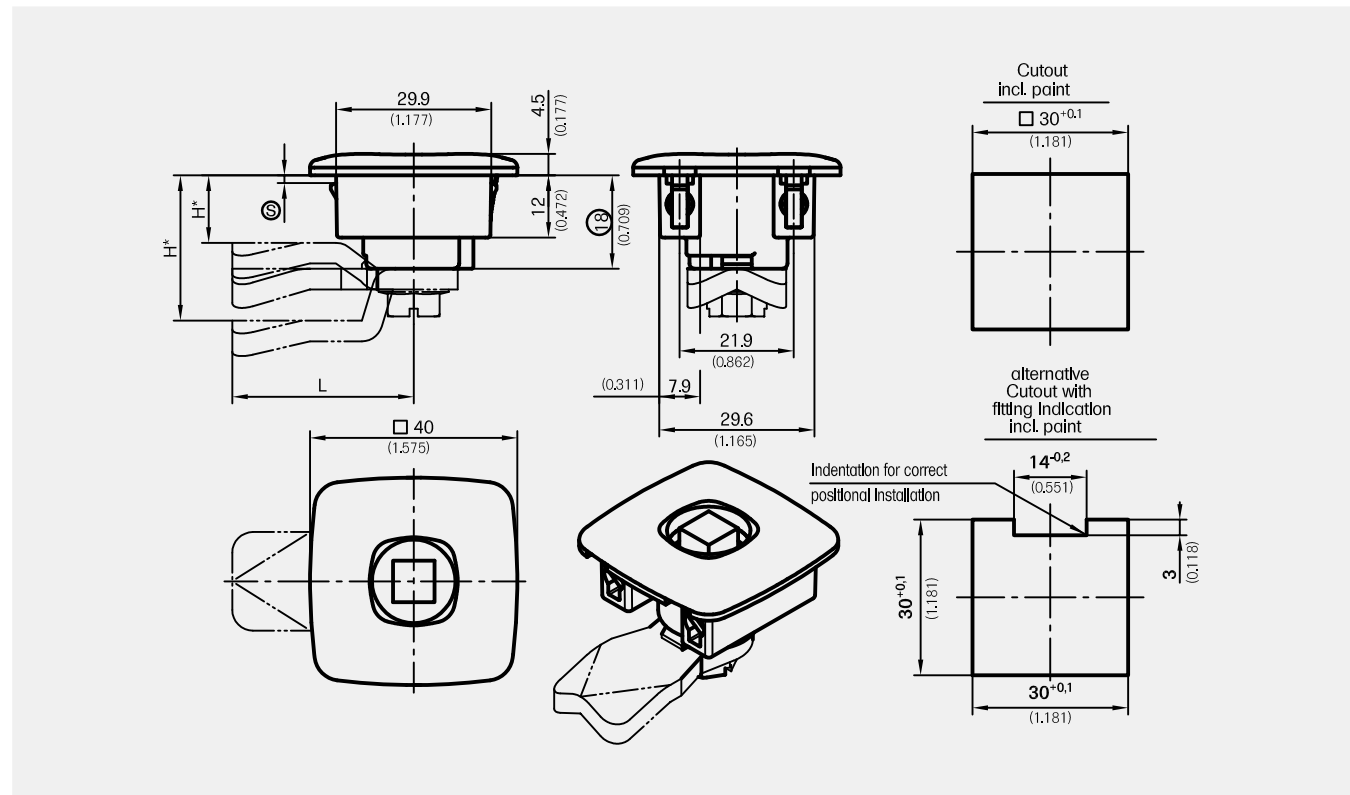
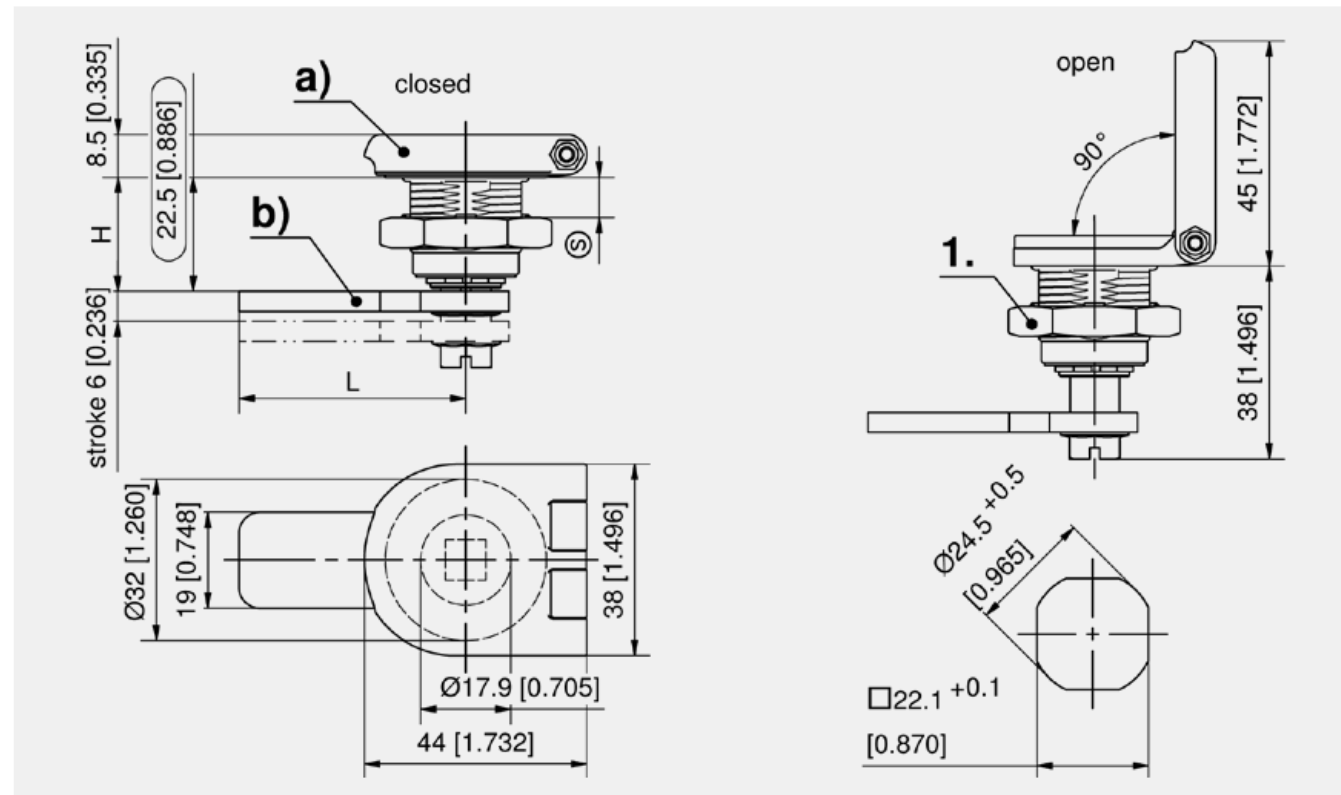
- Elegant, flush Quarter-Turn for Snap-in installation into cutout 30x30mm.
- RH and LH application.
- The Quarter-Turn can be snapped-in as a completely pre-assembled unit.
- To guarantee a correct positional installation, the cutouts can have indentations.
- IP65 according to DIN EN 60529 by sealing kit.
- Grounding by grounding clip.

**Materials**

- **Housing:** zinc die, black
- **Snap wedges:** sintered steel
- **Clip:** spring steel

**Remarks**

**Attention:** H-dimension not less than ≥ 14mm (0.551)!



Compression Latch

	Part Number	Insert	Version	Grounding type	Compression
a)	248-9601.00-00001	Double bit 3mm pin	RH	Grounding nut	6
a)	248-9601.00-00002	Double bit 5mm pin	RH	Grounding nut	6
a)	248-9601.00-00003	Square 8mm	RH	Grounding nut	6
a)	248-9601.00-00004	Triangular 8mm	RH	Grounding nut	6
a)	248-9601.00-00005	Conical square 9mm	RH	Grounding nut	6
a)	248-9651.00-00001	Double bit 3mm pin	LH	Grounding nut	6
a)	248-9651.00-00002	Double bit 5mm pin	LH	Grounding nut	6
a)	248-9651.00-00003	Square 8mm	LH	Grounding nut	6
a)	248-9651.00-00004	Triangular 8mm	LH	Grounding nut	6
a)	248-9651.00-00005	Conical square 9mm	LH	Grounding nut	6

Accessories	
b)	164 1-102.01 Cams L35/45 without Ramp and Stop

Quarter-Turn TRENTA

Part Number	Clamping range	quantity SNAP wedges	Installation type
406-9001.00-00015	0.8 - 1.5 mm	4, for H.D. applications	tool-less
406-9001.00-00020	1.3 - 2.0 mm	4, for H.D. applications	tool-less
406-9001.00-00022	1.5 - 2.2 mm	4, for H.D. applications	tool-less
406-9002.00-00015	0.8 - 1.5 mm	2, for light applications	tool-less
406-9002.00-00020	1.3 - 2.0 mm	2, for light applications	tool-less
406-9002.00-00022	1.5 - 2.2 mm	2, for light applications	tool-less

Accessories	
156	1-101 Inserts Pr20.1
160	1-102 Cams L35/45 steel
167	1-262 Cam variable
756	292-0306.80-02530 Tool for uninstallation

Function extension	
200-1105.93-00000	Grounding clip
209-9004.00-00000	Sealing kit IP65 for Quarter-Turn Pr30



**Advantages**

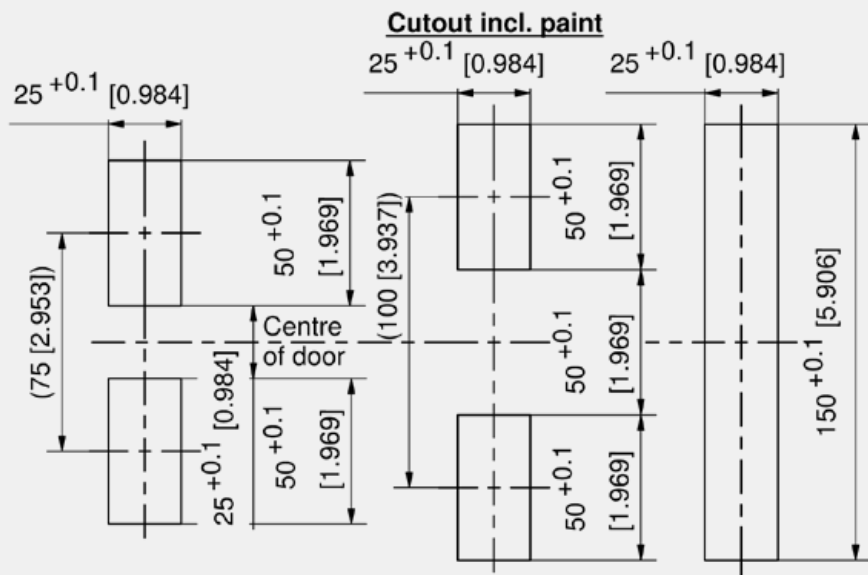
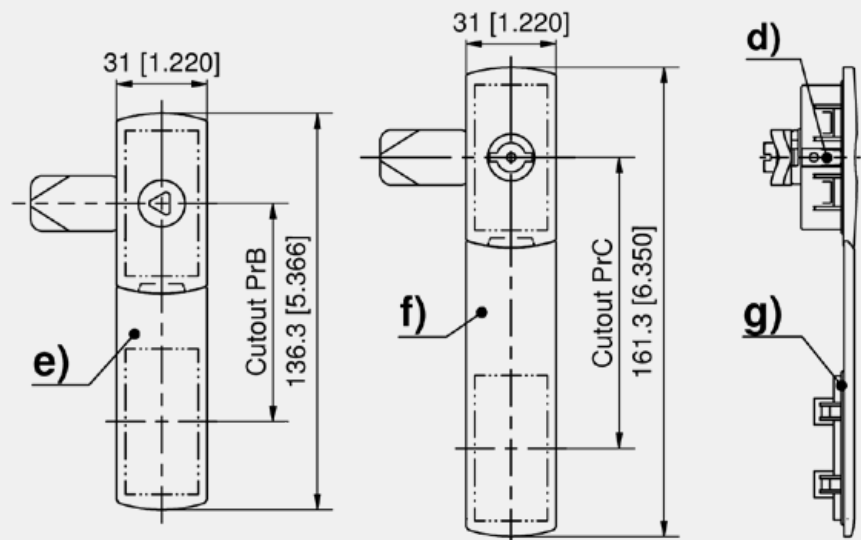
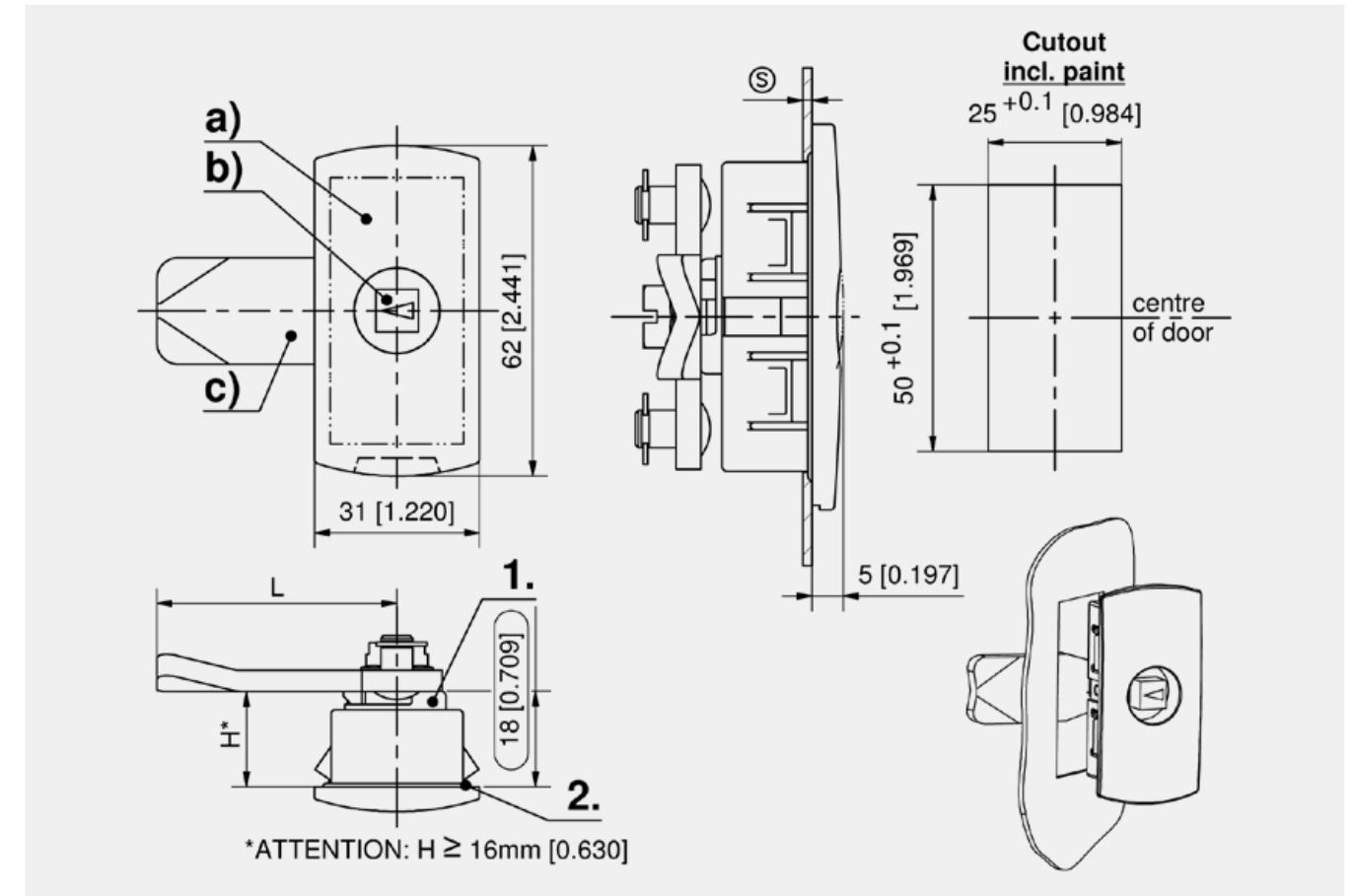
- Polyamide Quarter-Turn for clip-in installation into cutout A.
- Tool-less installation.
- RH / LH application by rotatable bottom part.
- The Quarter-Turn can be clip-in as a completely pre-assembled unit.
- Also a 3-point cam can be pre-assembled.
- IP65 according to DIN EN 60529 by sealing kit.
- Grounding by grounding clip.
- By using additional extensions PS 3-136 this Quarter-Turn can also be applied for cut-outs B and C.

**Materials**

- **Housing:** PA, black
- **Bottom:** zinc die, zinc plated
- **Grounding clip:** stainless steel
- **O-ring:** NBR, black

**Remarks**

- Attention:** H-dimension of the cam not less than  $\geq 16\text{mm}$  (0.630)
- 1. = Rotatable bottom



Housing with rotatable bottom and O-ring

	Part Number	Housing length	Clamping range	Installation type	Packaging unit
a)	408-9305.00-00010	18 mm	0.8 - 1.3 mm	tool-less	50 pcs.
a)	408-9305.00-00015	18 mm	1.3 - 1.8 mm	tool-less	50 pcs.
a)	408-9305.00-00020	18 mm	1.8 - 2.3 mm	tool-less	50 pcs.

Accessories	
b)	156 1-101 Inserts Pr20.1
e)-g)	317 3-136 Cutout-Cover PrA / PrB / PrC
c)	160 1-102 Cams L35/45 steel

Assembly options	
200-0002.00-00000	Assembling cam with o-ring
200-0020.00-00000	Assembling cam, LH door
200-0021.00-00000	Assembling cam, RH door

Function extension	
d)	200-1104.93-00000 Grounding clip
	209-9005.00-00000 Sealing kit IP65 for Quarter-Turns PrA 1-099

DST



A



IP 54

IP 65

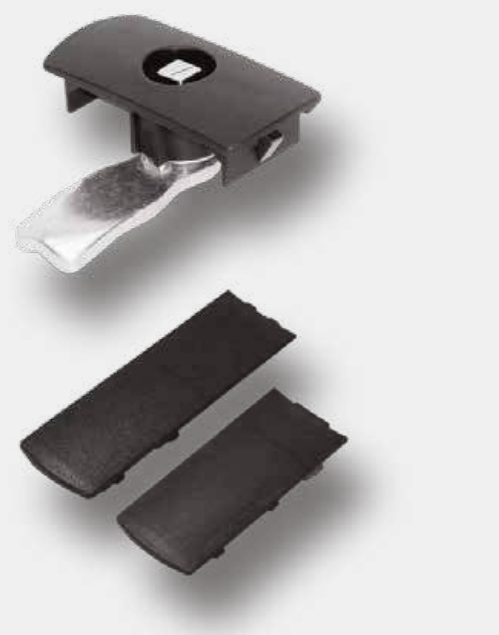
RoHS WEEE

Quarter-Turns



IP 65

RoHS WEEE



**Advantages**

- Quarter-Turn for snap-in installation into cutout PrA.
- Tool-less installation.
- Vibration-proof installation.
- Blind installation.
- Rectangular cutout guarantees a perfect alignment.
- Also a 3-point cam can be pre-assembled.
- RH / LH application (bottom with 90° stop can be rotated).
- IP65 according to DIN EN 60529 (o-ring for housing is included). O-ring 200-1001.00-00000, for insert, please order separately.
- Grounding by grounding clip.

**Materials**

- **Housing:** PA, black
- **Bottom:** zinc die, zinc plated
- **Snap wedges:** sintered steel, zinc plated
- **Grounding clip:** stainless steel
- **O-Rings:** NBR, black

**Remarks**

- Attention:** H-dimension of the cam not less than  $\geq 16\text{mm}$  (5/8).
- Through escutcheons, this Quarter-Turn can also be used for cutouts PrB and PrC (see product system 3-136SL).
1. = rotatable bottom for RH/LH  
2. = o-ring

**Advantages**

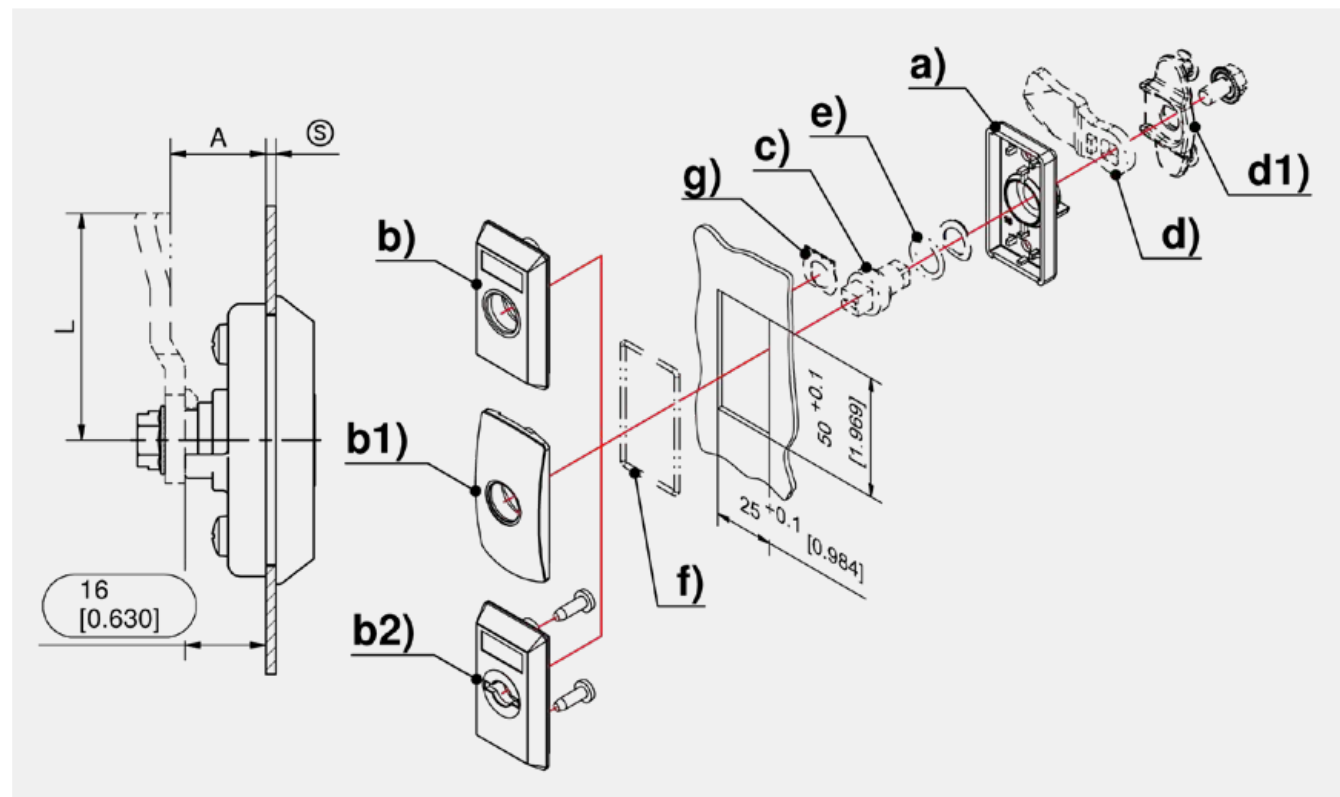
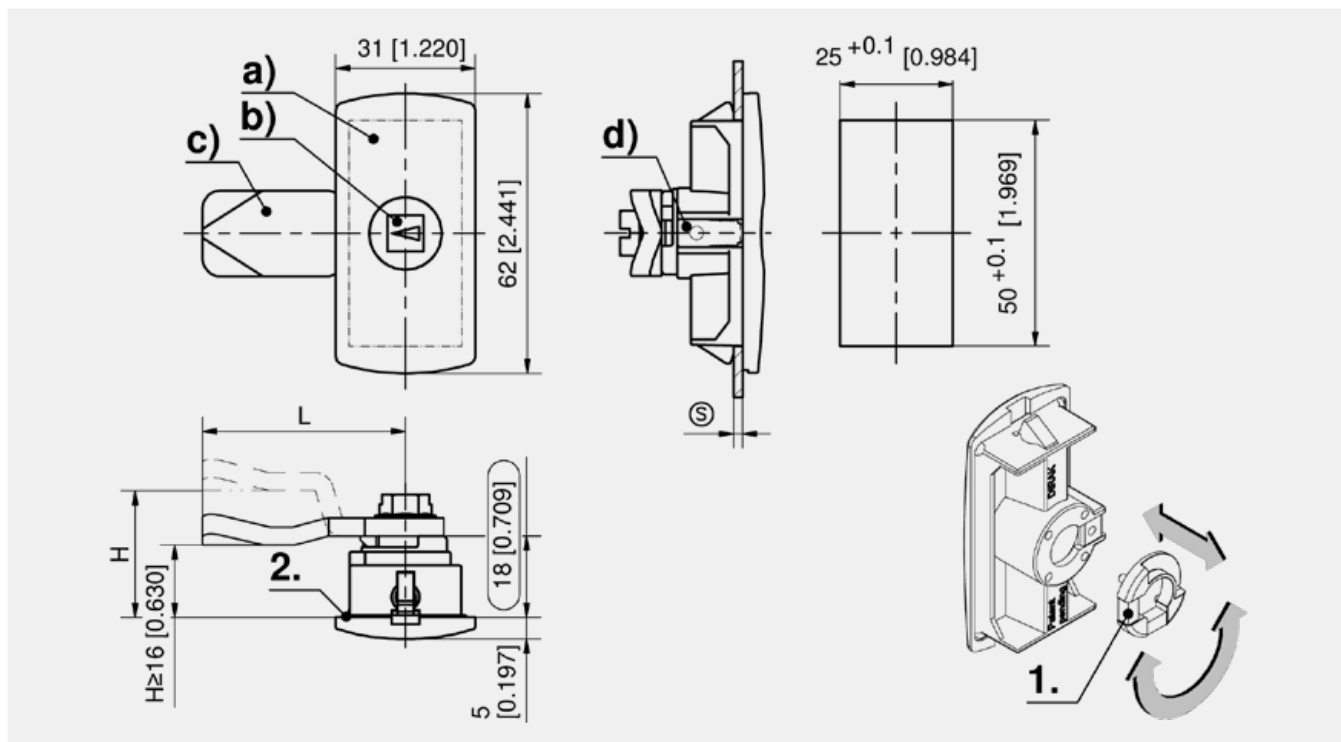
- Quarter-Turn for cutout type A 50 x 25.
- RH/ LH application.
- The Quarter-Turn consists of three component groups a), b) and c), their versions can be combined in any way.
- Pre-assembled deliverable on request.
- The Quarter-Turn can be installed pre-assembled.
- Pre-assembly of 3-point cam also possible.
- Height 16mm.
- Min. A dimension = 8mm.
- IP65 according to DIN EN 60529 by sealing kit 209-9007.

**Materials**

- a) **Bearing plate:** zinc die, untreated
- b), b1) and b2) **Escutcheons:** PA, black
- Self tapping screw:** steel, zinc plated
- e) and f) **O-rings:** Perbunan

**Remarks**

- Escutcheon b2) only in use with insert double bit.
- For door-thicknesses greater than 3.5mm longer screws for the installation are required.



Housing PrA

	Part Number	Housing length	Clamping range	Grounding type	Material	Surface	Installation type
a)	408-9301.00-00015	18 mm	0.8 - 1.5 mm	Grounding clip	PA	black	tool-less
a)	408-9301.00-00020	18 mm	1.3 - 2.0 mm	Grounding clip	PA	black	tool-less
a)	408-9301.00-00025	18 mm	1.8 - 2.5 mm	Grounding clip	PA	black	tool-less
a)	408-9301.00-00030	18 mm	2.3 - 3.0 mm	Grounding clip	PA	black	tool-less
a)	408-9301.00-00035	18 mm	2.8 - 3.5 mm	Grounding clip	PA	black	tool-less
a)	408-9302.00-00015	18 mm	0.8 - 1.5 mm		PA	black	tool-less
a)	408-9302.00-00020	18 mm	1.3 - 2.0 mm		PA	black	tool-less
a)	408-9302.00-00025	18 mm	1.8 - 2.5 mm		PA	black	tool-less
a)	408-9302.00-00030	18 mm	2.3 - 3.0 mm		PA	black	tool-less
a)	408-9302.00-00035	18 mm	2.8 - 3.5 mm		PA	black	tool-less

+ Accessories	
b)	156 1-101 Inserts Pr20.1
c)	160 1-102 Cams L35/45 steel
c)	167 1-262 Cam variable
c1)	182 2-151 2-, 3- and 4-Point Cam Adapter

* Function extension	
d)	200-1001.00-00000 O-ring 12 x 2.0mm
f)	200-1104.93-00000 Grounding clip
	317 3-136 Cutout-Cover PrA / PrB / PrC

Bearing plate and Escutcheons

	Part Number	Name	Material	Surface	Door-thickness	Installation type
a)	207-2707.00-00016	Bearing plate 16mm	zinc die	untreated		screw-on
b)	208-9306.00-00000	Escutcheon PrA	PA	black	1.3 - 3.5 mm	screw-on
b1)	208-9307.00-00000	Escutcheon PrA SOFTLINE	PA	black	1.3 - 3.5 mm	screw-on
b2)	208-9308.00-00000	Escutcheon for double bit PrA	PA	black	1.3 - 3.5 mm	screw-on

+ Accessories	
c)	156 1-101 Inserts Pr20.1
d)	160 1-102 Cams L35/45 steel
d1)	184 2-151.04 3-Point Cam Adapter

* Function extension	
g)	298 3-011 Grounding clip
	209-9007.00-00000 Sealing kit IP65 for Quarter-Turn PrA





stainless steel AISI 316Ti, for cutout A

**Advantages**

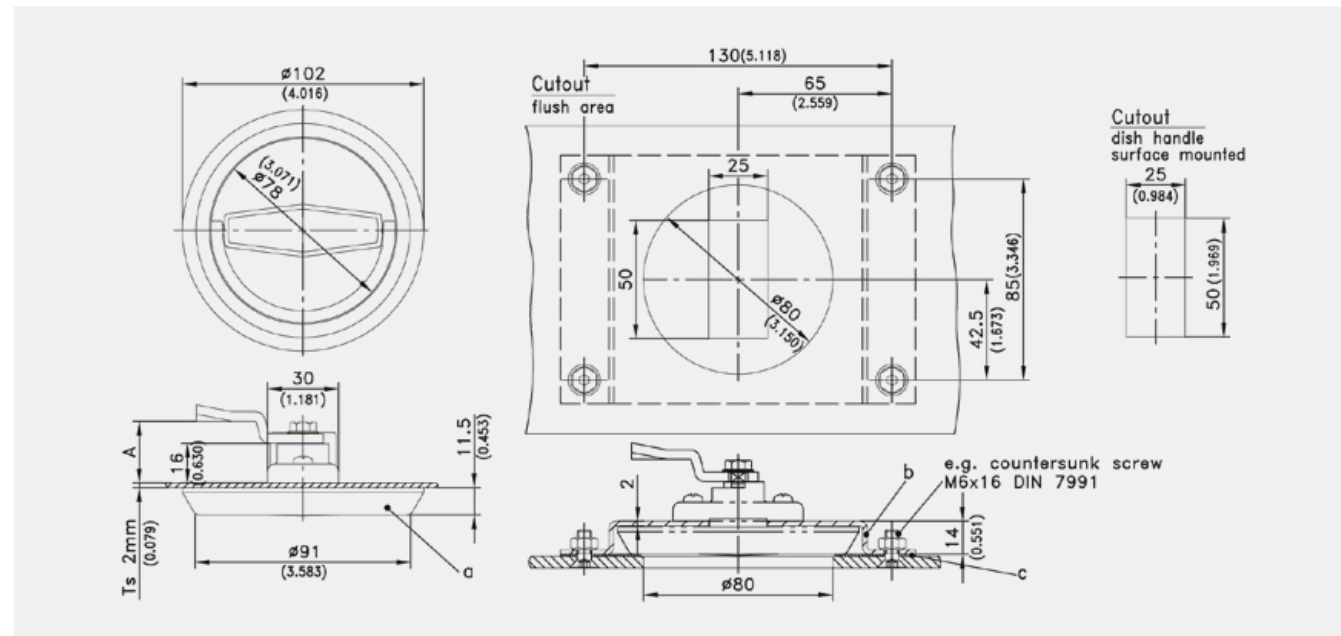
- Dish handle for 2- or 3-point cam.
- IP65 according to DIN EN 60529.
- Properties of material AISI 316 Ti: The titanium increases even further the corrosion resistance particularly the intercrystalline corrosion at the grain boundaries.
- Adapter bracket and flat external seal for flush area mounting of the dish handle.

