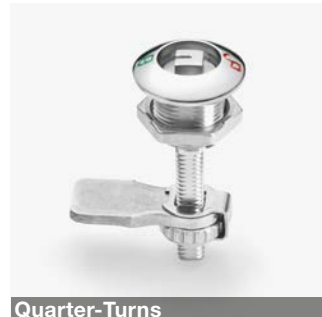
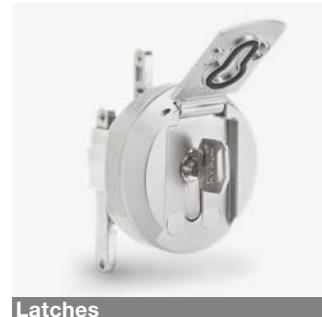




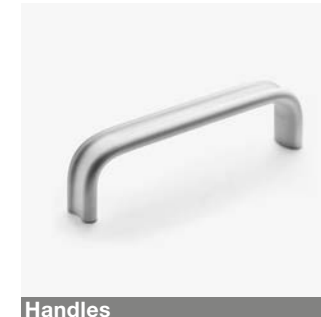
Quarter-Turns

Quarter-turns are used as a latching mechanism in numerous applications. They generally consist of a housing, an insert and a cam.



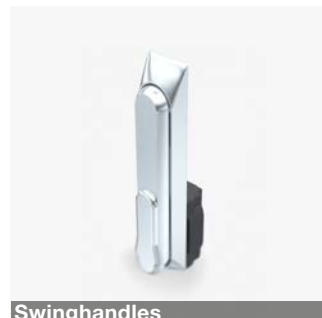
Latches

In addition to standard latches, we offer numerous latching systems for special applications. These include snap locks, over center toggle latches and quick release fasteners.



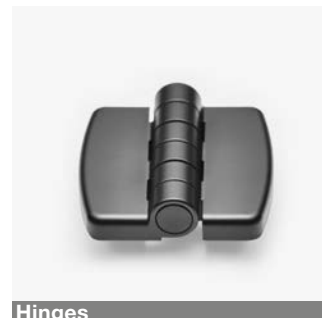
Handles

We have optimized our assortment of handles for a large number of applications. Numerous handles can be mounted without tools on request.



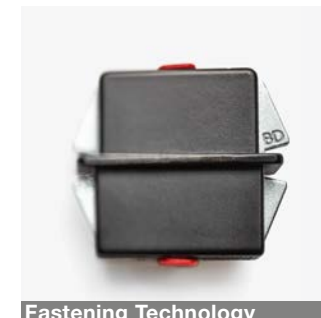
Swinghandles

In comparison to a simple quarter-turn, swinghandles provide a significantly higher torque. Many cylinders can be used with swinghandles. They also allow for multi-point systems inside and outside of the sealing area of housings.



Hinges

Hinges play a greater role than just moving doors or flaps. They adjust, can be detached, are visible or invisible and adapt to the door situation. With our wide and varied range of hinges, we can meet practically any customer requirement.



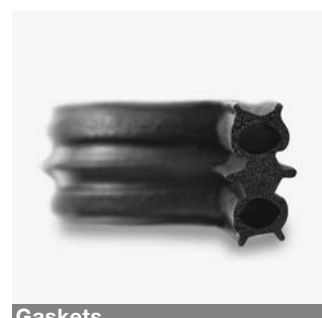
Fastening Technology

Our tool-less fastening technology was specially developed for demanding industrial environments and makes it possible to install our components in just seconds.



Multi-Point Systems

With multiple latching points, multi-point systems enable especially secure latching, even under high sealing pressure and around corners.



Gaskets

For use in housing and switch cabinet construction, we have developed a variety of gaskets. We offer seals in different cross-sections, profile shapes and fastening variants.



Complementary Products

Our complementary products are optimally coordinated with our assortment and provide versatile help for industrial housing construction.

Quarter-Turns

Swinghandles

Multi-Point Systems

Latches

Hinges

Gaskets

Handles

Fastening Technology

Complementary Products

Index



Quarter-Turns





NEAT AND CLEAN.

Our hygienic products meet the strict requirements of the food industry.

Page 145



Page 60

(Re-)adjustment is no problem.

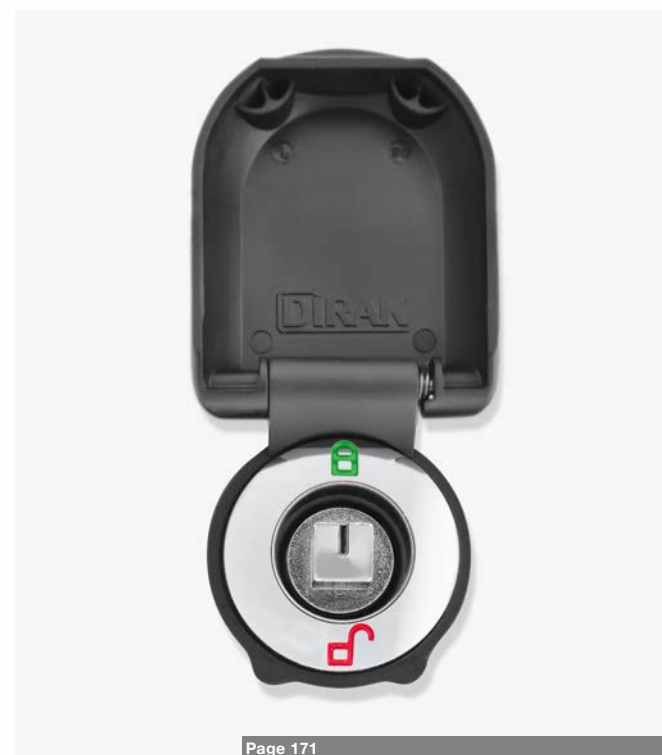
These products can be adjusted without tools, making it as easy as pie to adapt the closing pressure.



Page 58

Many good properties combined.

The compression quarter-turn combines the flat head shape with the locking position display and extended shaft for adjusting the cam height.



Page 171

Won't give dirt a chance.

The spring-loaded polyamide folding lid prevents dust and dirt from soiling the quarter-turn.



WORKING UNDER HIGH PRESSURE.

Products with protection class IP69K resist a stream of water at high pressure and remain water-tight.

Page 56

IP 69K



Page 74

DST



Page 105

Closed and protected.

The wing knob insert encloses the housing of the quarter-turn so that dust and water cannot penetrate in accordance with protection class IP66.

DIRAK-SNAP-Technology.

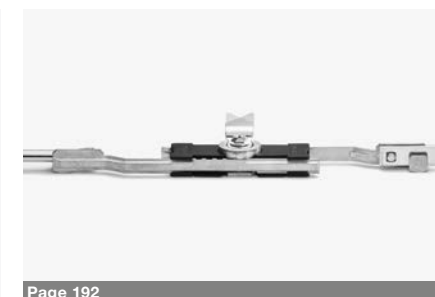
Did you know? Most of our products are also available with DIRAK-SNAP-Technology (DST).



Page 42

Small but impressive.

The new flat head shape of this quarter-turn series features a modern design and low installation height.



Page 192

Light and easy to activate.

The rod latch for quarter-turn is suitable as an escutcheon to form a multi-point system for easy locking that is still reliable, all in one process.



Page 100

Unobtrusive.

Thanks to the flush mounted design, the quarter-turn does not extend outward, thereby preventing persons or items from being caught for increased safety, for example in escape routes.



Quarter-Turns by Cutout



Page: 30–35, 38

Cylinder barrel	33–35
Compression	38
Vibration-proof	38



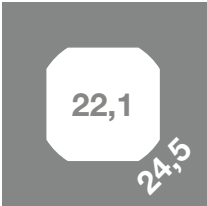
Page: 40–41

Compression	40–41
Vibration-proof	40–41



Page: 42–45, 47–48, 50–61, 64–65, 67–73, 75–89, 91–93, 103–129, 141–147

Hygienic Design (HD)	141, 143, 145, 147
Compression	50–61, 64–65
Vibration-proof	42, 50, 54–55, 58–59, 64–65
Cylinder barrel	87–89, 91, 103–119, 125, 130, 144, 146
Padlock	121–129



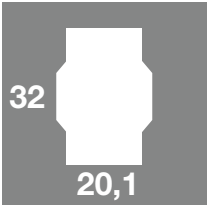
Page: 132–134

Compression	132–134
Vibration-proof	132–143



Page: 36–37

Cylinder barrel	36–37
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Page: 46, 49, 62–63, 74, 90

Compression	62–63
Cylinder barrel	90
Vibration-proof	62–63



Page: 136–139



Page: 66, 94–102, 130–131, 135, 140

Flush design	94–102
Vibration-proof	94–96
Cylinder barrel	130–131



30 Quarter-Turn Pr14.1 L13.5 [1-050]



31 Quarter-Turn Pr14.1 L13.5 Stainless Steel [7-050]



32 Quarter-Turn Pr14.1 L13.5 [1-057]



33 Quarter-Turn with Wing Knob Pr14.1 L13.5 [1-056]



34 Cylinder Quarter-Turn Pr14.1 L13.5 [1-053]



36 Quarter-Turn L13.5 with Fixing Clip [1-048]



37 Cylinder Quarter-Turn L13.5 with Fixing Clip [1-054]



38 Compression Latch Pr14.1 [1-045]



40 Compression Latch Pr19.1 [1-067]



42 Safety Quarter-Turn Pr20.1 L18 [1-085.01]



43 Safety Quarter-Turn Pr20.1 L18 Stainless Steel [7-074]



44 Safety Quarter-Turn Pr20.1 L18 [1-085]



46 DST Safety Quarter-Turn Pr32x20 L18 [1-085DST]



47 Safety Quarter-Turn Pr20.1 L18 Stainless Steel [7-075]



48 Quarter-Turn Pr20.1 L18 with FIAT Insert [1-086]



49 DST Quarter-Turn Pr32x20 L18 with FIAT Insert [1-086DST]



50 Compression Latch Pr20.1 [1-070]



51 Compression Latch Pr20.1 [1-071]



52 Compression Latch Pr20.1 [1-077]



54 Compression Latch Pr20.1 L32 [1-078]



56 Compression Latch Pr20.1 L22/32 Stainless Steel [7-078]



58 Compression Latch Pr20.1 L32 with H-Dimension Adjustment [1-079]



60 Comp. Latch Pr20.1 L22/32 with H-Dim. Adj. Stainless Steel [7-079]



62 DST Compression Latch Pr32x20 L22/28 [1-081DST]



64 Compression Latch Pr20.1 [1-081]



66 Clamping Quarter-Turn Pr21.6 [1-080]



67 Quarter-Turn SOFT-LINE Pr20.1 L18 [1-107]



68 Quarter-Turn 2K Polyamide Pr20.1 L18 [1-092]



70 Quarter-Turn Polyamide Pr20.1 L18 [1-095]



72 Quarter-Turn Pr20.1 L12 [1-083]



74 DST Quarter-Turn Pr32x20 L18 [1-083DST]



75 Quarter-Turn Pr20.1 L18 [1-100.01]



76 Quarter-Turn Pr20.1 L18 [1-100]



78 Quarter-Turn Pr20.1 L18 Stainless Steel [7-080.01]



79 Quarter-Turn Pr20.1 L36 [1-110.01]



80 Quarter-Turn Pr20.1 L30-60 [1-110]



82 Quarter-Turn Pr20.1 L18-50 Stainless Steel [7-083]



83 Quarter-Turn Pr20.1 L18-L60 Stainless Steel [7-080]



84 Quarter-Turn Pr20.1 with Square Threaded Rod [1-100.02]



86 Quarter-Turn with Conical Square Insert Pr20.1 L18 [1-210]



87 Cylinder Quarter-Turn Polyamide Pr20.1 L18 [1-121]



88 Cylinder Quarter-Turn Pr20.1 L18 [1-120]



89 Cylinder Quarter-Turn Pr20.1 L18 Stainless Steel [7-084]



90 DST Cylinder Quarter-Turn Pr32x20 L22 [1-120DST]



91 Cylinder Quarter-Turn Pr20.1 L30-50 [1-120.01]



92 Quarter-Turn with Combination Lock Pr20.1 L18 [1-125]



93 Quarter-Turn with Stepped Cam Pr20.1 L18-60 [1-200]



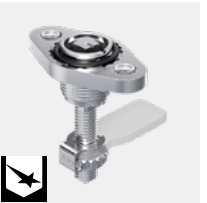
94 Flush Latch with Integrated Hinge Function [1-162]



96 Flush Quarter-Turn L22-66 [1-112]



98 Flush-mounted Compression Latch L28/L37 Stainless Steel [7-086]



100 Flush-mounted Comp. Latch L28/L37 with H-Dim. Adj. Stainl. Steel [7-087]



102 Flush-mounted Quarter-Turn L20 [1-160]



103 Quarter-Turn with Drip Handle Pr20.1 L18 [1-135]



104 Quarter-Turn with Wing Knob Pr20.1 L18 [1-130]



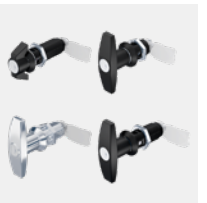
105 Quarter-Turn with Wing Knob Pr20.1 L18 [7-085.01]



107 Quarter-Turn with T-Handle Pr20.1 L18 [1-142]



108 Quarter-Turn with T-Handle Pr20.1 L18 [1-140]



110 Quarter-Turn with T-Handle and Wing Knob [1-155.02]



112 Quarter-Turn with T-Handle Pr20.1 L18 Stainless Steel [7-090]



113 Quarter-Turn with T-Handle Pr20.1 L30/50 [7-095.02]



114 Quarter-Turn with L-Handle Pr20.1 L18 [1-150]



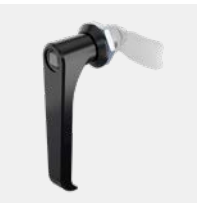
116 Quarter-Turn with L-Handle Pr20.1 L30-60 [1-155.01]



118 Quarter-Turn with L-Handle Pr20.1 L18 Stainless Steel [7-103]



119 Quarter-Turn with L-Handle Pr20.1 L30/50 [7-095.01]



120 Quarter-Turn with L-Handle Pr20.1 L18 [1-151]



121 Quarter-Turn for Padlock Pr20.1 L22/32 [1-117]



122 Quarter-Turn for Padlock Pr20.1 L18/40 [1-132]



123 Quarter-Turn for Padlock Pr20.1 L18 Stainless Steel [7-085]



124 L-Handle for Padlock Pr20.1 L18/40 [1-154]



125 L-Handle for Padlock Pr20.1 L18 [1-154.01]



126 L-Handle for Padlock Pr20.1 L18 Stainless Steel [7-100]



127 L-Wing-Handle for Padlock Pr20.1 L18 [1-651]



128 L-Handle for Padlock Pr20.1 L18 [1-153]



129 Quarter-Turn with L-Handle for Padlock Pr20.1 L18 Stainless Steel [7-104]



130 DST Bowed Handle with Quarter-Turn [6-1110DST]



132 Compression Latch Pr22.1 with Flap Stainless Steel [7-071]



134 Compression Latch Pr22.1 with Flap [1-075]



135 DST Quarter-Turn TRENTA Pr30 L18 [1-082DST]



136 Quarter-Turn Polyamide PrA L18 [1-099]



137 DST Quarter-Turn Polyamide PrA L18 [1-100DST]



138 Quarter-Turn PrA L16 [2-040]



139 Dish Handle PrA Stainless Steel [7-072]



140 Quarter-Turn - Firefighting Stainless Steel [7-331]



141 Hygiene Compression Latch Pr20.1 SW13 Stainless Steel [7-081.04HD]



142 Quarter-Turn SW13 Stainless Steel Pr20.1 L18 [7-081.01]



143 Hygiene Quarter-Turn Pr20.1 L18 SW13 Stainless Steel [7-081.01HD]



144 Quarter-Turn with T-Handle and Cylinder Pr20.1 L18 Stainless Steel [7-081.02]



145 Hygiene Quarter-Turn with T-Handle Pr20.1 L18 Stainless Steel [7-081.02HD]



146 Quarter-Turn with L-Handle and Barrel Pr20.1 L18 Stainless Steel [7-081.03]



147 Hygiene Quarter-Turn with L-Handle Pr20.1 L18 Stainless Steel [7-081.03HD]



148 Finger Pull and Inserts for Quarter-Turn Pr14.1 [1-059]



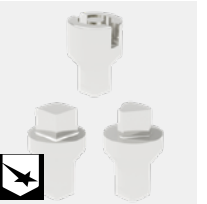
149 Cams for Quarter-Turn Pr14.1 [1-058]



150 Inserts Pr20.1 [1-101]



152 Inserts Stainless Steel Pr20.1 [7-082]



154 Cams L35/45 Steel [1-102]



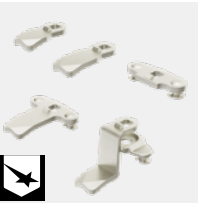
156 Cams L35/45 Stainless Steel [7-105]



157 Slide Shoe for Cams [1-103]



158 Cams L45 Steel [1-102.01]



159 Cams L35/45 Stainless Steel [7-105.01]



160 Hooked Cams [1-260]



161 Cams with Ramp [1-261]



161 Cams variable [1-262]



162 Slam-Cams [1-264]



163 Slam-Cams for Quarter-Turn Pr20.1 Stainless Steel [7-076]



164 Slam-Cam for Quarter-Turns Pr20.1 [1-265]



165 Roller Cam Height Adjustable [1-105]



166 DST Cam Catch [1-050DST]



167 Handles for Quarter-turns Pr20.1 [1-115]



168 Dish Pr20.1 [1-274]



169 Emergency Handle + Accessories for Pr20.1 [1-275]



170 Dust Caps and Sealing Plug Pr20.1 [1-270]



171 Spring-Loaded Flap Lid Pr20.1 [1-270.02]



172 Finger Pull for Quarter-Turn Pr20.1 [1-270.01]



173 H-Dimension Adjustment [2-151.02]



173 H-Dimension Adjustment Stainless Steel [7-077.02]



174 Cams Height Adjustable L45 Stainless Steel [7-077]



175 2-, 3- and 4-Point Cam Adapter [2-151]



176 3-Point Cam Adapter [2-151.04]



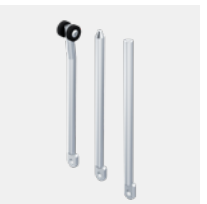
177 3- and 4-Point Cam Adapter Stainless Steel [7-106.02]



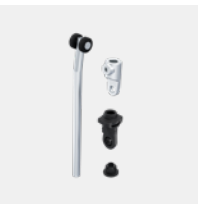
178 3-Point Adapter with H-Dimension Adjustment [2-151.01]



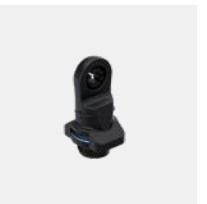
178 3-Point Cam Adapter 45° Zinc Die [2-151.03]



179 Round Rods with Eye [1-170]



180 Round Rods for Adapter [1-180]



181 Adapter for Round Rods Ø8mm PA [1-181]



181 Adapter for Round Rods Ø8mm / Ø10mm Zinc Die [1-181.01]



182 Round Rods Stainless Steel [7-106]



183 Adapter for Round Rods Ø8mm Stainless Steel [7-106.03]



183 Rod Guide RS Height Adjustable Stainless Steel [7-912]



184 Rod Guide RS Height Adjustable [1-191]



185 Rod Guides RS [1-192]



186 Rod Guides RS [1-190]



187 Rod Guides RS [1-193]



188 Adapter and Spacer [1-263]



190 90° Redirect for Multi-Point Locking System [1-263.01]



192 Rod Latch for Quarter-Turns Pr20.1 L18 RS/FS [1-350]



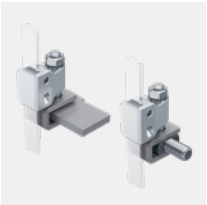
194 Rod Latch with Quarter-Turn L12 Pr20.1 FS [1-351]



196 Dual Rod Guide FS/RS 18mm [3-904]



197 Dual Hook FS 18mm [3-905]



198 Pressure-Tight Fitting for 24mm Stroke FS [1-451]



200 Pressure-Tight Fitting for 18mm Stroke RS [1-450]



202 Pressure-Tight Fitting for 24mm Stroke RS [1-450.01]



204 3-Point Rod Latch RS [1-400]



206 2-Point Rod Latch RS [1-400.01]



207 2-Point Rod Latch RS [1-410]



208 Rod Latch for Profile Cylinder [1-405]



210 T- and L-Handles for Rod Latches [1-430]



212 Escutcheon and Inserts [1-430.01]



213 Slam Latch [1-300]



Compression Latch Pr20.1 L32 with H-Dimension Adjustment

See page 58



Advantages

- IP65 to DIN EN 60529 by using sealing kit (optional).
- RH / LH application.
- On request parts can be assembled.
- A pre-assembled quarter-turn can be installed in the cutout and combined with the finger pull of product system 1-060.
- Grounding by grounding nut or grounding clip.

Materials

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

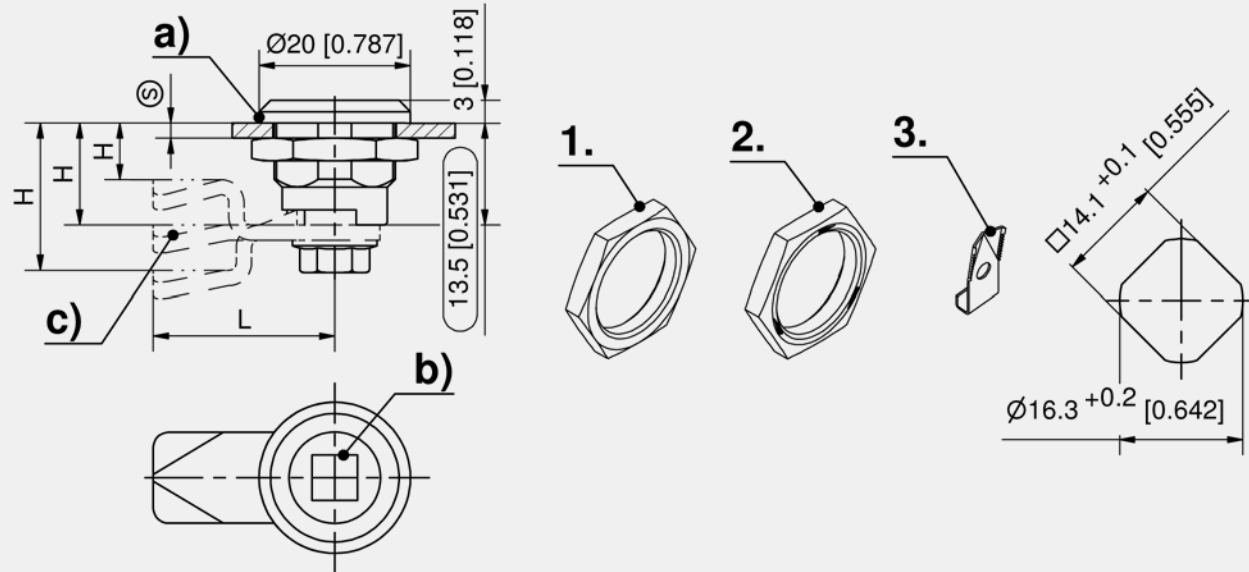
Remarks

With assembled cam - door thickness (S) max. 2mm
With unassambled cam - door thickness (S) max. 5mm

1. nut
2. grounding nut
3. grounding clip

When using finger pull (b) the H-dimension decreases by 0.8mm

Please configure the quarter-turn with insert and cam.



Quarter-Turn housing + nut

	Part Number	Material	Surface	Grounding type	Installation type	Delivery Unit
a)	220-9001.00-00000	zinc die	chrome plated		screw-on	10 pcs.
a)	220-9002.00-00000	zinc die	chrome plated	Grounding nut	screw-on	10 pcs.
a)	220-9005.00-00000	zinc die	chrome plated	Grounding clip	screw-on	10 pcs.
a)	220-9003.00-00000	zinc die	black		screw-on	10 pcs.
a)	220-9004.00-00000	zinc die	black	Grounding nut	screw-on	10 pcs.
a)	220-9006.00-00000	zinc die	black	Grounding clip	screw-on	10 pcs.
a)	220-9020.00-00000	PA	black		screw-on	10 pcs.
a)	220-9021.00-00000	PA	black	Grounding nut	screw-on	10 pcs.
a)	220-9022.00-00000	PA	black	Grounding clip	screw-on	10 pcs.

+	Accessories
c)	149 1-058 Cams for Quarter-Turn Pr14.1
b)	148 1-059 Finger Pull and Inserts for Quarter-Turn Pr14.1
	768 6-100 Wrench

+	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 Quarter-Turns Pr14.1



Advantages

- IP65 DIN EN 60529 by sealing kit (optional).
- RH / LH 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.

Materials

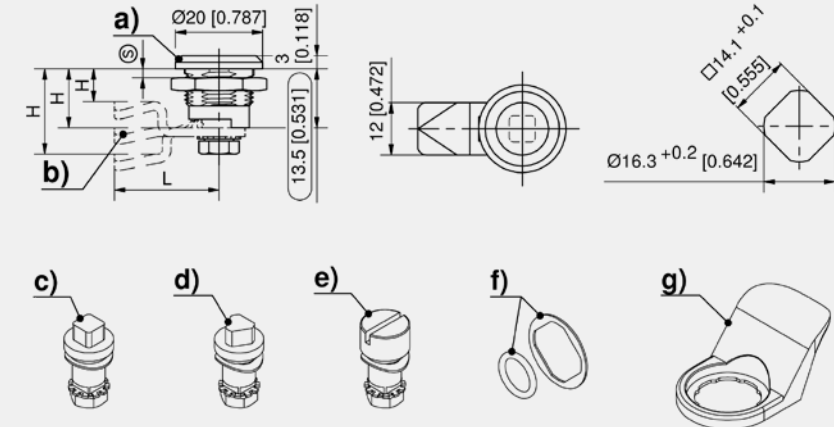
- **Housing and insert :** AISI 316
- **Screw, serrated washer:** AISI 304
- **Wave washer and cam:** AISI 301

Remarks

With assembled cam - door thickness (S) max. 2mm
With unassambled cam - door thickness (S) max. 5mm

When using finger pull (f) the H-dimension decreases by 0.8mm

Please configure the quarter-turn with insert and cam.



Quarter-Turn housing + nut

	Part Number	Housing length	Installation type	Delivery Unit
a)	220-9018.00-00000	13.5 mm	screw-on	1 pc.

Insert with screw, spring- and serrated washer

	Part Number	Insert	Delivery Unit
c)	220-9120.00-00000	Square 6mm	1 pc.
d)	220-9121.00-00000	Triangular 6.5mm	1 pc.
e)	220-9122.00-00000	Slotted 1,5x3mm	1 pc.

Cams L24, with stop

	Part Number	H-dimension	Delivery Unit
b)	220-0503.04-00000	7.5 mm	1 pc.
b)	220-0501.04-00000	13.5 mm	1 pc.
b)	220-0502.04-00000	19.5 mm	1 pc.

+	Accessories
g)	148 220-1301.00-00000 Finger pull
	768 6-100 Wrench

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

*	Function extension
f)	209-9003.00-00000 Sealing kit IP65 for Quarter-Turns Pr14.1





Advantages

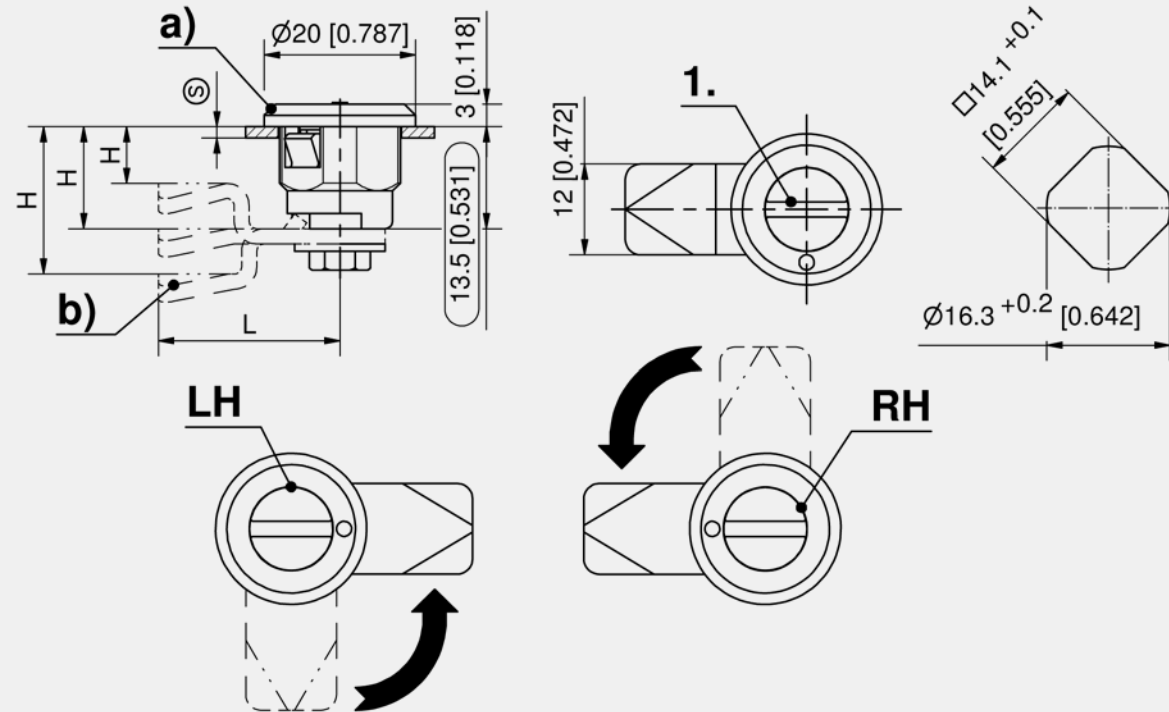
- Quarter-turn clipped in.
- Tool-less installation.
- Secure fixation in the cutout with 2 clip-in noses.
- RH / LH application.
- A pre-assembled quarter-turn can be installed in the cutout.

Materials

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

Remarks

(S) Door-thickness 0.8 to 1.5 mm
The quarter-turn can only be clipped into the cutout when it is open.
The 2 clip-in noses (refer to drawing) must be able to move inwards during installation.
Please configure the quarter-turn with a cam.
1. open position= delivery condition



Quarter-Turn housing with insert

	Part Number	Insert	Housing length	Installation type	Delivery Unit
a)	220-9701.00-00000	Slotted 2x4mm	13.5 mm	tool-less	10 pcs.

+	Accessories
b)	149 1-058 Cams for Quarter-Turn Pr14.1

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



all product details
on DIRAK.com

1-057



Advantages

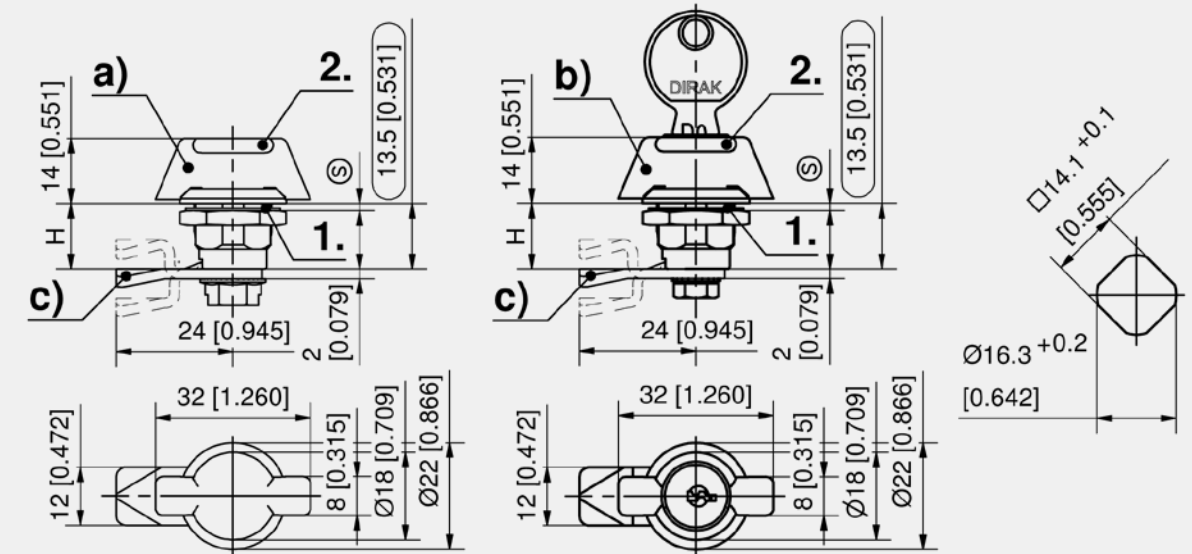
- For cutout 14.1, housing length 13.5, with cylinder.
- RH / LH application.
- A pre-assembled quarter-turn can be installed in the cutout.
- All locks supplied with two keys.
- Grounding by grounding nut.

Materials

- **Wing knob and housing**: zinc die, black or chrome plated

Remarks

(S) Door-thickness max. 2.5mm
Please configure the quarter-turn with insert and cam.
1. flat external seal
2. grab-collar



Quarter-Turn housing with knob

	Part Number	Latching type	Surface	Grounding type	Installation type	Delivery Unit
a)	220-9301.00-00000		chrome plated		screw-on	1 pc.
b)	220-9303.00-00000	keyed alike DIRAK 2233X	chrome plated		screw-on	1 pc.
b)	220-9305.00-00000	keyed different	chrome plated		screw-on	1 pc.
a)	220-9302.00-00000		chrome plated	Grounding nut	screw-on	1 pc.
b)	220-9304.00-00000	keyed alike DIRAK 2233X	chrome plated	Grounding nut	screw-on	1 pc.
b)	220-9306.00-00000	keyed different	chrome plated	Grounding nut	screw-on	1 pc.
a)	220-9307.00-00000		black		screw-on	1 pc.
b)	220-9309.00-00000	keyed alike DIRAK 2233X	black		screw-on	1 pc.
b)	220-9311.00-00000	keyed different	black		screw-on	1 pc.
a)	220-9308.00-00000		black	Grounding nut	screw-on	1 pc.
b)	220-9310.00-00000	keyed alike DIRAK 2233X	black	Grounding nut	screw-on	1 pc.
b)	220-9312.00-00000	keyed different	black	Grounding nut	screw-on	1 pc.

+	Accessories
c)	149 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



all product details
on DIRAK.com

1-056

Cylinder Quarter-Turn Pr14.1 L13.5

[1-053]



Advantages

- For cutout 14.1, housing length 13.5.
- With nut fixing.
- RH / LH application.
- A pre-assembled quarter-turn can be installed in the cutout.
- All locks supplied with two keys.
- Grounding by grounding nut.