**Materials**

- **Dish handle and adapter bracket:** stainless steel AISI 316Ti, cast
- **Flat external seal:** Inducon

**Remarks**

For flush area mounting please order additionally:  
Adapter bracket and flat external seal



Dish handle

Part Number	Material	Installation type
a) 208-9638.00-00000	stainless steel AISI 316Ti	screw-on

Accessories for dish handle

Part Number	Name	Material	Fastening type
b) 207-3605.90-00000	Adapter plate	Stainless Steel	screw-on
b) 200-0905.00-00000	Flat external seal	Inducon	

Accessories	
+	162 7-105 Cams L35/45 stainless steel



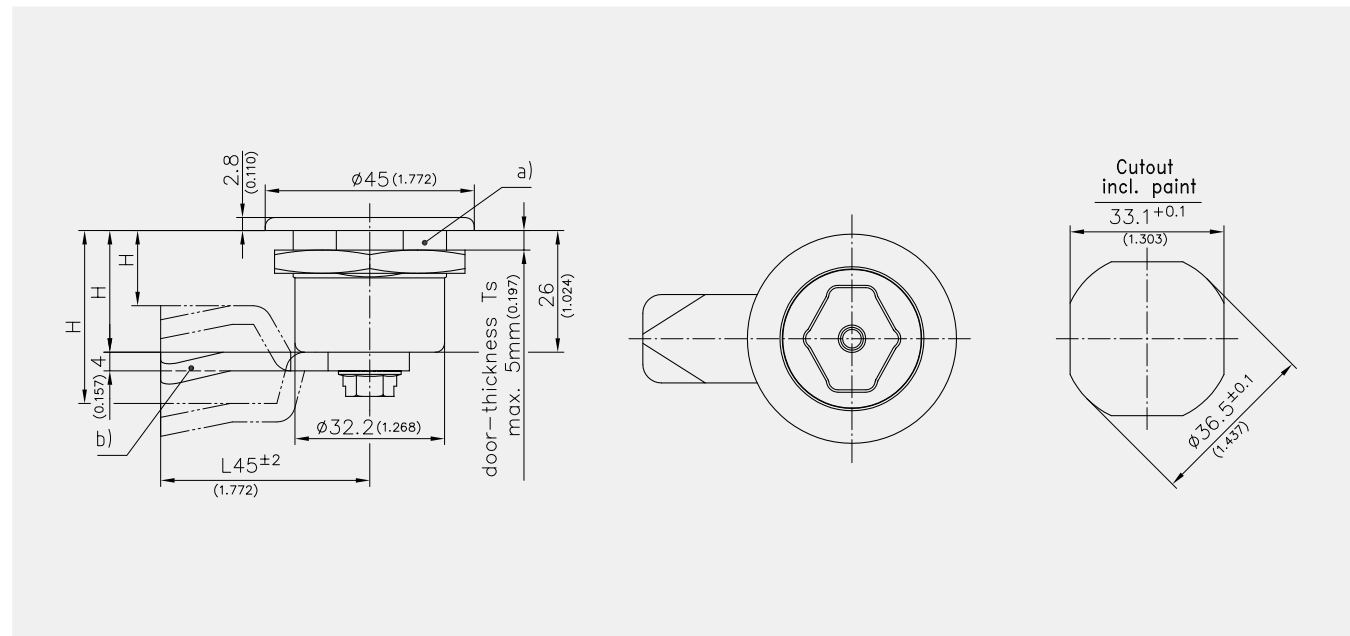
stainless steel AISI 316Ti

**Advantages**

- Quarter-Turn for firefighting.
- Both the triangular adapter on the fireman's axe to DIN 14924 and the hydrant spanner A or B to DIN 3223 can be used as a key.
- **Properties of material AISI 316 Ti:** the titanium increases even further the corrosion resistance particularly the intercrystalline corrosion at the grain boundaries.
- **Price and delivery time on request.**

**Materials**

- **Housing, insert, serrated screw and nut:** stainless steel AISI 316Ti
- **Spring washer:** stainless steel AISI 316L
- **Cam:** stainless steel AISI 304



Quarter-Turns

Part Number	Housing length	Door-thickness	Material	Installation type
a) 290-9401.00-00000	26 mm	max. 5 mm	Stainless Steel	screw-on

Accessories	
+	b) 162 200-0506.00-00000 Cam
	b) 162 200-0508.00-00000 Cam
	b) 162 200-0510.00-00000 Cam
	b) 162 200-0514.00-00000 Cam
	b) 162 200-0516.00-00000 Cam
	b) 162 200-0518.00-00000 Cam
	b) 162 200-0520.00-00000 Cam

Accessories	
+	b) 162 200-0522.00-00000 Cam
	b) 162 200-0526.00-00000 Cam
	b) 162 200-0524.00-00000 Cam
	b) 162 200-0528.00-00000 Cam
	b) 162 200-0532.00-00000 Cam
	b) 162 200-0550.00-00000 Cam

Assembly options	
+	c) 200-0002.00-00000 Assembling cam with o-ring



**Specially developed Hygiene stainless steel Quarter-Turn (HD, Hygienic Design) with insert square SW13, for applications in the food sector and hygienic areas**

**Advantages**

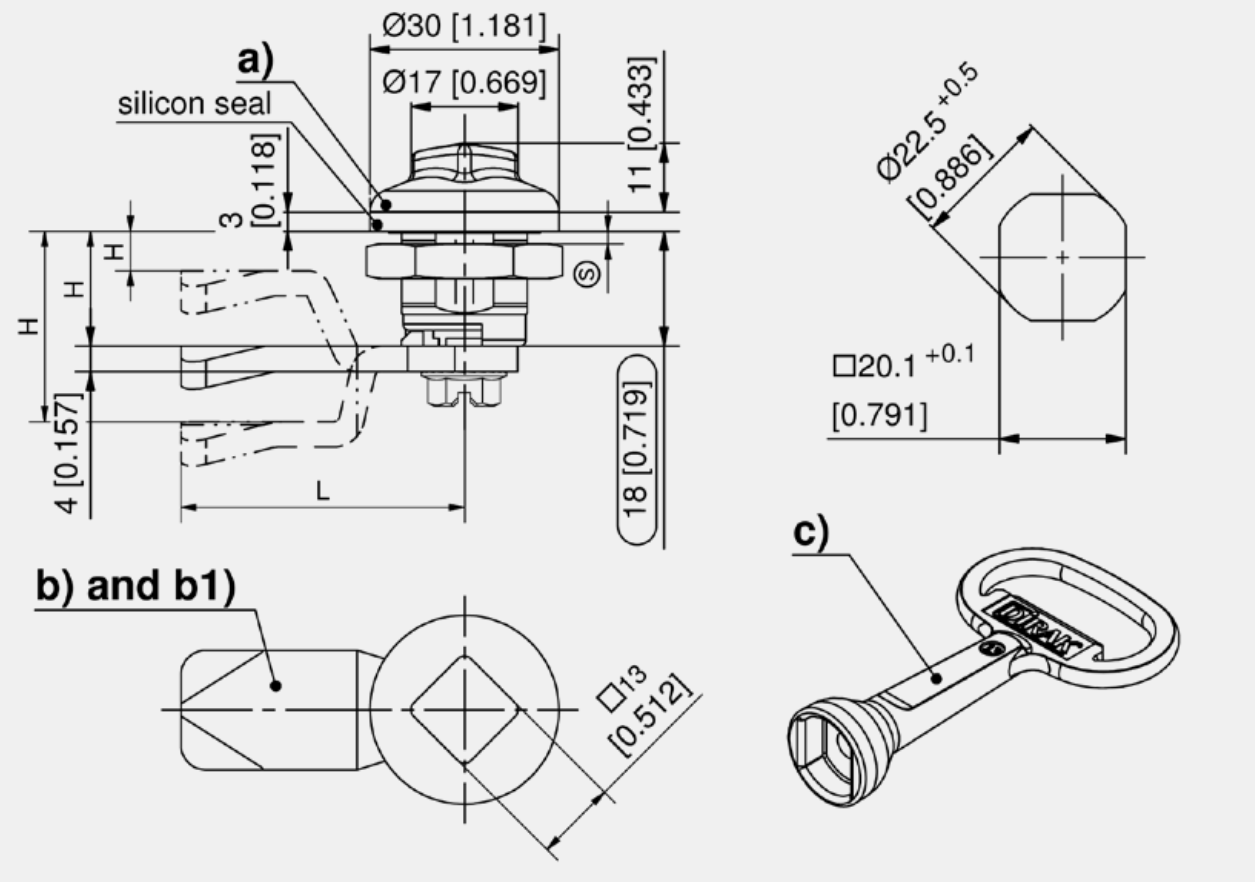
- Tested according to: GS-NV 2:2013/06 Principles for the testing of food processing machines GS-NV 6:2013/06 Principles for the testing of hygiene requirements Machine Ordinance: DIN EN 1672-2:2009
- DGUV Test Certificate NV 13090.
- Dirt resistant and easy to clean by means of polished surface and transition radii.
- RH / LH application.
- IP 65/67/69K according to DIN EN 60529 / DIN 40050.
- Cam can be delivered pre-assembled upon request.
- A pre-assembled Quarter-Turn can be installed in the cutout.

**Materials**

- **Housing and insert:** stainless steel AISI 316 L
- **Grounding nut and serrated screws:** stainless steel
- **Seal:** silicone, blue, FDA conform (Food and Drug Administration)

**Remarks**

(S) = max. 8 mm.



Hygiene Quarter-Turn

Part Number	Housing length	Insert	Grounding type	Material	Installation type
a) 100-9503.00-00000	18 mm	SW13	Grounding nut	Stainless Steel	screw-on

Accessories	
b) 162	7-105 Cams L35/45 stainless steel
c) 759	204-0140.39-05010 Key SW13



**stainless steel AISI 316L, Quarter-Turn with insert SW13 for hygienic applications**

**Advantages**

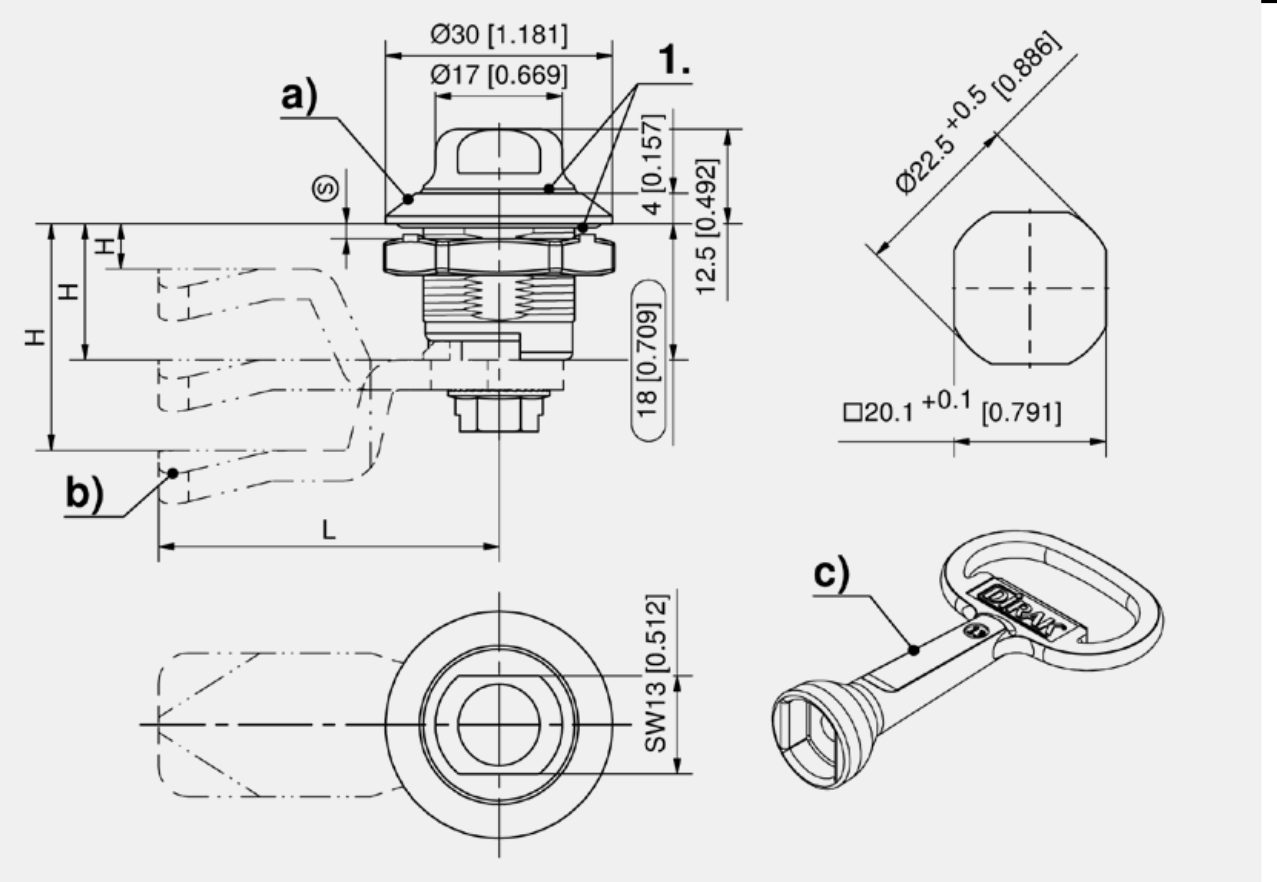
- Meets hygiene requirements acc. to DIN EN ISO 14159 and DIN EN 1672-2.
- Easy to clean.
- IP67 / 69K according to DIN EN 60529 / DIN 40050.
- O-rings (FDA conform) prevent dirt deposits and penetration of liquids.
- RH / LH application.
- (S) = max. 8 mm.

**Materials**

- **Housing, grounding nut and insert:** stainless steel AISI 316L
- **Cam and serrated screw:** stainless steel AISI 304
- **O-rings:** silicone, FDA conform, red or blue

**Remarks**

1. = O-rings



Quarter-Turns

Part Number	Housing length	Door-thickness	Insert	Version	Grounding type	Material	Installation type
a) 100-9508.00-00000	18 mm	8 mm	SW13	red o-ring	Grounding nut	Stainless Steel	screw-on
a) 100-9508.00-00001	18 mm	8 mm	SW13	blue o-ring	Grounding nut	Stainless Steel	screw-on

Accessories	
b) 162	7-105 Cams L35/45 stainless steel
c) 759	204-0140.39-05010 Key SW13

Assembly options	
200-0002.00-00000	Assembling cam with o-ring



**Specially developed Hygiene stainless steel Quarter-Turn with T-handle (HD, Hygienic design), for applications in the food sector and hygienic areas**

**Advantages**

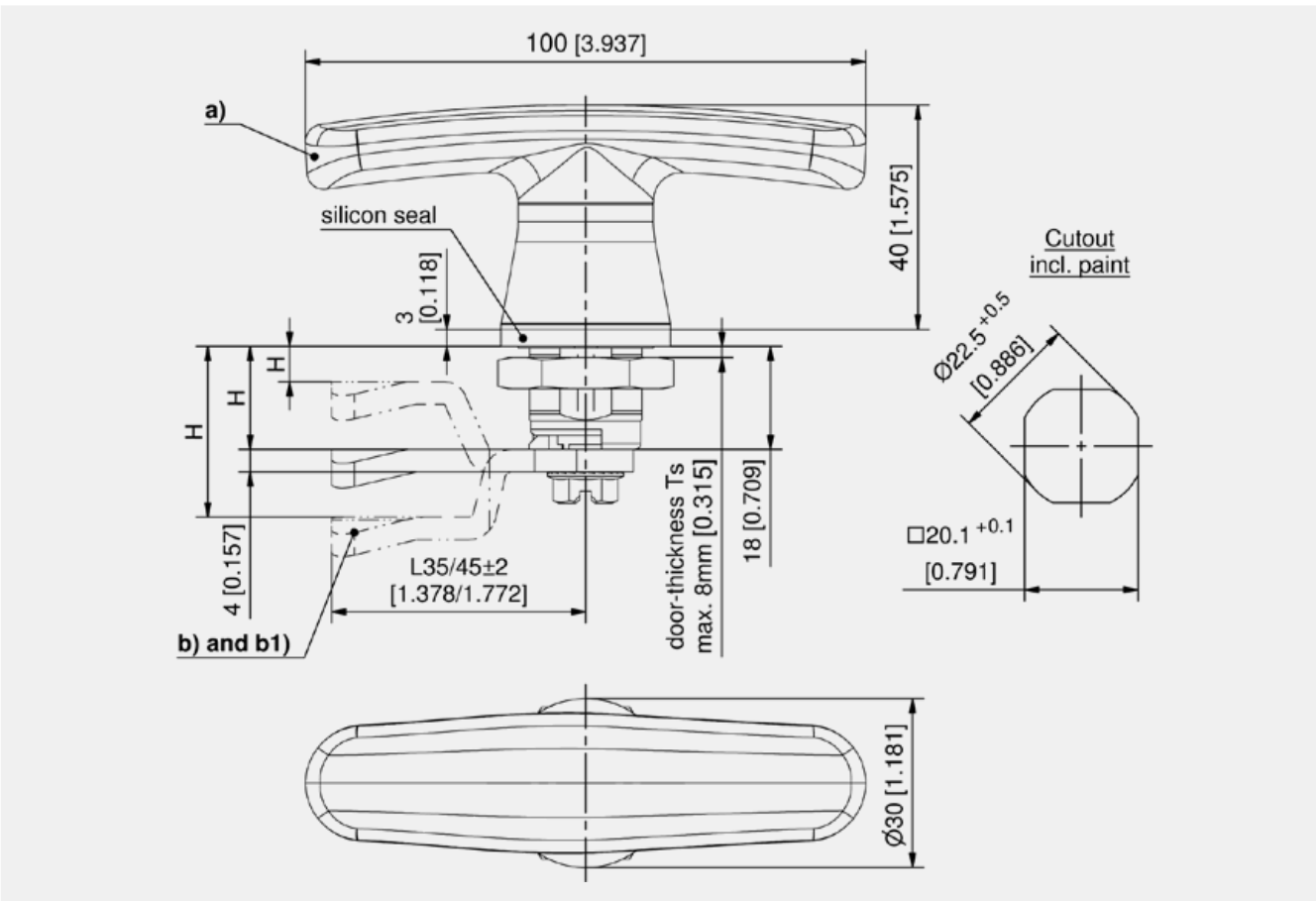
- Tested according to: GS-NV 2:2013/06 Principles for the testing of food processing machines GS-NV 6:2013/06 Principles for the testing of hygiene requirements. Machine Ordinance: DIN EN 1672-2:2009
- DGVU Test Certificate NV 13090.
- Dirt resistant and easy to clean by means of polished surface and transition radii.
- RH / LH application.
- IP 65/67/69K according to DIN EN 60529 / DIN 40050.
- Cam can be delivered pre-assembled upon request.
- A preassembled Quarter-Turn can be installed in the cutout.
- (S) = max. 8mm.

**Materials**

- **Housing and Handle:** stainless steel AISI 316 L
- **Grounding nut and Serrated Screws:** stainless steel
- **Seal:** Silicon, blue, FDA conform (Food and Drug Administration)

**Remarks**

(S) = max. 8 mm



Hygiene Quarter-Turn with T-Handle

Part Number	Grounding type	Material
a) 100-9313.00-00000	Grounding nut	Stainless Steel

Accessories		
b1)	165 7-105.01	Cams L35/45 without Ramp and Stop
b)	162 7-105	Cams L35/45 stainless steel



stainless steel AISI 316L, for cutout 20.1, length 18

**Advantages**

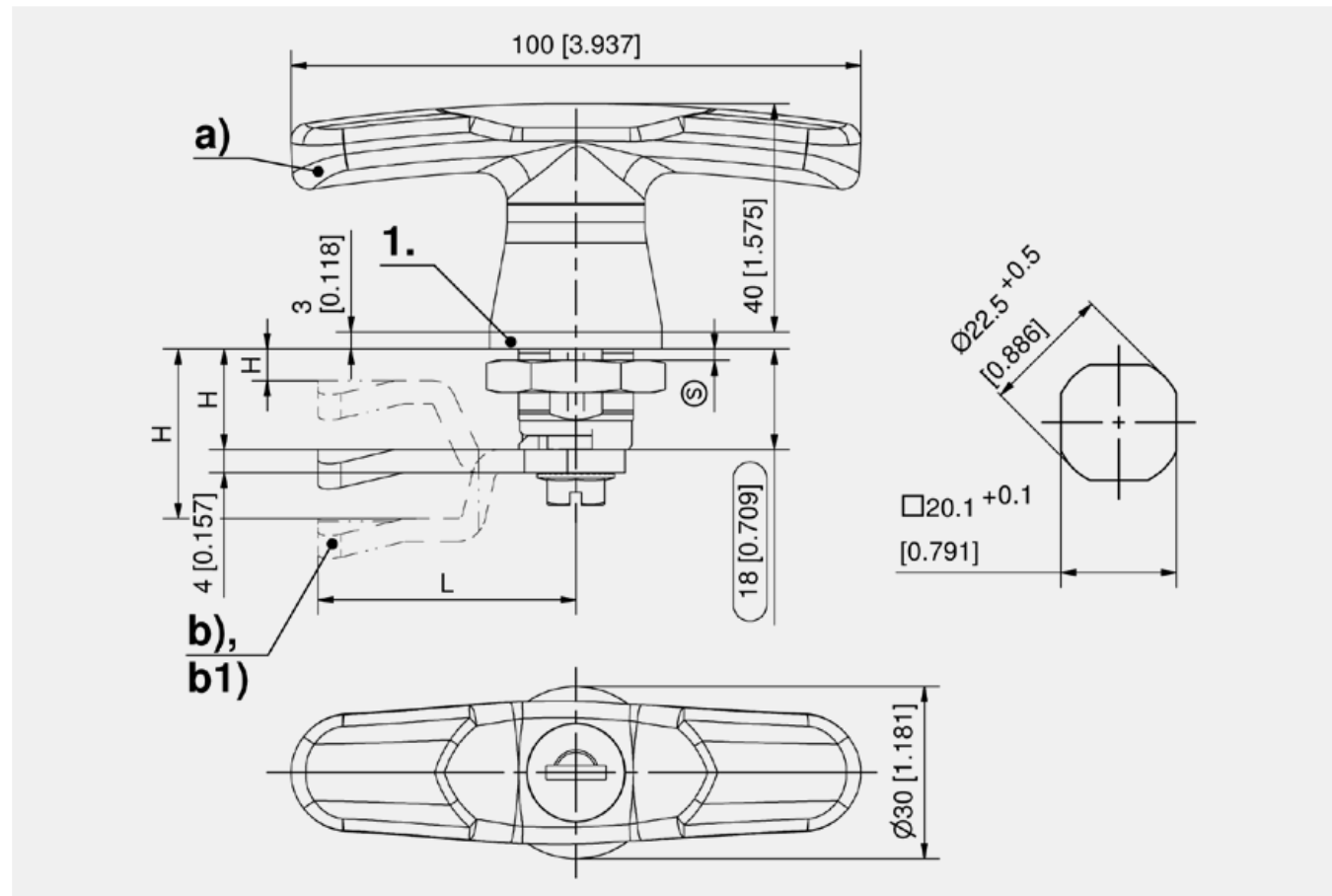
- Suitable for the food sector and hygienic areas.
- Meets hygiene requirements acc. to DIN EN ISO 14159 and DIN EN 1672-2.
- Polished surface.
- RH or LH application.
- Lockable with cylinder barrel.
- Seal FDA conform.
- IP65/67 DIN 60529 .
- Grounding by grounding nut.
- Cam can be delivered pre-assembled upon request.
- The pre-assembled Quarter-Turn can be installed in the cutout.

**Materials**

- **Housing and Handle:** stainless steel AISI 316 L
- **Grounding nut and Serrated Screw:** stainless steel
- **Seal:** Silicon, blue

**Remarks**

1. = Seal



Quarter-Turns

Part Number	Latching type	Grounding type	Material
a) 100-9313.00-01333	keyed alike DIRAK 1333	Grounding nut	Stainless Steel
a) 100-9313.00-99999	keyed different	Grounding nut	Stainless Steel

Accessories		
b1)	165 7-105.01	Cams L35/45 without Ramp and Stop
b)	162 7-105	Cams L35/45 stainless steel



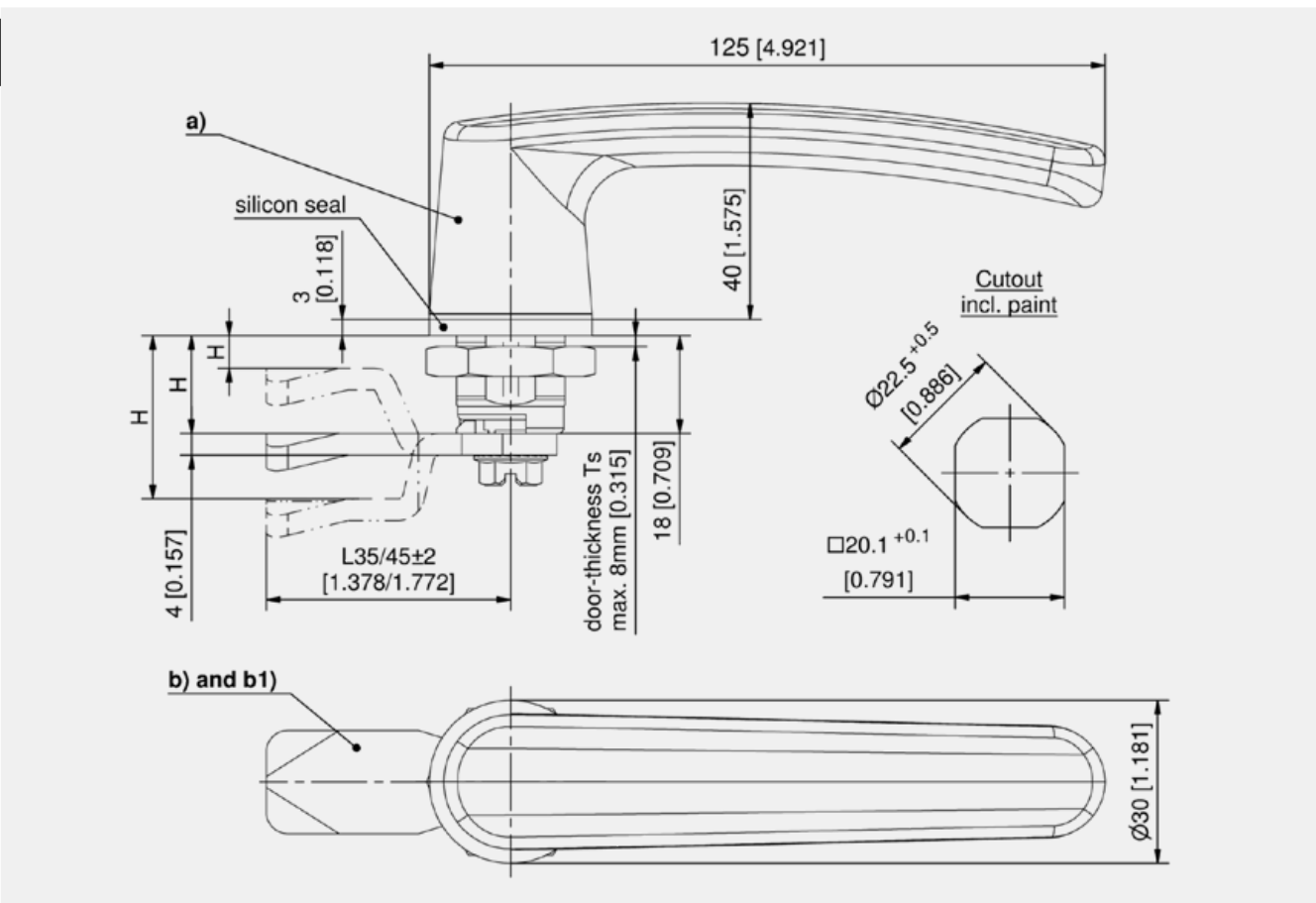
**Specially developed Hygiene stainless steel Quarter-Turn with L-Handle (HD, Hygienic design), for applications in the food sector and hygienic areas**

**Advantages**

- Tested according to: GS-NV 2:2013/06 Principles for the testing of food processing machines GS-NV 6:2013/06 Principles for the testing of hygiene requirements. Machine Ordinance: DIN EN 1672-2:2009
- DGVU Test Certificate NV 13090.
- Dirt resistant and easy to clean by means of polished surface and transition radii.
- RH / LH application.
- IP 65/67/69K according to DIN EN 60529 / DIN 40050.
- Cam can be delivered pre-assembled upon request.
- A pre-assembled Quarter-Turn can be installed in the cutout.
- (S) = max. 8 mm.

**Materials**

- **Housing and Handle:** stainless steel AISI 316 L
- **Grounding nut and serrated screws:** stainless steel
- **Seal:** Silicon, blue, FDA conform (Food and Drug Administration)



Hygiene Quarter-Turn with L-Handle

Part Number	Grounding type	Material
a) 100-9416.00-00000	Grounding nut	Stainless Steel

Accessories		
b1) 165	7-105.01	Cams L35/45 without Ramp and Stop
b) 162	7-105	Cams L35/45 stainless steel

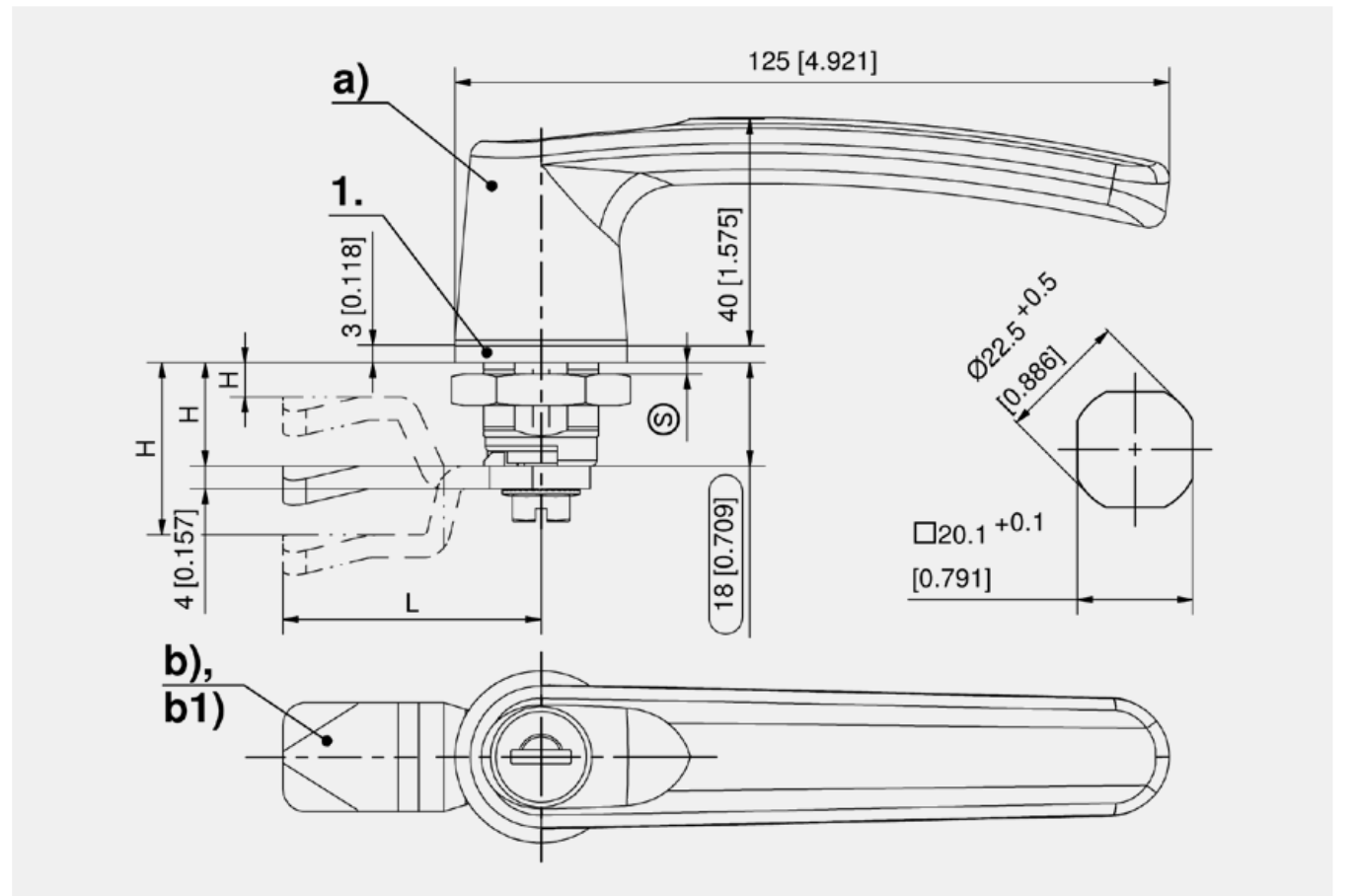
stainless steel 316L, for cutout 20.1, length 18

**Advantages**

- Suitable for the food sector and hygienic areas.
- Meets Hygiene requirements acc. to DIN EN ISO 14159 and DIN EN 1672-2.
- Polished surface.
- RH or LH application.
- Seal FDA conform.
- IP 65/67 DIN EN 60529.
- Grounding by grounding nut.
- Cam can be delivered pre-assembled upon request.
- The pre-assembled Quarter-Turn can be installed in the cutout.

**Materials**

- **Housing and Handle:** stainless steel AISI 316 L
- **Grounding nut and serrated screws:** stainless steel
- **Seal:** Silicon, blue, FDA conform (Food and Drug Administration)



Quarter-Turn with L-Handle

Part Number	Latching type	Grounding type	Material
a) 100-9416.00-01333	keyed alike DIRAK 1333	Grounding nut	Stainless Steel
a) 100-9416.00-99999	keyed different	Grounding nut	Stainless Steel

Accessories		
b1) 165	7-105.01	Cams L35/45 without Ramp and Stop
b) 162	7-105	Cams L35/45 stainless steel



**Specially developed stainless steel Hygiene Compression Latch (HD, Hygienic Design) with insert square SW13, for applications in the food sector and hygienic areas**

**Advantages**

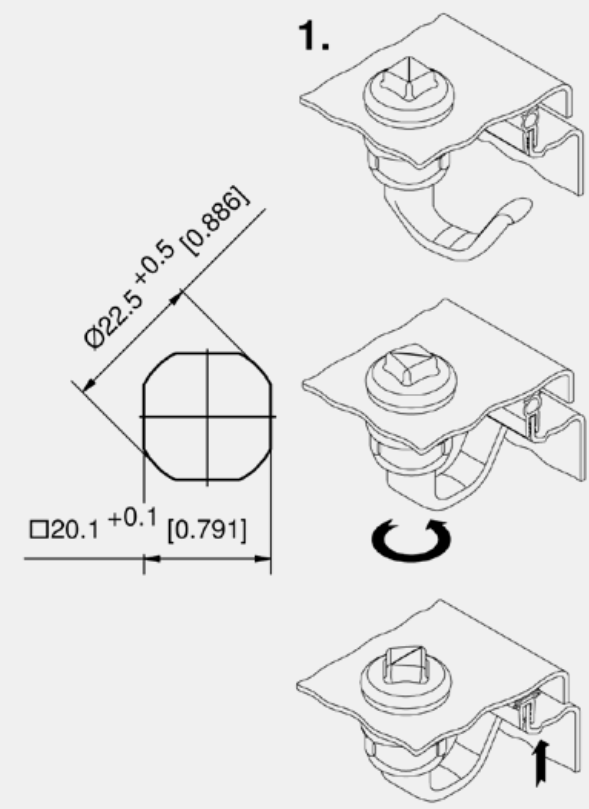
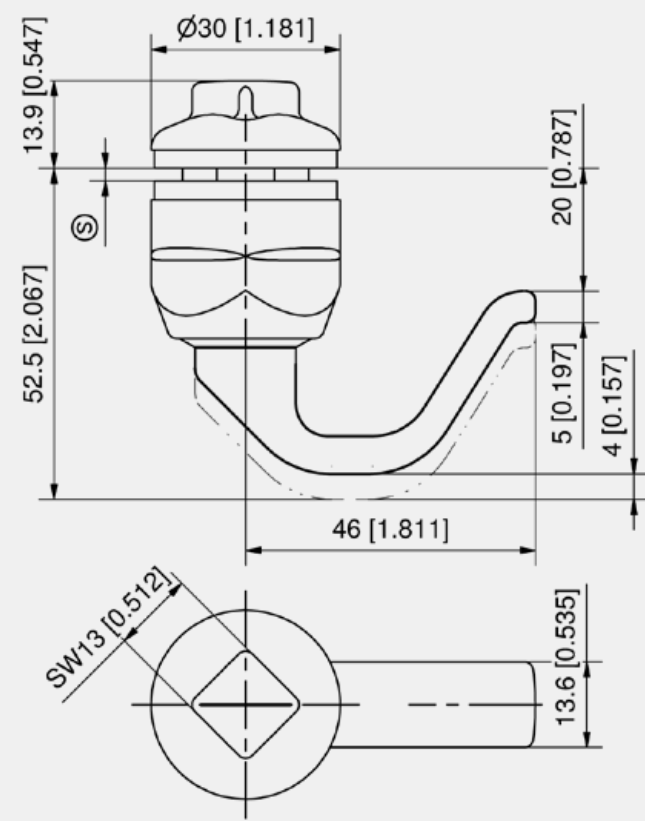
- Compression 4 mm.
- Vibration-proof according to DIN EN 61373.
- The complete Quarter-Turn is certified and tested according to: GS-NV 2:2013/06
- Principles for the testing of food processing machines
- GS-NV 6:2013/06 Principles for the testing of hygiene requirements.
- Machine Ordinance: DIN EN 1672-2:2009.
- DGUV Test Certificate NV 13090.
- IP 65/67/69K according to DIN EN 60529 / DIN 40050.

**Materials**

- **Housing, insert, nut, cam:** stainless steel AISI 316L
- **Seal:** silicone, blue, FDA conform ( Food and Drug Administration)

**Remarks**

The compression latch is delivered with assembled cam.  
(S) = max. 4 mm.  
1.= Operation



Hygiene compression latch

Part Number	Door-thickness	Insert	Version	Compression	Material	Installation type
100-9504.00-00000	max. 4 mm	SW13	RH	4	Stainless Steel	screw-on
100-9505.00-00000	max. 4 mm	SW13	LH	4	Stainless Steel	screw-on

Accessories	
+	759 204-0140.39-05010 Key SW13



Hygiene Quarter-Turn with L-Handle

See page 148

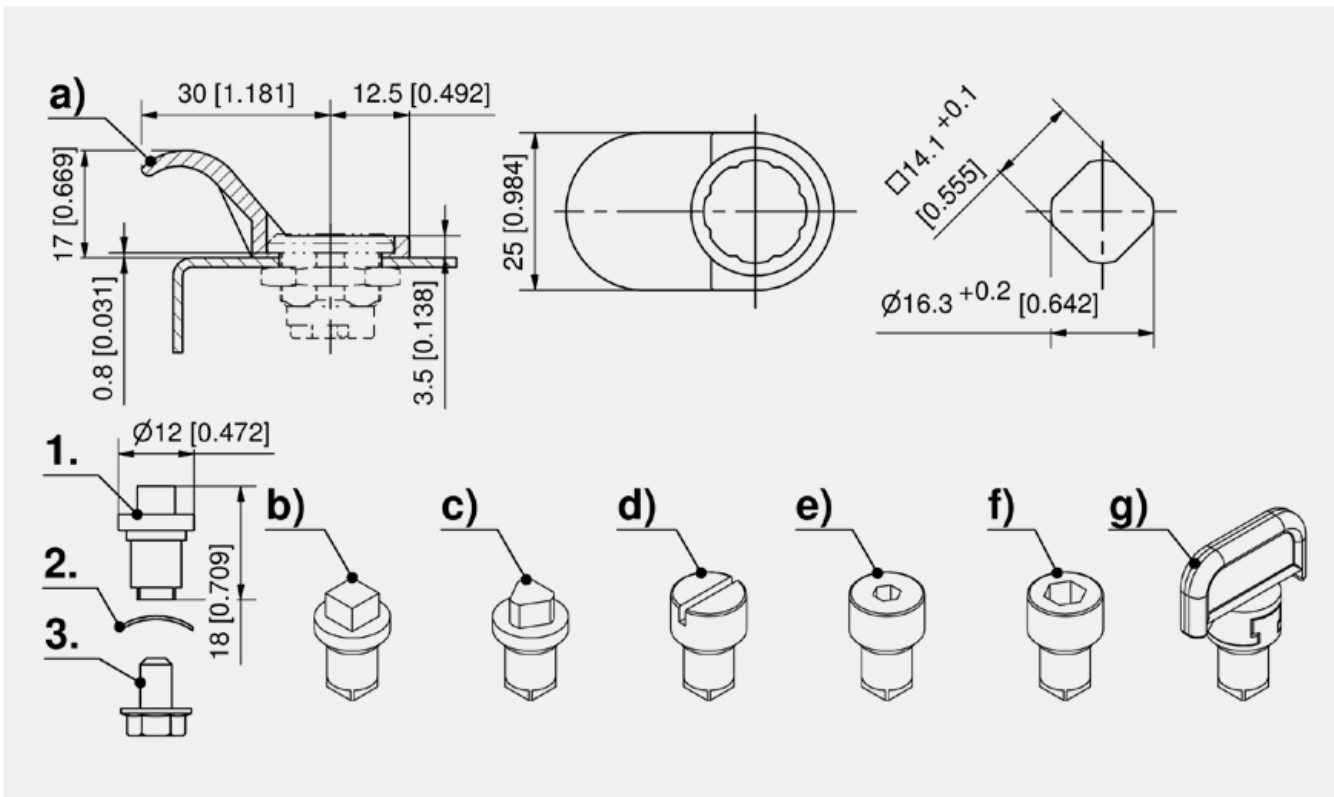


**Advantages**

- Inserts for Quarter-Turn Pr14.1.
- Finger pull for Quarter-Turn Pr14.1.
- For head Ø20mm.

**Remarks**

1. insert
  2. spring washer
  3. self-locking screw
- By using a finger pull the H-dimension changes by 0.8mm.



Finger pull and inserts

	Part Number	Name	Material	Surface
a)	220-1301.00-00000	Finger pull	PA	black
b)	220-9102.00-00000	Insert square 6mm	zinc die	chrome plated
b)	220-9105.00-00000	Insert square 6mm	zinc die	black
c)	220-9101.00-00000	Triangular 6.5mm	zinc die	chrome plated
c)	220-9104.00-00000	Triangular 6.5mm	zinc die	black
d)	220-9103.00-00000	Slotted 1.5mm	zinc die	chrome plated
d)	220-9106.00-00000	Slotted 1.5mm	zinc die	black
e)	220-9118.00-00000	Socket hex.SW 4mm (5/32")	zinc die	chrome plated
e)	220-9119.00-00000	Socket hex.SW 4mm (5/32")	zinc die	black
f)	220-9107.00-00000	Socket hex. SW 6mm	zinc die	chrome plated
f)	220-9127.00-00000	Socket hex. SW 6mm	PA	black
g)	220-9117.00-00000	Wing Knob Insert	PA	black



**Advantages**

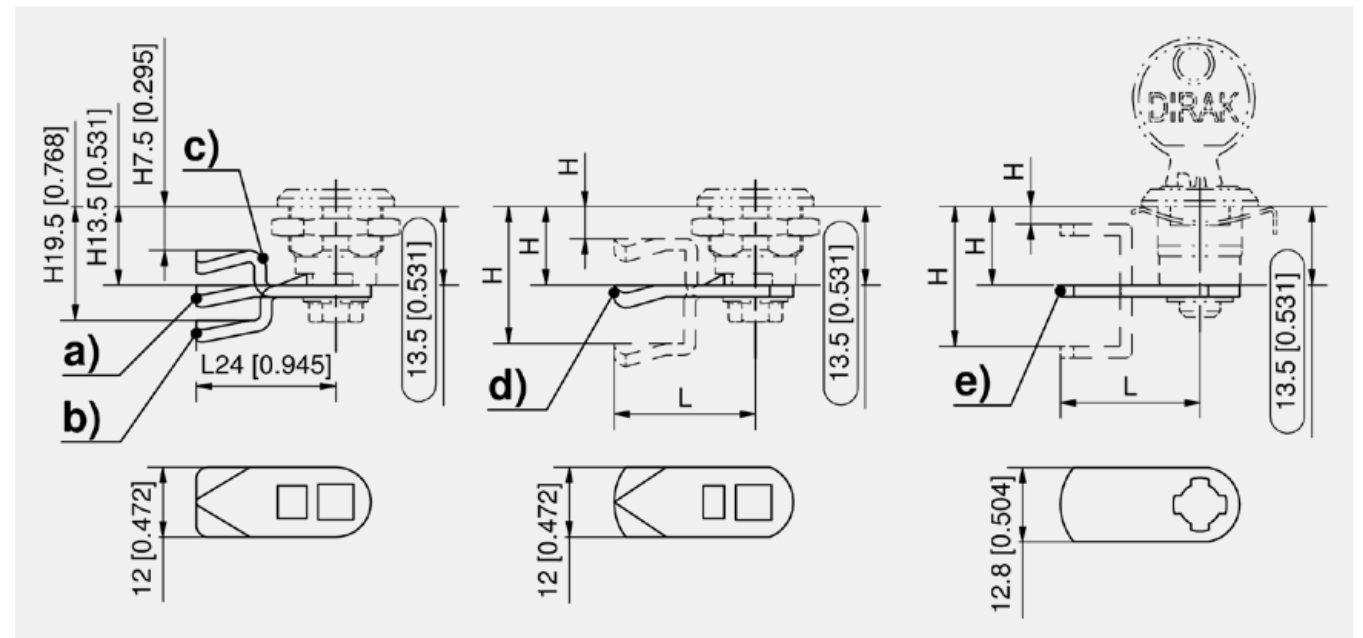
- Cams, L- and H-dimension fixed.
- Special cams, L- and H-dimension variable.
- Special cams with star connection, L- and H-dimension variable.
- **Please note:** cams with star connection only for cylinder Quarter-Turns.

**Materials**

- **Cams:** steel, zinc plated

**Remarks**

1. ramp 2mm
2. stop



Cam, L-and H-dimension variable

	Part Number	Stop	H-dimension	Length
a)	220-0501.00-00000	Yes	13.5 mm	24 mm
b)	220-0502.00-00000	Yes	19.5 mm	24 mm
c)	220-0503.00-00000	Yes	7.5 mm	24 mm
d)	220-10LL.00-Hxxmm	Yes	variable	variable
e)	220-20LL.00-Hxxmm	No	variable	variable



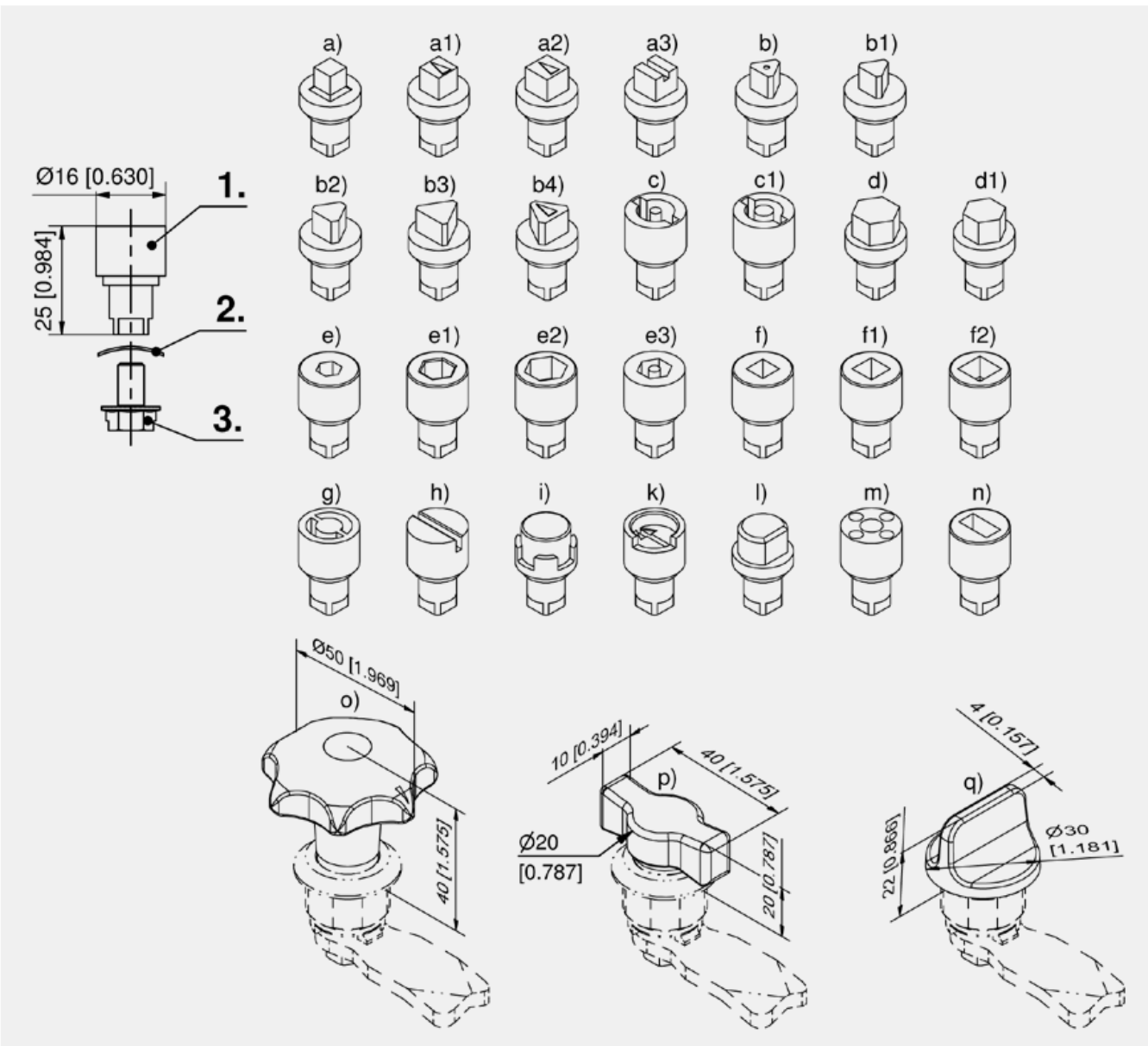
for Quarter-Turn cutout 20.1

Advantages

- Keys for insert see product-system 6-100.
- Including spring washer and self locking screw M6.

Remarks

**Please note:** q): only for Quarter-Turns with head height max. 4mm.



Inserts

	Part Number	Name	Material	Surface
a)	200-9101.00-00000	Insert square 6mm	zinc die	chrome plated
a)	200-9127.00-00000	Insert square 6mm	zinc die	black
a1)	200-9102.00-00000	Insert square 7mm	zinc die	chrome plated
a1)	200-9116.00-00000	Insert square 7mm	zinc die	black
a2)	200-9103.00-00000	Insert square 8mm	zinc die	chrome plated
a2)	200-9128.00-00000	Insert square 8mm	zinc die	black
a3)	200-9111.00-00000	Insert square 8mm slotted	zinc die	chrome plated
b)	200-9106.00-00000	Insert triangular 6,5mm CNOMO Type 1	zinc die	chrome plated
b1)	200-9104.00-00000	Insert triangular 7mm	zinc die	chrome plated
b1)	200-9129.00-00000	Insert triangular 7mm	zinc die	black
b2)	200-9105.00-00000	Insert triangular 8mm	zinc die	chrome plated
b2)	200-9130.00-00000	Insert triangular 8mm	zinc die	black
b3)	200-9147.00-00000	Insert triangular 9mm EDF	zinc die	chrome plated
b3)	200-9148.00-00000	Insert triangular 9mm EDF	zinc die	black
b4)	100-9166.00-00000	Insert triangular 9mm	zinc die	chrome plated
b4)	100-9167.00-00000	Insert triangular 9mm	zinc die	black
c)	200-9107.00-00000	Insert double bit 3mm pin	zinc die	chrome plated
c)	200-9131.00-00000	Insert double bit 3mm pin	zinc die	black
c)	200-9117.00-00000	Insert double bit 3mm pin	PA / zinc die core	black
c1)	200-9108.00-00000	Insert double bit 5mm pin	zinc die	chrome plated
c1)	200-9132.00-00000	Insert double bit 5mm pin	zinc die	black
c1)	200-9118.00-00000	Insert double bit 5mm pin	PA / zinc die core	black
d)	200-9171.00-00000	Insert hex. SW 7/16"	zinc die	chrome plated
d)	100-9127.00-00000	Insert hex. SW 7/16"	zinc die	black
d1)	200-9185.00-00000	Insert hex. SW 10mm	zinc die	chrome plated
e)	200-9142.00-00000	Socket hex. SW 6mm	zinc die	chrome plated
e1)	200-9196.00-00000	Insert socket hex. SW 8mm	zinc die	chrome plated
e1)	200-9197.00-00000	Insert socket hex. SW 8mm	zinc die	black
e2)	200-9112.00-00000	Insert socket hex. SW 10mm	zinc die	chrome plated
e3)	200-9172.00-00000	Insert socket hex. 5/16" pin 3mm	zinc die	chrome plated
e3)	200-9178.00-00000	Insert socket hex. 5/16" pin 3mm	zinc die	black
f)	200-9166.00-00000	Insert socket square 6mm	zinc die	chrome plated
f1)	200-9167.00-00000	Insert socket square 7mm	zinc die	chrome plated
f2)	200-9168.00-00000	Insert socket square 8mm	zinc die	chrome plated
g)	200-9109.00-00000	Insert Daimler Benz pin	zinc die	chrome plated
g)	200-9133.00-00000	Insert Daimler Benz pin	zinc die	black
h)	200-9113.00-00000	Insert slotted 2x4mm	zinc die	chrome plated
h)	200-9143.00-00000	Insert slotted 2x4mm	zinc die	black
h)	200-9126.00-00000	Insert slotted 2x4mm	PA / zinc die core	black
i)	200-9110.00-00000	Insert crown type	zinc die	chrome plated
k)	200-9164.00-00000	Insert slotted recessed coinproof	zinc die	chrome plated
k)	200-9169.00-00000	Insert slotted recessed coinproof	zinc die	black
l)	200-9154.00-00000	Insert crescent Czech	zinc die	chrome plated
m)	200-9170.00-00000	Insert FIAT	zinc die	chrome plated
n)	200-9141.00-00000	Insert GDF 10mmx 5mm France	zinc die	chrome plated
o)	200-9114.00-00000	Star knob	PA / zinc die core	black
p)	200-9115.00-00000	Wing knob	PA / zinc die core	black
q)	100-9115.00-00000	Wing knob (only for housings Ø28)	zinc die	black

**Advantages**

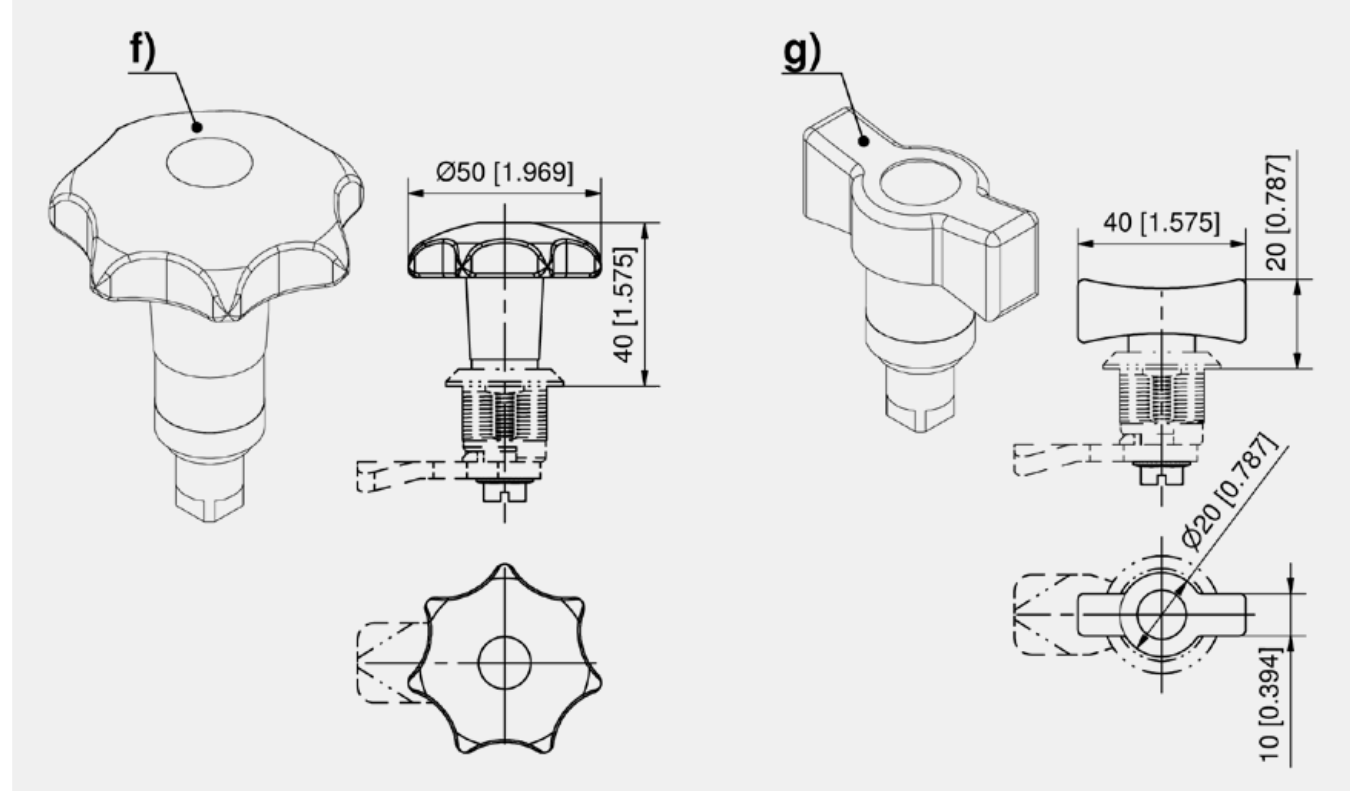
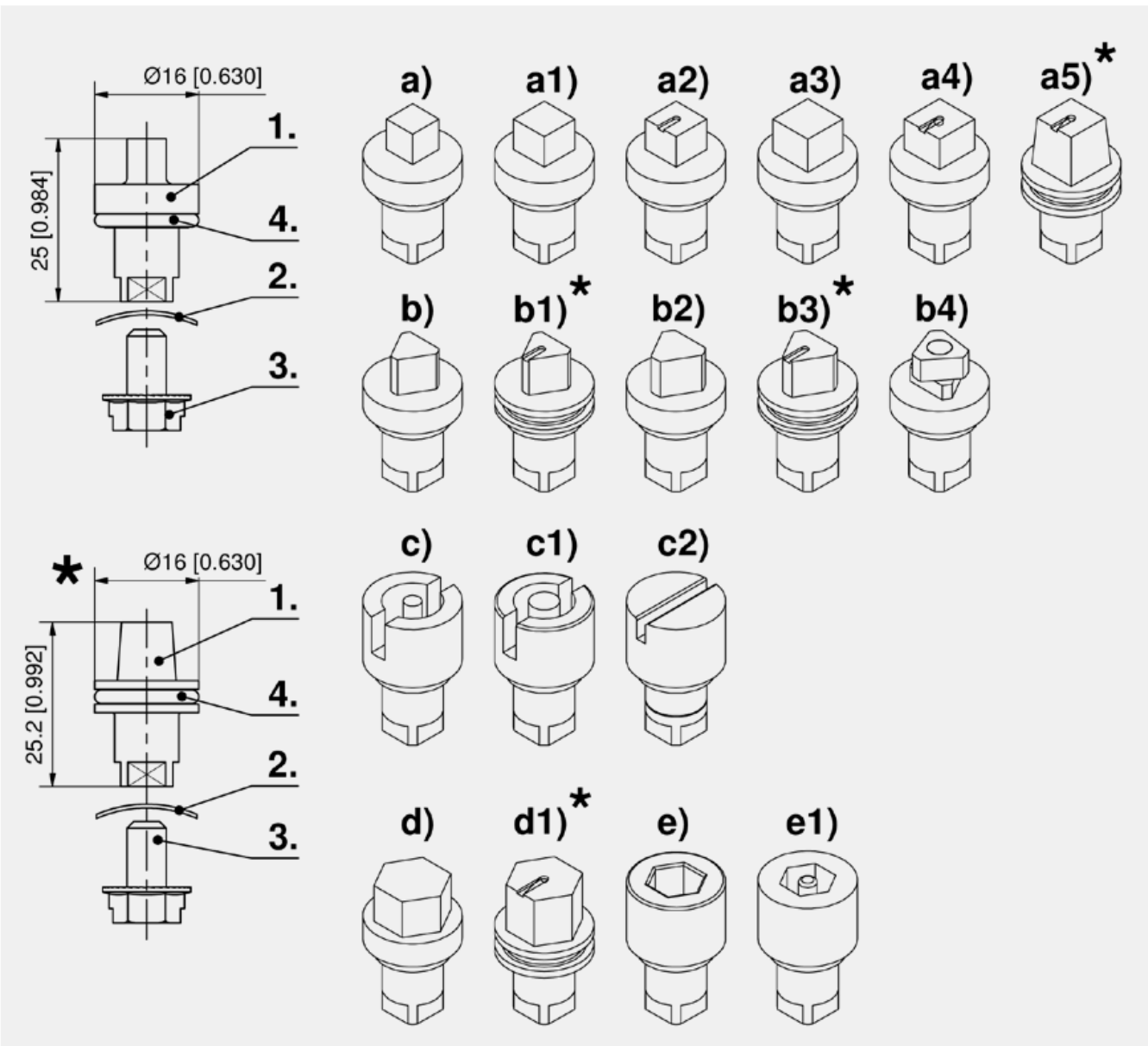
Insert with screw, wave washer and o-ring

**Materials**

■ **Inserts:** stainless steel

**Remarks**

- 1. = Insert
- 2. = Wave washer
- 3. = Screw
- 4. = O-ring



Insert

	Part Number	Insert	Indicator	Material
a)	200-9146.00-00000	Square 6mm		stainless steel AISI 316L
a1)	200-9119.00-00000	Square 7mm		stainless steel AISI 316L
a2)	100-9160.00-00000	Square 7mm	Yes	stainless steel AISI 316
a3)	200-9120.00-00000	Square 8mm		stainless steel AISI 316L
a4)	100-9161.00-00000	Square 8mm	Yes	stainless steel AISI 316
a5)	100-9165.00-00000	Conical square 9mm	Yes	stainless steel AISI 316
b)	200-9121.00-00000	Triangular 7mm		stainless steel AISI 316L
b1)	100-9162.00-00000	Triangular 7mm	Yes	stainless steel AISI 316
b2)	200-9122.00-00000	Triangular 8mm		stainless steel AISI 316L
b3)	100-9163.00-00000	Triangular 8mm	Yes	stainless steel AISI 316
b4)	100-9168.00-00000	Security insert with free rotating 8mm triangular front part		stainless steel AISI 316L
c)	200-9123.00-00000	Double bit 3mm pin		stainless steel AISI 316L
c1)	200-9124.00-00000	Double bit 5mm pin		stainless steel AISI 316L
c2)	200-9151.00-00000	Slotted 2x4mm		stainless steel AISI 316L
d)	200-9192.00-00000	Hex. 7/16"		stainless steel AISI 316L
d1)	100-9164.00-00000	Hex.SW 11	Yes	stainless steel AISI 316
e)	200-9195.00-00000	Socket hex. 8mm (5/16")		stainless steel AISI 316L
e1)	100-9118.00-00000	Socket hex. 8mm (5/16")		stainless steel AISI 316L
f)	200-9125.00-00000	Star knob		PA with stainless steel insert
g)	200-9179.00-00000	Wing knob		PA with stainless steel insert





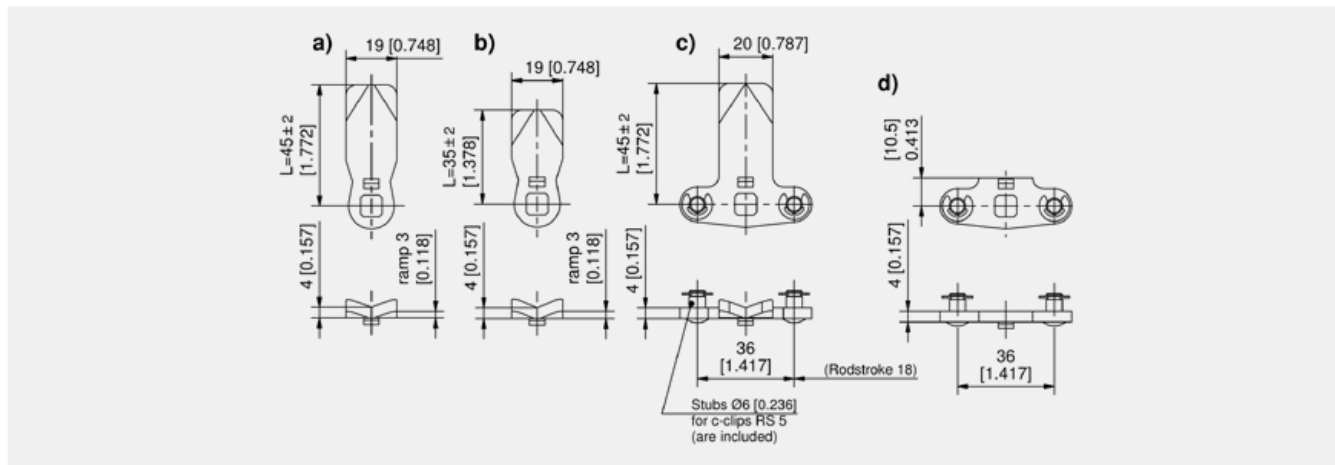


**Advantages**

- Cams with 35mm and 45mm length for 1-point locking.
- 3-point cam for 3-point locking.
- 2-point cam as rod control for 2-point locking.

**Materials**

- **Cams:** stainless steel AISI 304



Cams, L45

	Part Number	H-dimension GI18	H-dimension GI30	H-dimension GI36	H-dimension GI40	H-dimension GI50	H-dimension GI60	Stop
a)	200-0506.00-00000	6 mm	18 mm	24 mm	28 mm	38 mm	48 mm	Yes
a)	200-0508.00-00000	8 mm	20 mm	26 mm	30 mm	40 mm	50 mm	Yes
a)	200-0510.00-00000	10 mm	22 mm	28 mm	32 mm	42 mm	52 mm	Yes
a)	200-0514.00-00000	14 mm	26 mm	32 mm	36 mm	46 mm	56 mm	Yes
a)	200-0516.00-00000	16 mm	28 mm	34 mm	38 mm	48 mm	58 mm	Yes
a)	200-0518.00-00000	18 mm	30 mm	36 mm	40 mm	50 mm	60 mm	Yes
a)	200-0520.00-00000	20 mm	32 mm	38 mm	42 mm	52 mm	62 mm	Yes
a)	200-0522.00-00000	22 mm	34 mm	40 mm	44 mm	54 mm	64 mm	Yes
a)	200-0524.00-00000	24 mm	36 mm	42 mm	46 mm	56 mm	66 mm	Yes
a)	200-0526.00-00000	26 mm	38 mm	44 mm	48 mm	58 mm	68 mm	Yes
a)	200-0528.00-00000	28 mm	40 mm	46 mm	50 mm	60 mm	70 mm	Yes
a)	200-0532.00-00000	32 mm	44 mm	50 mm	54 mm	64 mm	74 mm	Yes
a)	200-0542.00-00000	42 mm	54 mm	60 mm	64 mm	74 mm	84 mm	Yes
a)	200-0550.00-00000	50 mm	62 mm	68 mm	72 mm	82 mm	92 mm	Yes

Cams, L35

	Part Number	H-dimension GI18	H-dimension GI30	H-dimension GI36	H-dimension GI40	H-dimension GI50	H-dimension GI60	Stop
b)	200-4535.00-00018	18 mm	30 mm	36 mm	40 mm	50 mm	60 mm	Yes
b)	200-4535.00-00020	20 mm	32 mm	38 mm	42 mm	52 mm	62 mm	Yes
b)	200-4535.00-00022	22 mm	34 mm	40 mm	44 mm	54 mm	64 mm	Yes

3-Point Cam

	Part Number	Version	Stop
c)	200-9845.00-00022	Bending A20	Yes
c)	200-9845.00-00028	Bending A26	Yes

2-Point Cam

	Part Number	Stop
d)	200-9899.00-00000	Yes



**Advantages**

- Slide shoe for cams, 2 parts.
- Tool-less assembly.
- Matching cams as of 35 mm, product system 1-102 and 7-105.
- No abrasion of the metal and therefore safety concerning electronic built-in components.
- Good gliding properties, therefore low friction coefficient.
- The assembly will be carried out with the already installed Quarter-Turn, it is possible to retrofit at any time.
- Vibration-proof according to DIN EN 61373.
- **Caution:** The H-dimension diminishes by 2mm. E.g. cam 200-0418 (H-dimension 18mm) results into an H-dimension of 16mm.

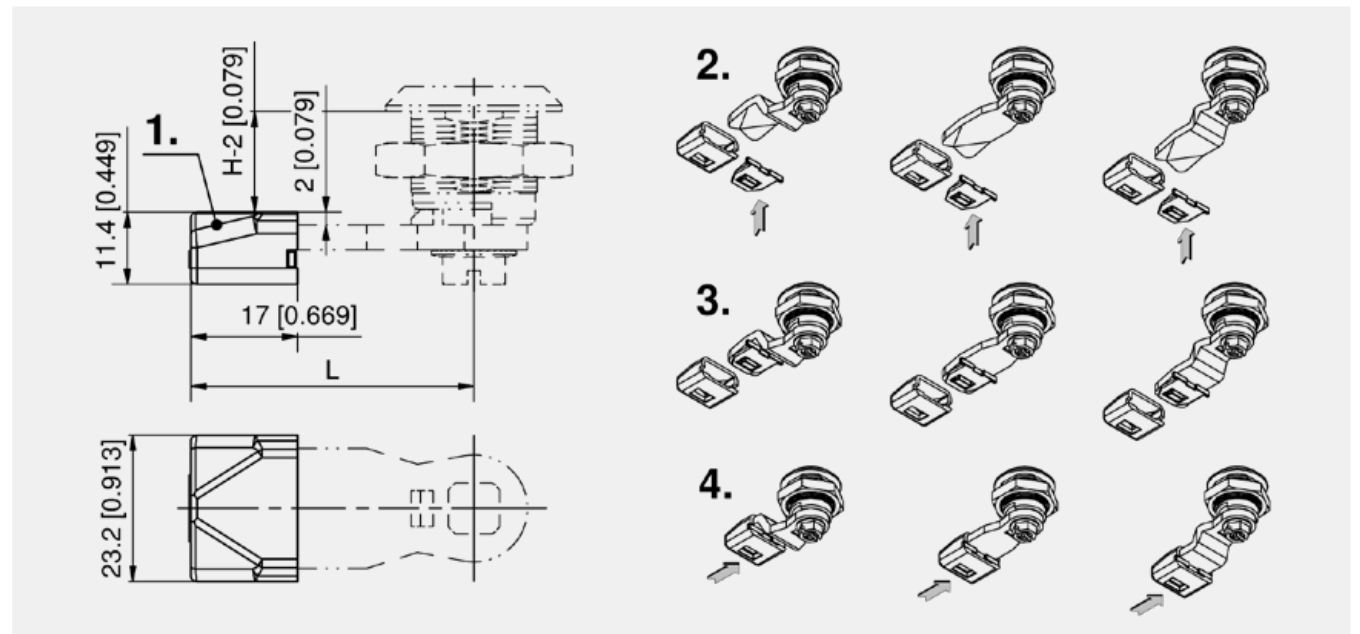
**Materials**

- **Slide shoe:** POM, natural

**Remarks**

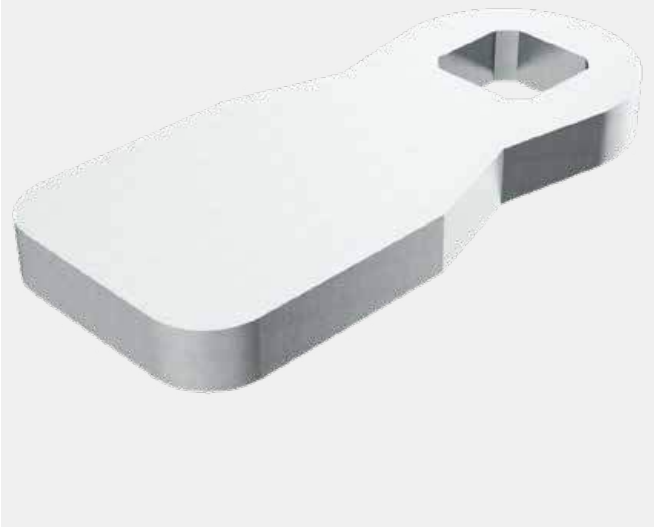
The Slide shoe **cannot** be used with the following cams: 200-0606, 200-0608, 200-0610, 200-0613, 200-0614, 200-0402, 200-0404, 200-0406, 200-0408, 200-0410, 200-0506, 200-0508 and 200-0510 and **not** for 3-point cams of product system 2-150, 1-102 and 7-105.