Materials

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

Remarks

With firmly riveted cam - door-thickness (S) max. 3mm
With unassembled cam - door-thickness (S) max. 5mm.
1. nut
2. grounding nut

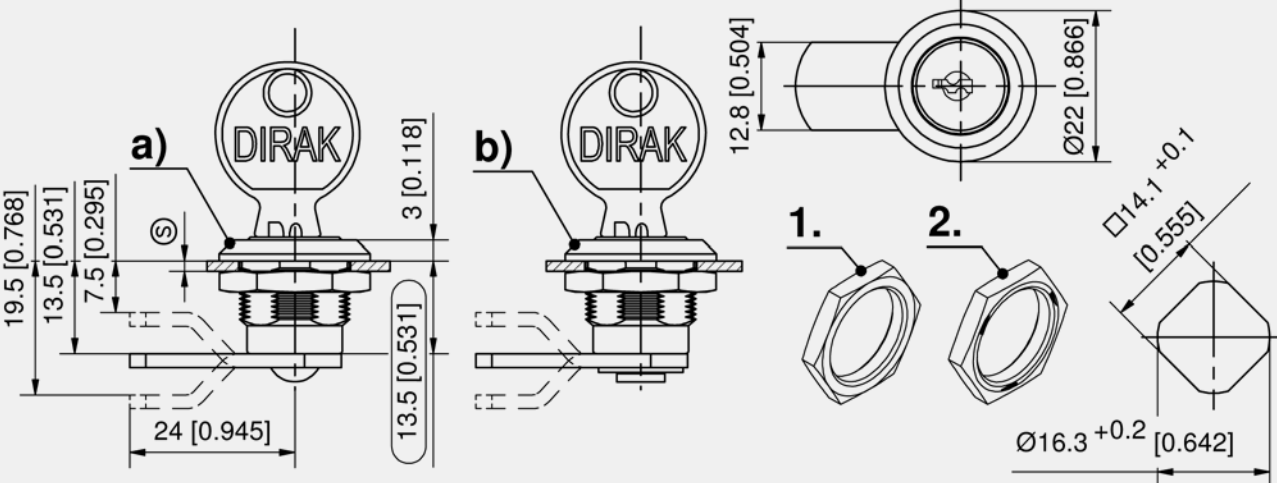
Cylinder quarter-turn, zinc die, cam riveted

	Part Number	Latching type	Surface	H-dimension	Installation type	Delivery Unit
a)	220-9207.00-00000	keyed alike DIRAK 2233X	chrome plated	7.5 mm	screw-on	1 pc.
a)	220-9208.00-00000	keyed alike DIRAK 2233X	chrome plated	13.5 mm	screw-on	1 pc.
a)	220-9209.00-00000	keyed alike DIRAK 2233X	chrome plated	19.5 mm	screw-on	1 pc.

Cylinder quarter-turn, cam fixed with c-clip

	Part Number	Latching type	Surface	H-dimension	Grounding type	Installation type	Delivery Unit
b)	220-9207.00-07200	keyed alike DIRAK 2233X	chrome plated	7.5 mm		screw-on	1 pc.
b)	220-9208.00-07200	keyed alike DIRAK 2233X	chrome plated	13.5 mm		screw-on	1 pc.
b)	220-9209.00-07200	keyed alike DIRAK 2233X	chrome plated	19.5 mm		screw-on	1 pc.
b)	220-9210.00-07200	keyed different	chrome plated	7.5 mm		screw-on	1 pc.
b)	220-9211.00-07200	keyed different	chrome plated	13.5 mm		screw-on	1 pc.
b)	220-9212.00-07200	keyed different	chrome plated	19.5 mm		screw-on	1 pc.
b)	220-9213.00-07200	keyed alike DIRAK 2233X	chrome plated	7.5 mm	Grounding nut	screw-on	1 pc.
b)	220-9214.00-07200	keyed alike DIRAK 2233X	chrome plated	13.5 mm	Grounding nut	screw-on	1 pc.
b)	220-9215.00-07200	keyed alike DIRAK 2233X	chrome plated	19.5 mm	Grounding nut	screw-on	1 pc.
b)	220-9216.00-07200	keyed different	chrome plated	7.5 mm	Grounding nut	screw-on	1 pc.
b)	220-9217.00-07200	keyed different	chrome plated	13.5 mm	Grounding nut	screw-on	1 pc.
b)	220-9218.00-07200	keyed different	chrome plated	19.5 mm	Grounding nut	screw-on	1 pc.
b)	220-9220.00-07200	keyed alike DIRAK 2233X	black	7.5 mm		screw-on	1 pc.
b)	220-9221.00-07200	keyed alike DIRAK 2233X	black	13.5 mm		screw-on	1 pc.
b)	220-9222.00-07200	keyed alike DIRAK 2233X	black	19.5 mm		screw-on	1 pc.
b)	220-9223.00-07200	keyed different	black	7.5 mm		screw-on	1 pc.
b)	220-9224.00-07200	keyed different	black	13.5 mm		screw-on	1 pc.
b)	220-9225.00-07200	keyed different	black	19.5 mm		screw-on	1 pc.

	Accessories
+	149 220-20LL.00-Hxxmm Cam, variable



Quarter-Turn L13.5 with Fixing Clip

[1-048]



Advantages

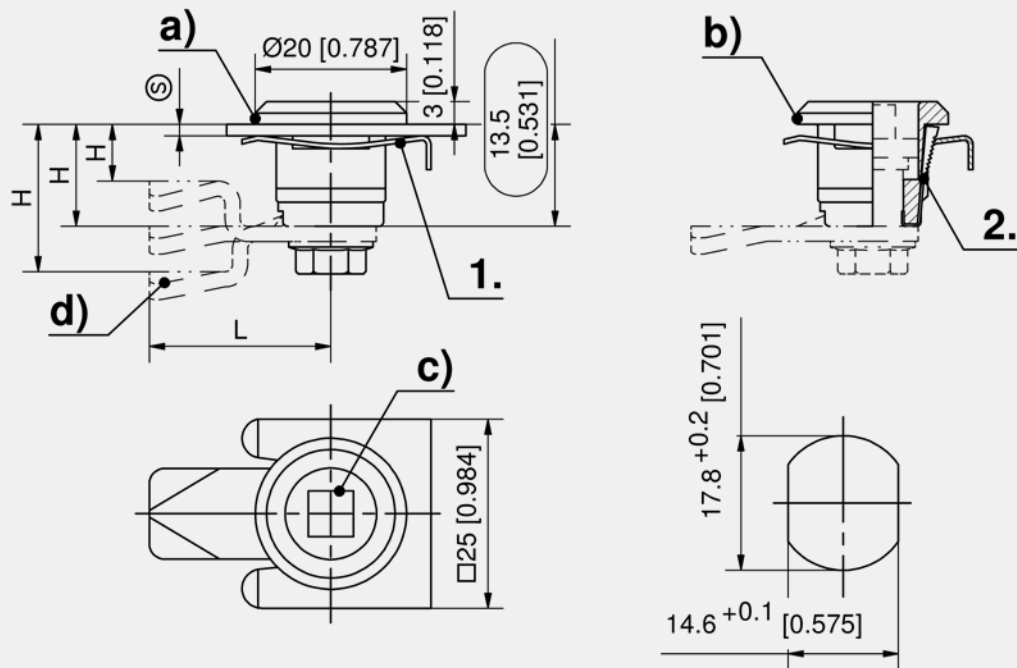
- Max. IP54.
- RH / LH application.
- On request parts can be assembled by DIRAK.
- A pre-assembled quarter-turn can be installed in the cutout.
- Grounding by grounding nut.

Materials

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

Remarks

- (S) Door-thickness max. 2.2mm
On LH doors the opening direction is clockwise.
Please configure the quarter-turn with insert and cam.
1. fixing clip
 2. grounding clip



Quarter-Turn housing

	Part Number	Material	Surface	Grounding type	Installation type	Delivery Unit
a)	220-9013.00-00000	zinc die	chrome plated		tool-less	10 pcs.
b)	220-9007.00-00000	zinc die	chrome plated	Grounding clip	tool-less	10 pcs.
a)	220-9501.00-00000	PA	black		tool-less	10 pcs.
b)	220-9503.00-00000	PA	black	Grounding clip	tool-less	10 pcs.

Accessories

- c) 148 1-059 Finger Pull and Inserts for Quarter-Turn Pr14.1
d) 149 1-058 Cams for Quarter-Turn Pr14.1
768 6-100 Wrench

Assembly options

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



all product details
on DIRAK.com

1-048

Cylinder Quarter-Turn L13.5 with Fixing Clip

[1-054]



Advantages

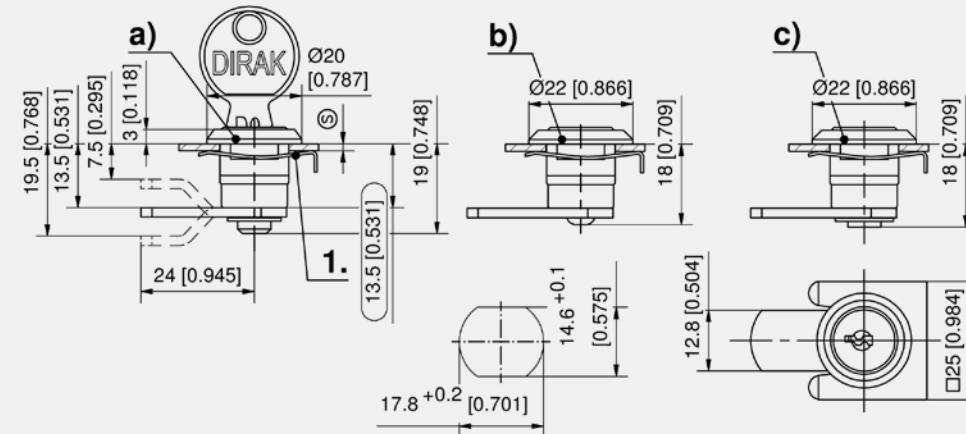
- PA-version is electrically insulated.
- RH / LH application.
- A pre-assembled quarter-turn can be installed in the cutout.
- All locks supplied with two keys.

Materials

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

Remarks

- (S) Door-thickness max. 2.2mm
1. fixing clip
Please note the cutout!



Cylinder quarter-turn, cam with fixing clip

	Part Number	Construction depth	Latching type	H-dimension	Material	Surface	Installation type	Delivery Unit
a)	220-9601.00-00000	19 mm	keyed alike DIRAK 2233X	7.5 mm	PA	black	tool-less	1 pc.
a)	220-9602.00-00000	19 mm	keyed alike DIRAK 2233X	13.5 mm	PA	black	tool-less	1 pc.
a)	220-9603.00-00000	19 mm	keyed alike DIRAK 2233X	19.5 mm	PA	black	tool-less	1 pc.
a)	220-9604.00-00000	19 mm	keyed different	7.5 mm	PA	black	tool-less	1 pc.
a)	220-9605.00-00000	19 mm	keyed different	13.5 mm	PA	black	tool-less	1 pc.
a)	220-9606.00-00000	19 mm	keyed different	19.5 mm	PA	black	tool-less	1 pc.
c)	220-9201.00-07200	18 mm	keyed alike DIRAK 2233X	7.5 mm	zinc die	chrome plated	tool-less	1 pc.
c)	220-9202.00-07200	18 mm	keyed alike DIRAK 2233X	13.5 mm	zinc die	chrome plated	tool-less	1 pc.
c)	220-9203.00-07200	18 mm	keyed alike DIRAK 2233X	19.5 mm	zinc die	chrome plated	tool-less	1 pc.
c)	220-9204.00-07200	18 mm	keyed different	7.5 mm	zinc die	chrome plated	tool-less	1 pc.
c)	220-9205.00-07200	18 mm	keyed different	13.5 mm	zinc die	chrome plated	tool-less	1 pc.
c)	220-9206.00-07200	18 mm	keyed different	19.5 mm	zinc die	chrome plated	tool-less	1 pc.

Cylinder quarter-turn, cam revited

	Part Number	Construction depth	Latching type	H-dimension	Material	Surface	Installation type	Delivery Unit
b)	220-9201.00-00000	18 mm	keyed alike DIRAK 2233X	7.5 mm	zinc die	chrome plated	tool-less	1 pc.
b)	220-9202.00-00000	18 mm	keyed alike DIRAK 2233X	13.5 mm	zinc die	chrome plated	tool-less	1 pc.
b)	220-9203.00-00000	18 mm	keyed alike DIRAK 2233X	19.5 mm	zinc die	chrome plated	tool-less	1 pc.
b)	220-9204.00-00000	18 mm	keyed different	7.5 mm	zinc die	chrome plated	tool-less	1 pc.
b)	220-9205.00-00000	18 mm	keyed different	13.5 mm	zinc die	chrome plated	tool-less	1 pc.
b)	220-9206.00-00000	18 mm	keyed different	19.5 mm	zinc die	chrome plated	tool-less	1 pc.

Accessories

- 149 1-058 Cams for Quarter-Turn Pr14.1



all product details
on DIRAK.com

1-054

Compression Latch Pr14.1

[1-045]



DIN 61373



IP 65



RoHS WEEE



Advantages

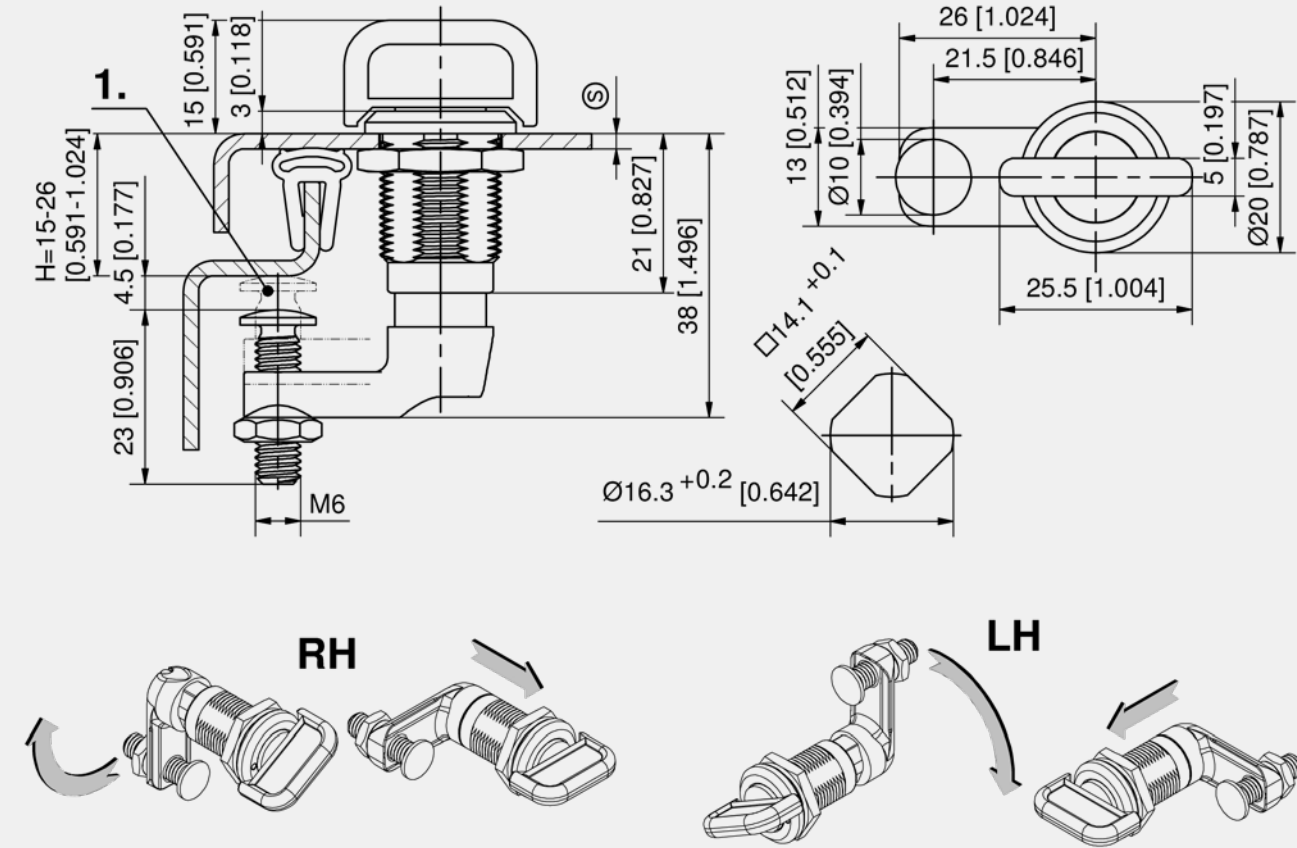
- 4.5mm compression.
- The closing process is always clockwise.
- By turning the insert 90° the cam is first put into closed position, by turning an additional 90°, the cam will be pulled towards the frame.
- The H-dimension can be easily adjusted by the adjusting screw.
- Vibration-proof according to DIN EN 61373.
- IP65 according to DIN EN 60529.
- RH / LH application.
- A pre-assembled quarter-turn can be fitted through the cutout.

Materials

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

Remarks

- (S) Door-thickness max. 12mm
- 1. adjusting screw



Compression Latch Pr20.1 L22/32

See page 60

Compression latch

Part Number	Insert	variable H-dimension	Construction depth	Installation type	Delivery Unit
220-9313.00-00000	Wing knob	15 - 26 mm	38 mm	screw-on	1 pc.
220-9317.00-00000	Slotted 2x4mm	15 - 26 mm	38 mm	screw-on	1 pc.
220-9318.00-00000	Socket hex.4mm	15 - 26 mm	38 mm	screw-on	1 pc.



DIN
61373

IP
65/67

15
Nm

RoHS
WEEE



Advantages

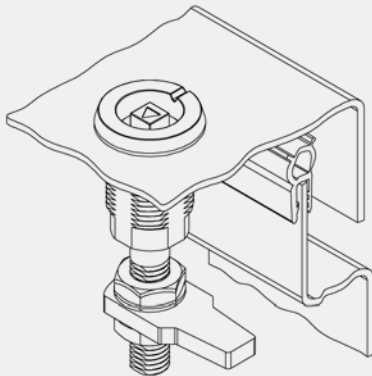
- Compression 7mm.
- Housing with marking.
- Vibration-proof according to DIN EN 61373.
- IP65/67 according to DIN EN 60529.
- H-dimension variably adjustable from 39.5mm to 56mm by included straight cam.
- H-dimension variably adjustable from 12mm to 83.5mm by cams x) or y).