1. Ramp 3mm
2. Place latch under the cam.
3. Slide housing onto the cam and the latch.
4. Latch must lock audibly into the window.



Slide shoe

Part Number	Material	Surface
200-9622.00-00000	POM	natural



**Advantages**

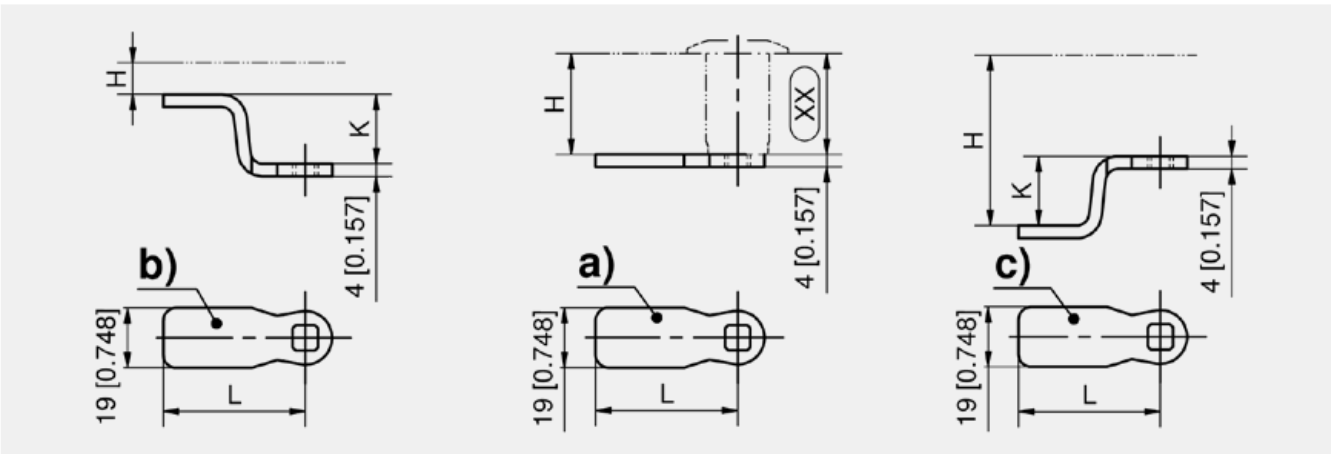
- **a)** = straight cam (XX)
- **(XX)** = housing length, measured from the upper edge of the panel to the upper edge of the cam.
- **b)** = negatively bent cam (upwards).
- **c)** = positively bent cam (downwards).
- Formula for H-dimension =  
for **negatively** bent cams **K** will be **subtracted** from (XX),  
for **positively** bent cams **K** will be **added** to (XX).

**Materials**

- **Cams:** steel, zinc plated

**Remarks**

**Attention:** please note that a collision with the fixing nut of negatively bent cams installed in thick doors might be possible. The functionality has to be checked in the individual case.



Cam, length 45mm, without stop

Part Number	b) negatively bent K =	c) positively bent K =	Length
100-0545.15-00022	22 mm	22 mm	45 mm
100-0545.15-00020	20 mm	20 mm	45 mm
100-0545.15-00018	18 mm	18 mm	45 mm
100-0545.15-00016	16 mm	16 mm	45 mm
100-0545.15-00014	14 mm	14 mm	45 mm
100-0545.15-00012	12 mm	12 mm	45 mm
100-0545.15-00010	10 mm	10 mm	45 mm
100-0545.15-00008	8 mm	8 mm	45 mm
100-0545.15-00006	6 mm	6 mm	45 mm
100-0545.15-00004	4 mm	4 mm	45 mm
100-0545.15-00002	2 mm	2 mm	45 mm
a) 100-0545.15-00000	00 mm	00 mm	45 mm



**Advantages**

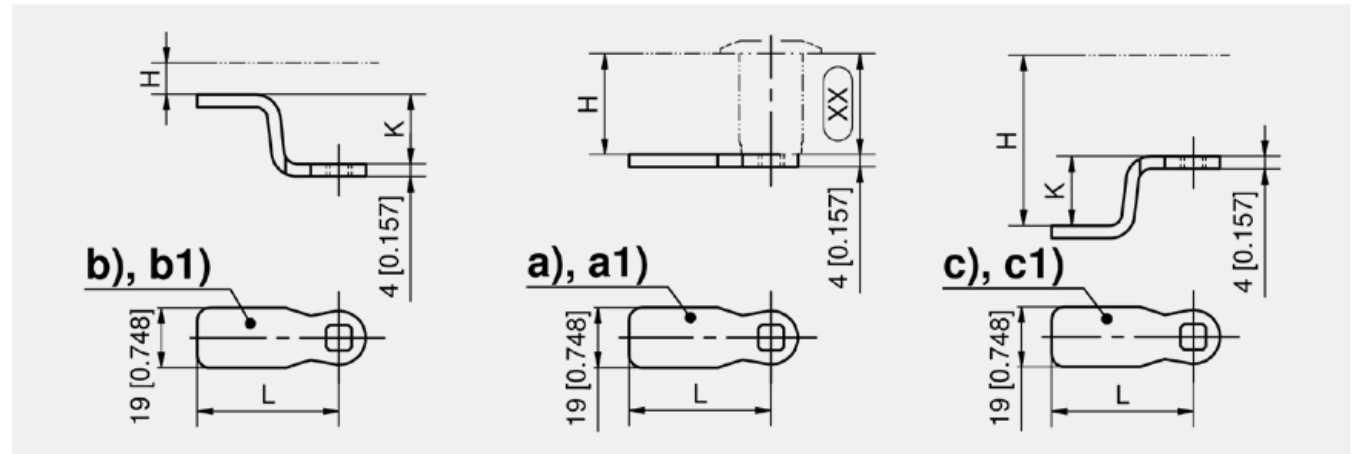
- **a), a1)** = straight cam (XX)
- **(XX)** = housing length, measured from the upper edge of the panel to the upper edge of the cam.
- **b), b1)** = negatively bent cam (upwards)
- **c), c1)** = positively bent cam (downwards)
- Formula for H-dimension =  
for **negatively** bent cams **K** will be **subtracted** from (XX),  
for **positively** bent cams **K** will be **added** to (XX).

**Materials**

- **Cams:** stainless steel  
AISI 304

**Remarks**

**Attention:** please note that a collision with the fixing nut of negatively bent cams installed in thick doors might be possible. The functionality has to be checked in the individual case.



Cam, length 35mm, without stop

Part Number	b) negatively bent K =	c) positively bent K =	Length
100-0535.80-00022	22 mm	22 mm	35 mm
100-0535.80-00020	20 mm	20 mm	35 mm
100-0535.80-00018	18 mm	18 mm	35 mm
100-0535.80-00016	16 mm	16 mm	35 mm
100-0535.80-00014	14 mm	14 mm	35 mm
100-0535.80-00012	12 mm	12 mm	35 mm
100-0535.80-00010	10 mm	10 mm	35 mm
100-0535.80-00008	8 mm	8 mm	35 mm
100-0535.80-00006	6 mm	6 mm	35 mm
100-0535.80-00004	4 mm	4 mm	35 mm
100-0535.80-00002	2 mm	2 mm	35 mm
a) 100-0535.80-00000	00 mm	00 mm	35 mm

Cam, length 45mm, without stop

Part Number	b) negatively bent K =	c) positively bent K =	Length
100-0545.80-00022	22 mm	22 mm	45 mm
100-0545.80-00020	20 mm	20 mm	45 mm
100-0545.80-00018	18 mm	18 mm	45 mm
100-0545.80-00016	16 mm	16 mm	45 mm
100-0545.80-00014	14 mm	14 mm	45 mm
100-0545.80-00012	12 mm	12 mm	45 mm
100-0545.80-00010	10 mm	10 mm	45 mm
100-0545.80-00008	8 mm	8 mm	45 mm
100-0545.80-00006	6 mm	6 mm	45 mm
100-0545.80-00004	4 mm	4 mm	45 mm
100-0545.80-00002	2 mm	2 mm	45 mm
a1) 100-0545.80-00000	00 mm	00 mm	45 mm



**Advantages**

- Hooked cam suitable for all 200-series latches and handles.
- Please note:** When assembling 200-1701 or 200-1703 by DIRAK, please indicate the locking direction of the cam.
- Cam 200-1702 only clockwise operation.

**Materials**

- Hooked cam:** steel, zinc plated

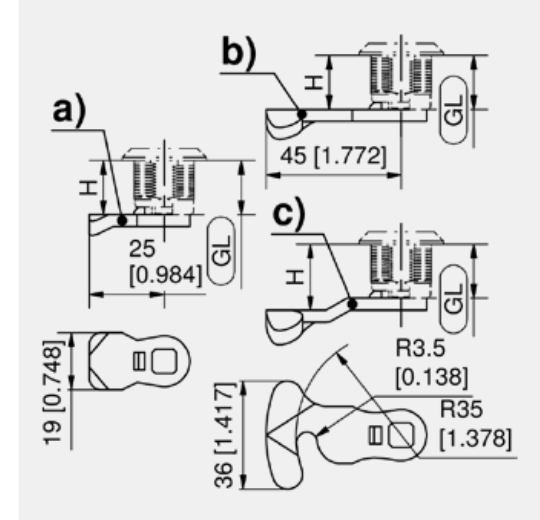


**Advantages**

- a) Cam for Quarter-Turns series 200 with 25mm length.
- b) and c) Cams for Quarter-Turns series 200 with 6mm ramp.

**Materials**

- Cams:** steel, zinc plated



Cam with Ramp

	Part Number	H-dimension	Ramp	Length	Stop
a)	200-5118.00-00000	18 mm	3mm	25 mm	Yes
b)	200-4018.00-00000	18 mm	6mm	45 mm	Yes
c)	200-4022.00-00000	22 mm	6mm	45 mm	Yes

Cam variable

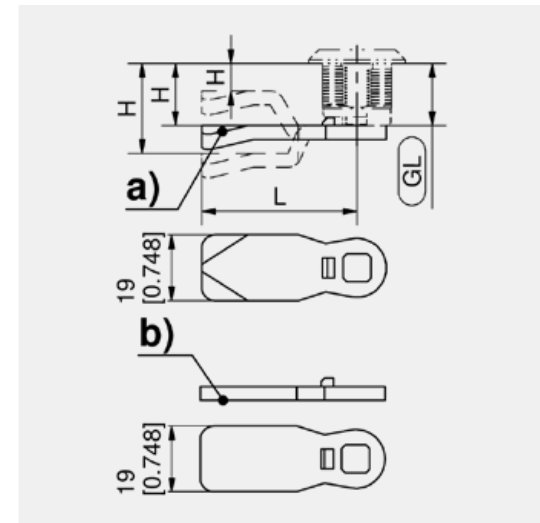


**Advantages**

- Special cams for Quarter-Turn series 200.
- Example for cam **with** ramp, with L=40 and H=20: 200-4440.00-00020
- Example for cam **without** ramp, with L=40 and H=20: 200-5440.00-00020

**Materials**

- Cams:** steel, zinc plated



Cam, L-and H-dimension variable

	Part Number	Version	Stop
a)	200-44LL.00-Hxxmm	with ramp	Yes
b)	200-54LL.00-Hxxmm	without ramp	Yes

Hooked Cams

	Part Number	Version
a)	200-1701.00-00000	RH / LH
b)	200-1703.00-00000	RH / LH
c)	200-1702.00-00000	RH





**Advantages**

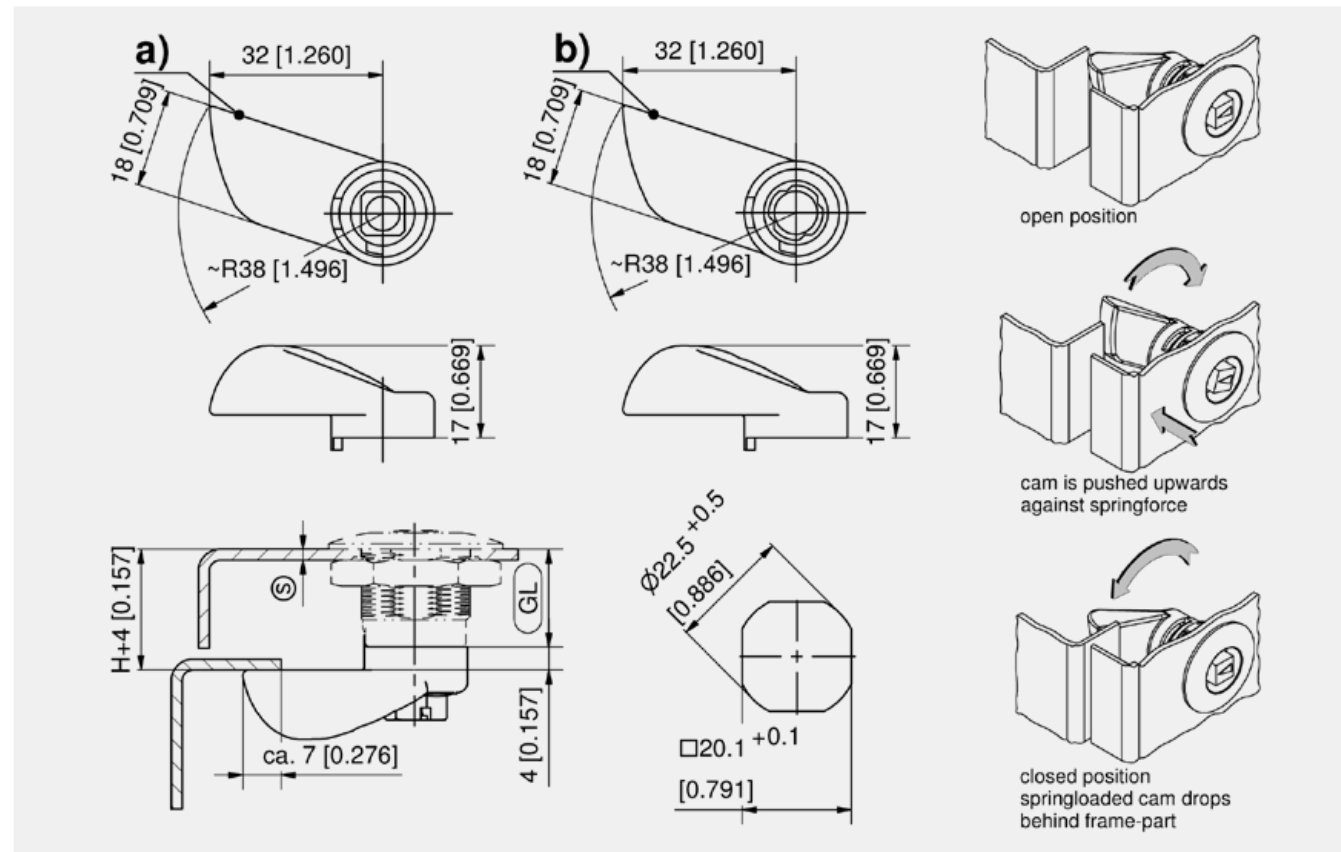
- Slam-cam for slam doors. Locking without key or tool.
- **To a):** The teflon washer replaces the wave washer underneath the insert.
- Used with all Quarter-Turns and inserts according.
- **To b):** Slam-cam with free-stroke for applications with cylinder locks and handles.
- A slam-cam set consists 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.

**Materials**

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

**Remarks**

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



Slam-Cam

	Part Number	Type	Version	H-dimension	Length
a)	200-9605.00-00000	for insert	RH	22 mm	32 mm
a)	200-9606.00-00000	for insert	LH	22 mm	32 mm
b)	200-9607.00-00000	for Cylinder Quarter-Turns and Handle variants	RH	22 mm	32 mm
b)	200-9608.00-00000	for Cylinder Quarter-Turns and Handle variants	LH	22 mm	32 mm

Accessories	
+	1-101 Inserts Pr20.1
	1-100 Quarter-Turn Pr20.1 L18
	1-110 Quarter-Turn Pr20.1 L30-60

Accessories	
+	1-120 Cylinder Quarter-Turn Pr20.1 L18
	1-154 Quarter-Turn with L-Handle Pr20.1 L18 and 40
	1-210 Quarter-Turn with Conical Square Insert Pr20.1 L18

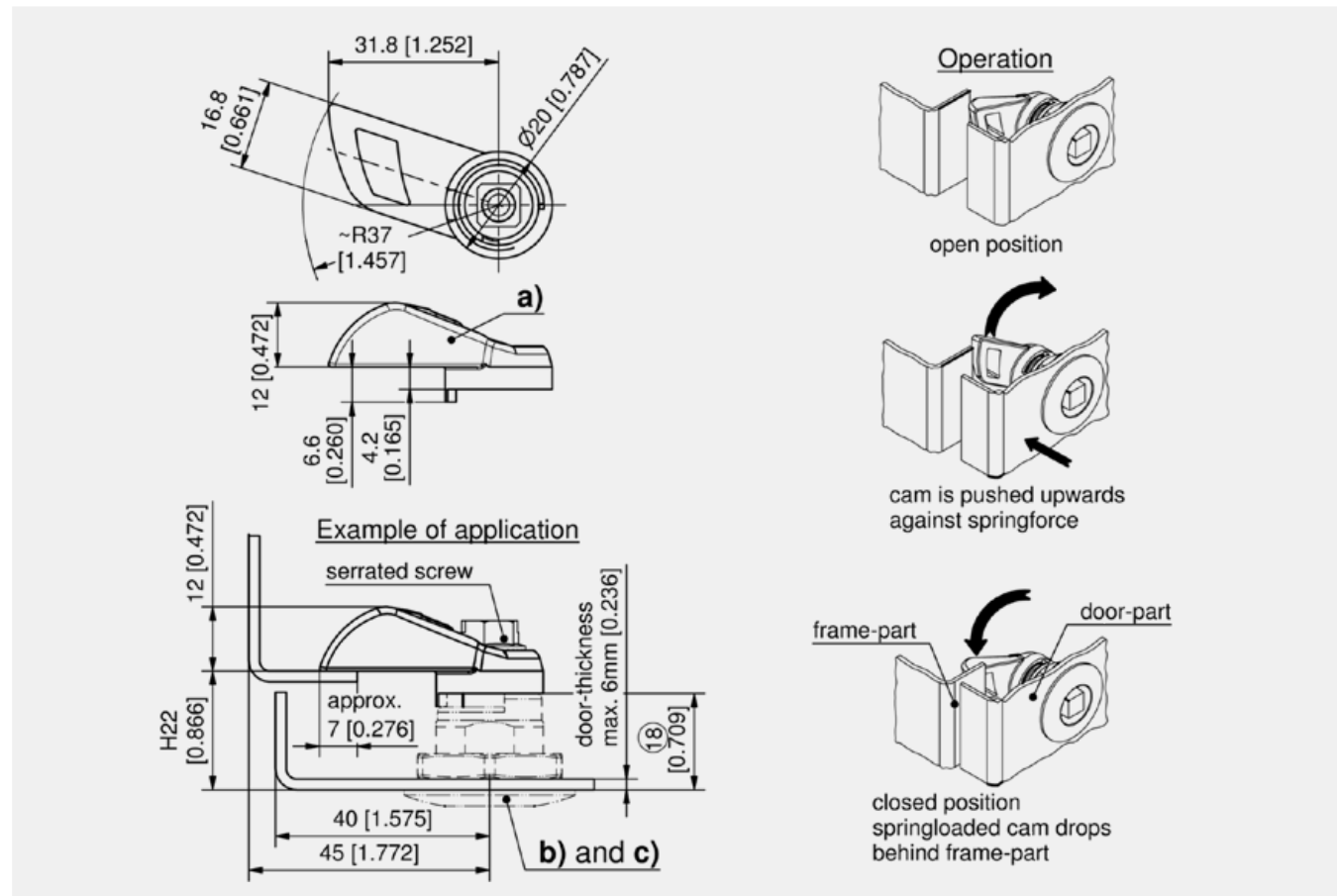


**Advantages**

- Slam-cam for slam doors or flaps.
- Locking without key or tool.
- A slam-cam set consists of a cam, a spring and a serrated screw with self securing powder dot.
- This self securing powder dot is to tune / adjust the correct friction for the stroke.
- On request, latch units with this cam should be assembled by DIRAK. A pre-assembled Quarter-Turn can be installed through the cutout.

**Materials**

- **Slam-cam:** stainless steel AISI 316
- **Spring:** stainless steel AISI 301
- **Serrated screw:** stainless steel AISI 303



Slam-Cam

	Part Number	Version	Length	Material
a)	200-9629.00-00000	RH	32 mm	Stainless Steel
a)	200-9630.00-00000	LH	32 mm	Stainless Steel

Accessories	
+	7-082 Insert Stainless Steel Pr20.1
	7-080 Quarter-Turn Pr20.1 L18 - L60
	7-080.01 Quarter-Turn Pr20.1 L18
	7-084 Cylinder Quarter-Turn Pr20.1 L18

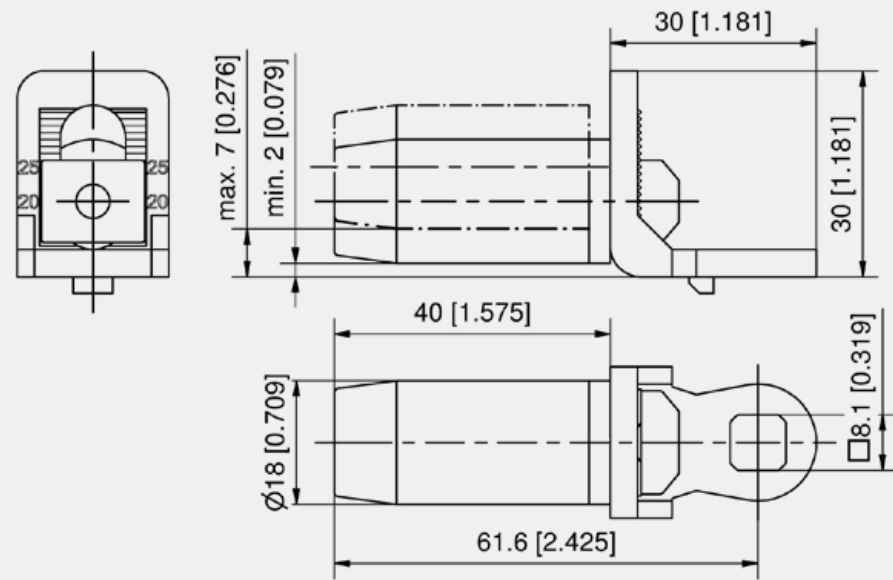


**Advantages**

- The roller cam reduces the friction and eases the closing.
- No scratching or spalling of the paint at the inner part of the bending.
- Adjustable in height from H20 to H25.
- Suitable for all inserts, swing-handles and multipoint locking systems with square 8mm.
- H- dimension of the cam easy to adjust because of impressed height marks.

**Materials**

- **Cam:** zinc die, zinc plated
- **Roller:** PA, black
- **Tenon blocks:** zinc die, untreated
- **Distance bushing:** zinc die, untreated
- **Socket head screw:** teal, zinc plated



Roller cam

Part Number	variable H-dimension	Length	Diameter Ø	Packaging unit
100-9755.00-00000	20 - 25 mm	61.6 mm	18 mm	10 pcs.



**Advantages**

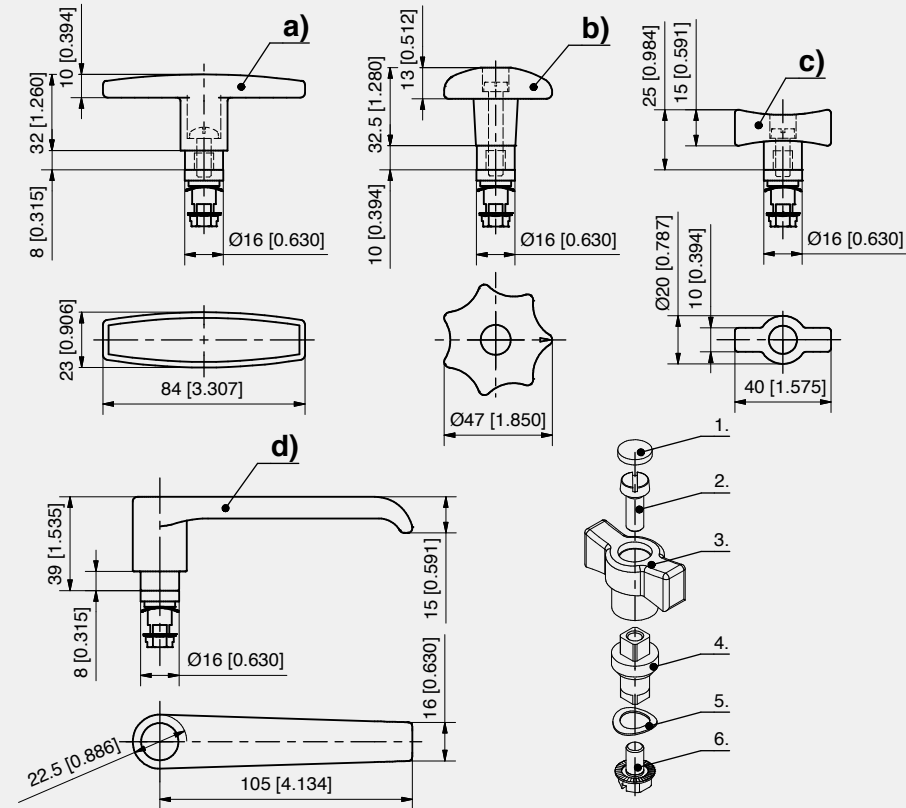
- For all Quarter-Turn Housings Pr20.1.
- Can be assembled afterwards for easier transport and packaging (flush).
- Inserts and screws are included.

**Materials**

- **Handle:** PA, black
- **Inserts:** zinc die, zinc plated

**Remarks**

- Handles consist of:
1. Cover,
  2. Screw M6,
  3. Handle element,
  4. Insert with thread,
  5. Spring washer,
  6. Serrated screw



Handle for Quarter-Turn Pr20.1

	Part Number	Handle element
a)	200-9134.00-09137	T-handle with insert
b)	200-9135.00-09137	Star knob with insert
c)	200-9136.00-09137	Wing knob with insert
d)	200-9144.00-09137	L-handle with insert

**Advantages**

- Dish for Quarter-Turn installation in insulation doors.
- Decrease of the door-thickness of 21 mm.
- Expanded bearing face for the fixing of Quarter-Turns in insulation doors.

**Materials**

- **Dish:** steel, zinc plated



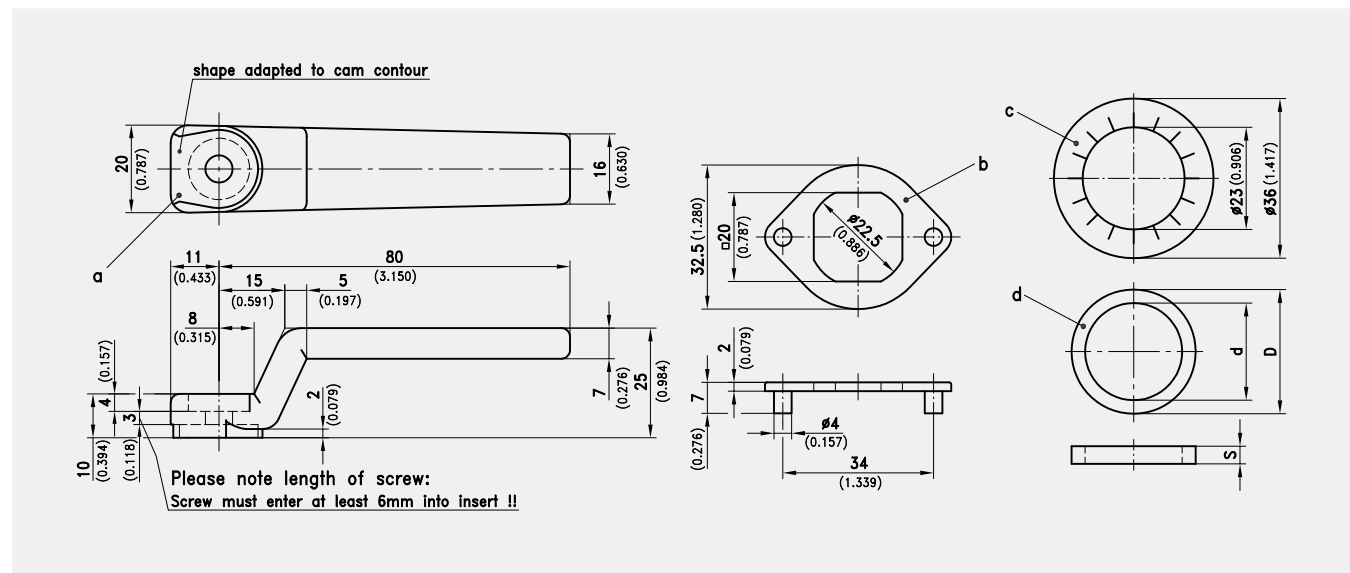
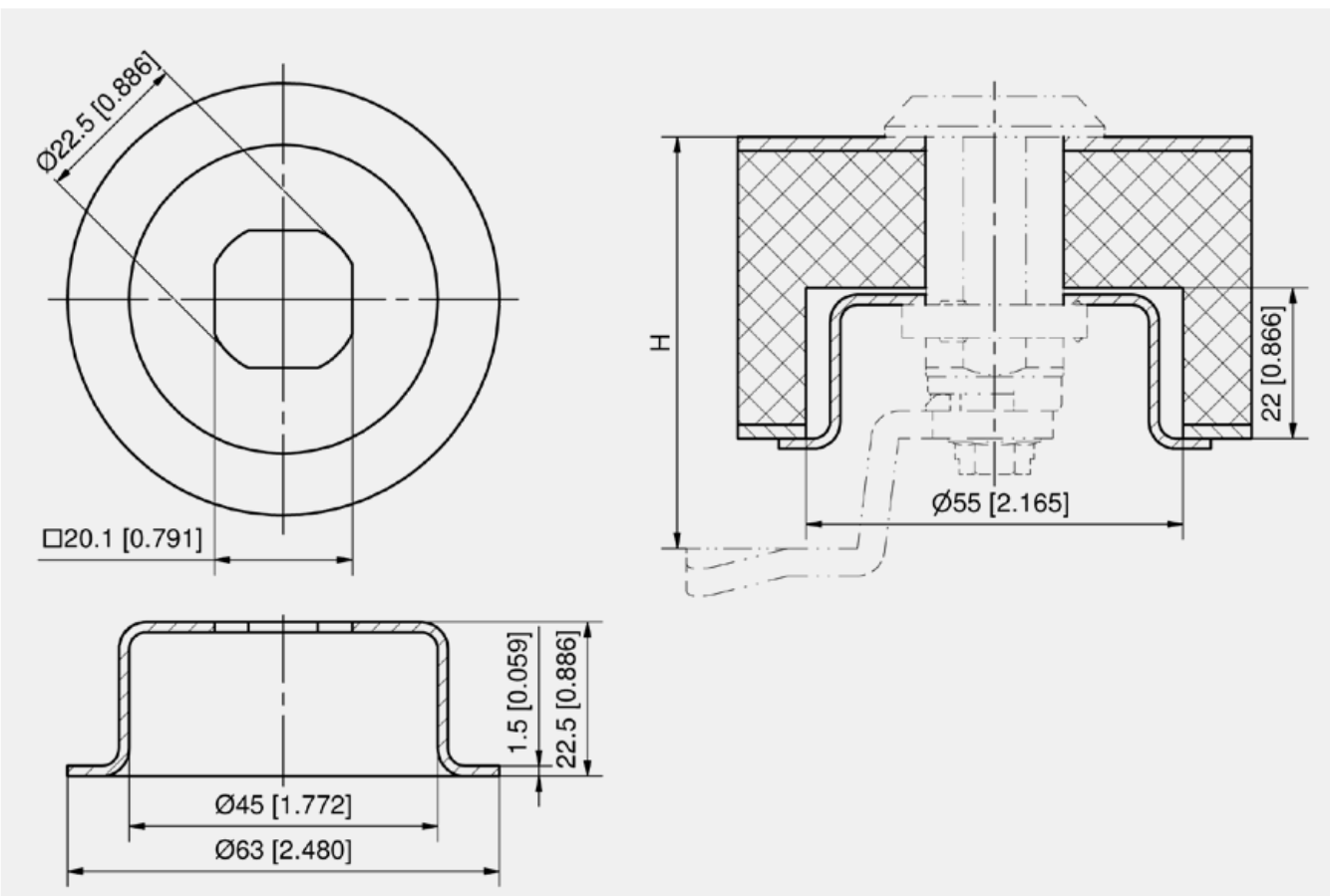
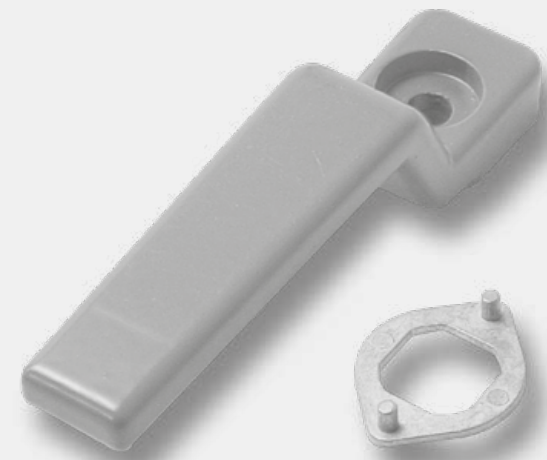
**for cutout 20.1**

**Advantages**

- **Emergency handle** for Quarter-Turn series 200.
- Installation over the cam.
- **Anti-rotation device** for Quarter-Turn series 200 with screw-in feature.

**Materials**

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



Accessories Quarter-Turn

	Part Number	Type	Material	Surface	d	D	S
a)	200-4701.00-00000	Emergency handle	zinc die	red			
b)	200-4601.00-00000	Anti-rotation device	zinc die	zinc plated			
b)	200-4601.02-00000	Anti-rotation device	zinc die	black			
c)	800-0064.00-00000	Serrated lock washer	steel	zinc plated			
c)	840-6798.00-00023	Serrated lock washer	Stainless Steel	untreated			
d)	200-4608.00-00000	Spacer	steel	black	21.9 mm	28 mm	4 mm
d)	200-4610.00-00000	Spacer	steel	chrome plated	21.9 mm	30 mm	4 mm
d)	200-4611.01-00000	Spacer	zinc die	chrome plated	21.7 mm	32 mm	6.6 mm
d)	200-4611.02-00000	Spacer	zinc die	black	21.7 mm	32 mm	6.6 mm

Dish

Part Number	Depth
200-3902.00-00000	21 mm



**Advantages**

- **Dust caps** for head Ø28mm - Ø32mm.
- **Material TPU:** Excellent resistance to pure mineral oils and greases.
- **Sealing plugs** for inner diameter Ø16.1mm.

**Materials**

- **Dust cap:** PP or TPU, black
- **Sealing Plug:** NBR+PVC, black

**Remarks**

When using the dust cap a) the H-dimension changes by 1.2mm.  
 When using the dust cap b), the H dimension changes by 2.8mm. (The dust cap is equipped with sealing ribs (t=3.2mm) which are compressed to t=2.8mm with a tightening torque of 15Nm.)  
 The sealing plug c) is only for out-side triangular respectively square insert!



IP 65/67

IP 65

RoHS WEEE



**Advantages**

- For head Ø28mm see product system 1-083, 1-095, 1-100, 1-120, 1-121, 1-210, 7-080 and 7-082.
- For head Ø30/32mm see product system 1-077, 1-081, 1-085, 1-086, 1-092, 1-100, 1-110, 1-120, 1-200, 7-080.01 and 7-084.
- With Logo on request.
- By using a finger pull the H-dimension changes by 2mm.

**Materials**

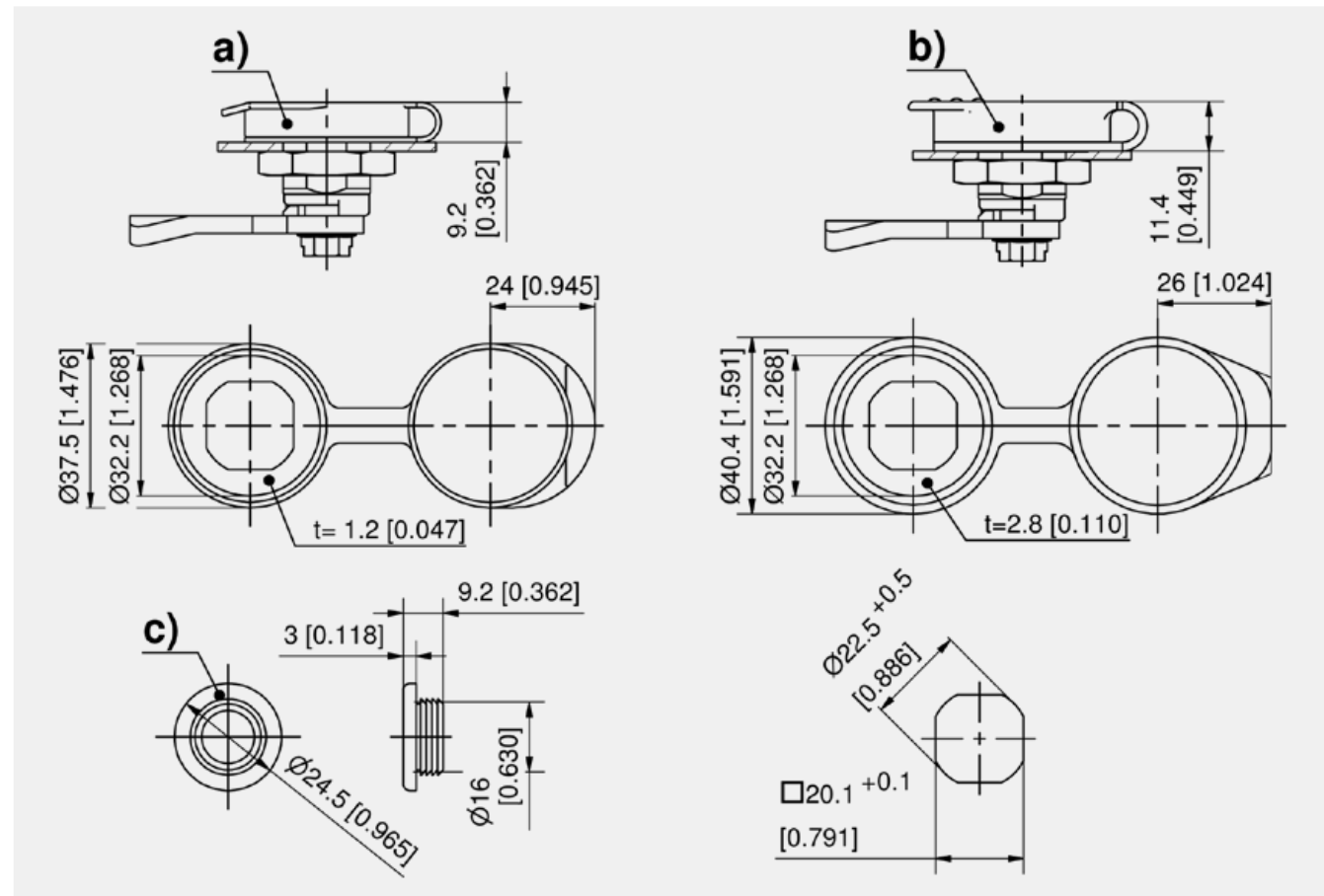
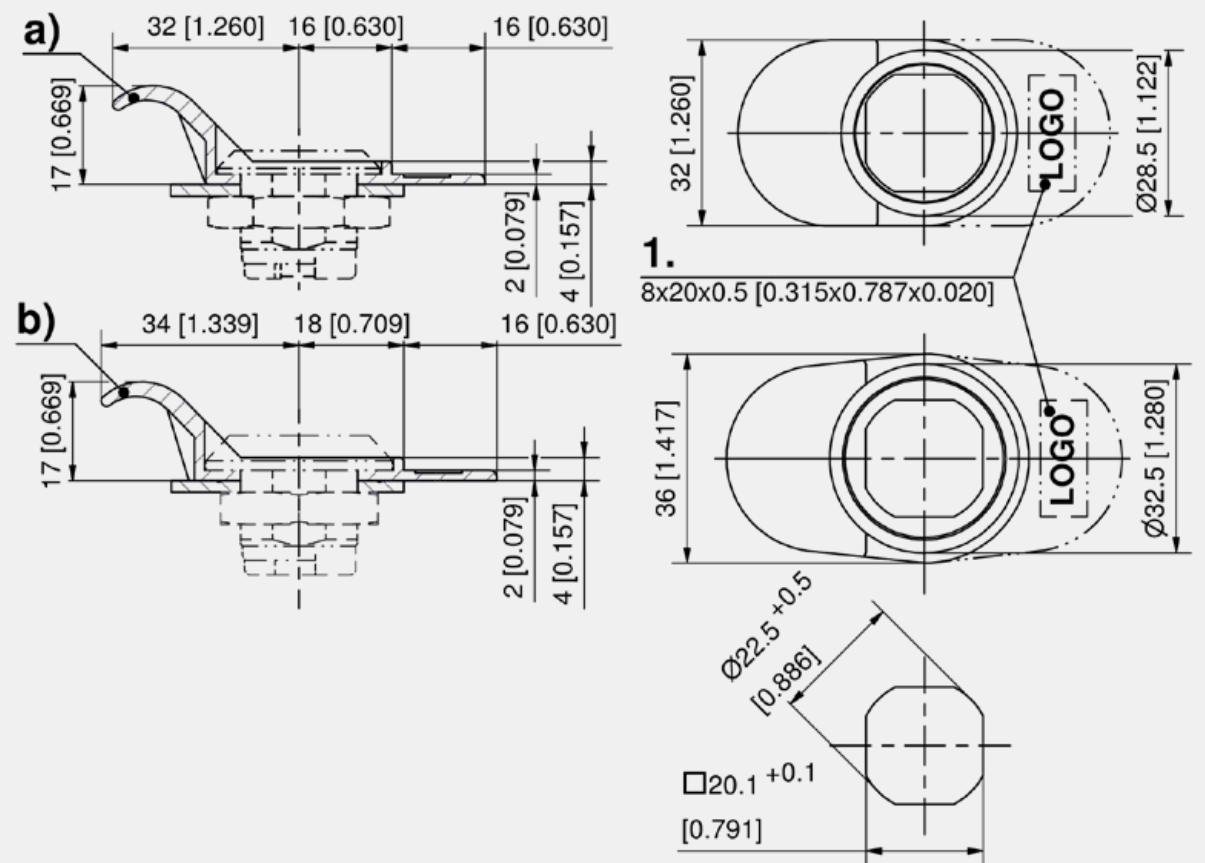
- **Finger Pull:** PA, black

**Remarks**

1. = Area for company name or logo



RoHS WEEE



Accessories Quarter-Turn

	Part Number	Name	According to DIN EN 60529	Material	Temperature range
a)	200-4101.00-00000	Dust cap	IP65	PP	0° to +80°C
b)	200-4103.00-00000	Dust cap	IP65/67	TPU	-40° to +100°C
c)	292-0606.00-00000	Sealing plug	IP65	NBR+PVC	

Accessories Quarter-Turn

	Part Number	Name	Recess for label	Material	Surface
a)	200-4703.03-00000	Finger pull Ø28	No	PA	black
a)	200-4704.03-00000	Finger pull Ø28	Yes	PA	black
b)	200-4705.03-00000	Finger pull Ø32	No	PA	black
b)	200-4706.03-00000	Finger pull Ø32	Yes	PA	black



**Advantages**

- LED module visualises the locking status and regular red flashing indicates open position.
- Stand-alone solution.
- For Quarter-Turns Pr20.1 with flat head Ø32 mm.
- Magnet holder reversible:**
  - for cams L35/45
  - 3-point cam-adapter.
- Cap removable for battery change.
- In combination with IP approved Quarter-Turns the LED module requires an additional flat seal.
- Grounding only when using Quarter-Turn with grounding clip.

**Materials**

- Flash disc:** PMMA
- Module housing:** PA
- Magnet holder:** zinc die, untreated

**Remarks**

Battery CR2032 3V **not** included in the scope of delivery.

**Attention:** Installation of the LED module leads to a max. door thickness for housing 18mm of 3.5mm. Depending on the position of the flash disc the notch in the cutout needs to be adapted.

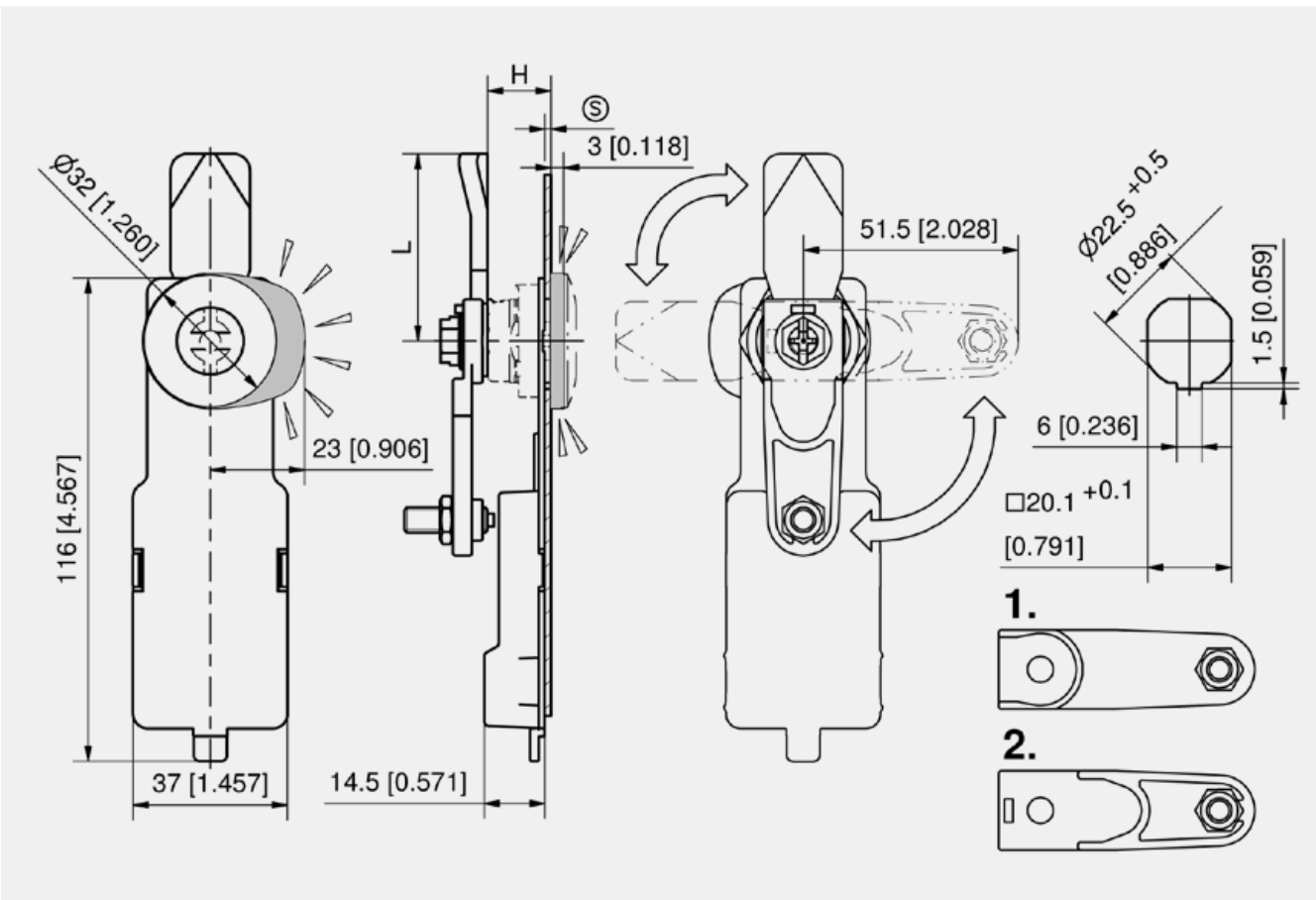


**Advantages**

- Concealed Cam Catch.
- RH / LH application.
- Tool-less clip-in assembly into a 30 x 10mm cutout in the frame.
- Available in 2 different heights, 10mm and 16mm.
- IP65 according to DIN EN 60529 by using O-ring 839-3770.00-02022.

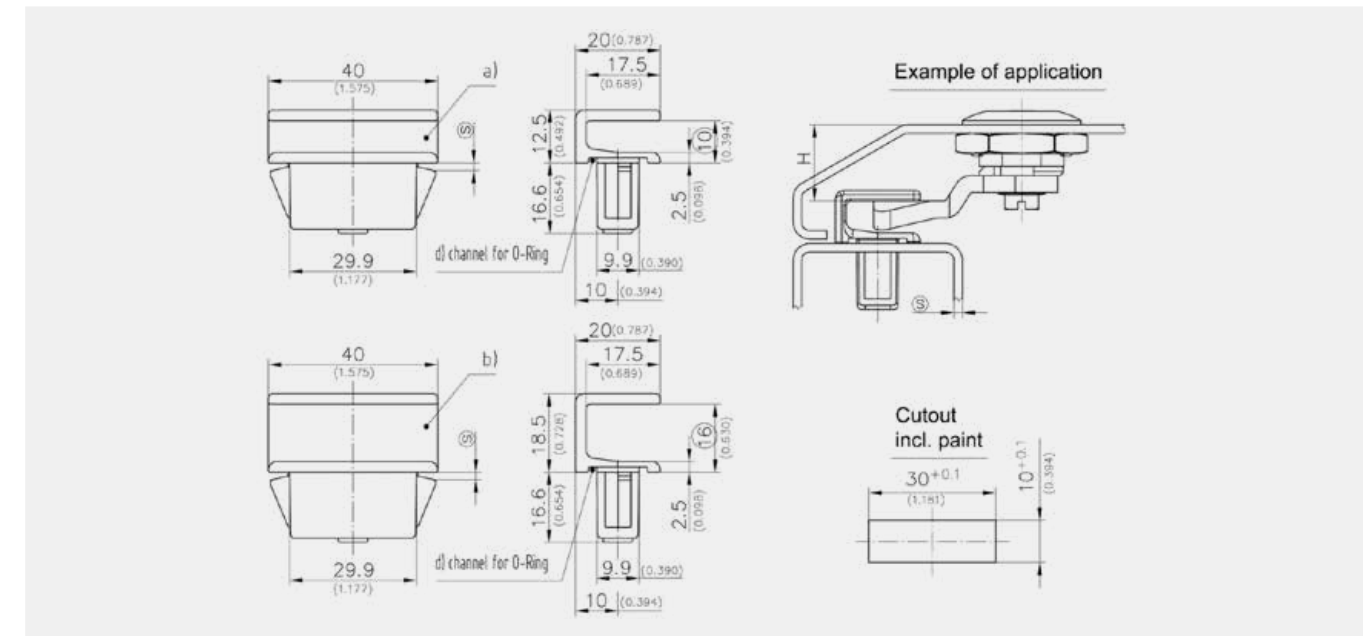
**Materials**

- Cam catch:** zinc die, black
- Snap wedges:** sintered steel



LED Module

Part Number	Name	Version
100-9901.00-00000	LED Module	red flashing



Cam Catch, 10mm

	Part Number	Clamping range	Material	Surface	Packaging unit
a)	408-9106.33-00010	0.7 - 1.2 mm	zinc die	black	10 pcs.
a)	408-9106.33-00015	1.2 - 1.7 mm	zinc die	black	10 pcs.
a)	408-9106.33-00020	1.7 - 2.2 mm	zinc die	black	10 pcs.
a)	408-9106.33-00025	2.2 - 2.7 mm	zinc die	black	10 pcs.
a)	408-9106.33-00030	2.7 - 3.2 mm	zinc die	black	10 pcs.

Cam Catch, 16mm

	Part Number	Clamping range	Material	Surface	Packaging unit
b)	408-9107.33-00010	0.7 - 1.2 mm	zinc die	black	10 pcs.
b)	408-9107.33-00015	1.2 - 1.7 mm	zinc die	black	10 pcs.
b)	408-9107.33-00020	1.7 - 2.2 mm	zinc die	black	10 pcs.
b)	408-9107.33-00025	2.2 - 2.7 mm	zinc die	black	10 pcs.
b)	408-9107.33-00030	2.7 - 3.2 mm	zinc die	black	10 pcs.

Accessories	
c)	292-0401.00-03010 Cutout-cover
d)	839-3770.00-02022 O-ring 20 x 2.2mm



**Advantages**

- This catch is suitable for all M10 square threaded rods.
- Tool-less adjustment for standard cams 1-102.
- Variable and easy adjustment with stop washer.
- Adjustment track per click 0.25mm.
- Vibration-proof.
- Readjustment possible at any time (e.g. compressed sealing).
- For cams with and without stop.

**Materials**

- **Catch:** PA, black
- **Stop washer:** zinc die, zinc plated

**Remarks**

- 1. = Recess for cams with stop
- 2. = Detent (6x)
- 3. = Cam



**Advantages**

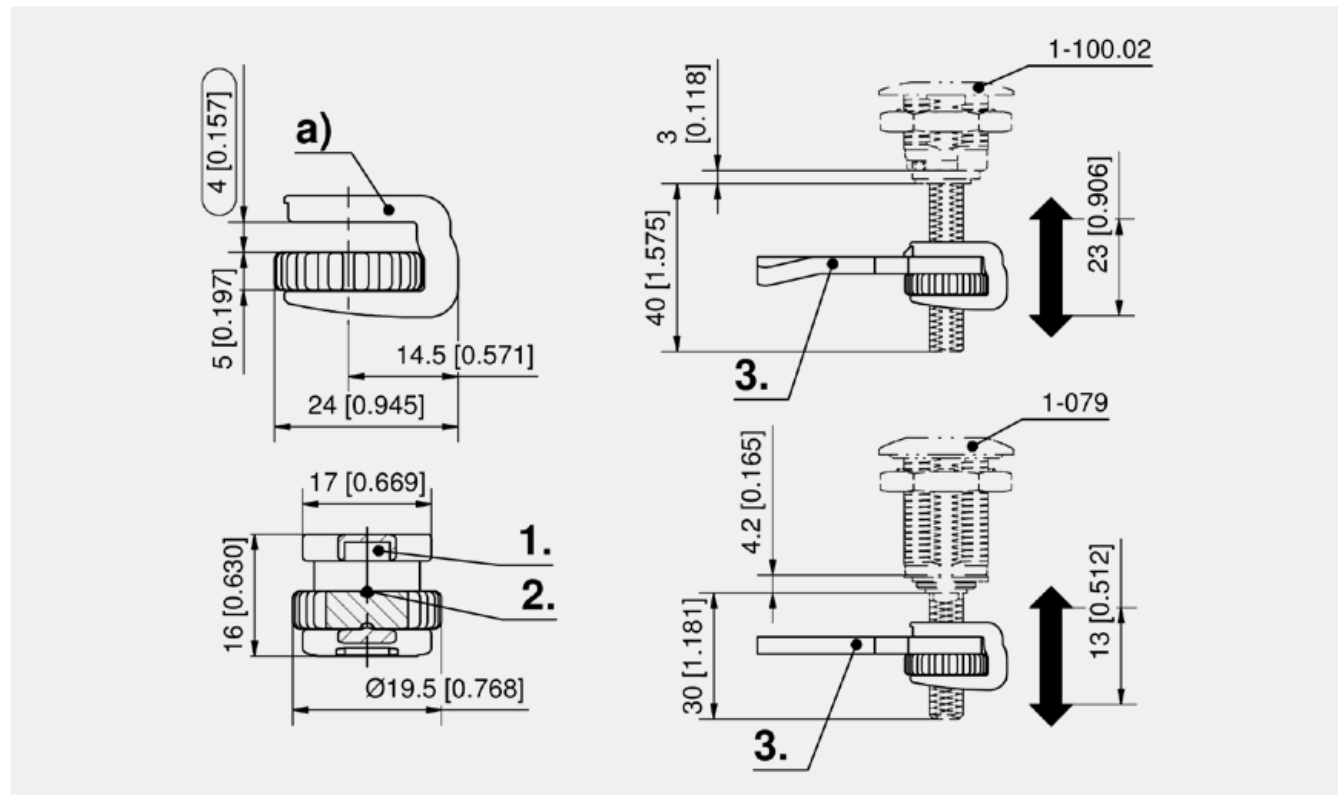
- This Catch is suitable for M10 square threaded rods.
- For tool-less adjustment of standard cams.
- Variable and easy adjustment with stop washer.
- Adjustment track per click 0.25 mm.
- Vibration-proof according to DIN EN 61373.
- Readjustment possible at any time (e.g. compressed sealing).
- For cams with and without stop.

**Materials**

- **Catch:** PA, black
- **Stop Washer:** stainless steel

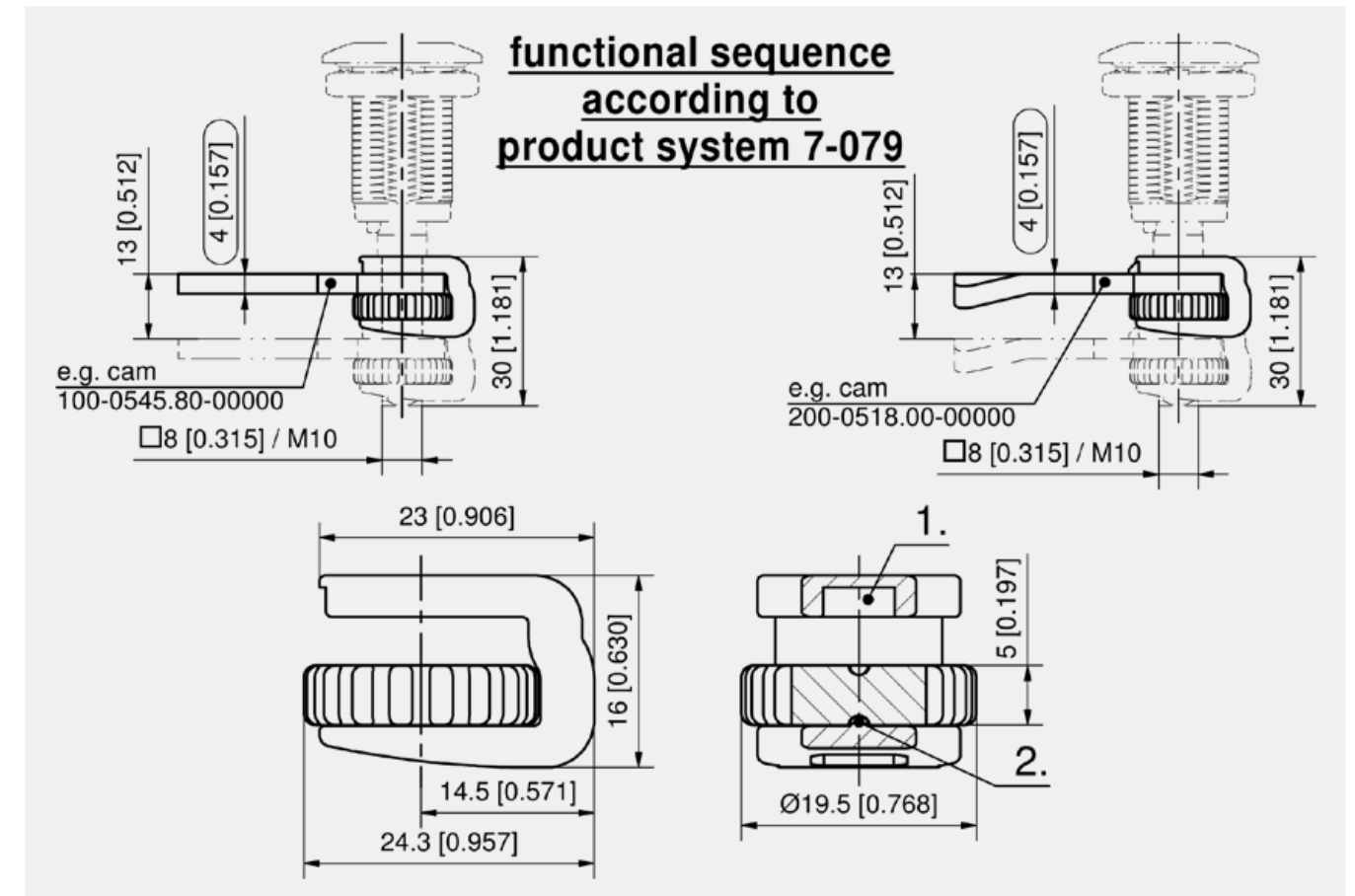
**Remarks**

- 1. = Recess for cams with stop
- 2. = Detent (6x)



Accessories Cams

Part Number	Version	Surface
a) 248-9901.00-00000	stop washer M10	zinc plated



Accessories Cams

Part Number	Version
248-9902.00-00000	stop washer M10, stainless steel

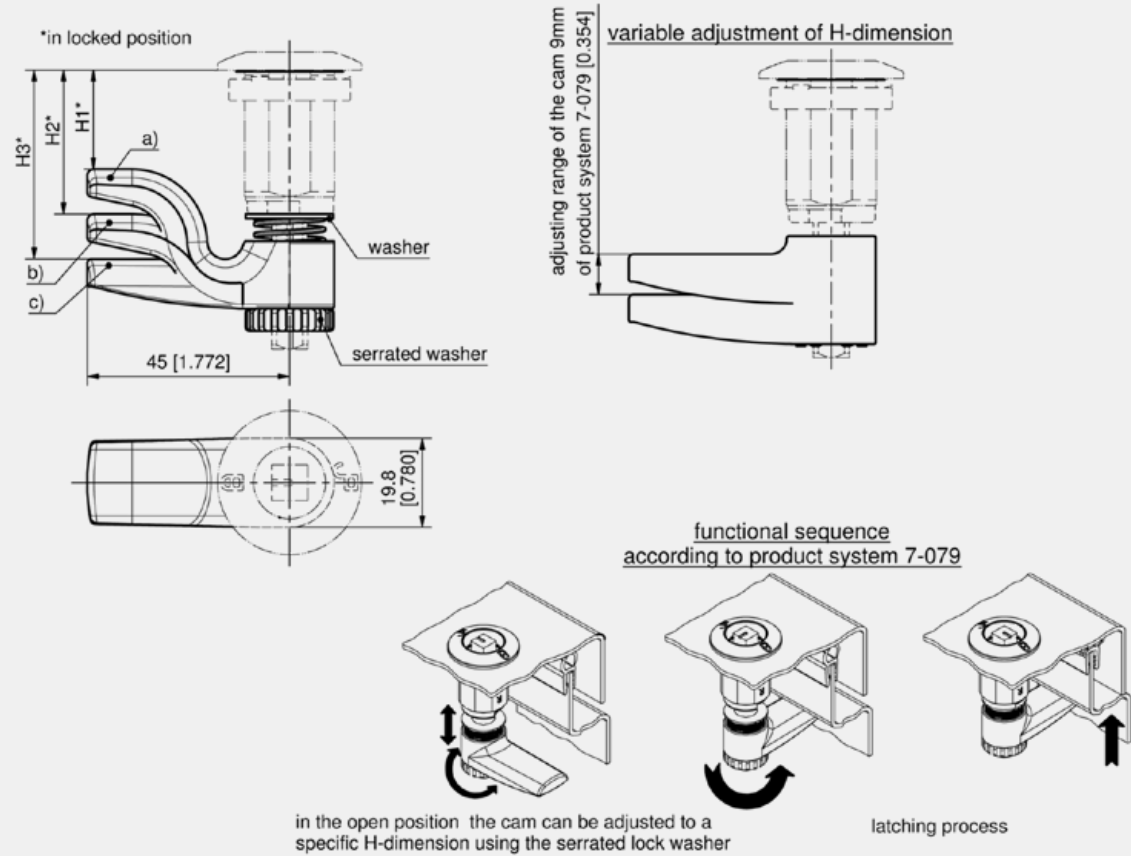


**Advantages**

- Height adjustable cam for all Quarter-Turns and compression Quarter-Turns with long shaft that allow for adjustable cam.
- Vibration-proof according to DIN EN 61373.
- Tool-less adjustment.
- Variable adjustments can easily be made on different size seals, using serrated washer.
- Adjusting range of 9 mm [0.354].
- Can be readjusted at any time (compressed sealing).
- Clamping range of 30 mm [1.181] can be achieved with only 3 cams.
- Each detent achieves 0.25 mm [0.010] adjustment.

**Materials**

- **Cam and serrated washer:** stainless steel AISI 316, untreated
- **Washer:** stainless steel AISI 304, untreated
- **Compression spring:** stainless steel AISI 301, untreated



Height adjustable cam

	Part Number	H-dimension straight variable	H-dimension negative variable	Length	Material
a)	100-9079.00-00001		20 - 29 mm	45 mm	Stainless Steel
b)	100-9079.00-00002		30 - 39 mm	45 mm	Stainless Steel
c)	100-9079.00-00000	40 - 49 mm		45 mm	Stainless Steel



Height-adjustable Rod Guide with Knurled Nut  
See page 191



3-Point Cam Adapter adjustable  
See page 183



Catch for Standard Cams Pr20.1  
See page 179

**Advantages**

- 3-point cam adapter for cams of product system 1-102.
- With and without 90° stop.
- The raised rod stub is necessary for swinghandles, enabling the lower rod passing over the lower cap.
- 4-point cam adapter: with additional linkage.
- For those applications, where beyond the standard control of 2 locking-rods, an additional rod can be used. E.g. controlling a switch or defeater-mechanism.