Materials

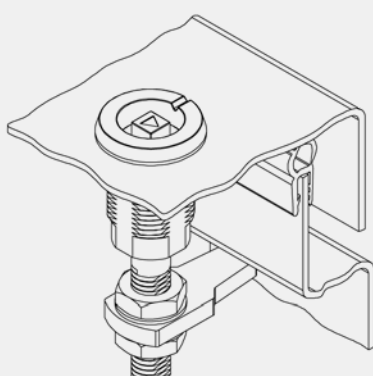
- **Housing and insert:** zinc die, black
- **Nut for attachment of the housing:** zinc die
- **Serrated washer, nut and square threaded rod:** steel, zinc plated

Remarks

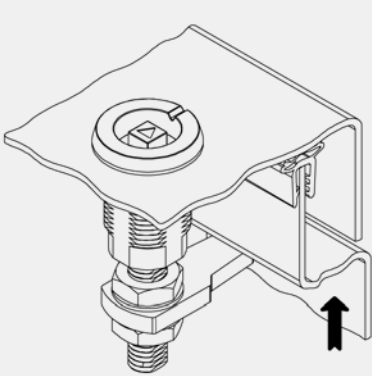
- (S) Door-thickness max. 18 mm
Inserts j) and k) (see drawing) on request.
1. NOT for IP65
 2. open



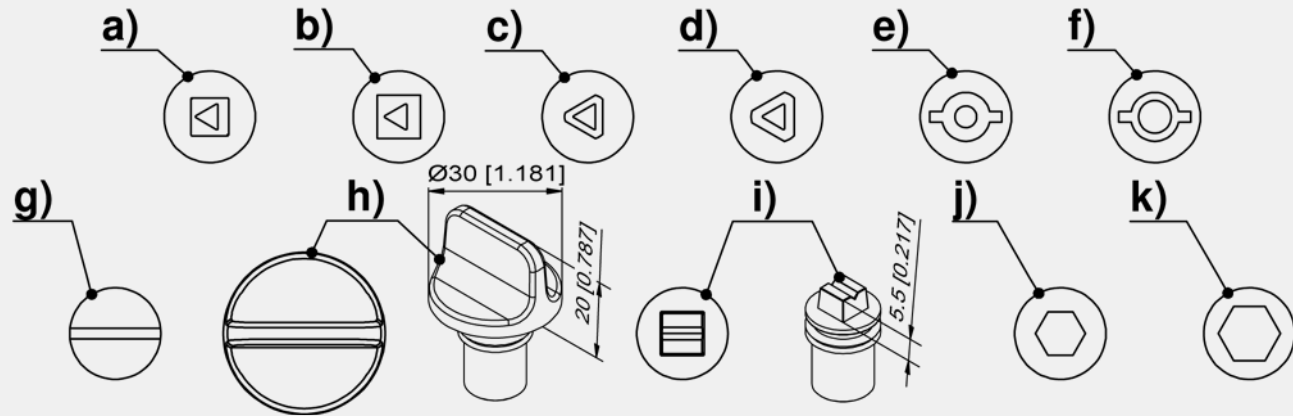
Open position



First 90° degree turn of the insert moves the cam behind the frame.



Second 90° degree turn pulls the cam 7mm against the frame compressing the seal. The door is latched and free of play.



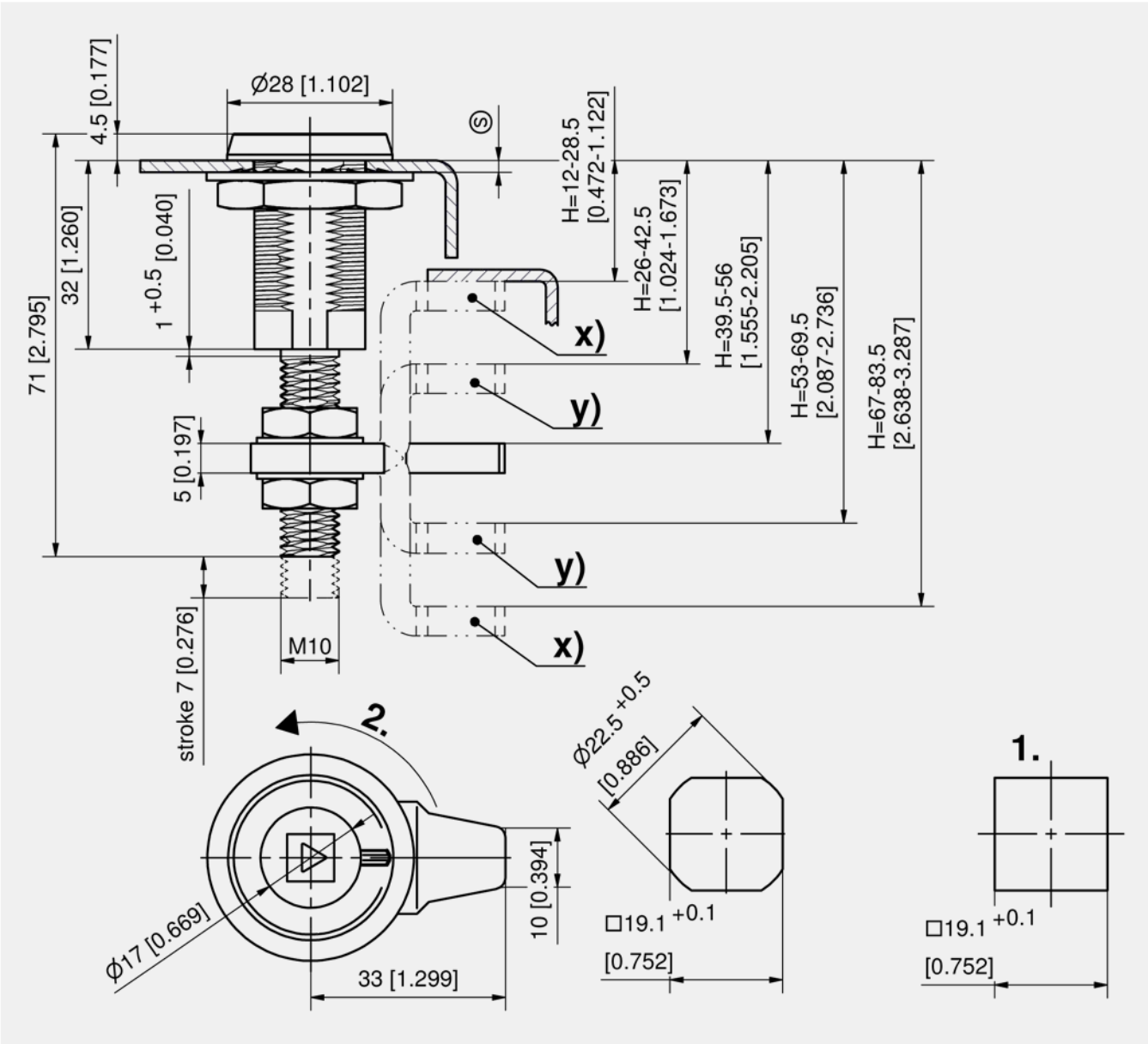
Compression latch with insert, version LH, closing right

	Part Number	Insert	Delivery Unit
a)	248-9752.00-00001	Square 7mm	25 pcs.
b)	248-9752.00-00002	Square 8mm	25 pcs.
c)	248-9752.00-00003	Triangular 7mm	25 pcs.
d)	248-9752.00-00004	Triangular 8mm	25 pcs.
e)	248-9752.00-00005	Double bit 3mm pin	25 pcs.
f)	248-9752.00-00006	Double bit 5mm pin	25 pcs.
g)	248-9752.00-00007	Slotted 2x4mm	25 pcs.
h)	248-9752.00-00010	Wing knob	25 pcs.
i)	248-9752.00-00019	Conical square 9mm	25 pcs.

Cam, L33

	Part Number	Bending	variable H-dimension negative	variable H-dimension positive	Delivery 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	
768	6-100 Wrench
766	6-101 Universal key





Advantages

- Flush safety quarter-turn for cutout Pr20.1.
- Completely closed housing surface.
- Vibration-proof according to DIN EN 61373 also at high sealing pressure, by built-in spring loaded link.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by single-sided grounding nut.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

- **Housing, insert and spring loaded link:** zinc die, matte chrome plated
- **O-ring and flat external seal:** NBR Perbunan, black
- **Nut and grounding nut:** zinc die, untreated
- **Serrated lock washer:** steel, zinc plated

Remarks

- (S) Door-thickness max. 8mm
- Completely pre-assembled **without** cam.
1. spring loaded link
 2. housing
 3. serrated lock washer
 4. flush, closed surface



Advantages

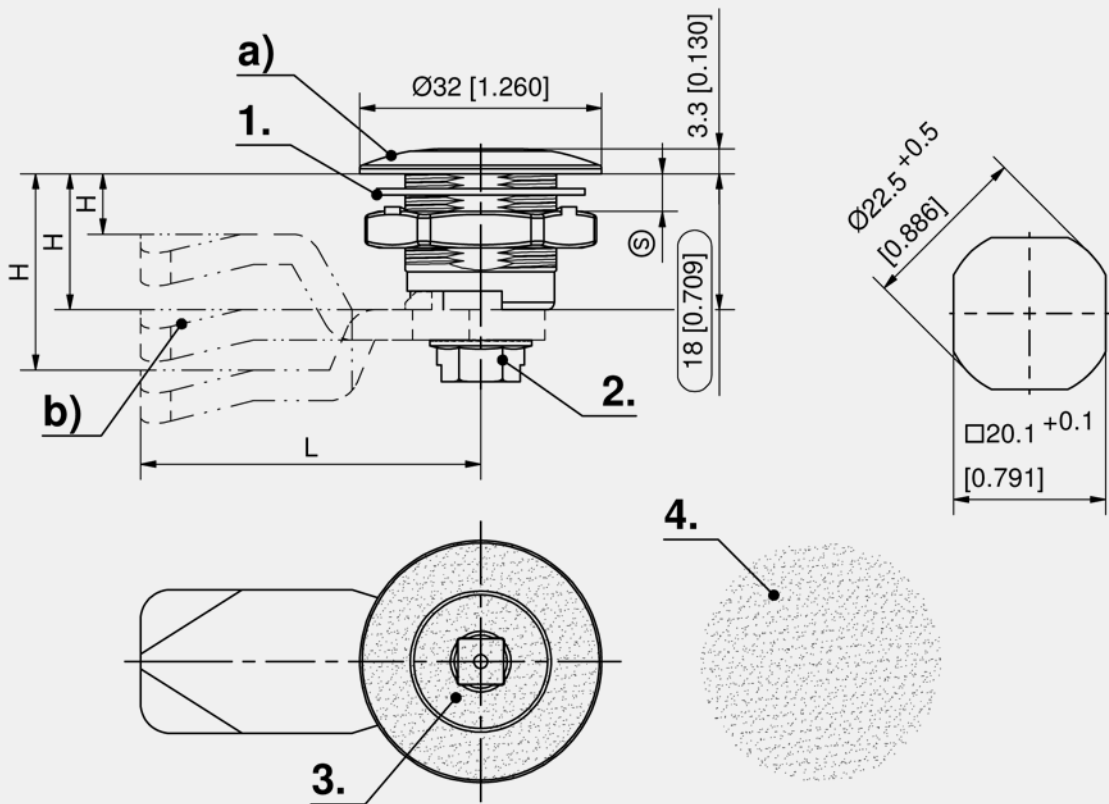
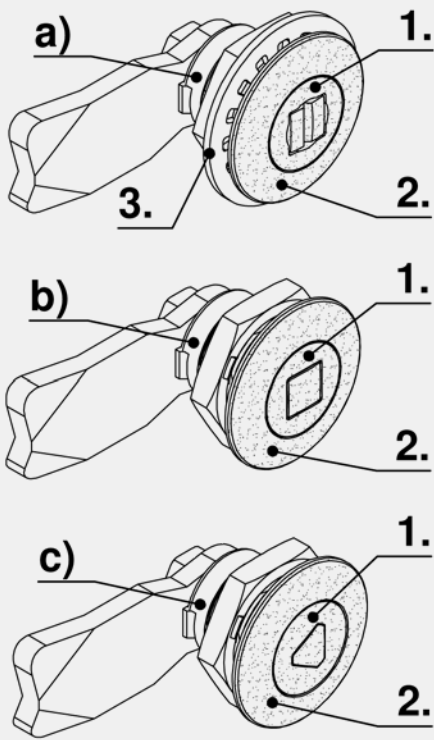
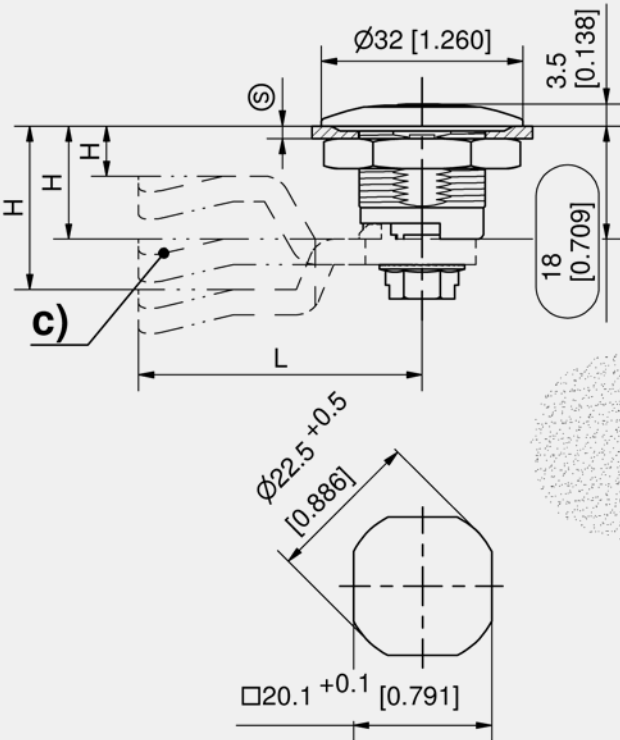
- Flat version.
- Fully closed external surface.
- Vibration-proof also at high sealing pressure.
- IP65 according to DIN EN 60529.
- RH / LH application.
- A pre-assembled quarter-turn can be inserted through the cutout.

Materials

- **Housing, insert, spring loaded link and nut:** AISI 316L
- **O-ring and flat external seal:** NBR Perbunan

Remarks

- (S) Door-thickness max. 8mm
- Attention:** 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
- Completely assembled **without** cam.



Safety quarter-turn with insert

	Part Number	Version	Insert	Installation type	Delivery Unit
a)	255-9812.00-00000	with serrated lock washer	Conical square 9mm	screw-on	10 pcs.
b)	255-9813.00-00000		Square 8mm	screw-on	10 pcs.
c)	255-9814.00-00000		Triangular 8mm	screw-on	10 pcs.

+	Accessories
d)	154, 292 1-102 Cams L35/45 Steel
d)	161 1-262 Cams variable
	768 6-100 Wrench
	766 6-101 Universal key
	770 6-105 Keys for the Railway Sector

Safety quarter-turn with insert

	Part Number	Insert	Installation type	Delivery Unit
a)	255-9427.00-00000	Square 6mm	screw-on	1 pc.

+	Accessories
b)	156 7-105 Cams L35/45 Stainless Steel
	768 6-100 Wrench





Advantages

- For cutout Pr20.1.
- Completely closed housing surface.
- Operation not possible without an appropriate key. (only keys form A, B, C or D of 6-100).
- The double bit key is captive in open position, pull-off force max. 300N.
- Vibration-proof also at high sealing pressure through an integrated latch.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by single-sided grounding nut.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

- **Housing:** zinc die, black or chrome plated
- **Spring loaded link, escutcheon and insert:** zinc die, chrome plated

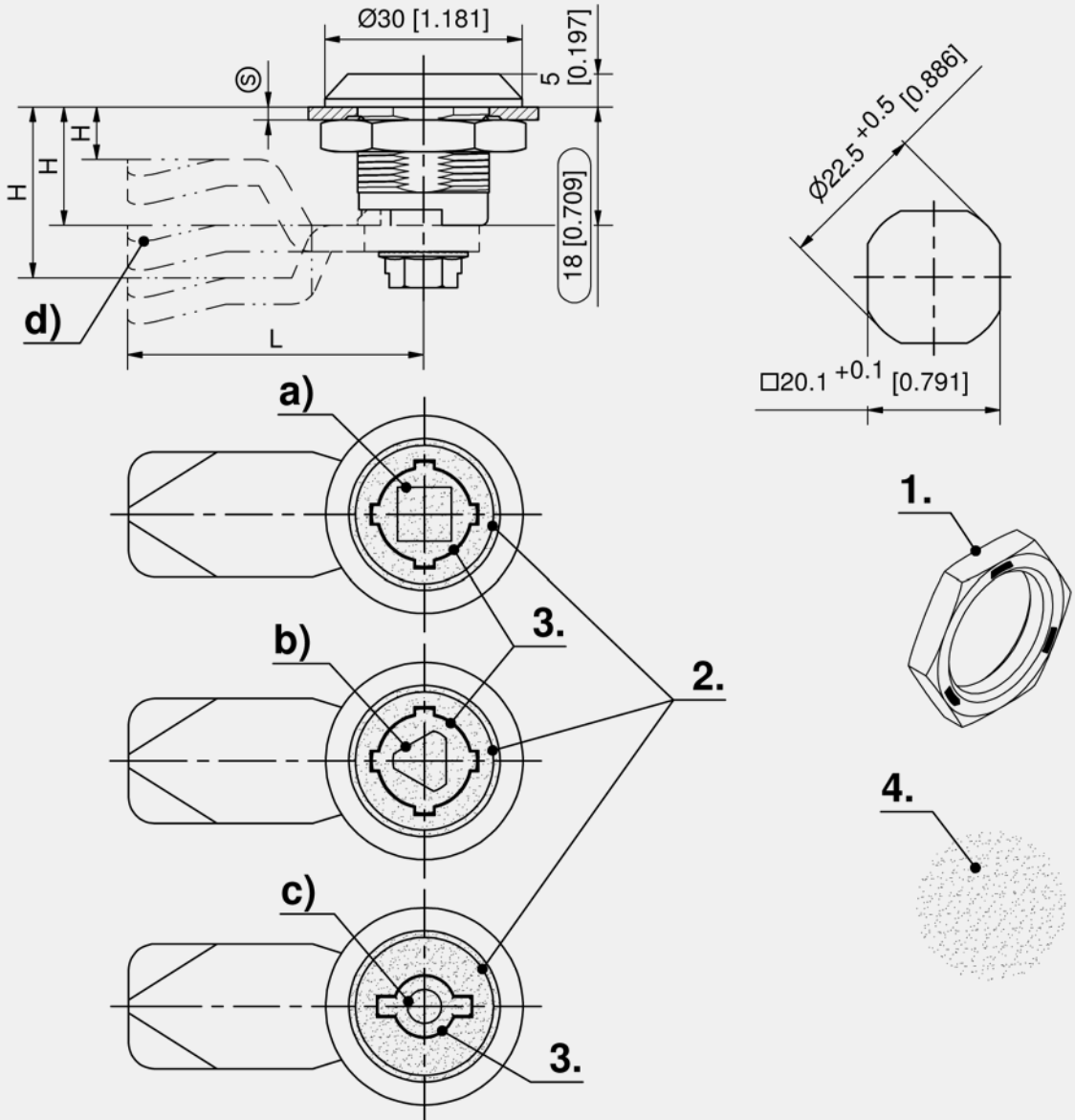
Remarks

- (S) Door-thickness max. 8mm
Completely pre-assembled **without** cam.
- Attention! Also the black version always has the spring loaded link, escutcheon and insert in chrome plated.
1. single-sided grounding nut
 2. escutcheon
 3. spring loaded link
 4. flush, closed surface