**Materials**

- 3-point cam adapter and 4-point cam adapter:** zinc die, zinc plated

**Remarks**

- incl. 2 c-clips
- Note:** H-dimension of cam (C) increases by 4mm / 0.157. E.g. cam 200-0418 results in an H-dimension of 22mm / 0.866.
- Please pay attention to the screw length: screw should enter at least 6mm / 0.236.
- 1. with stop
- 2. without stop



**Advantages**

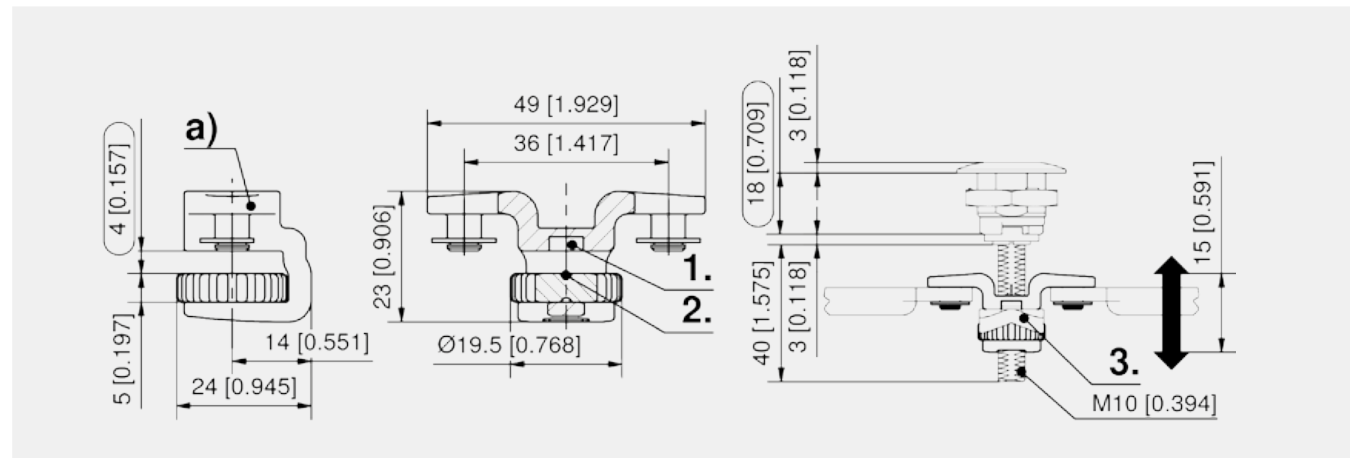
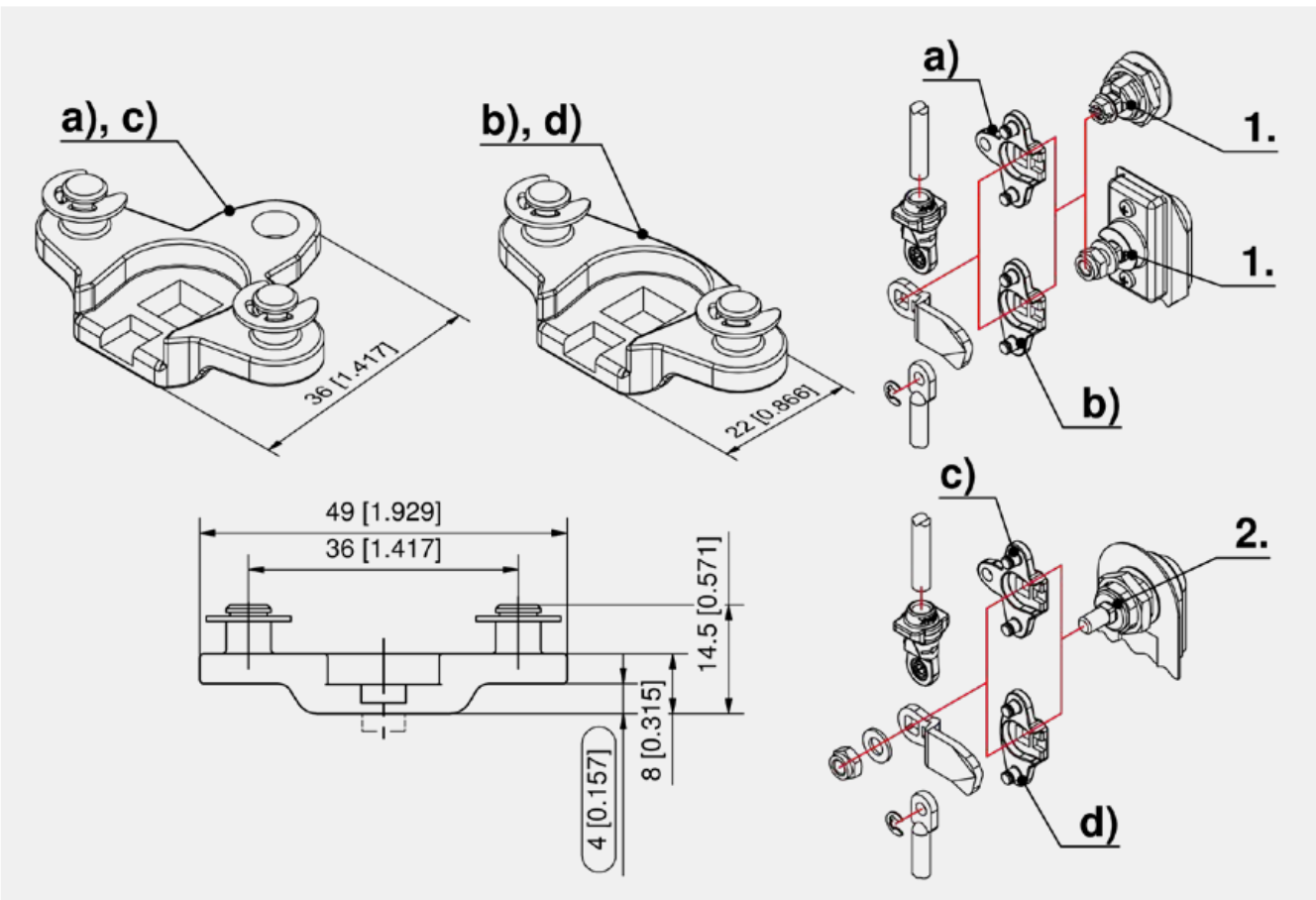
- 3-point cam adapter adjustable by knurled wheel.
- Tool-less adjustment with knurled wheel.
- RH/ LH application.
- Axial adjustable.
- Usable with standard cams.
- Readjustable at any time.
- 3-point locking system.
- Knurled wheel with thread M10.

**Materials**

- 3-point cam adapter:** zinc die, zinc plated

**Remarks**

- Incl. 2 c-clips
- 1. = Recess for cams with stop
- 2. = Detent
- 3. = Cam



Adapter for 3- or 4-point Cam

Part Number	3-point cam	Material	Surface
200-9632.00-00000	Yes	zinc die	zinc plated

Adapter for 3- or 4-point Cam

	Part Number	Stop	2-point cam	3-point cam	4-point cam	Material	Surface
a)	200-9595.00-00000	Yes	Yes	Yes	Yes	zinc die	zinc plated
b)	200-9596.00-00000	Yes	Yes	Yes	No	zinc die	zinc plated
c)	207-9595.00-00000	No	Yes	Yes	Yes	zinc die	zinc plated
d)	207-9596.00-00000	No	Yes	Yes	No	zinc die	zinc plated

**Advantages**

- 3-point cam adapter for cams of product system 1-102.
- The adapter is attached to the back of the cam does not affect the H-dimension.

**Materials**

■ **3-point cam adapter:** zinc die, zinc plated

**Remarks**

incl. 2 c-clips



**3- and 4-point cam adapter alternative to 2- or 3-point cam, see product system 7-105**

**Advantages**

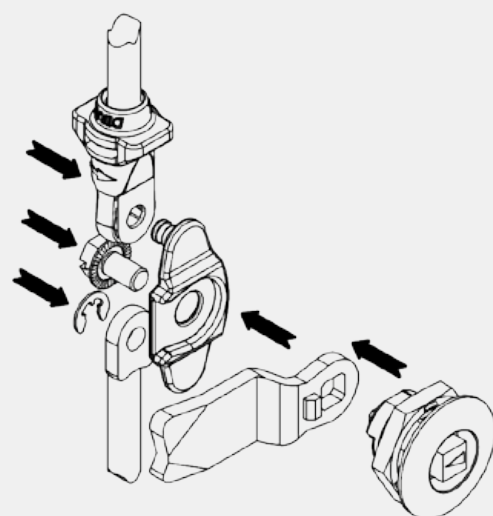
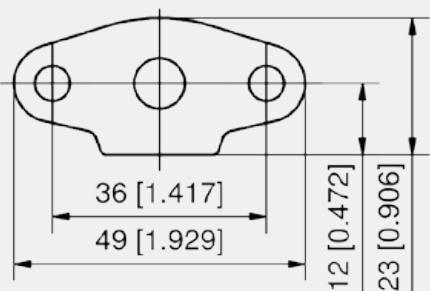
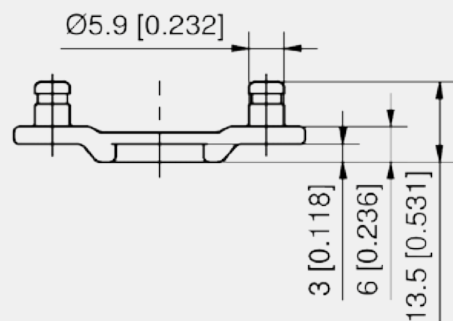
- For use in combination with standard cams see product system 1-102 and 7-080, used for 3- and 4-point latching applications.
- For 4-point application use additional link.
- For those applications, where beyond the standard control of 2 locking-rods, an additional rod can be used (e.g. controlling a switch or defeatermechanism).
- The adapter is attached to the back of the cam and does not affect the H-dimension!

**Materials**

■ **Multipoint cam adapter:** stainless steel AISI 304

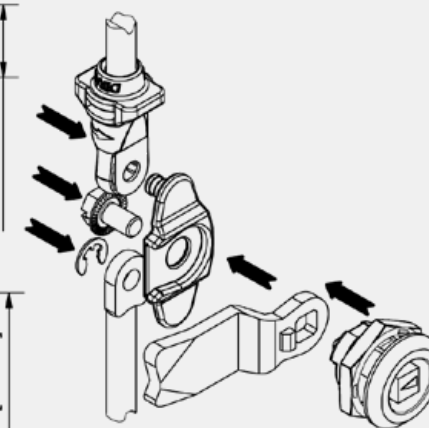
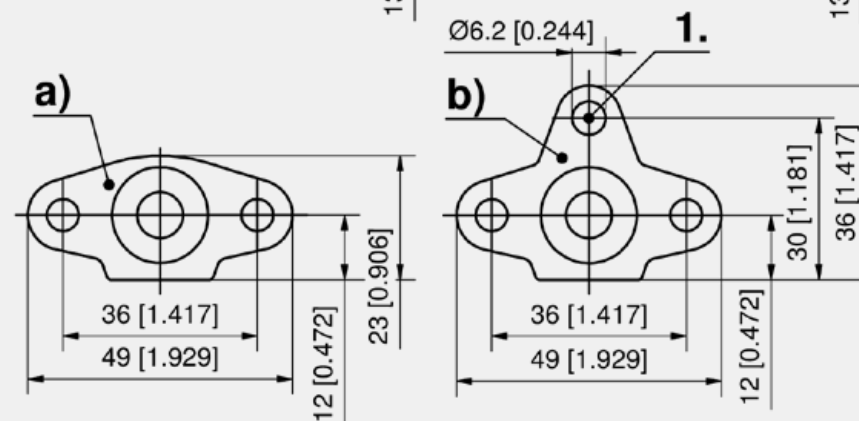
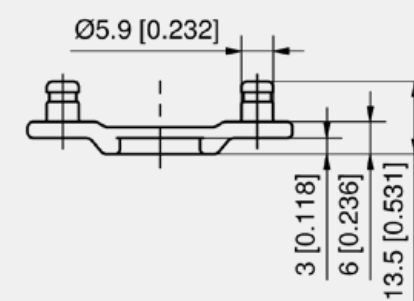
**Remarks**

1. = Loop



3-Point Cam Adapter

Part Number	3-point cam	Material	Surface
207-9589.00-00000	Yes	zinc die	zinc plated



Adapter for 3- or 4-point Cam

	Part Number	Material	3-point cam	4-point cam
a)	207-9590.00-00000	Stainless Steel	Yes	No
b)	207-9592.00-00000	Stainless Steel	Yes	Yes





RoHS  
WEEE

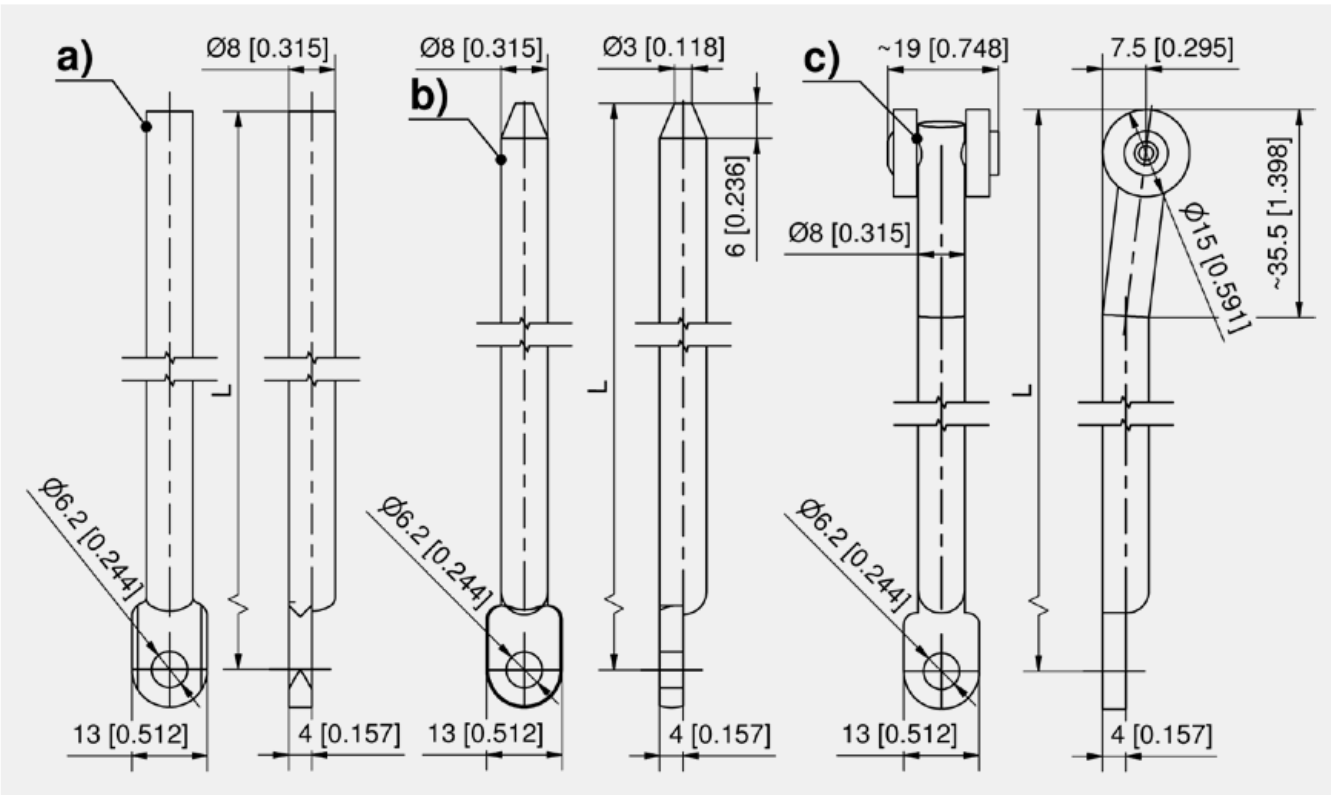


**Advantages**

- Round rods in standard length and variable lengths with pressed eye.
- With a flat end.
- With chamfered end.
- With rollers, dimension L up to top of roller.
- Round rods in standard length: from stock.
- Round rods in variable lengths: minimum order quantity 200 pieces.

**Materials**

- Round rods:** steel, zinc plated



Round Rods

	Part Number	Version	Length	Rod diameter Ø
a)	201-0102.00-00000	with eye	400 mm	8 mm
a)	201-0103.00-00000	with eye	500 mm	8 mm
a)	201-0104.00-00000	with eye	600 mm	8 mm
a)	201-0105.00-00000	with eye	700 mm	8 mm
a)	201-0106.00-00000	with eye	800 mm	8 mm
a)	201-0107.00-00000	with eye	900 mm	8 mm
a)	201-0108.00-00000	with eye	1000 mm	8 mm
a)	201-0109.00-00000	with eye	1100 mm	8 mm
a)	201-0110.00-00000	with eye	1200 mm	8 mm
a)	201-0112.00-Lxxmm	with eye	variable	8 mm
b)	201-0111.00-Lxxmm	with eye and chamfered end	variable	8 mm
c)	201-9006.00-Lxxmm	with eye and rollers	variable	8 mm



RoHS  
WEEE

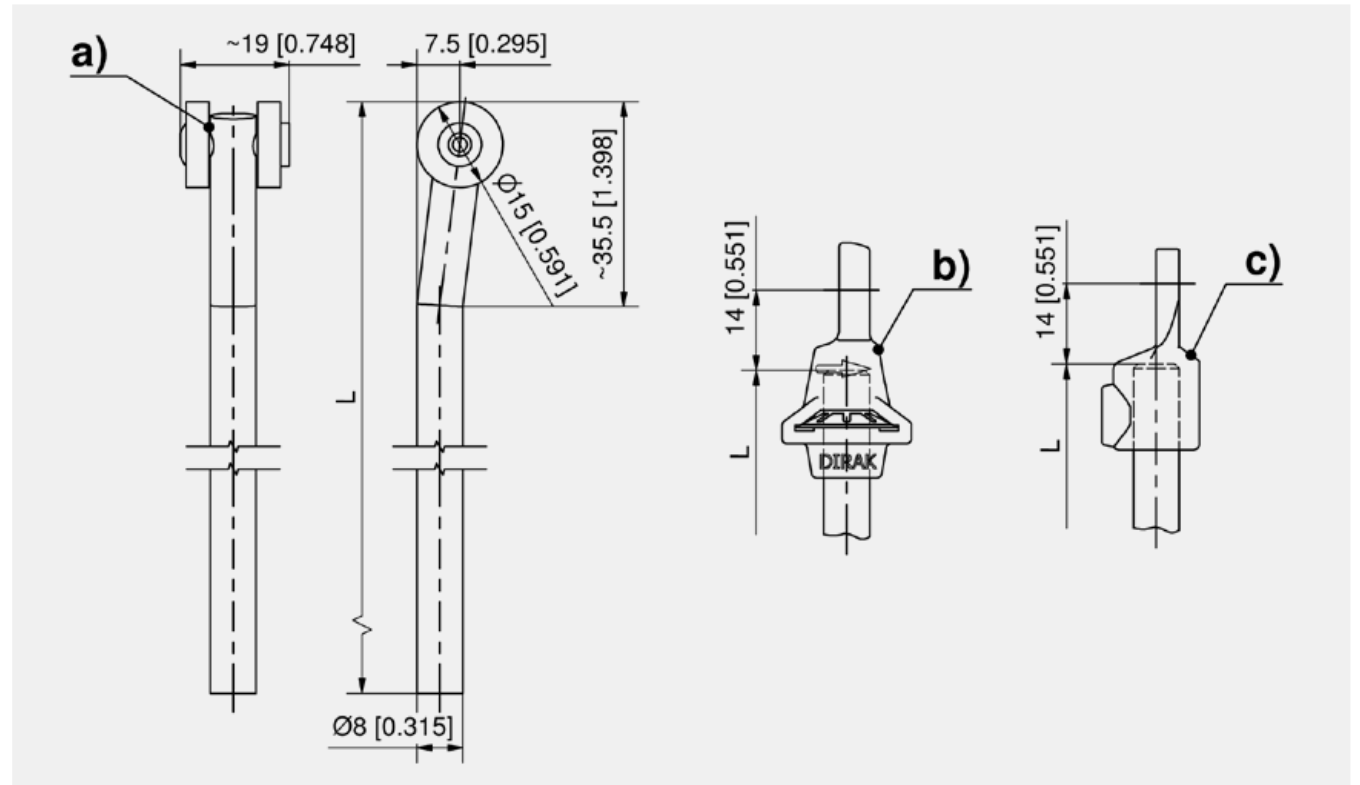


**Advantages**

- Round rods in standard length and variable lengths for adapter.
- With rollers, dimension L up to top of roller.
- Round rods in standard length: from stock.
- Round rods in variable lengths: minimum order quantity 200 pieces.

**Materials**

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



Round Rods for adapter

	Part Number	Version	Length	Rod diameter Ø
a)	201-9001.00-00000	with rollers	400 mm	8 mm
a)	201-9020.00-00500	with rollers	500 mm	8 mm
a)	201-9002.00-00000	with rollers	600 mm	8 mm
a)	201-9020.00-00700	with rollers	700 mm	8 mm
a)	201-9003.00-00000	with rollers	800 mm	8 mm
a)	201-9020.00-00900	with rollers	900 mm	8 mm
a)	201-9004.00-00000	with rollers	1000 mm	8 mm
a)	201-9020.00-01100	with rollers	1100 mm	8 mm
a)	201-9005.00-00000	with rollers	1200 mm	8 mm
a)	201-9020.00-Lxxmm	with rollers	variable	8 mm

Accessories	
c)	1-181.01 Adapter zinc die for Round Rods
b)	1-181 Adapter PA for Round Rods

**Advantages**

- Quick, tool-less installation, of the adapter on round rods (Ø8mm/0.315) through integrated one-way clamping ring.
- With clip-in installation for 3-point cam, rattle-free fastening.
- The clamping fingers spring into the stud groove.
- The adapter is non-detachable.
- This adapter should be used only with Quarter-Turns or swinghandles that turn a maximum of 90 degrees.

**Materials**

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

**Remarks**

- 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.
  4. No complex or time-consuming installation.



RoHS WEEE



**Advantages**

- Adapter for 2-point and 3-point cams.
- For assembly of round rods (Ø8mm and Ø10mm).
- The round rod is tightened in the adapter.
- The adapter is fixed with a c-clip to the 2-point or 3-point cam.

**Materials**

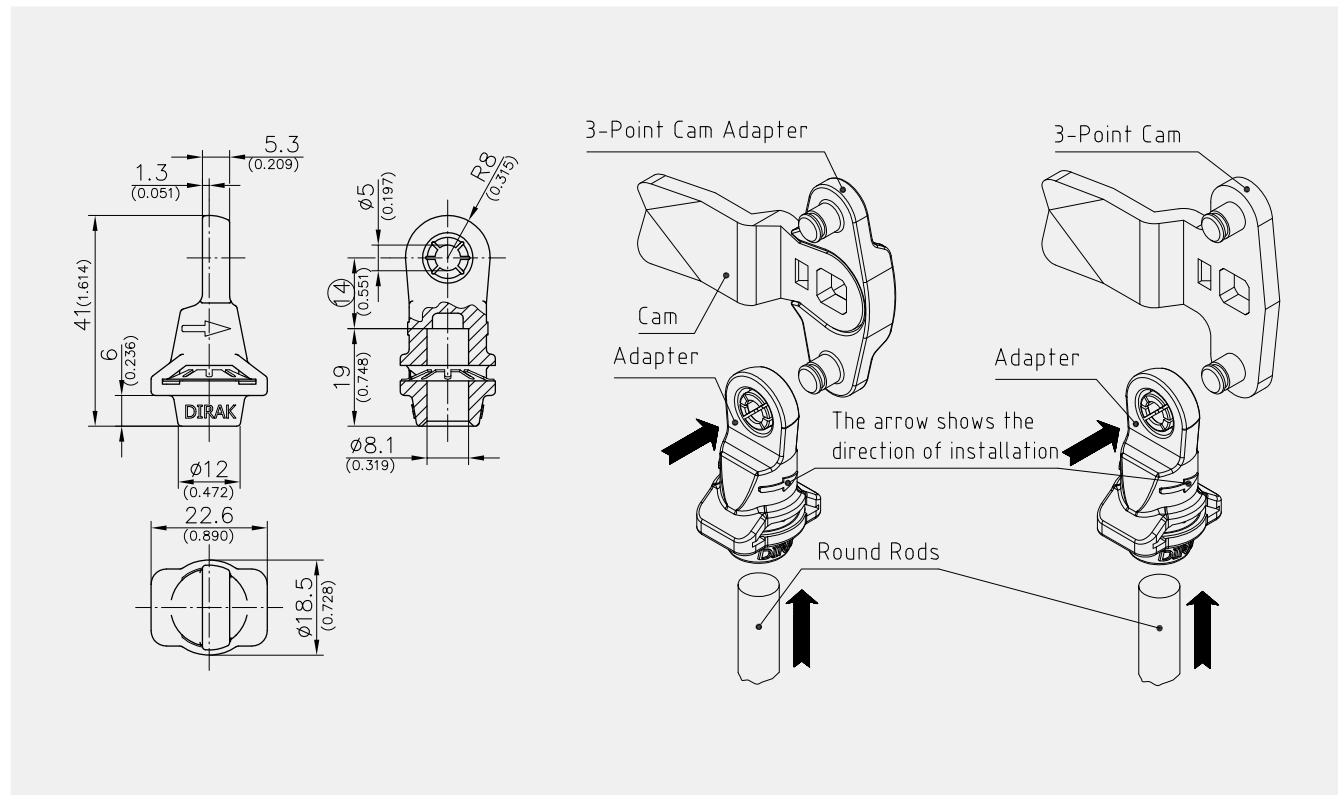
- **Adapter:** zinc die
- **Setscrew:** stainless steel

**Remarks**

- Advantages:
1. Standard length round rods can be ordered without the eye.
  2. Round rods can be shortened on request.
- (Caution: Please note the 14mm(0.551) difference in length).**

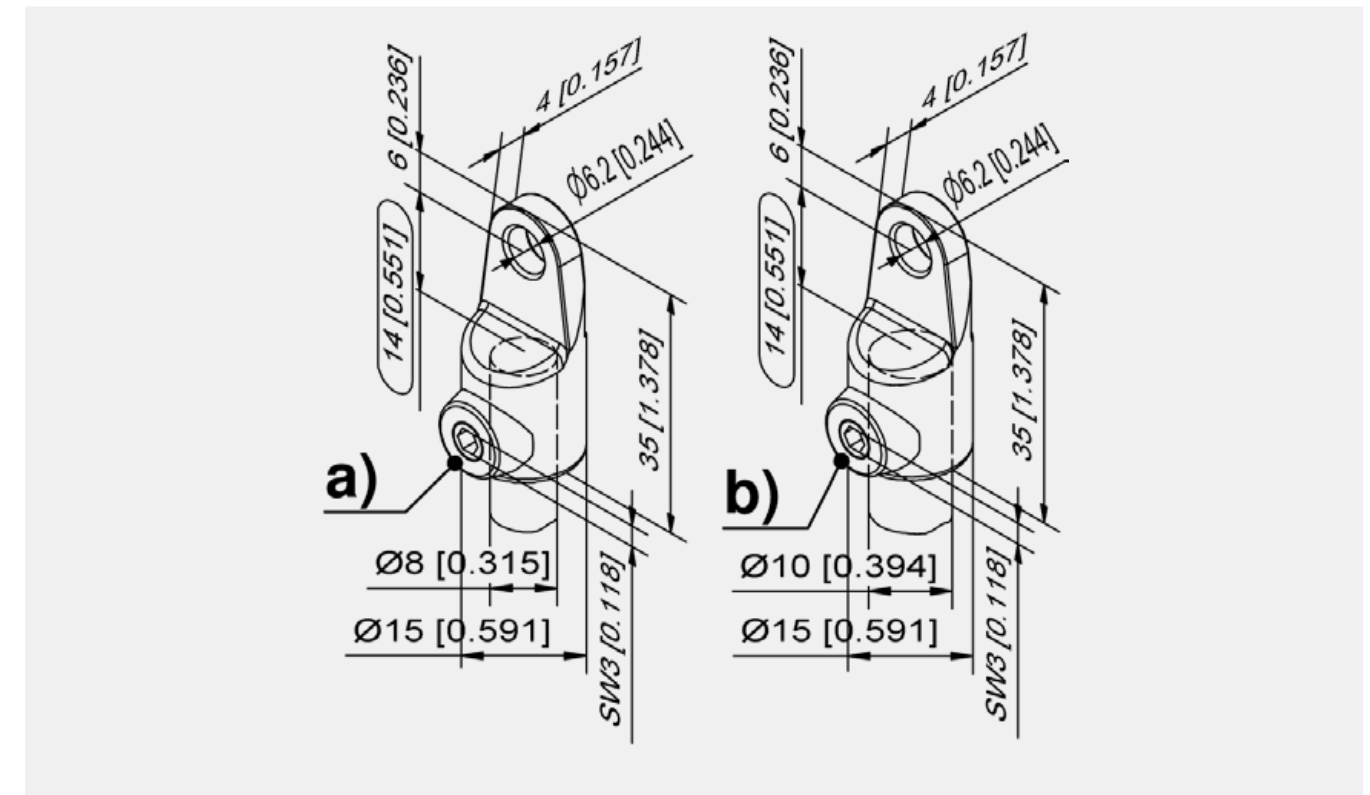


RoHS WEEE



Adapter for Round Rods

Part Number	Fastening type	Quick-fit	Rod diameter Ø
200-9621.00-00000	tool-less	Yes	8 mm



Adapter for Round Rods

	Part Number	Rod diameter Ø	Material	Fastening type
a)	200-9601.00-00000	8 mm	zinc die	screw-on
b)	200-9604.00-00000	10 mm	zinc die	screw-on

**Advantages**

- Round rods with standard or customised lengths, different versions.
- Minimum order quantity: 200 pieces.
- Calculation of Rod, see [www.dirak.com](http://www.dirak.com).
- Attention:**
- Dimension L measured to top of roller!
- Order example for round rods with eye and rollers, length L=840mm: 201-9026.00-00840

**Materials**

- Round rods and rivet:** stainless steel AISI 304
- Rollers:** PA, black
- Adapter:** stainless steel AISI 303



**Advantages**

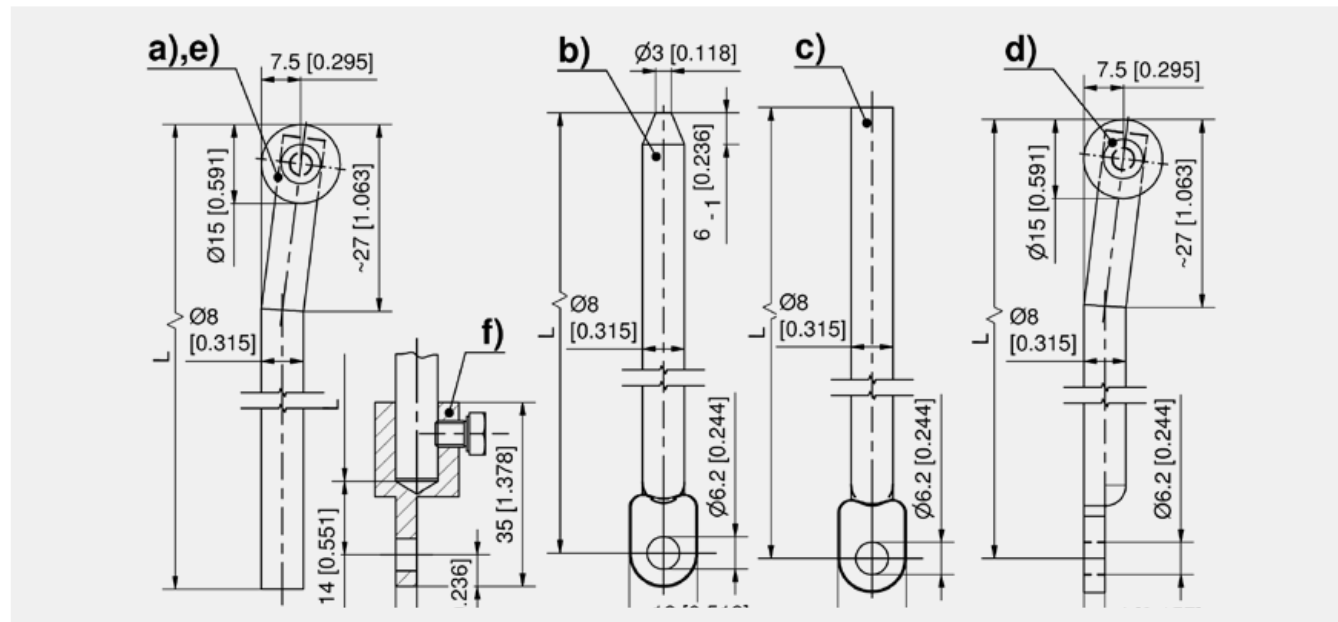
- Rod guide is pushed onto the knurled nut and can be installed therefore pre-assembled.
- Tool-less adjustment with knurled nut.
- Readjustment possible at any time.
- Dismantling of the rod for height adjustment not necessary.
- Usable for studs M6 from 14 to 21mm.
- Adjustment range up to max. 8mm.
- RH / LH application.

**Materials**

- Rod guide and knurled nut:** PA, black

**Remarks**

- = Rod guide
- = Knurled nut
- = Stud
- = Round rod



Round Rods

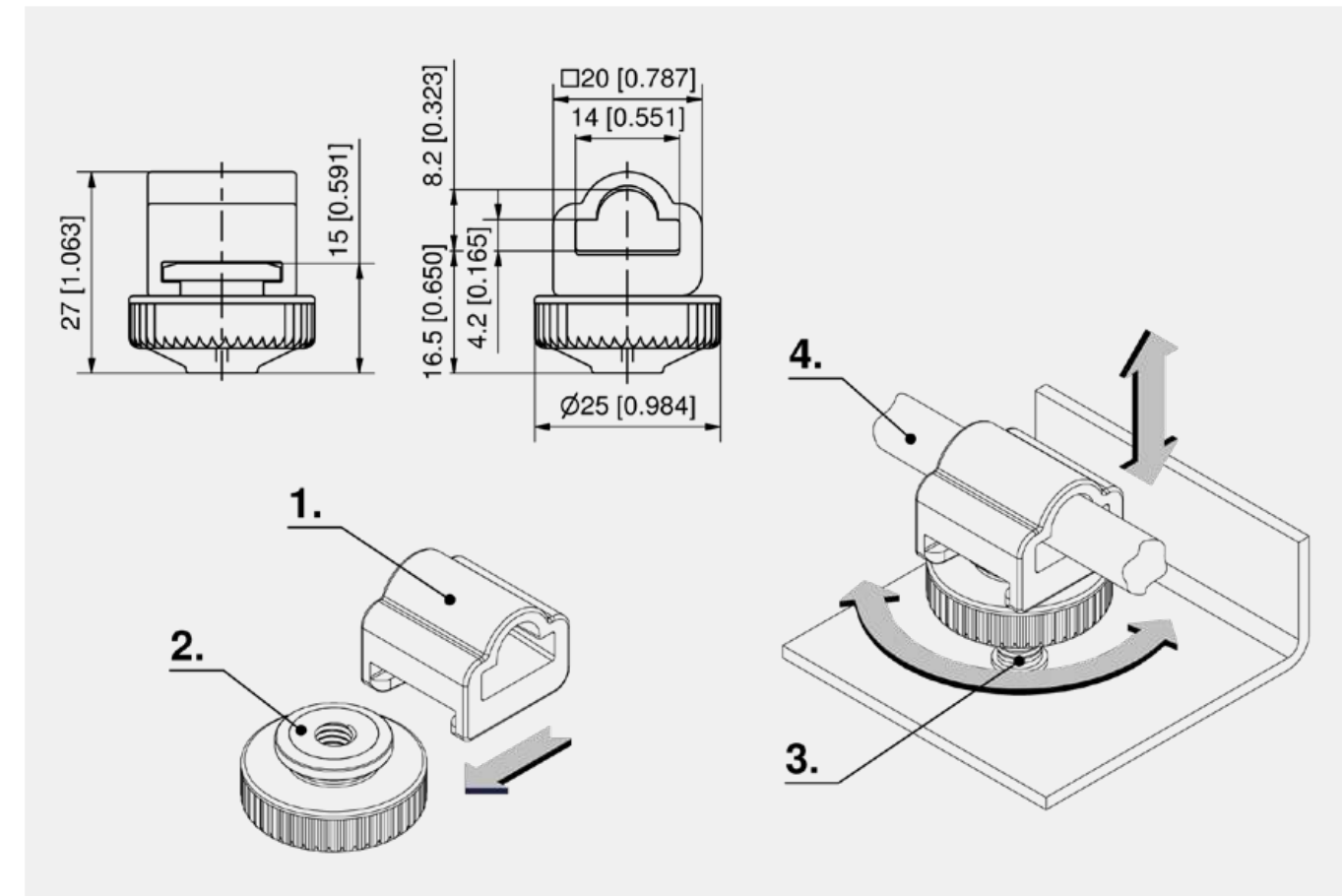
	Part Number	Name	Version	Rod diameter Ø
a)	201-9010.00-00000	Round rod 600mm	with rollers	8 mm
a)	201-9011.00-00000	Round rod 700mm	with rollers	8 mm
a)	201-9012.00-00000	Round rod 800mm	with rollers	8 mm
a)	201-9013.00-00000	Round rod 900mm	with rollers	8 mm
a)	201-9014.00-00000	Round rod 1000mm	with rollers	8 mm
a)	201-9015.00-00000	Round rod 1100mm	with rollers	8 mm
a)	201-9016.00-00000	Round rod 1200mm	with rollers	8 mm

Round rods, variable length

	Part Number	Version	Rod diameter Ø
b)	201-0111.04-Lxxmm	with eye and chamfered end	8 mm
c)	201-0112.04-Lxxmm	with eye	8 mm
e)	201-9037.00-Lxxmm	with rollers	8 mm
d)	201-9026.00-Lxxmm	with eye and rollers	8 mm

Adapter for Round Rods

	Part Number	Rod diameter Ø	Material	Fastening type
f)	200-9603.00-00000	8 mm	Stainless Steel	screw-on



Rod guide

Part Number	Height adjustable	Adjustment range	Packaging unit
200-9633.00-00000	Yes	max. 8 mm	10 pcs.



**Advantages**

- Rod guide with adjustable height for 8 mm round rods, to compensate production tolerances, or if sealing has set.
- Slotted insert (max. 12 x 2 mm).
- With this rod guide even completely pre-assembled rod latch systems can be installed, because the rod guide can be screwed onto the thread of the weld studs M6 by turning the threaded sleeve.
- The round shape of the hole allows free swivelling even with very short rods.
- PA version see product-system 1-192.

**Materials**

- **Rod guide:** stainless steel AISI 316
- **Adjusting screw:** stainless steel AISI 303
- **C-clip and wave washer:** stainless steel

**Remarks**

**Adjustment depending on the length of the weld stud:**

- M6 x 14 +5/-1 mm,
- M6 x 16 +5/-3 mm,
- M6 x 18 +5/-5 mm,
- M6 x 20 +5/-7 mm



**Advantages**

- Rod guides for 8mm round rods.
- Version a) adjustable in height to compensate production tolerances or if sealing has set.
- The rod guide can be adjusted in height by a slotted insert (max. 12 x 2 mm).
- With this rod guide even completely pre-assembled rod-latch systems can be installed, because the rod guide can be screwed onto the thread of the weld studs M6, by turning the threaded sleeve.
- The round shape of the hole allows free swivelling even with very short rods.
- Stainless steel version see product system 7-912.

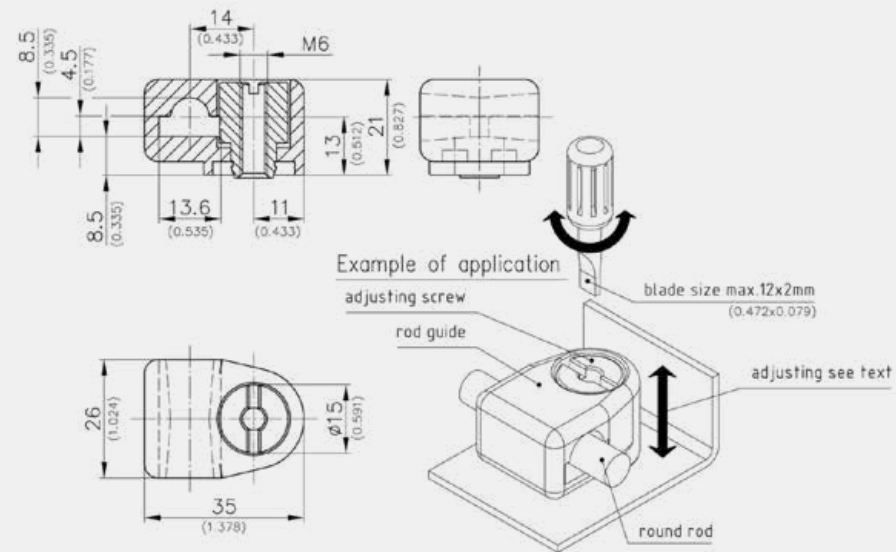
**Materials**

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

**Remarks**

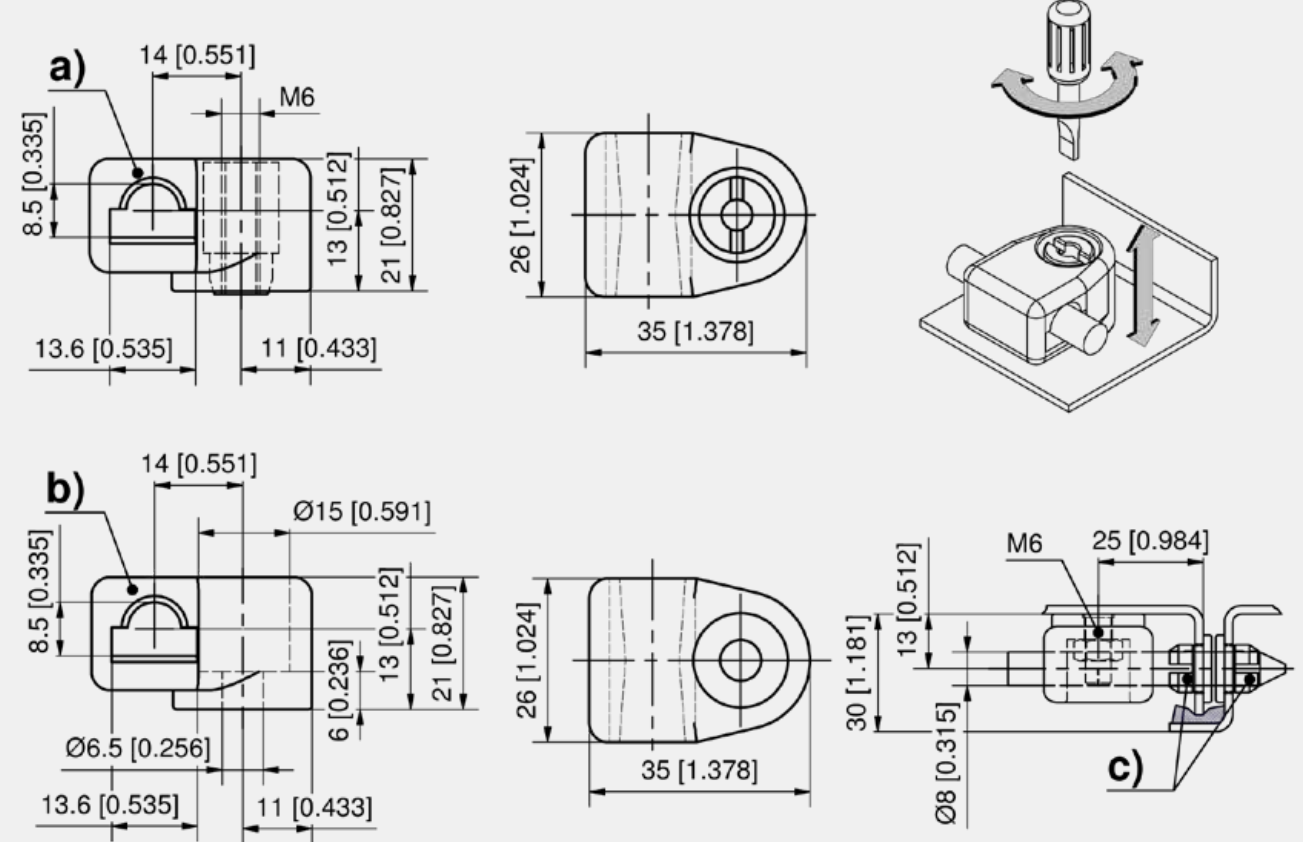
**Adjustment depending on the length of the weld stud:**

- M6 x 14 +5/-1mm,
- M6 x 16 +5/-3mm,
- M6 x 18 +5/-5mm,
- M6 x 20 +5/-7mm



Rod guide

Part Number	Version	Fastening type	Height adjustable	Material	Adjustment range
200-9623.00-00000	RS	screwed on	Yes	Stainless Steel	max. + 5 mm



Rod guide

	Part Number	Height adjustable	Adjustment range	Version	Fastening type	Material
a)	200-9615.00-00000	Yes	max. + 5 mm	RS	screwed on	PA
b)	200-3606.03-00000			RS	screwed on	PA

Accessories	
c)	203-0605.03-00000 Bushings

**Advantages**

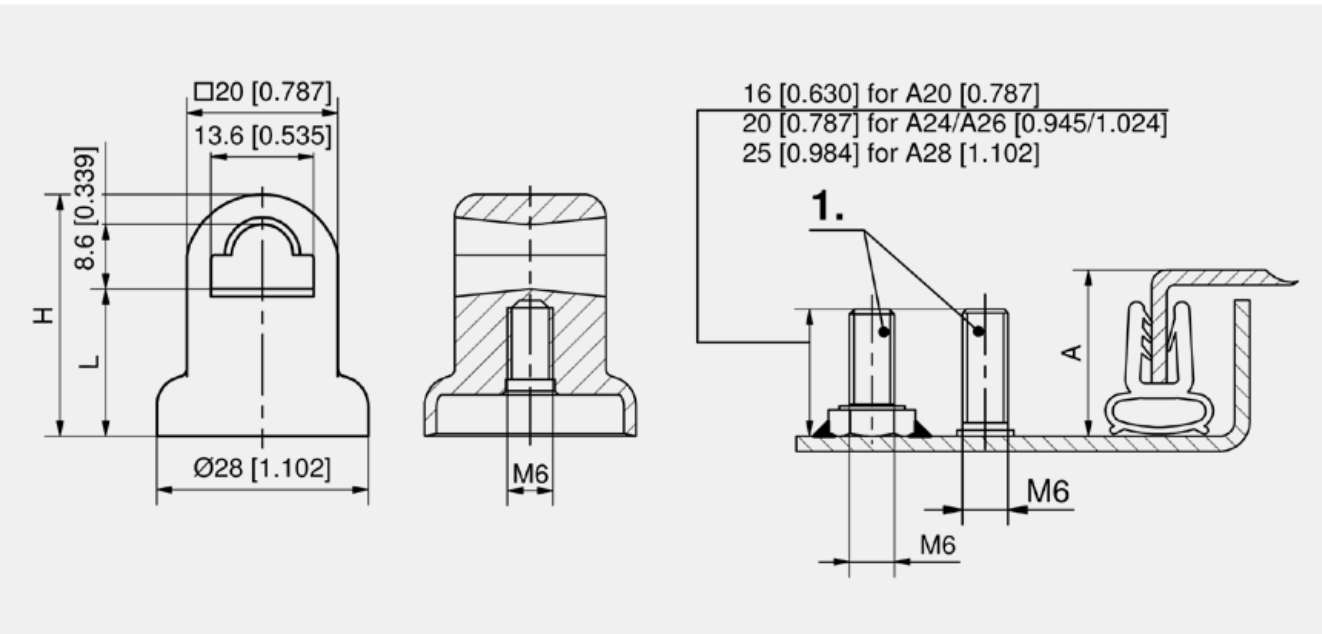
- With molded thread.
- Screwed onto a weld stud or weld-on screw.
- The round shape of the hole allows free swivelling even with very short rods.

**Materials**

■ **Rod guide:** PA, black

**Remarks**

1. = Length of the weld studs or screws M6:  
 16mm for A20,  
 20mm for A24/A26,  
 25mm for A28



Rod guide

Part Number	Version	Height H	Length L	A = bending	Fastening type
200-3623.51-00000	Round rod	32 mm	20 mm	A20	screwed on
200-3624.51-00000	Round rod	36 mm	24 mm	A24	screwed on
200-3625.51-00000	Round rod	38 mm	26 mm	A26	screwed on
200-3626.51-00000	Round rod	40 mm	28 mm	A28	screwed on

**Advantages**

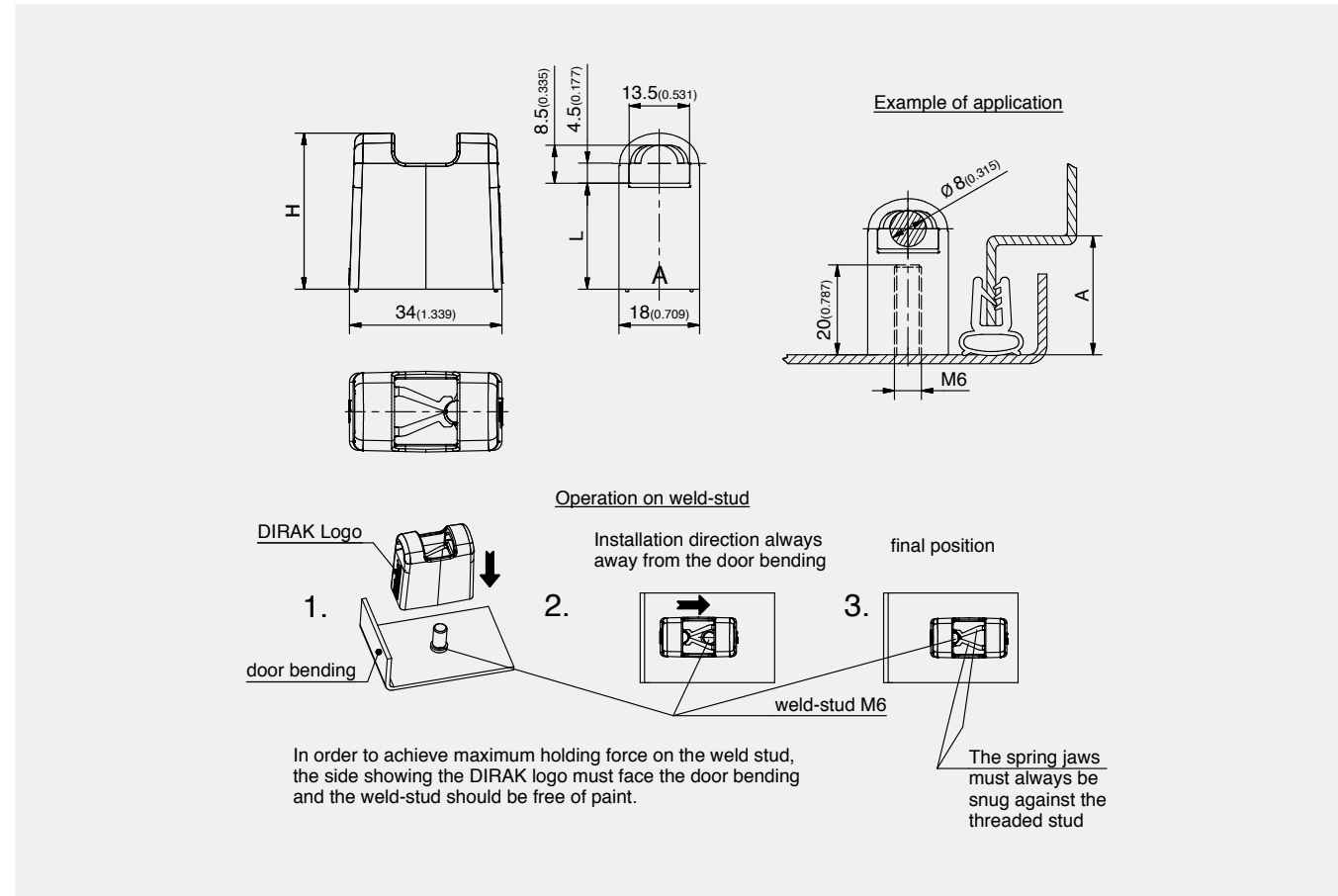
- Rod Guide for 8mm (0.315) round rods for installation without tools on weld-stud M6x20mm.
- The rod guide has to be placed over the weld stud and then pushed onto the thread until a "click" is audible. It is locked now in the final position.
- The rod guide must be installed as shown in the figure.
- Visual inspection possible from above through openings.
- The rod guide can be removed from the threaded stud by inserting a flat head screwdriver, pushing the jaws apart and sliding the rod guide out.

**Materials**

■ **Rod guide:** PA6, black

**Remarks**

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.



Rod guide

	Part Number	A = bending	Height H	Length L	Version	Fastening type	Material
a)	200-3616.54-00000	A24	35 mm	23.5 mm	Round rod	quick assembling	PA
b)	200-3617.54-00000	A26	37 mm	25.5 mm	Round rod	quick assembling	PA
c)	200-3618.54-00000	A28	39 mm	27.5 mm	Round rod	quick assembling	PA

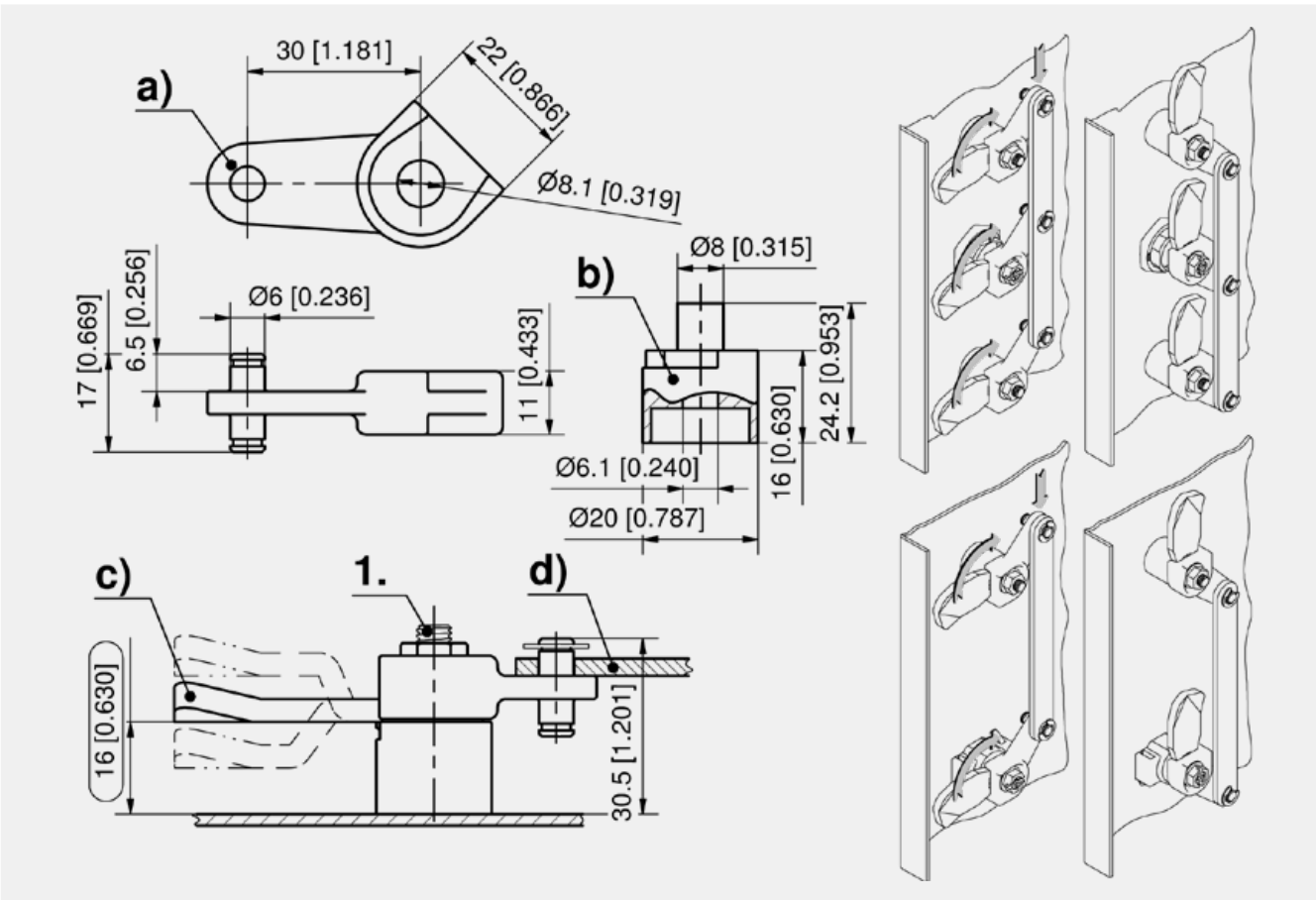


**Advantages**

- For designing multipoint locking systems.
- RH / LH application.
- Flexible use on Quarter-Turns with 18 mm housings or swinghandles.
- As the examples show, the controlling Quarter-Turn can be installed in different positions.
- The driving rod actuates all cams simultaneously.
- (1.) Assembly spacer on weld-stud M6 x 32.
- d) For driving rods please contact DIRAK.
- H-dimension (18) only for sheet thickness 2 mm.

**Materials**

- **Cam Adapter and Spacer:** zinc die, zinc plated
- **C-clip:** steel, zinc plated



Cam Adapter

Part Number	Name	Packaging unit
a)	100-9033.00-00000 Cam adapter (incl. c-clip)	10 pcs.
b)	200-2811.35-00000 Spacer	10 pcs.

Accessories	
c)	1-102 Cams L35/45 steel
c)	1-261 Cams with Ramp
c)	1-262 Cam variable



**Advantages**

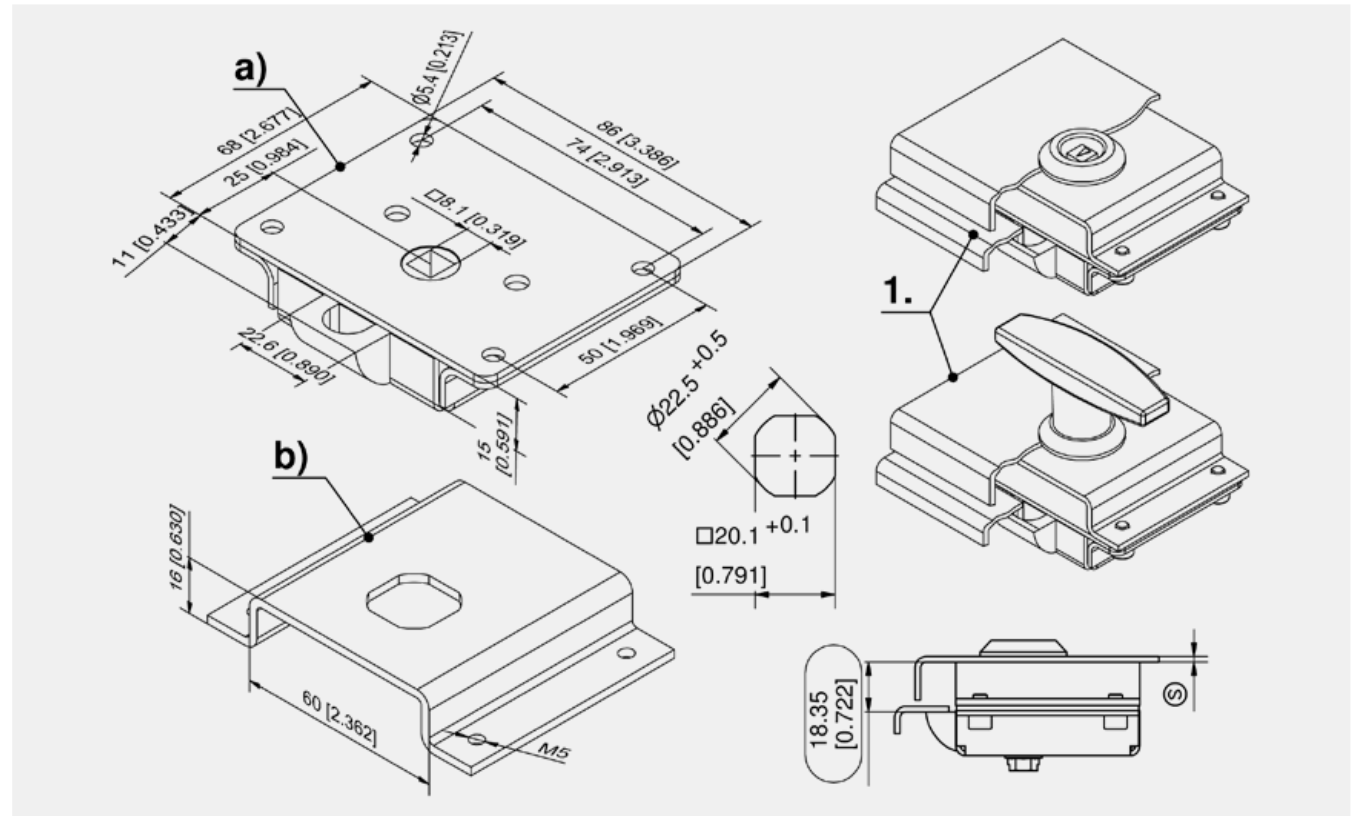
- Slam-latch for doors and panels.
- Slam-latch for doors and panels, can be opened by key or handle.
- The slam-latch is screwed onto the latch support.
- Which is either screwed or, in case of heavy application, welded to the door additionally.
- If assembled without insert it can be opened with tapered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

**Materials**

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

**Remarks**

1. Examples of application



Slam-Latch

Part Number	Installation type
a)	229-9101.00-00000 screw- / weld-on

Lock Support for Slam Latch

Part Number	Name	Material	Surface
b)	229-0501.00-00000 Lock Support	steel	zinc plated

Accessories	
+	1-101 Inserts Pr20.1
+	1-100 Quarter-Turn Pr20.1 L18
+	1-130 Quarter-Turn with Wing Knob Pr20.1 L18

Accessories	
+	1-140 Quarter-Turn with T-Handle Pr20.1 L18
+	1-150 Quarter-Turn with L-Handle Pr20.1 L18
+	6-040 Serrated Screws



for Quarter-Turn cutout

**Advantages**

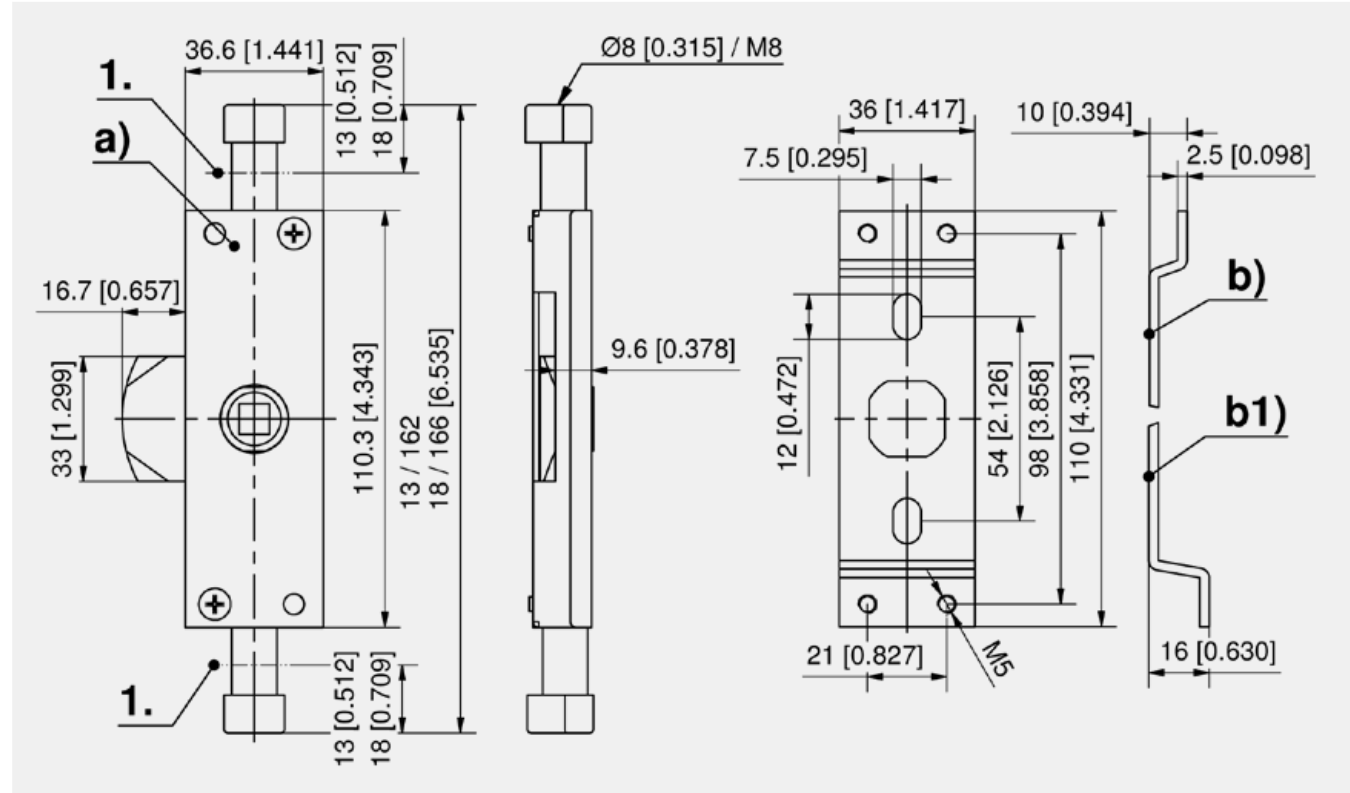
- For cutout Pr 20.1.
- Heavy duty version.
- RH/ LH application.
- In combination with lock support for 20 or 26mm bending.
- Escutcheon with insert PS 1-430.01.
- T- and L-handles PS 1-430.
- Swinghandles PS 2-300.

**Materials**

- a) **Rod Latch:** steel, zinc plated and zinc die
- b) and b1) **Lock support:** steel, zinc plated
- c) **Round rods:** steel, zinc plated
- d) **Rod Guide:** PA, black
- e) and f) **Escutcheon and insert:** zinc die, chrome plated
- g) and h) **T- and L-handles:** zinc die, chrome plated or black
- i) **Swinghandle:** PA, black or zinc die, black

**Remarks**

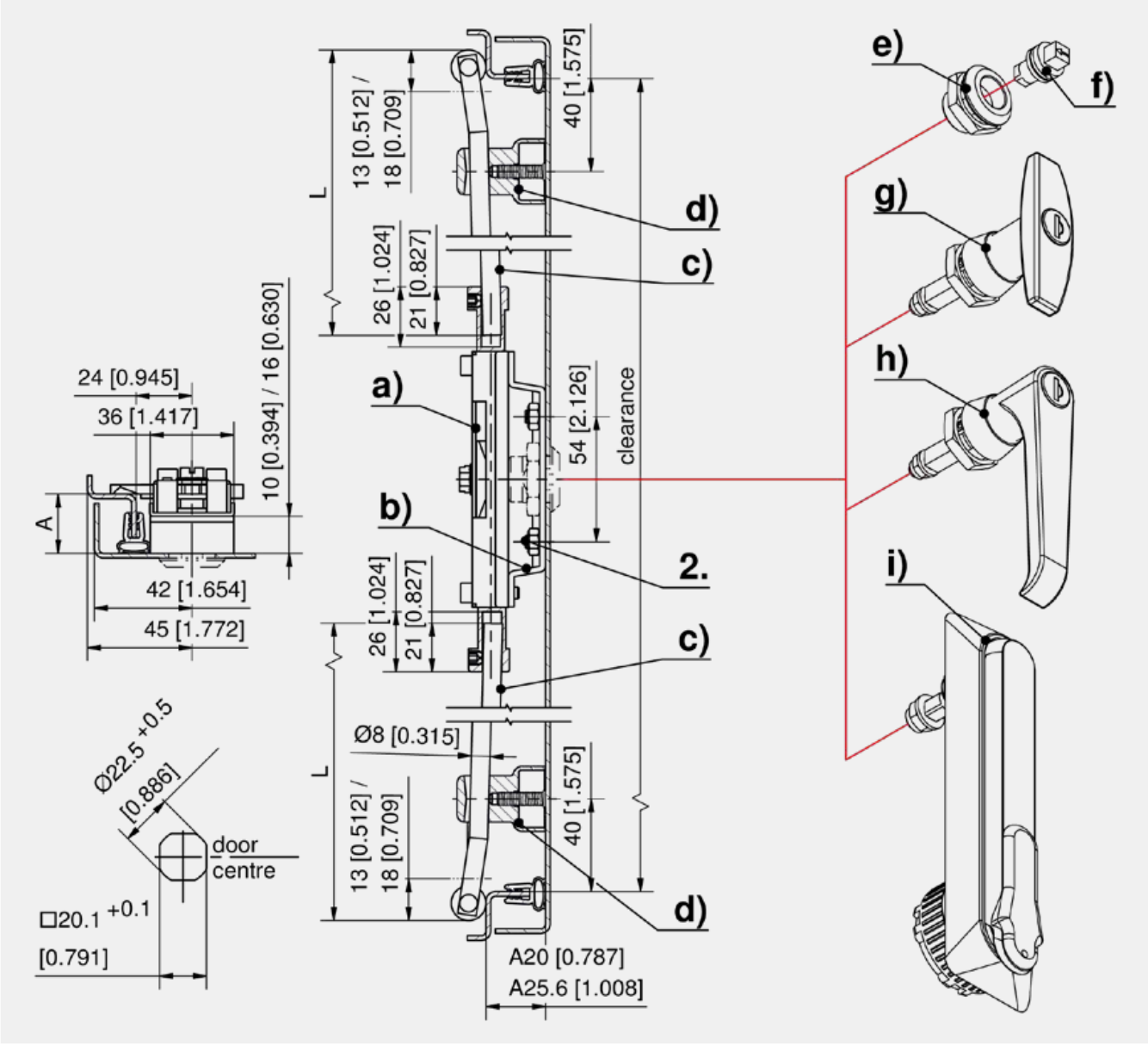
1. stroke
2. For painted doors and bolted lock, an M6x8 weld-stud with nut is required for the earthing.