Safety quarter-turn, zinc die

	Part Number	Surface	Version	Insert	Installation type	Delivery Unit
a)	255-9801.00-00000	chrome plated	RH / LH	Square 6mm	screw-on	10 pcs.
a)	255-9802.00-00000	chrome plated	RH / LH	Square 7mm	screw-on	10 pcs.
a)	255-9803.00-00000	chrome plated	RH / LH	Square 8mm	screw-on	10 pcs.
b)	255-9806.00-00000	chrome plated	RH / LH	Triangular 6.5mm CNOMO	screw-on	10 pcs.
b)	255-9804.00-00000	chrome plated	RH / LH	Triangular 7mm	screw-on	10 pcs.
b)	255-9805.00-00000	chrome plated	RH / LH	Triangular 8mm	screw-on	10 pcs.
c)	255-9807.00-00000	chrome plated	RH version	Double bit 3mm pin	screw-on	10 pcs.
c)	255-9808.00-00000	chrome plated	LH version	Double bit 3mm pin	screw-on	10 pcs.
c)	255-9809.00-00000	chrome plated	RH version	Double bit 5mm pin	screw-on	10 pcs.
c)	255-9810.00-00000	chrome plated	LH version	Double bit 5mm pin	screw-on	10 pcs.
a)	255-9851.00-00000	black	RH / LH	Square 6mm	screw-on	10 pcs.
a)	255-9852.00-00000	black	RH / LH	Square 7mm	screw-on	10 pcs.
a)	255-9853.00-00000	black	RH / LH	Square 8mm	screw-on	10 pcs.
b)	255-9854.00-00000	black	RH / LH	Triangular 7mm	screw-on	10 pcs.
b)	255-9855.00-00000	black	RH / LH	Triangular 8mm	screw-on	10 pcs.
b)	255-9856.00-00000	black	RH / LH	Triangular 6.5mm CNOMO	screw-on	10 pcs.
c)	255-9857.00-00000	black	RH version	Double bit 3mm pin	screw-on	10 pcs.
c)	255-9858.00-00000	black	LH version	Double bit 3mm pin	screw-on	10 pcs.
c)	255-9859.00-00000	black	RH version	Double bit 5mm pin	screw-on	10 pcs.
c)	255-9860.00-00000	black	LH version	Double bit 5mm pin	screw-on	10 pcs.

	Accessories
d)	154, 292 1-102 Cams L35/45 Steel
d)	161 1-262 Cams variable
	768 6-100 Wrench
	766 6-101 Universal key
	Assembly options
	200-0001.00-00000 Assembling cam without o-ring





Advantages

- Flush safety quarter-turn for cutout 32x20mm.
- Rectangular cutout guarantees a perfect alignment.
- Completely closed housing surface.
- The double bit key is captive in open position according to DIN 43668. Pull-off force max. 300N.
- Vibration-proof also at high sealing pressure through an integrated latch.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding clip (optional).
- The quarter-turn can be snapped-in as a completely pre-assembled unit.
- Blind installation in closed profiles.

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

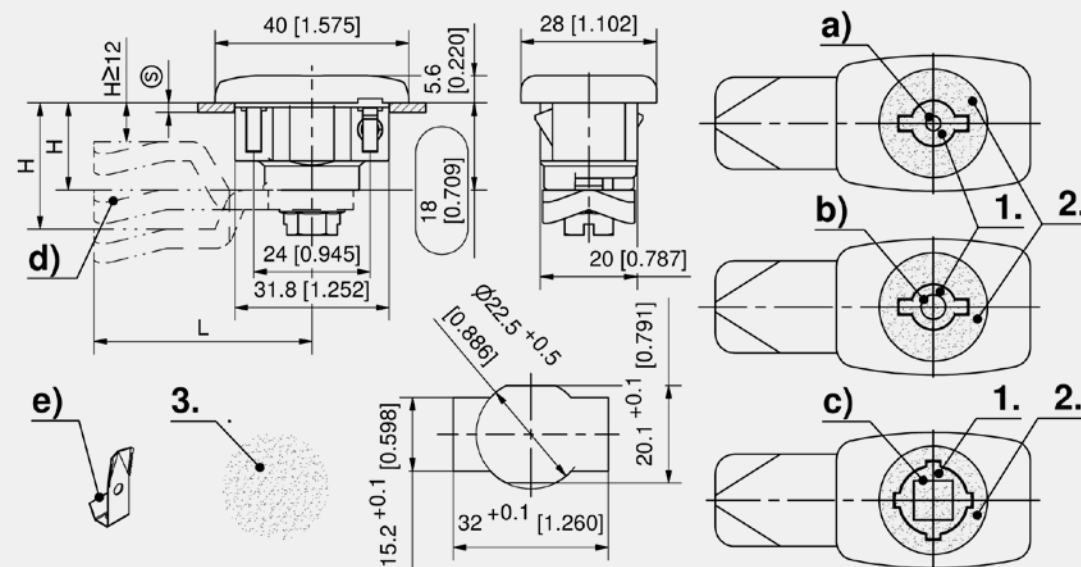
Remarks

ATTENTION: H-dimension of the cam not less than 12mm!

1. spring loaded link
2. escutcheon
3. flush, closed surface

Completely pre-assembled
without cam.

Operation not possible without an appropriate key. (only keys form A, B, C or D of 6-100).



Safety quarter-turn with insert

	Part Number	Insert	Clamping range (S)	Installation type	Delivery Unit
a)	455-9001.00-00013	Double bit 3mm pin	1.0 - 1.7 mm	tool-less	10 pcs.
a)	455-9001.00-00018	Double bit 3mm pin	1.5 - 2.2 mm	tool-less	10 pcs.
a)	455-9001.00-00026	Double bit 3mm pin	2.3 - 3.0 mm	tool-less	10 pcs.
b)	455-9002.00-00013	Double bit 5mm pin	1.0 - 1.7 mm	tool-less	10 pcs.
b)	455-9002.00-00018	Double bit 5mm pin	1.5 - 2.2 mm	tool-less	10 pcs.
b)	455-9002.00-00026	Double bit 5mm pin	2.3 - 3.0 mm	tool-less	10 pcs.
c)	455-9004.00-00013	Square 8mm	1.0 - 1.7 mm	tool-less	10 pcs.
c)	455-9004.00-00018	Square 8mm	1.5 - 2.2 mm	tool-less	10 pcs.
c)	455-9004.00-00026	Square 8mm	2.3 - 3.0 mm	tool-less	10 pcs.

	Accessories
d)	154, 292 1-102 Cams L35/45 Steel
d)	161 1-262 Cams variable
d)	175, 295 2-151 2-, 3- and 4-Point Cam Adapter
	768 6-100 Wrench
	766 6-101 Universal key
	Function extension
e)	200-1101.04-00000 Grounding clip



Advantages

- Safety quarter-turn, vibration-proof also at high sealing pressure through an integrated latch.
- Completely closed surface.
- Closing rotation 90°.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by single grounding nut.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.
- The double bit key is captive in open position according to DIN 43668, pull-off force max. 300N

Materials

- **Housing, insert, escutcheon and spring loaded link:** AISI 316
- **Pin:** AISI 303
- **O-ring:** NBR

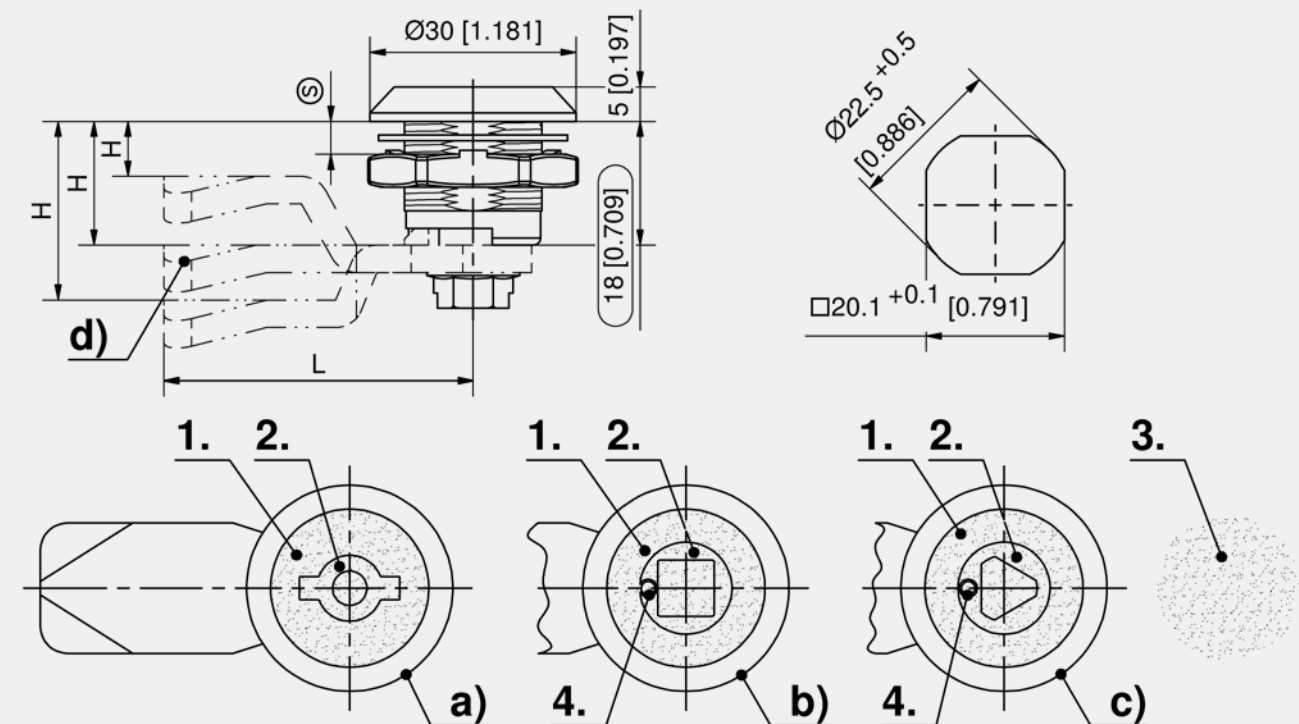
Remarks

(S) Door-thickness max. 8mm

Completely pre-assembled
without cam.

1. escutcheon
2. spring loaded link
3. flush, closed surface
4. position cam in the direction of marking

Operation not possible without an appropriate key (only keys form A, B, C or D of 6-100).



Safety quarter-turn with insert

	Part Number	Version	Insert	Installation type	Delivery Unit
a)	255-9429.00-00000	RH version	Double bit 3mm pin	screw-on	1 pc.
a)	255-9430.00-00000	LH version	Double bit 3mm pin	screw-on	1 pc.
a)	255-9409.00-00000	RH version	Double bit 5mm pin	screw-on	1 pc.
a)	255-9410.00-00000	LH version	Double bit 5mm pin	screw-on	1 pc.
b)	255-9402.00-00000	RH / LH	Square 7mm	screw-on	1 pc.
b)	255-9403.00-00000	RH / LH	Square 8mm	screw-on	1 pc.
c)	255-9405.00-00000	RH / LH	Triangular 8mm	screw-on	1 pc.

		Accessories	
d)	161	1-262	Cams variable
d)	156	7-105	Cams L35/45 Stainless Steel
	768	6-100	Wrench
	766	6-101	Universal key

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





Advantages

- For cutout Pr20.1.
- Operation not possible without an appropriate key.
- The key is removable in 90° steps.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

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

Remarks

- (S) Door-thickness max. 8mm
Completely pre-assembled **without** cam.
1. escutcheon
 2. grounding nut



Advantages

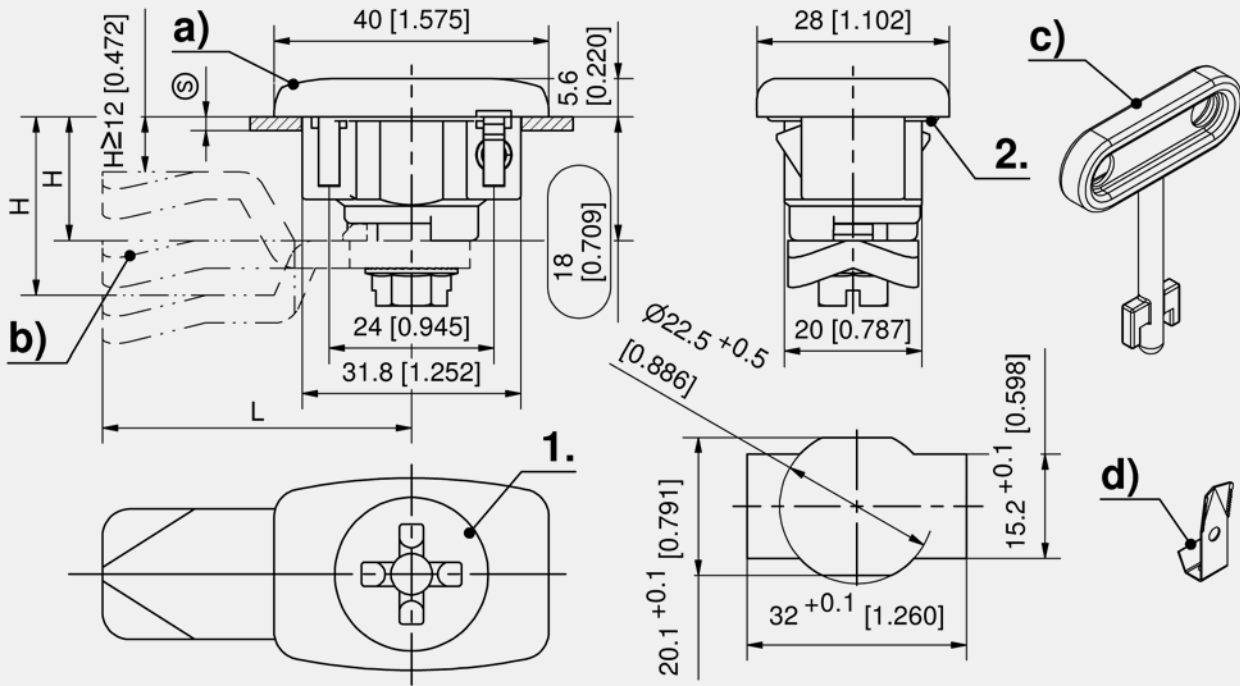
- Flush quarter-turn for cutout 32x20mm.
- Rectangular cutout guarantees a perfect alignment.
- Operation not possible without an appropriate key.
- The key is removable in 90° steps.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding clip (optional).
- The quarter-turn can be snapped-in as a completely pre-assembled unit.
- Installation tool-less and vibration-proof.
- Blind installation in closed profiles.

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 12mm
Completely pre-assembled **without** cam.
1. escutcheon
 2. o-ring



Quarter-Turn with FIAT insert

	Part Number	Clamping range (S)	Installation type	Delivery Unit
a)	455-9003.00-00013	1.0 - 1.7 mm	tool-less	10 pcs.
a)	455-9003.00-00018	1.5 - 2.2 mm	tool-less	10 pcs.
a)	455-9003.00-00026	2.3 - 3.0 mm	tool-less	10 pcs.

+	Accessories	*	Function extension
b)	154, 292 1-102 Cams L35/45 Steel	d)	200-1101.04-00000 Grounding clip
b)	161 1-262 Cams variable		
b)	175, 295 2-151 2-, 3- and 4-Point Cam Adapter		
+	Specific accessories		
c)	769 204-0302.42-00000 FIAT key		

Quarter-Turn with FIAT insert

	Part Number	Surface	Installation type	Delivery Unit
a)	255-9811.00-00000	chrome plated	screw-on	10 pcs.
a)	255-9861.00-00000	black	screw-on	10 pcs.

+	Accessories
b)	154, 292 1-102 Cams L35/45 Steel
b)	161 1-262 Cams variable
b)	175, 295 2-151 2-, 3- and 4-Point Cam Adapter

+	Specific accessories
c)	769 204-0302.42-00000 FIAT key



Compression Latch Pr20.1

[1-070]



Advantages

- For application outside sealed area.
- Compression 4.5mm.
- Matching dots mark the final position (see lower drawing).
- 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.
- Vibration-proof according to DIN EN 61373.
- RH / LH application.

Materials

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

Remarks

- (S) Door-thickness 1.5 to 2.2mm
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.