Rod latch for round rods

	Part Number	Version	Stroke	Threaded size rod latch	Rod diameter Ø	Installation type
a)	235-9001.00-00000	RH	13 mm		8 mm	screw- / weld-on
a)	235-9002.00-00000	LH	13 mm		8 mm	screw- / weld-on
a)	235-9003.00-00000	RH	18 mm		8 mm	screw- / weld-on
a)	235-9004.00-00000	LH	18 mm		8 mm	screw- / weld-on
a)	235-9005.00-00000	RH	13 mm	M8	8 mm	screw- / weld-on
a)	235-9006.00-00000	LH	13 mm	M8	8 mm	screw- / weld-on
a)	235-9007.00-00000	RH	18 mm	M8	8 mm	screw- / weld-on
a)	235-9008.00-00000	LH	18 mm	M8	8 mm	screw- / weld-on

Accessories	
g)-h)	1-430 T- and L-Handles for Rod Latches
i)	2-300 Swinghandle RS 130 for Rod Latch
d)	1-192 Rod Guides
d)	1-193 Rod Guide RS
d)	1-190 Rod Guides for 8mm Round Rods
d)	1-191 Height-adjustable Rod Guide with Knurled Nut
c)	1-170 Round Rod with Eye
c)	1-180 Round Rods for Adapter
b1)	235-1002.00-00000 Lock support A26
c)	201-0801.00-01000 Round rod, M8 x 1000mm
b)	235-1001.00-00000 Lock support A20
e)-f)	1-430.01 Escutcheon and Inserts





RoHS  
WEEE



**Advantages**

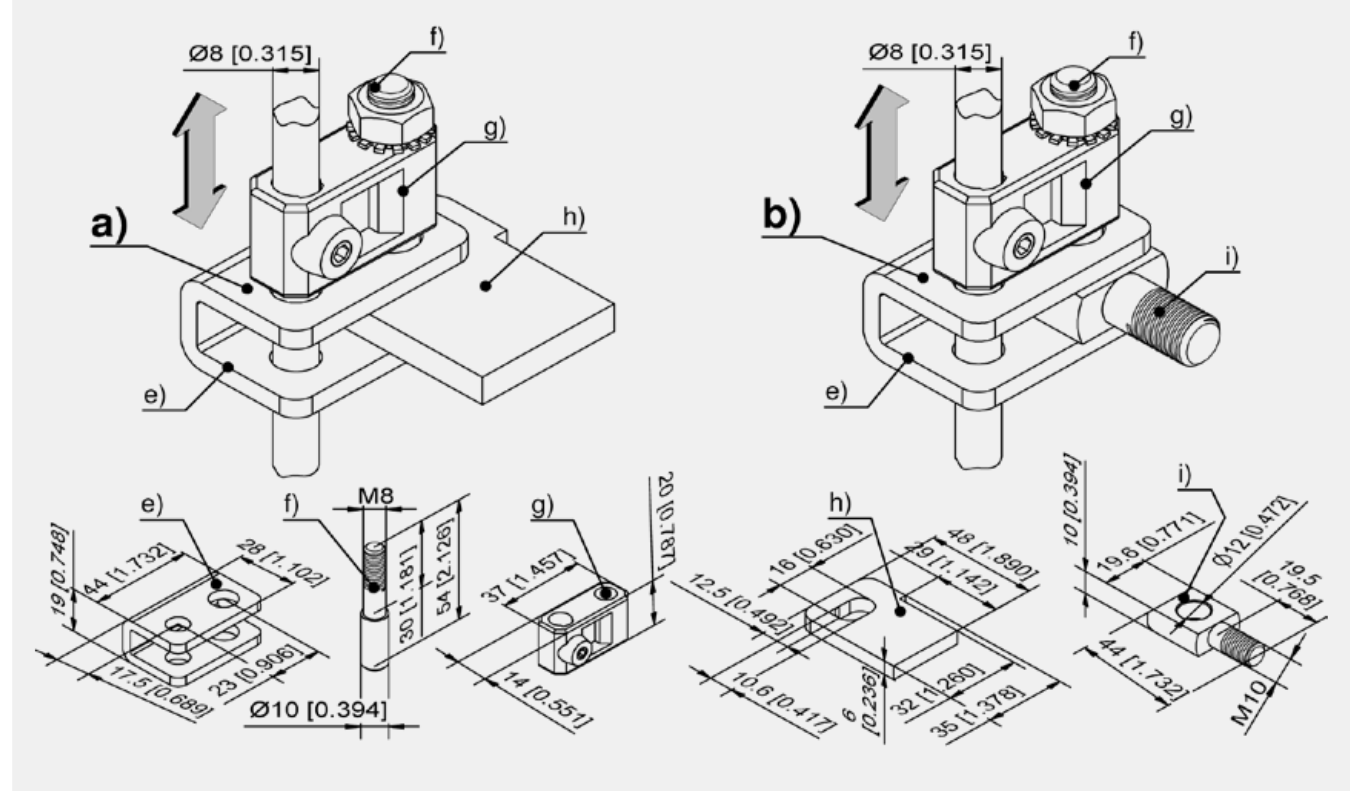
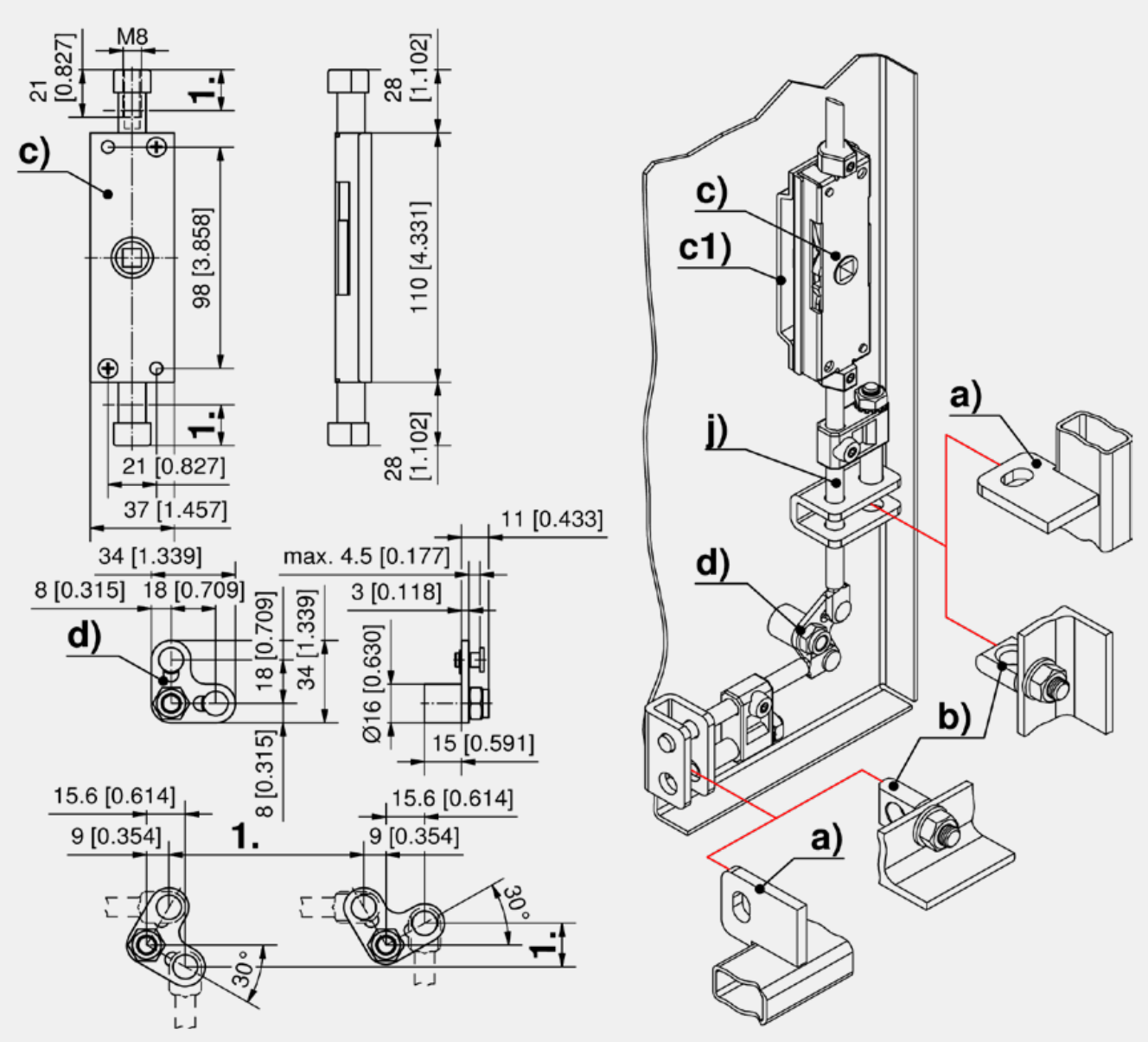
- Unit for pressure-tight doors.
- For high and medium voltage distribution boards.
- Controlled by a rod latch 18mm stroke.
- For insert, T- and L-handles and swinghandles RS 130.
- Suitable for round rod Ø8mm.
- Redirection usable.

**Materials**

- **Connecting pin and fixing pieces:** steel, zinc plated
- **Fastener:** zinc die
- **Weld-on U-bracket:** steel, untreated
- **Frame-part eye weld-on:** steel, untreated
- **Frame-part eye screw-on:** steel, zinc plated
- **Redirection, Spacer, Carrier, Securing nut and c-clip:** steel, zinc plated

**Remarks**

1. = stroke 18mm



Pressure-tight door furniture complete

	Part Number	Version	Fastening type	Stroke
a)	215-9001.00-00000	Frame-part eye weld-on	weld-on	18 mm
b)	215-9002.00-00000	Frame-part eye screw-on	screw-on	18 mm

Specific accessories	
d)	215-9005.00-00000 Redirection for pressure-tight door furniture
g)	215-9101.00-00000 Fastener
f)	215-0501.00-00000 Locking pin
i)	215-0401.00-00000 Frame-part eye
h)	215-0201.00-00000 Frame-part eye
e)	215-0101.00-00000 U-bracket, series 235
	1-430.01 Escutcheon and Inserts

Accessories	
c)	235-9014.00-00000 Rod Latch, LH version
c)	235-9013.00-00000 Rod Latch, RH version
c1)	235-1002.00-00000 Lock support A26
j)	201-0801.00-01000 Round rod, M8 x 1000mm
c1)	235-1001.00-00000 Lock support A20



RoHS  
WEEE

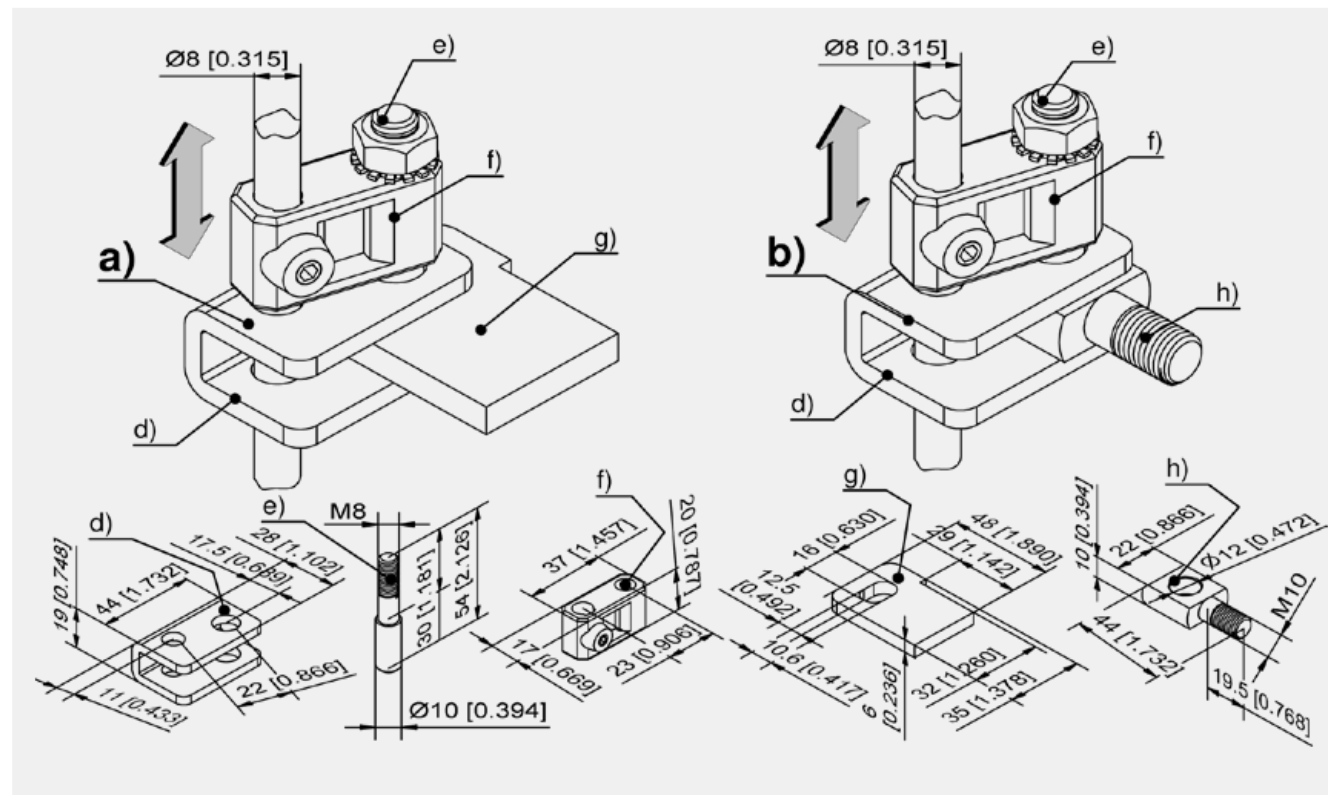


**Advantages**

- Unit for pressure-tight doors.
- For high and medium voltage distribution boards.
- Controlled with rod latch 24mm stroke.
- For insert, T- and L-handles and swinghandles RS 130.
- Suitable for round rods Ø8mm.

**Materials**

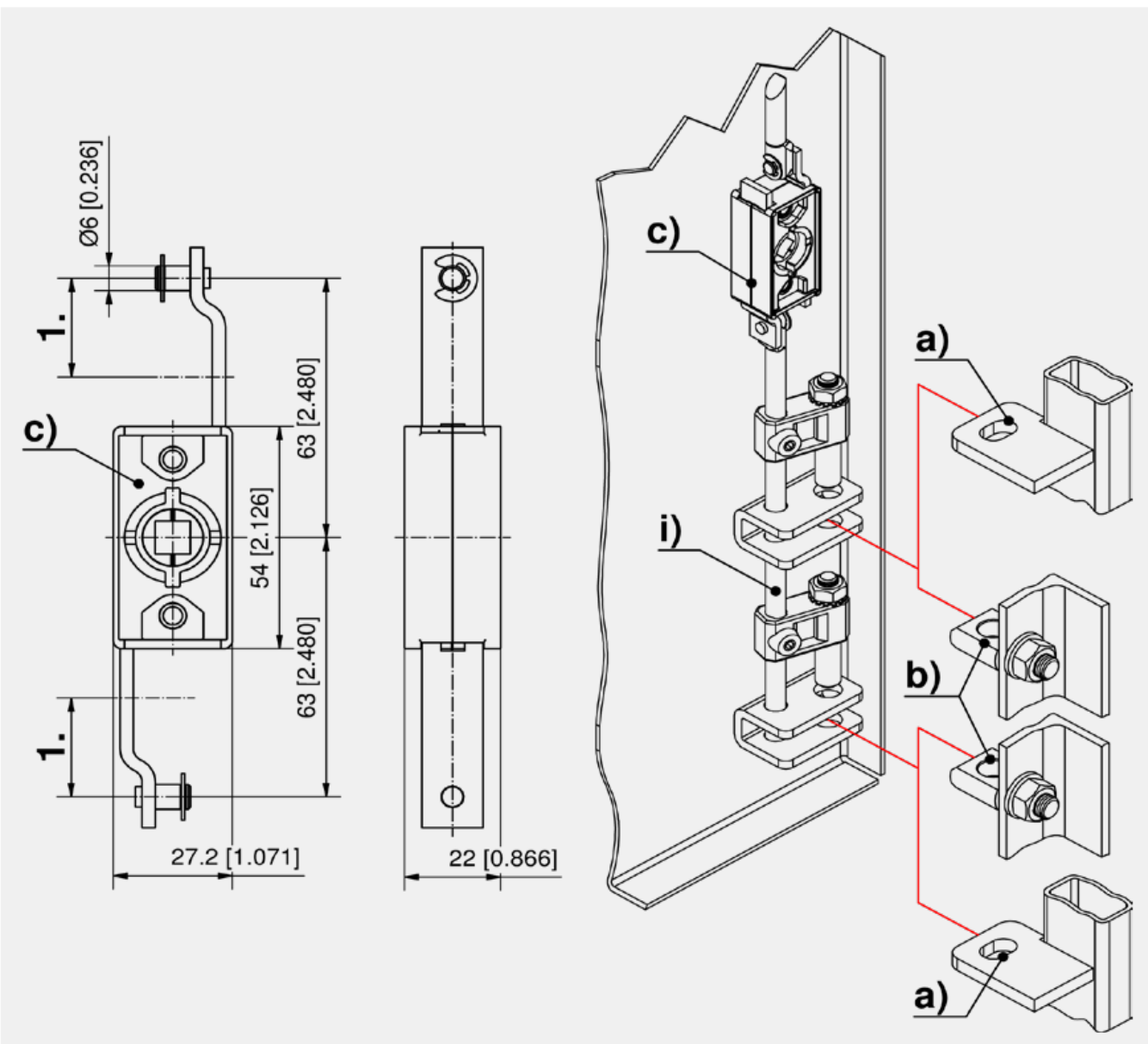
- **Connecting pin and fixing pieces:** steel, zinc plated
- **Fastener:** zinc die
- **Weld-on U-bracket:** steel, untreated
- **Frame-part eye weld-on:** steel, untreated
- **Frame-part eye screw-on:** steel, zinc plated



Pressure-tight door furniture complete

	Part Number	Version	Stroke	Fastening type
a)	215-9003.00-00000	Frame-part eye weld-on	24 mm	weld-on
b)	215-9004.00-00000	Frame-part eye screw-on	24 mm	screw-on

Accessories	
+	3-101 Escutcheons and Inserts
i)	1-170 Round Rod with Eye
i)	1-180 Round Rods for Adapter
c)	208-9001.00-00000 Rod Latch
f)	215-9101.00-00000 Fastener
e)	215-0501.00-00000 Locking pin
h)	215-0401.00-00000 Frame-part eye
g)	215-0201.00-00000 Frame-part eye
d)	215-0101.00-00001 U-bracket, series 208





for profile-cylinder

Advantages

- For cutout Pr 20.1 and profile cylinder.
- Heavy duty version.
- RH/ LH application.
- In combination with lock support for 20 or 26mm bending.
- Function: By turning the key in the profile cylinder, the insert or handle is released. After release, the rod latch can be opened or closed by the insert or the handle. The key in the profile cylinder can only be removed in the locked state.
- Escutcheon with insert PS 1-430.01.
- T-handles PS 1-430.

Materials

- 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
- g) **Rod Guide:** PA, black
- f) **Round rods:** steel, zinc plated

Remarks

1. Stroke 18
2. For painted doors and bolted lock, an M6x8 weld stud with nut is required for the earthing.



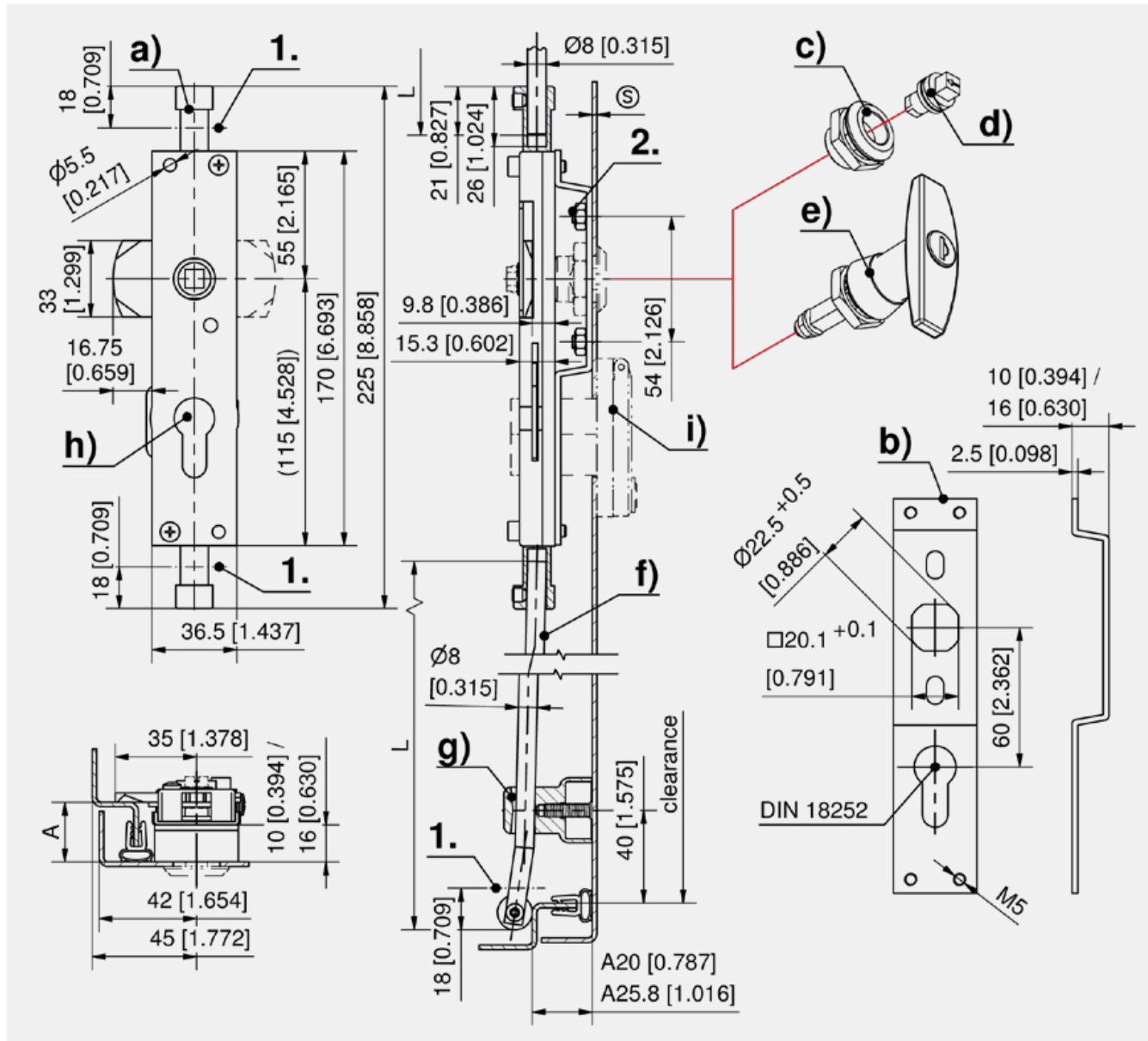
Rod latch for insert and profile cylinder for bending 20/26

	Part Number	Version	Stroke	Rod diameter Ø	Installation type
a)	235-9401.00-00000	RH	18 mm	8 mm	screw- / weld-on
a)	235-9402.00-00000	LH	18 mm	8 mm	screw- / weld-on

Lock Support

	Part Number	Name
b)	235-1006.00-00000	Lock support A26
b)	235-1005.00-00000	Lock support A20

Accessories	
i)	6-115 Polyamide Lock Cover
e)	1-430 T- and L-Handles for Rod Latches
g)	1-192 Rod Guides
g)	1-193 Rod Guide RS
g)	1-190 Rod Guides for 8mm Round Rods
g)	1-191 Height-adjustable Rod Guide with Knurled Nut
f)	1-170 Round Rod with Eye
f)	1-180 Round Rods for Adapter
h)	211-9004.00-00000 DIRAK Profile-cylinder
h)	211-9003.00-00000 DIRAK Profile-cylinder
c)-d)	1-430.01 Escutcheon and Inserts





**Without cam**

**Advantages**

- For cutout Pr 20.1.
- Heavy duty version.
- Closing rotation 180°.
- Stroke 31,4 mm.
- RH and LH version.
- In combination with lock support for 20 or 26mm bending.
- Escutcheon with insert PS 1-430.01.
- T- und L-handles PS 1-430.
- Swinghandles RS 130 see PS 2-300.

**Materials**

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

**Remarks**

1. Stroke 31,4 2. For painted doors and bolted lock, an M6 x 8 weld stud with nut is required for the earthing



**Advantages**

- Escutcheon a, a1: for all inserts.
- Escutcheon b, b1: according to DIN 43668, double bit key for cell- or cabinet doors of electrical switchgears. The double bit key is removable only in closed position.
- Insert: double bit with 3mm (e) oder 5mm pin (e1).
- RH / LH application.
- IP65 according to DIN EN 60529 by sealing kit 209-9002.
- Please configure the escutcheon with insert and rod latch 1-400, 1-405, 1-410 and 1-415.

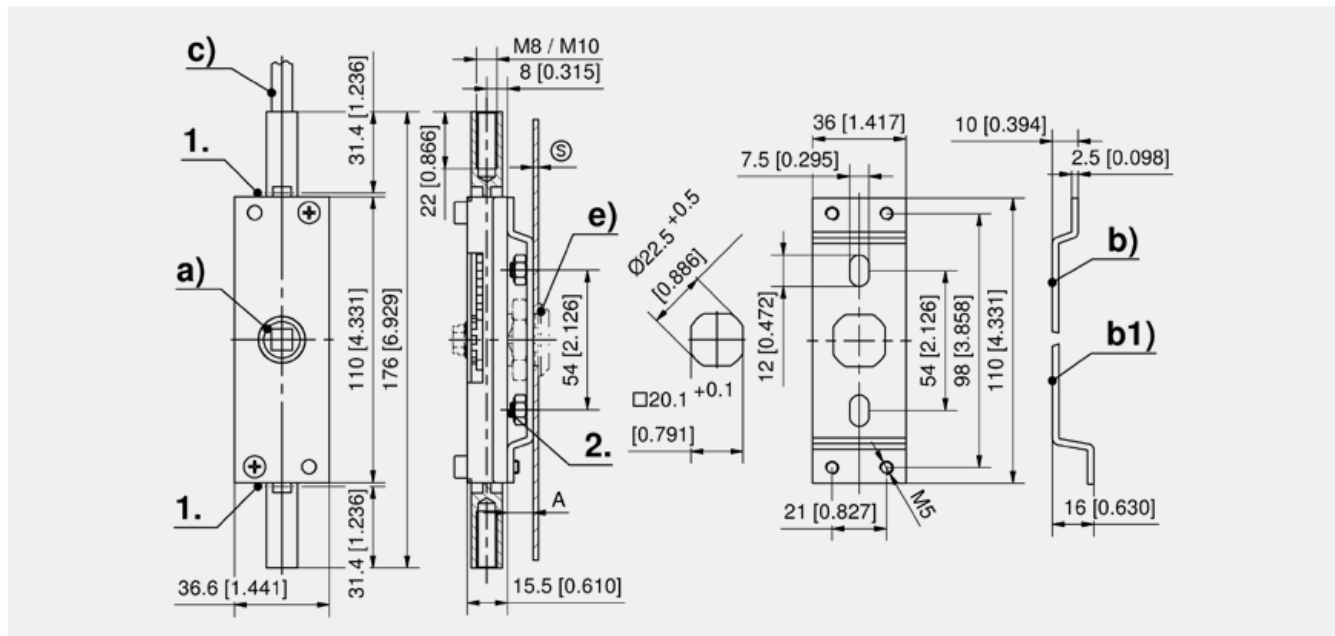
**Materials**

**Escutcheon and inserts:** zinc die, chrome plated

**Sealing kit:** NBR, black

**Remarks**

S = max. 4mm



Rod latch, rod connection M8

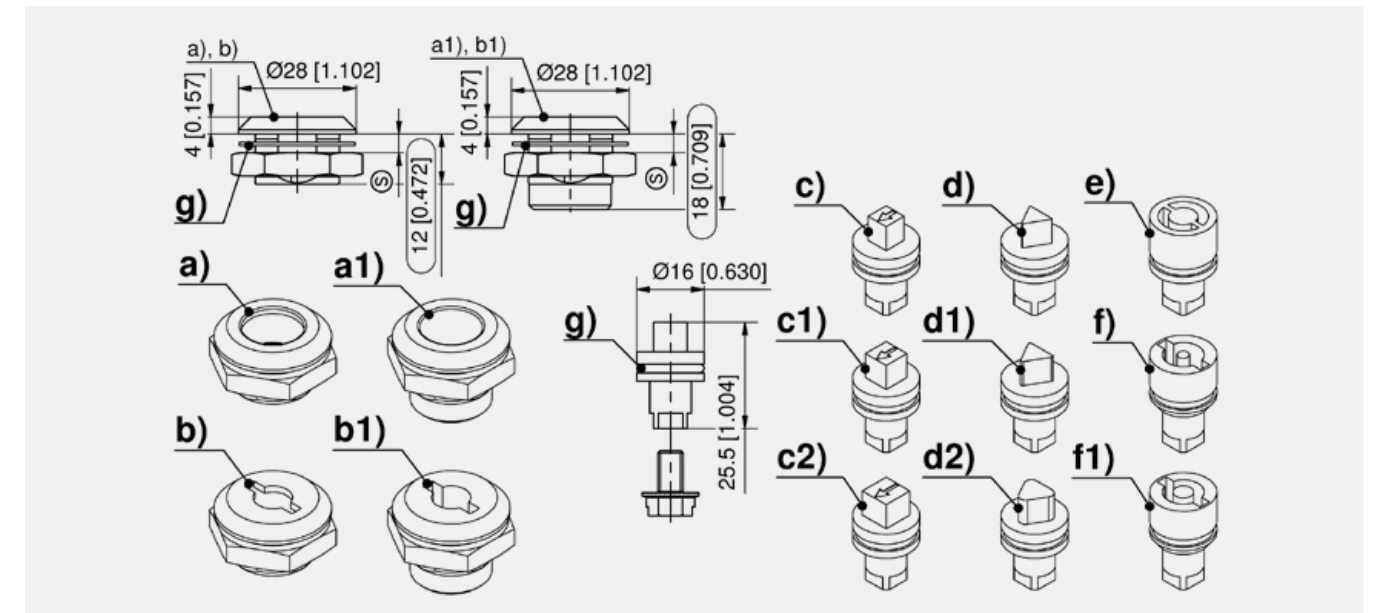
Part Number	Version	Stroke	Rod diameter Ø	Installation type
a) 235-9009.00-00000	RH	31.4 mm	8 mm	screw-on
a) 235-9010.00-00000	LH	31.4 mm	8 mm	screw-on

Rod latch, rod connection M10

Part Number	Version	Stroke	Rod diameter Ø	Installation type
a) 235-9011.00-00000	RH	31.4 mm	10 mm	screw-on
a) 235-9012.00-00000	LH	31.4 mm	10 mm	screw-on

Accessories	
e)	1-430 T- and L-Handles for Rod Latches
e)	2-300 Swinghandle RS 130 for Rod Latch
d)	1-192 Rod Guides
d)	1-193 Rod Guide RS
d)	1-190 Rod Guides for 8mm Round Rods
d)	1-191 Height-adjustable Rod Guide with Knurled Nut
b)	235-1002.00-00000 Lock support A26
b)	235-1001.00-00000 Lock support A20
e)	1-430.01 Escutcheon and Inserts

Specific accessories	
201-0801.00-01000	Round rod, M8 x 1000mm
201-1001.00-01000	Round rod, M10 x 1000mm



Escutcheon

Part Number	Name	Material	Surface
a) 235-9203.00-00000	Escutcheon A 20, universal	zinc die	chrome plated
a1) 235-9204.00-00000	Escutcheon A 26, universal	zinc die	chrome plated
b) 235-9201.00-00000	Escutcheon A 20 only for double bit	zinc die	chrome plated
b1) 235-9202.00-00000	Escutcheon A 26, only for double bit	zinc die	chrome plated

Inserts with screw M6x10

Part Number	Insert	Material	Surface
c) 235-9101.00-00000	Square 6mm	zinc die	chrome plated
c1) 235-9102.00-00000	Square 7mm	zinc die	chrome plated
c2) 235-9103.00-00000	Square 8mm	zinc die	chrome plated
d) 235-9104.00-00000	Triangular 6.5mm CNOMO	zinc die	chrome plated
d1) 235-9105.00-00000	Triangular 7mm	zinc die	chrome plated
d2) 235-9106.00-00000	Triangular 8mm	zinc die	chrome plated
e) 235-9109.00-00000	Daimler Benz type	zinc die	chrome plated
f) 235-9107.00-00000	Double bit 3mm pin	zinc die	chrome plated
f1) 235-9108.00-00000	Double bit 5mm pin	zinc die	chrome plated

Function extension	
g)	209-9002.00-00000 Sealing kit IP65 for 200-Quarter-Turns



**Advantages**

- RH / LH application.
- IP65 according to DIN EN 60529 by sealing kit 209-9002.
- Please configure the handles with the rod latch 1-400, 1-405, 1-410 and 1-415.

**Materials**

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

**Remarks**

S= max. 4mm

T-handle, chrome plated

	Part Number	Version	Latching type
a)	235-9501.00-00000	A20/H22	
b)	235-9502.00-00000	A26/H28	
a)	235-9505.00-00000	A20/H22	keyed alike DIRAK 1333
b)	235-9506.00-00000	A26/H28	keyed alike DIRAK 1333
a)	535-9505.00-00000	A20/H22	keyed alike DS200
b)	535-9506.00-00000	A26/H28	keyed alike DS200
a)	235-9510.00-00000	A20/H22	keyed different
b)	235-9511.00-00000	A26/H28	keyed different
a)	501-9505.00-00000	A20/H22	PAGODA keyed alike 1991
b)	501-9506.00-00000	A26/H28	PAGODA keyed alike 1991
a)	501-9510.00-00000	A20/H22	PAGODA keyed different
b)	501-9511.00-00000	A26/H28	PAGODA keyed different

T-handle, black

	Part Number	Version	Latching type
a)	235-9503.00-00000	A20/H22	
b)	235-9504.00-00000	A26/H28	
a)	235-9507.00-00000	A20/H22	keyed alike DIRAK 1333
b)	235-9508.00-00000	A26/H28	keyed alike DIRAK 1333
a)	235-9512.00-00000	A20/H22	keyed different
b)	235-9513.00-00000	A26/H28	keyed different
a)	501-9507.00-00000	A20/H22	PAGODA keyed alike 1991
b)	501-9508.00-00000	A26/H28	PAGODA keyed alike 1991
a)	501-9512.00-00000	A20/H22	PAGODA keyed different
b)	501-9513.00-00000	A26/H28	PAGODA keyed different

L-handle, chrome plated

	Part Number	Version	Latching type
c)	235-9601.00-00000	A20/H22	
d)	235-9602.00-00000	A26/H28	
c)	235-9605.00-00000	A20/H22	keyed alike DIRAK 1333
d)	235-9606.00-00000	A26/H28	keyed alike DIRAK 1333
c)	535-9605.00-00000	A20/H22	keyed alike DS200
d)	535-9606.00-00000	A26/H28	keyed alike DS200
c)	235-9610.00-00000	A20/H22	keyed different
d)	235-9611.00-00000	A26/H28	keyed different
c)	501-9605.00-00000	A20/H22	PAGODA keyed alike 1991
d)	501-9606.00-00000	A26/H28	PAGODA keyed alike 1991

L-handle, black

	Part Number	Version	Latching type
c)	235-9603.00-00000	A20/H22	
d)	235-9604.00-00000	A26/H28	
c)	235-9607.00-00000	A20/H22	keyed alike DIRAK 1333
d)	235-9608.00-00000	A26/H28	keyed alike DIRAK 1333
c)	535-9607.00-00000	A20/H22	keyed alike DS200
d)	535-9608.00-00000	A26/H28	keyed alike DS200
c)	235-9612.00-00000	A20/H22	keyed different
d)	235-9613.00-00000	A26/H28	keyed different

Accessories	
1-400 Inserts for Rod Latches 235 series	
1-410 Rod Latch	
1-415 Sliding Door Latch	
1-405 Rod Latch	
209-9002 Sealing kit IP65 for 200-Quarter-Turns	