Compression Latch Pr20.1

[1-071]



Advantages

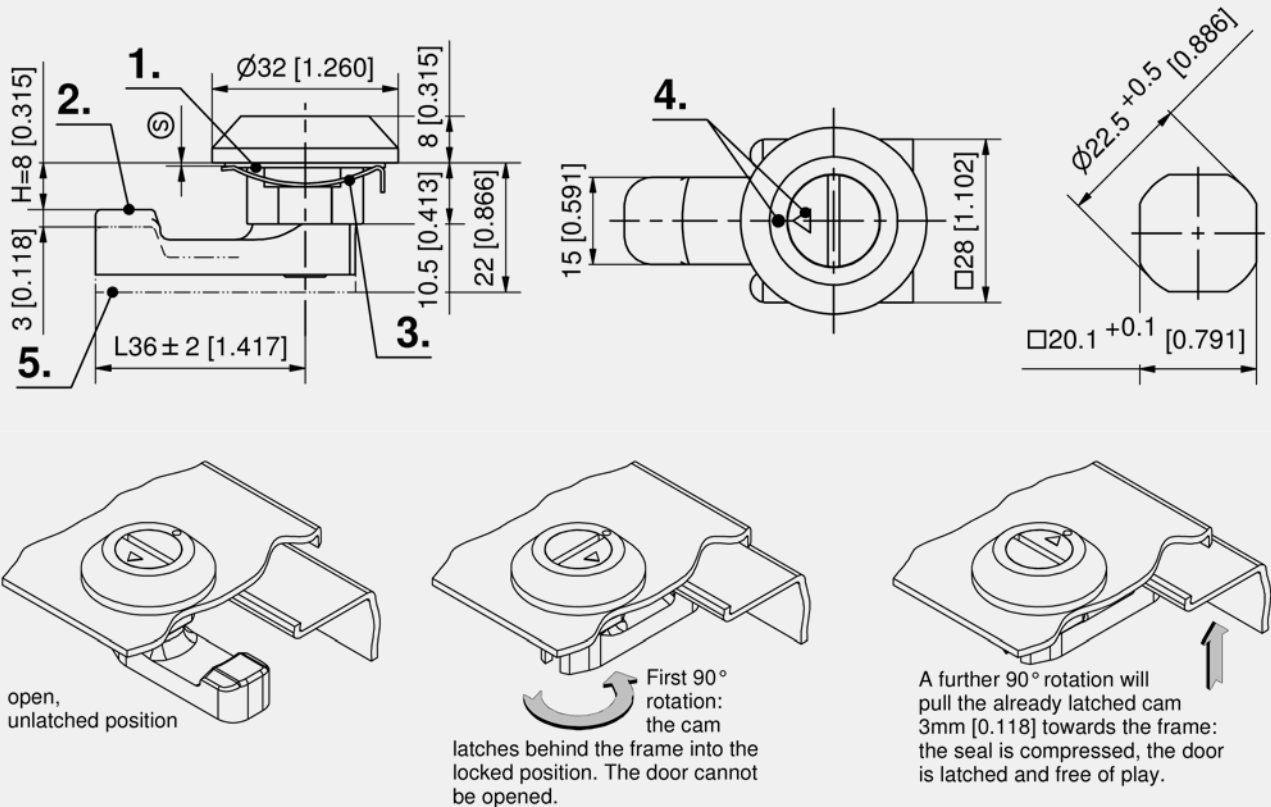
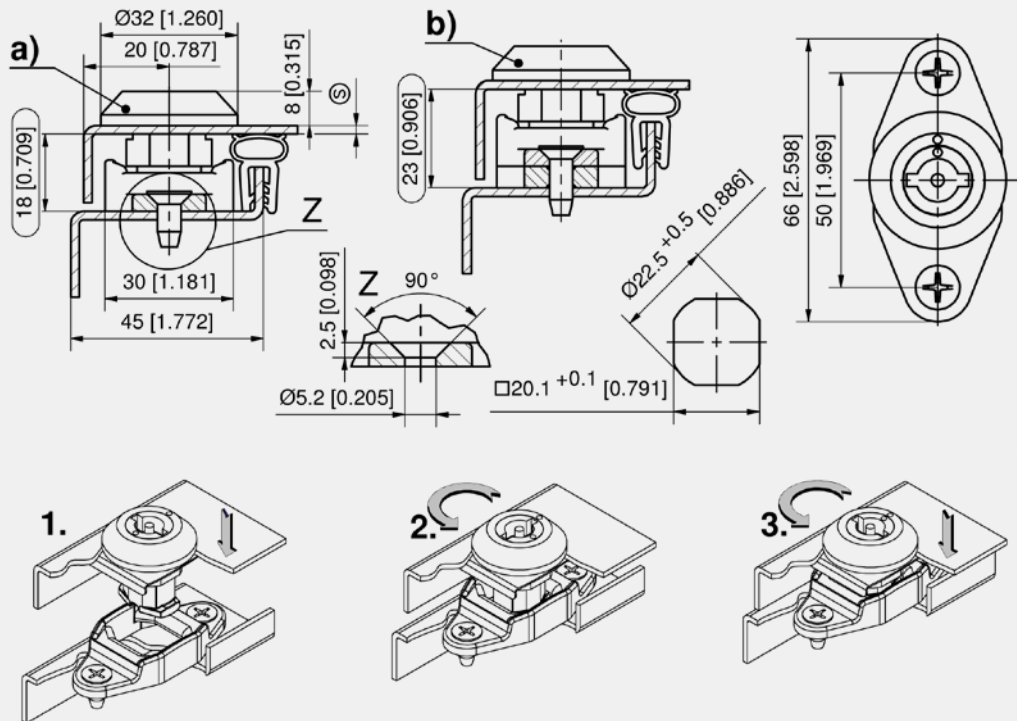
- Compression 3mm.
- Low construction height of 22mm.
- Marking on the casing top indicates the final position.
- Vibration-proof.
- IP65 according to DIN EN 60529.
- Fixed cam H-dimension 8mm, L36mm.
- Tool-less installation with a spring clip.
- A pre-assembled quarter-turn can be installed through the cutout.

Materials

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

Remarks

- (S) Door-thickness max. 2mm
1. flat external seal
 2. ramp 1.5mm
 3. fastening clip
 4. markings
 5. stroke



Compression latch

	Part Number	Bending	Insert	Installation type	Delivery Unit
a)	291-9005.00-00000	18 mm	Double bit 3mm pin	screw-on	10 pcs.
a)	291-9001.00-00000	18 mm	Double bit 5mm pin	screw-on	10 pcs.
a)	291-9004.00-00000	18 mm	Triangular 8mm	screw-on	10 pcs.
a)	291-9002.00-00000	18 mm	Square 8mm	screw-on	10 pcs.
a)	291-9003.00-00000	18 mm	Slotted 2x4mm	screw-on	10 pcs.
b)	291-9011.00-00000	23 mm	Double bit 3mm pin	screw-on	10 pcs.
b)	291-9007.00-00000	23 mm	Double bit 5mm pin	screw-on	10 pcs.
b)	291-9010.00-00000	23 mm	Triangular 8mm	screw-on	10 pcs.
b)	291-9008.00-00000	23 mm	Square 8mm	screw-on	10 pcs.
b)	291-9009.00-00000	23 mm	Slotted 2x4mm	screw-on	10 pcs.

	Accessories
+	768 6-100 Wrench
+	766 6-101 Universal key

Compression latch, version LH, closing right

Part Number	Insert	Construction depth opened	Installation type	Delivery Unit
291-9102.00-00000	Slotted 2x4mm	22 mm	tool-less	10 pcs.

	Accessories
+	769 204-0409.03-00000 Hollow key, (logo both sides)





Advantages

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

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

Compression latch with insert, version RH, closing left

Part Number	H-dimension	Insert	Installation type	Delivery Unit
248-9303.00-00022	22 mm	Square 8mm	screw-on	1 pc.
248-9303.00-00024	24 mm	Square 8mm	screw-on	1 pc.
248-9303.00-00026	26 mm	Square 8mm	screw-on	1 pc.
248-9303.00-00028	28 mm	Square 8mm	screw-on	1 pc.
248-9303.00-00038	38 mm	Square 8mm	screw-on	1 pc.
248-9308.00-00022	22 mm	Triangular 8mm	screw-on	1 pc.
248-9308.00-00024	24 mm	Triangular 8mm	screw-on	1 pc.
248-9308.00-00026	26 mm	Triangular 8mm	screw-on	1 pc.
248-9308.00-00028	28 mm	Triangular 8mm	screw-on	1 pc.
248-9308.00-00038	38 mm	Triangular 8mm	screw-on	1 pc.

Compression latch with insert, version LH, closing right

Part Number	H-dimension	Insert	Installation type	Delivery Unit
248-9353.00-00022	22 mm	Square 8mm	screw-on	1 pc.
248-9353.00-00024	24 mm	Square 8mm	screw-on	1 pc.
248-9353.00-00026	26 mm	Square 8mm	screw-on	1 pc.
248-9353.00-00028	28 mm	Square 8mm	screw-on	1 pc.
248-9353.00-00038	38 mm	Square 8mm	screw-on	1 pc.
248-9358.00-00022	22 mm	Triangular 8mm	screw-on	1 pc.
248-9358.00-00024	24 mm	Triangular 8mm	screw-on	1 pc.
248-9358.00-00026	26 mm	Triangular 8mm	screw-on	1 pc.
248-9358.00-00028	28 mm	Triangular 8mm	screw-on	1 pc.
248-9358.00-00038	38 mm	Triangular 8mm	screw-on	1 pc.

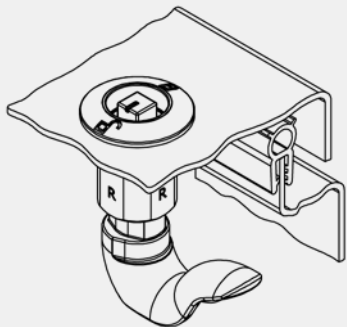
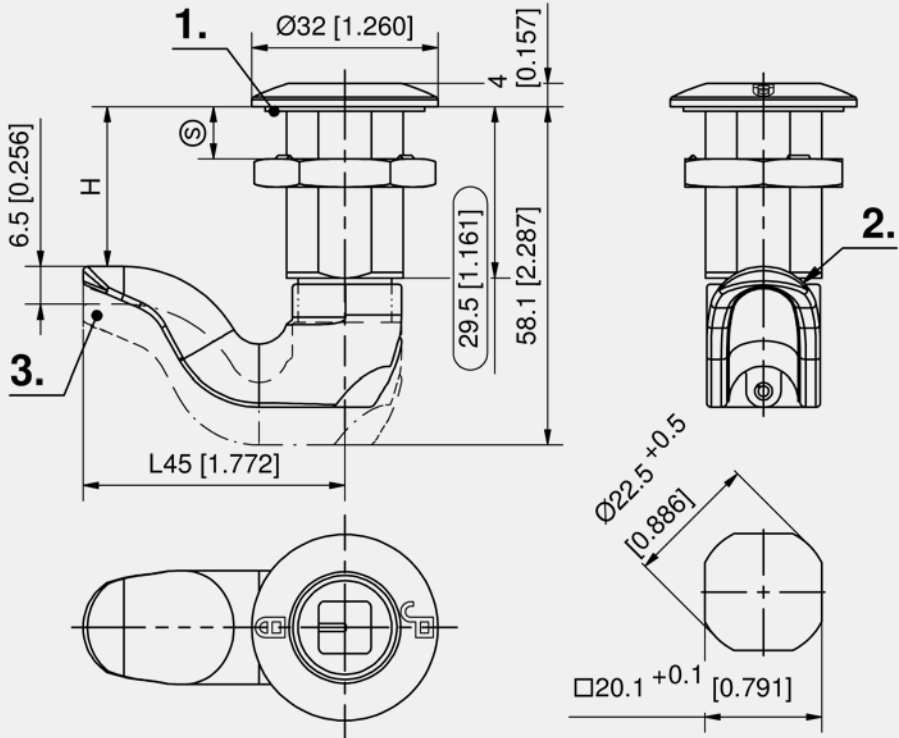
Compression latch with insert and washer, version RH, closing left

Part Number	H-dimension	Insert	Installation type	Delivery Unit
248-9309.00-00022	22 mm	Conical square 9mm	screw-on	1 pc.
248-9309.00-00024	24 mm	Conical square 9mm	screw-on	1 pc.
248-9309.00-00026	26 mm	Conical square 9mm	screw-on	1 pc.
248-9309.00-00028	28 mm	Conical square 9mm	screw-on	1 pc.
248-9309.00-00038	38 mm	Conical square 9mm	screw-on	1 pc.

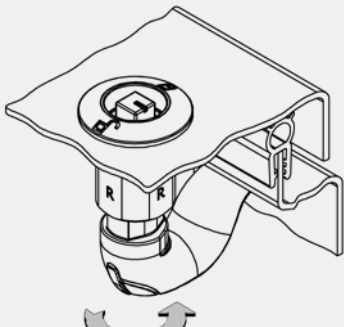
Compression latch with insert and washer, version LH, closing right

Part Number	H-dimension	Insert	Installation type	Delivery Unit
248-9359.00-00022	22 mm	Conical square 9mm	screw-on	1 pc.
248-9359.00-00024	24 mm	Conical square 9mm	screw-on	1 pc.
248-9359.00-00026	26 mm	Conical square 9mm	screw-on	1 pc.
248-9359.00-00028	28 mm	Conical square 9mm	screw-on	1 pc.
248-9359.00-00038	38 mm	Conical square 9mm	screw-on	1 pc.

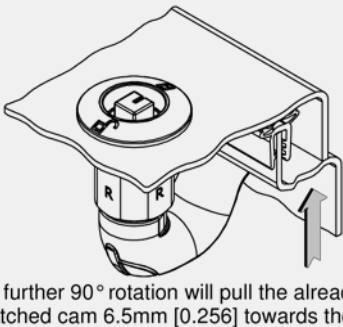
Accessories	
170	1-270 Dust Caps and Sealing Plug Pr20.1
768	6-100 Wrench
766	6-101 Universal key
770	6-105 Keys for the Railway Sector
169	200-4601.00-00000 Anti-rotation device
169	200-4601.02-00000 Anti-rotation device
169	800-0064.00-00000 Serrated lock washer
169	840-6798.00-00023 Serrated lock washer



open, unlatched position



First 90° rotation: the frame is moved 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.





Advantages

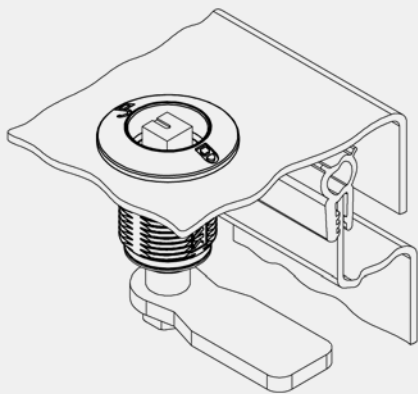
- Compression 6mm.
- Flat head shape.
- The coloured marking on the casing top indicates the opened/closed position in form of a padlock.
- Inserts with coloured marking.
- Vibration-proof according to DIN EN 61373.
- IP65/67 according to DIN EN 60529.
- RH and LH version.
- The H-dimension can be varied via the cranking of the cams.
- Grounding by grounding nut.

Materials

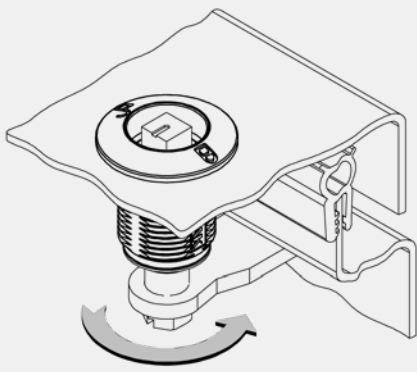
- **Housing, insert:** zinc die, chrome plated glossy or black matte, E-coated
- **Axis, nut:** steel, zinc plated
- **Grounding nut:** zinc die, untreated

Remarks

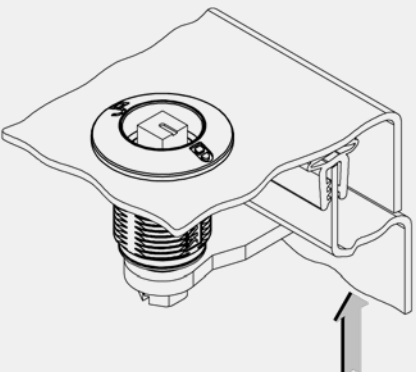
- (S) Door-thickness max. 22mm
Please configure the quarter-turn with a cam.
Negatively bent cams can **not** be installed pre-assembled.
1. compression 6mm
 2. foamed sealing PUR



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.

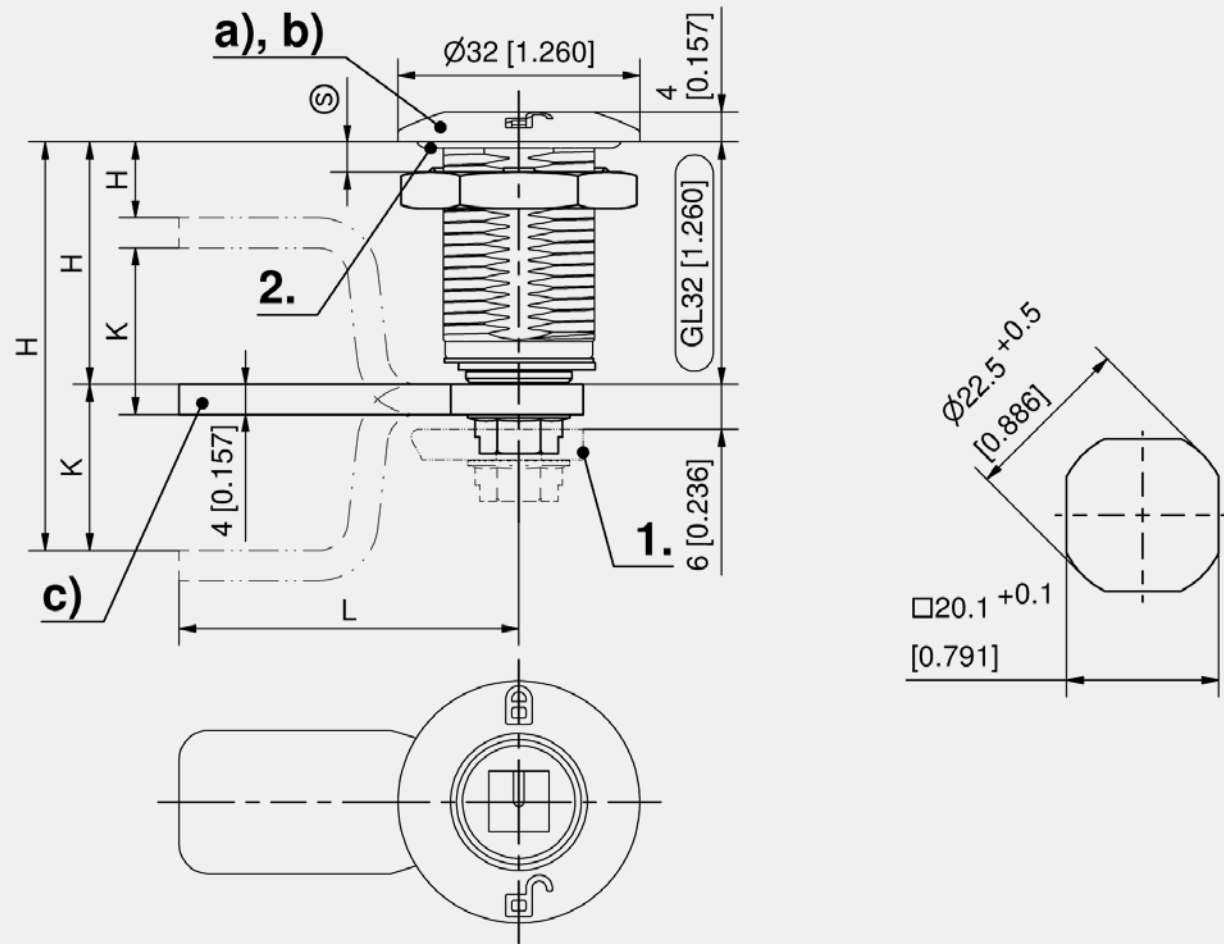
Compression latch with insert, version RH, closing left

	Part Number	Surface	Insert	Grounding type	Installation type	Delivery Unit
a)	248-9802.01-01201	chrome plated	Square 8mm	Grounding nut	screw-on	1 pc.
a)	248-9862.03-01201	black	Square 8mm		screw-on	1 pc.
a)	248-9803.01-01201	chrome plated	Double bit 3mm pin	Grounding nut	screw-on	1 pc.
a)	248-9804.01-01201	chrome plated	Double bit 5mm pin	Grounding nut	screw-on	1 pc.
a)	248-9807.01-01201	chrome plated	Triangular 8mm	Grounding nut	screw-on	1 pc.
a)	248-9808.01-01201	chrome plated	Conical square 9mm	Grounding nut	screw-on	1 pc.
a)	248-9868.03-01201	black	Conical square 9mm		screw-on	1 pc.

Compression latch with insert, version LH, closing right

	Part Number	Surface	Insert	Grounding type	Installation type	Delivery Unit
b)	248-9802.01-02201	chrome plated	Square 8mm	Grounding nut	screw-on	1 pc.
b)	248-9862.03-02201	black	Square 8mm		screw-on	1 pc.
b)	248-9803.01-02201	chrome plated	Double bit 3mm pin	Grounding nut	screw-on	1 pc.
b)	248-9804.01-02201	chrome plated	Double bit 5mm pin	Grounding nut	screw-on	1 pc.
b)	248-9807.01-02201	chrome plated	Triangular 8mm	Grounding nut	screw-on	1 pc.
b)	248-9808.01-02201	chrome plated	Conical square 9mm	Grounding nut	screw-on	1 pc.
b)	248-9868.03-02201	black	Conical square 9mm		screw-on	1 pc.

Accessories						
c)	158	1-102.01	Cams L45 Steel			
	768	6-100	Wrench			
	766	6-101	Universal key			
	770	6-105	Keys for the Railway Sector			
	170	200-4103.00-00000	Dust cap			
	169	200-4601.00-00000	Anti-rotation device			
	169	200-4601.02-00000	Anti-rotation device			



Compression Latch Pr20.1 L22/32 Stainless Steel [7-078]

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IP
65/67

IP
69K

15
Nm

RoHS
WEEE



Advantages

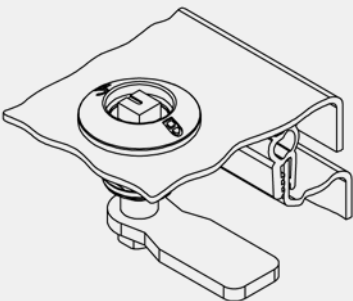
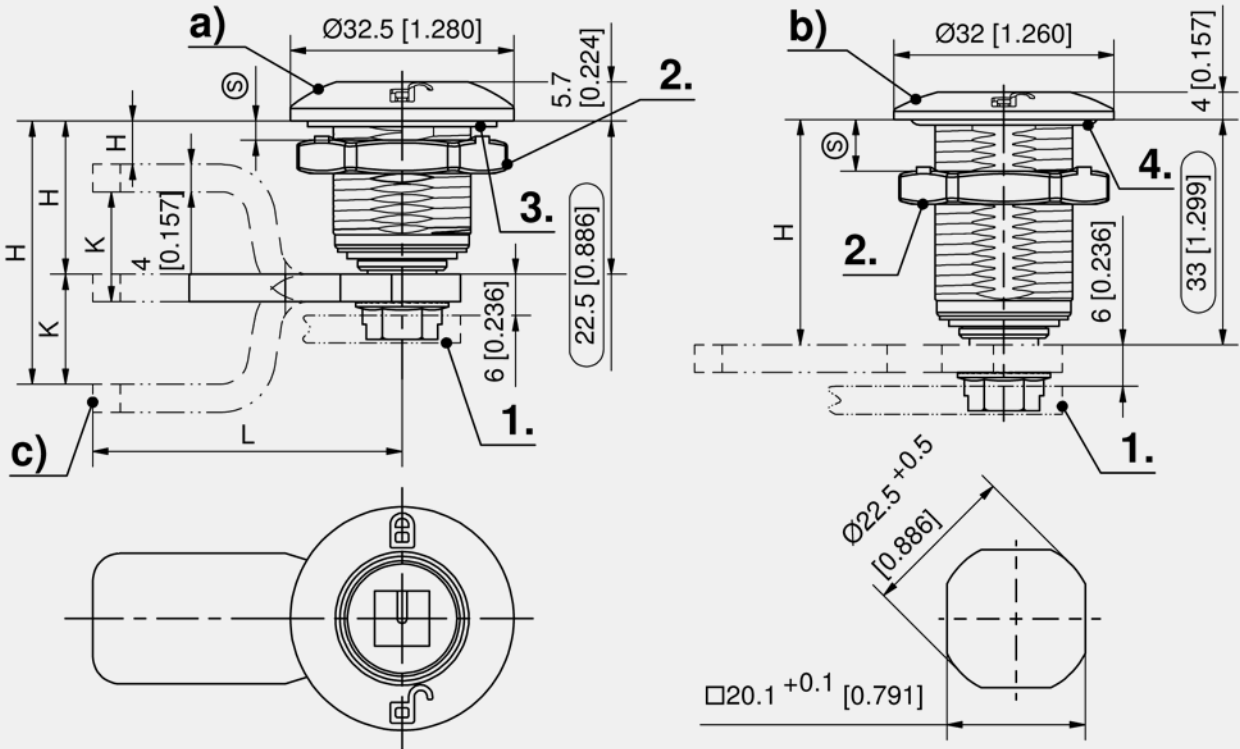
- Compression 6mm.
- Flat head shape.
- The coloured marking on the casing top indicates the opened/closed position in form of a padlock.
- Insert with coloured marking.
- Vibration-proof.
- IP 65/67 according to DIN EN 60529.
- IP 69K according to DIN 40050.
- RH and LH version.
- Grounding by single-sided grounding nut.
- The H-dimension can be varied via the cranking of the cams.

Materials

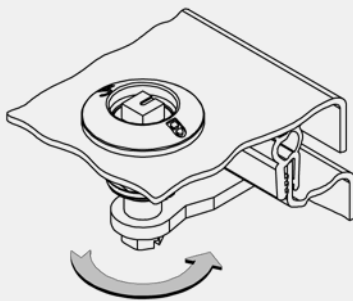
- Housings, insert, axle and grounding nut: AISI 316
- Serrated screw: AISI 304
- O-ring: NBR, black

Remarks

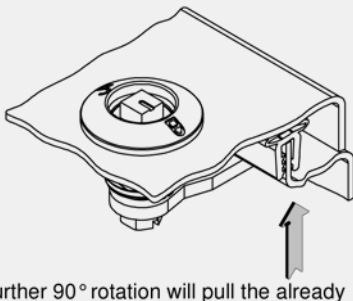
- (S) Door-thickness max. 12mm for GL22
- (S) Door-thickness max. 22mm for GL32
- Please configure the quarter-turn with a cam.
- Negatively bent cams can not be installed pre-assembled.
- 1. compression 6mm
- 2. single-sided grinding nut
- 3. flat external seal
- 4. GL 32mm with foamed sealing PUR



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 insert, version RH, closing left

	Part Number	Insert	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	248-9043.00-03008	Square 8mm	22 mm	max. 12 mm	screw-on	1 pc.
a)	248-9043.00-06008	Triangular 8mm	22 mm	max. 12 mm	screw-on	1 pc.
a)	248-9043.00-09003	Double bit 3mm pin	22 mm	max. 12 mm	screw-on	1 pc.
a)	248-9043.00-07007	Conical square 9mm	22 mm	max. 12 mm	screw-on	1 pc.
b)	248-9100.00-00000	Square 6mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9101.00-00000	Square 7mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9102.00-00000	Square 8mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9103.00-00000	Double bit 3mm pin	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9104.00-00000	Double bit 5mm pin	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9105.00-00000	Triangular 6.5mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9106.00-00000	Triangular 7mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9107.00-00000	Triangular 8mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9108.00-00000	Conical square 9mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9109.00-00000	Hex. SW 11	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9110.00-00000	Conial triangular pointed, 7mm	32 mm	max. 22 mm	screw-on	1 pc.

Compression latch with insert, version LH, closing right

	Part Number	Insert	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	248-9042.00-03008	Square 8mm	22 mm	max. 12 mm	screw-on	1 pc.
a)	248-9042.00-06008	Triangular 8mm	22 mm	max. 12 mm	screw-on	1 pc.
a)	248-9042.00-09003	Double bit 3mm pin	22 mm	max. 12 mm	screw-on	1 pc.
a)	248-9042.00-07007	Conical square 9mm	22 mm	max. 12 mm	screw-on	1 pc.
b)	248-9150.00-00000	Square 6mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9151.00-00000	Square 7mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9152.00-00000	Square 8mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9153.00-00000	Double bit 3mm pin	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9154.00-00000	Double bit 5mm pin	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9155.00-00000	Triangular 6.5mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9156.00-00000	Triangular 7mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9157.00-00000	Triangular 8mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9158.00-00000	Conical square 9mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9159.00-00000	Hex. SW 11	32 mm	max. 22 mm	screw-on	1 pc.
b)	248-9160.00-00000	Conial triangular pointed, 7mm	32 mm	max. 22 mm	screw-on	1 pc.

Accessories	
c)	159 7-105.01 Cams L35/45 Stainless Steel
	768 6-100 Wrench
	766 6-101 Universal key
	770 6-105 Keys for the Railway Sector
	170 200-4103.00-00000 Dust cap
	169 200-4601.00-00000 Anti-rotation device
	169 200-4601.02-00000 Anti-rotation device





Advantages

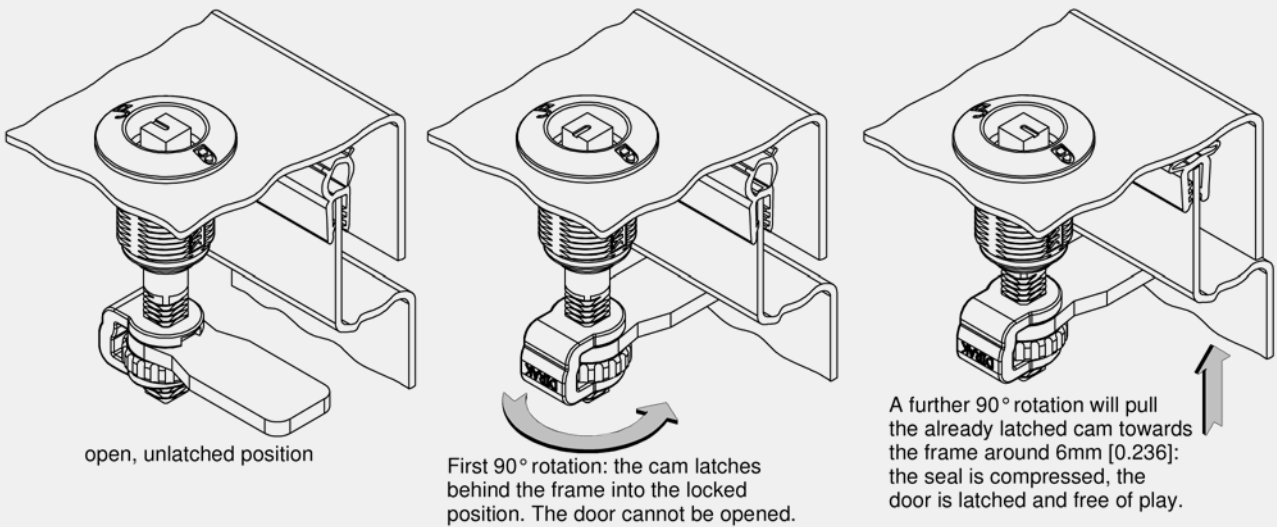
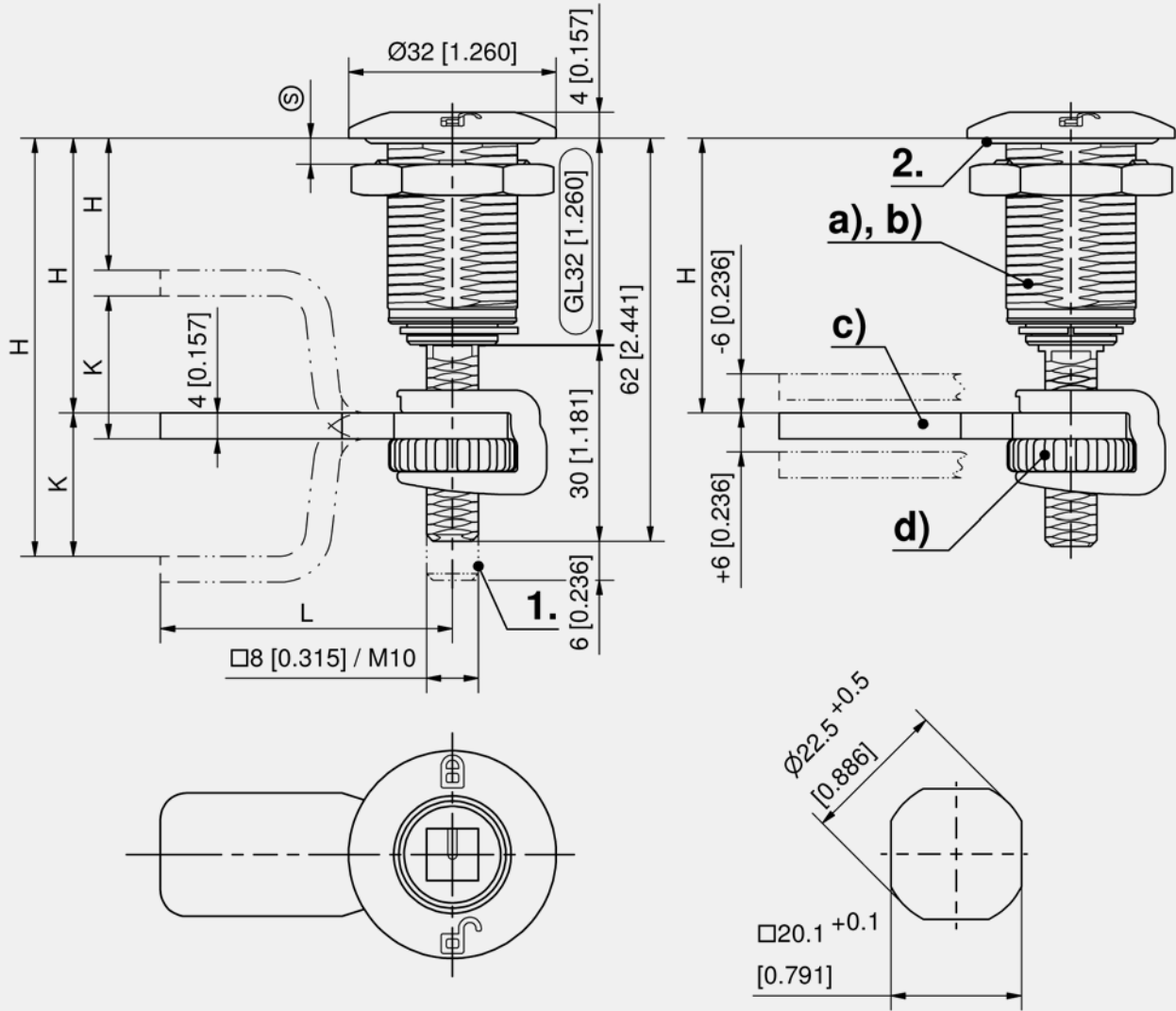
- Compression 6mm.
- Flat head shape.
- The coloured marking on the casing top indicates the opened/closed position in form of a padlock.
- Inserts with coloured marking.
- Vibration-proof.
- IP65/67 according to DIN EN 60529 and IP69K according to DIN 40050.
- RH and LH version.
- Grounding by single-sided grounding nut.
- The H-dimension 17 - 73mm can be varied via the cranking of the cams.
- The cam can be varied via H-dimension adjustment on the threaded square rod.

Materials

- **Housing, insert:** zinc die, chrome plated glossy or black matte e-coated
- **Threaded square rod, nut:** steel, zinc plated
- **Grounding nut:** zinc die, untreated
- **Catch:** PA
- **Knurled wheel:** zinc die

Remarks

- (S) Door-thickness max. 22mm
Please configure the quarter-turn with insert and cam.
1. compression 6mm
 2. foamed sealing PUR
- d) catch with h-dimension adjustment
Variant where the cam can be variably adjusted with nuts, see website 1-079.01.



Compression latch with insert, version RH, closing left

	Part Number	Surface	Insert	Installation type	Delivery Unit
a)	248-9802.11-11201	chrome plated	Square 8mm	screw-on	1 pc.
a)	248-9802.13-11201	black	Square 8mm	screw-on	1 pc.
a)	248-9803.11-11201	chrome plated	Double bit 3mm pin	screw-on	1 pc.
a)	248-9804.11-11201	chrome plated	Double bit 5mm pin	screw-on	1 pc.
a)	248-9807.11-11201	chrome plated	Triangular 8mm	screw-on	1 pc.
a)	248-9808.11-11201	chrome plated	Conical square 9mm	screw-on	1 pc.
a)	248-9808.13-11201	black	Conical square 9mm	screw-on	1 pc.

Compression latch with insert, version LH, closing right

	Part Number	Surface	Insert	Installation type	Delivery Unit
b)	248-9802.11-12201	chrome plated	Square 8mm	screw-on	1 pc.
b)	248-9802.13-12201	black	Square 8mm	screw-on	1 pc.
b)	248-9803.11-12201	chrome plated	Double bit 3mm pin	screw-on	1 pc.
b)	248-9804.11-12201	chrome plated	Double bit 5mm pin	screw-on	1 pc.
b)	248-9807.11-12201	chrome plated	Triangular 8mm	screw-on	1 pc.
b)	248-9808.11-12201	chrome plated	Conical square 9mm	screw-on	1 pc.
b)	248-9808.13-12201	black	Conical square 9mm	screw-on	1 pc.

Accessories					
c)	158	1-102.01	Cams L45 Steel		
	768	6-100	Wrench		
	766	6-101	Universal key		
	770	6-105	Keys for the Railway Sector		
	170	200-4103.00-00000	Dust cap		
	169	200-4601.00-00000	Anti-rotation device		
	169	200-4601.02-00000	Anti-rotation device		



Compression Latch Pr20.1 L22/32 with H-Dimension Adjustment Stainless Steel [7-079]

- Quarter-Turns
- 20
- IP 65/67
- IP 69K
- 15 Nm
- RoHS WEEE



Advantages

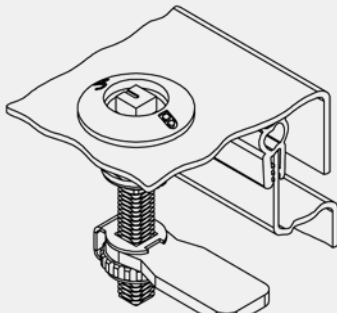
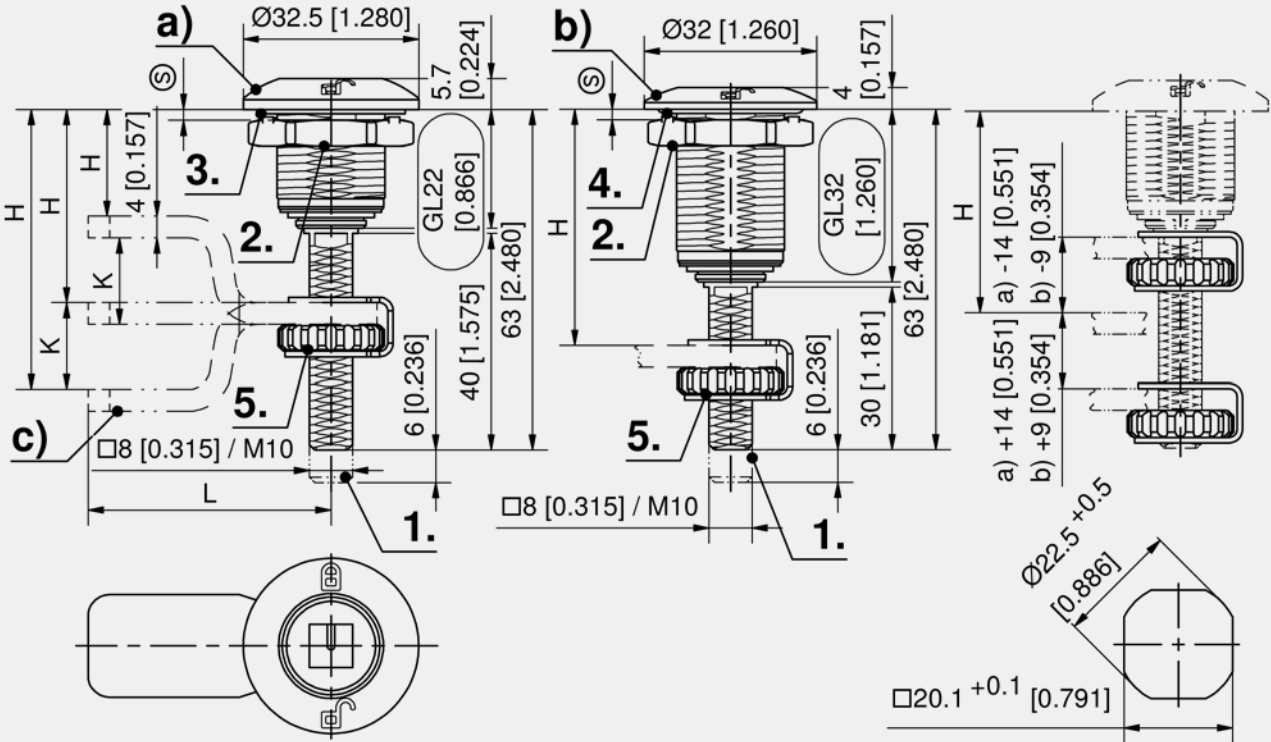
- Compression 6mm (1.).
- Flat head shape.
- The coloured marking on the casing top indicates the opened/closed position in form of a padlock.
- Insert with coloured marking.
- Vibration-proof.
- IP65/67 according to DIN EN 60529.
- GL 32mm IP69K according to DIN 40050.
- RH and LH version.
- Grounding by single-sided grounding nut (2.).
- The H-dimension can be varied via the cranking of the cams.
- The cam can be varied via H-dimension adjustment on the threaded square rod.

Materials

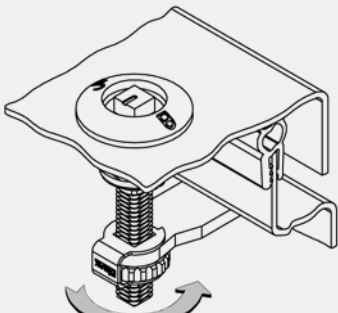
- Housing, knurled wheel, insert, threaded square rod and grounding nut: AISI 316
- Catch: AISI 301

Remarks

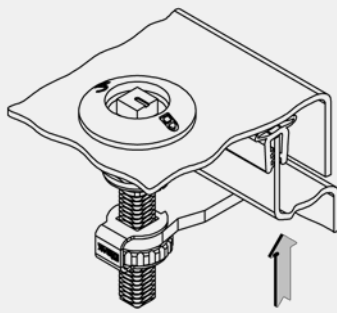
- (S) Door-thickness max. 12mm for GL22
- (S) Door-thickness max. 22mm for GL32
- Please configure the quarter-turn with a cam.
- Negatively bent cams can not be installed pre-assembled.
- 3. flat external seal
- 4. GL 32mm with foamed sea-ling PUR
- 5. H-dimension adjustment
- Variant where the cam can be variably adjusted with nuts, see website 7-079.01.



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 insert, version RH, closing left

	Part Number	Insert	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	348-9102.00-00000	Square 8mm	22 mm	max. 12 mm	screw-on	1 pc.
a)	348-9107.00-00000	Triangular 8mm	22 mm	max. 12 mm	screw-on	1 pc.
a)	348-9103.00-00000	Double bit 3mm pin	22 mm	max. 12 mm	screw-on	1 pc.
a)	348-9108.00-00000	Conical square 9mm	22 mm	max. 12 mm	screw-on	1 pc.
b)	348-9300.00-00000	Square 6mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9301.00-00000	Square 7mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9302.00-00000	Square 8mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9303.00-00000	Double bit 3mm pin	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9304.00-00000	Double bit 5mm pin	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9305.00-00000	Triangular 6.5mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9306.00-00000	Triangular 7mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9307.00-00000	Triangular 8mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9308.00-00000	Conical square 9mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9309.00-00000	Hex. SW 11	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9310.00-00000	Conial triangular pointed, 7mm	32 mm	max. 22 mm	screw-on	1 pc.

Compression latch with insert, version LH, closing right

	Part Number	Insert	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	348-9152.00-00000	Square 8mm	22 mm	max. 12 mm	screw-on	1 pc.
a)	348-9157.00-00000	Triangular 8mm	22 mm	max. 12 mm	screw-on	1 pc.
a)	348-9153.00-00000	Double bit 3mm pin	22 mm	max. 12 mm	screw-on	1 pc.
a)	348-9158.00-00000	Conical square 9mm	22 mm	max. 12 mm	screw-on	1 pc.
b)	348-9350.00-00000	Square 6mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9351.00-00000	Square 7mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9352.00-00000	Square 8mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9353.00-00000	Double bit 3mm pin	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9354.00-00000	Double bit 5mm pin	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9355.00-00000	Triangular 6.5mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9356.00-00000	Triangular 7mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9357.00-00000	Triangular 8mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9358.00-00000	Conical square 9mm	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9359.00-00000	Hex. SW 11	32 mm	max. 22 mm	screw-on	1 pc.
b)	348-9360.00-00000	Conial triangular pointed, 7mm	32 mm	max. 22 mm	screw-on	1 pc.

Accessories	
c)	174 7-077 Height Adjustable Cam L45 Stainless Steel
	768 6-100 Wrench
	766 6-101 Universal key
	770 6-105 Keys for the Railway Sector
	159 7-105.01 Cams L35/45 Stainless Steel
	170 200-4103.00-00000 Dust cap
	169 200-4601.00-00000 Anti-rotation device
	169 200-4601.02-00000 Anti-rotation device



DST Compression Latch Pr32x20 L22/28 [1-081DST]

DST



DIN 61373



IP 65

RoHS WEEE



Advantages

- Flush quarter-turn for snap-in installation into cutout 32x20.1mm.
- Rectangular cutout guarantees a perfect alignment.
- High transmission ratio with high contact pressure due to planetary gear.
- Vibration-proof according to DIN EN 61373.
- IP65 according to DIN EN 60529.
- RH / LH application, does not need to be converted when the door is changed.
- The compression latch can be snapped-in into the cutout as a completely pre-assembled unit.
- Tool-less blind installation.
- Rolling friction by cam with POM-roller.

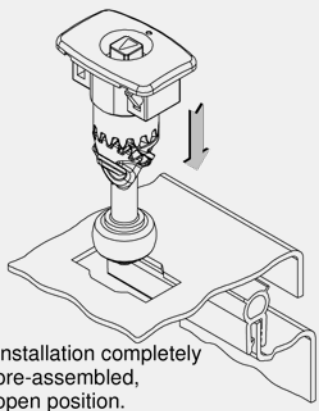
Materials

- **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, matte 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 10 - 20mm
 2. o-ring

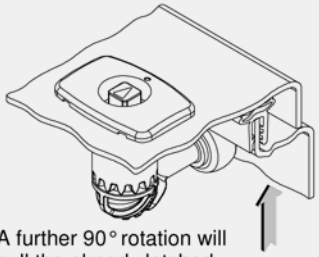
Operation



Installation completely pre-assembled, open 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 approx. 20mm [0.787]: the seal is compressed, the door is latched and free of play.

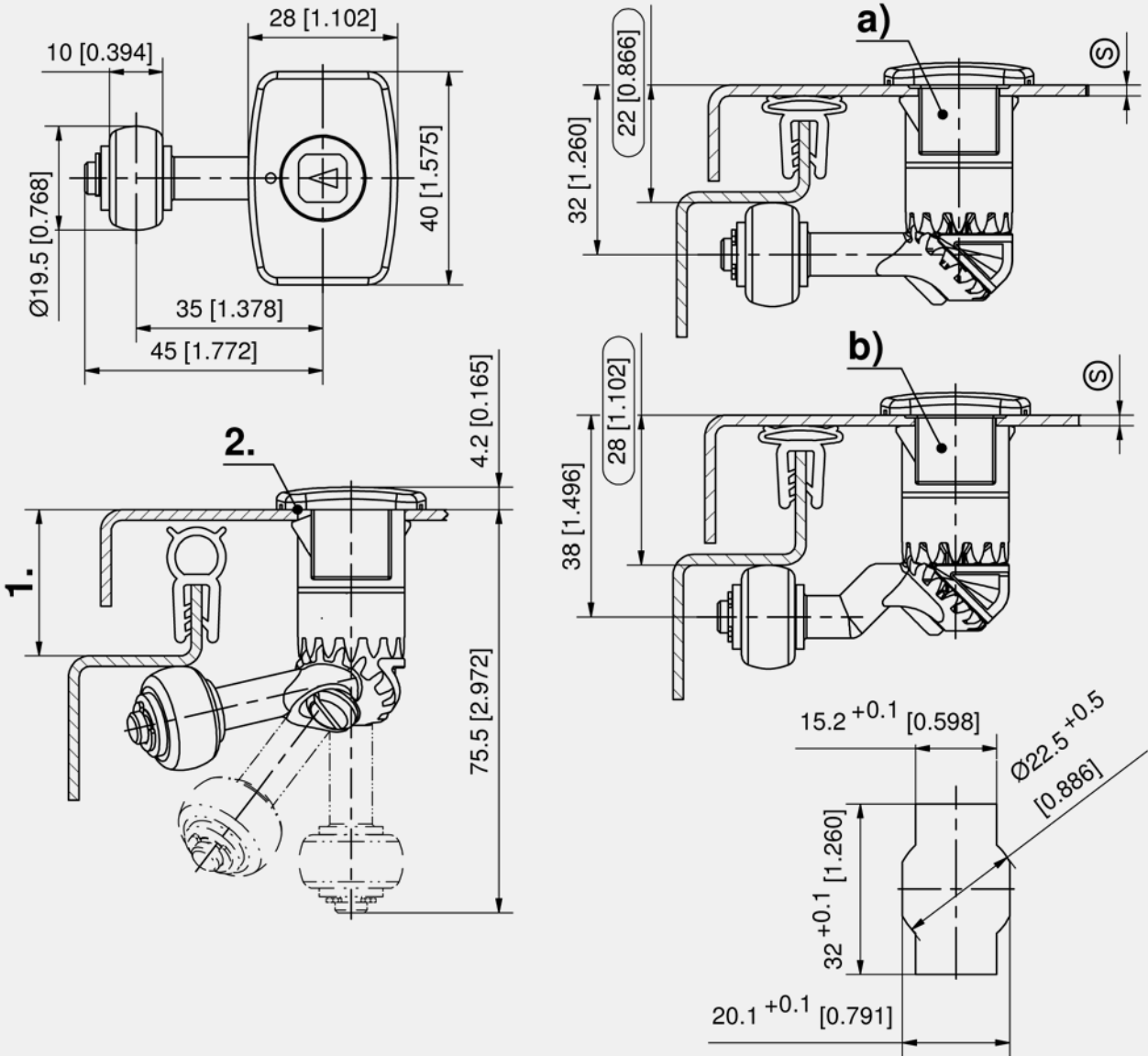
Compression latch with insert, bending 22

	Part Number	Insert	Clamping range (S)	Installation type	Delivery Unit
a)	448-9101.00-01012	Square 8mm	0.8 - 1.5 mm	tool-less	1 pc.
a)	448-9101.00-01016	Square 8mm	1.3 - 2.0 mm	tool-less	1 pc.
a)	448-9101.00-01020	Square 8mm	1.8 - 2.5 mm	tool-less	1 pc.
a)	448-9101.00-01026	Square 8mm	2.3 - 3.0 mm	tool-less	1 pc.
a)	448-9101.00-01031	Square 8mm	2.8 - 3.5 mm	tool-less	1 pc.
a)	448-9101.00-02012	Double bit 3mm pin	0.8 - 1.5 mm	tool-less	1 pc.
a)	448-9101.00-02016	Double bit 3mm pin	1.3 - 2.0 mm	tool-less	1 pc.
a)	448-9101.00-02020	Double bit 3mm pin	1.8 - 2.5 mm	tool-less	1 pc.
a)	448-9101.00-02026	Double bit 3mm pin	2.3 - 3.0 mm	tool-less	1 pc.
a)	448-9101.00-02031	Double bit 3mm pin	2.8 - 3.5 mm	tool-less	1 pc.
a)	448-9101.00-03012	Double bit 5mm pin	0.8 - 1.5 mm	tool-less	1 pc.
a)	448-9101.00-03016	Double bit 5mm pin	1.3 - 2.0 mm	tool-less	1 pc.
a)	448-9101.00-03020	Double bit 5mm pin	1.8 - 2.5 mm	tool-less	1 pc.
a)	448-9101.00-03026	Double bit 5mm pin	2.3 - 3.0 mm	tool-less	1 pc.
a)	448-9101.00-03031	Double bit 5mm pin	2.8 - 3.5 mm	tool-less	1 pc.

Compression latch with insert, bending 28

	Part Number	Insert	Clamping range (S)	Installation type	Delivery Unit
b)	448-9102.00-01012	Square 8mm	0.8 - 1.5 mm	tool-less	1 pc.
b)	448-9102.00-01016	Square 8mm	1.3 - 2.0 mm	tool-less	1 pc.
b)	448-9102.00-01020	Square 8mm	1.8 - 2.5 mm	tool-less	1 pc.
b)	448-9102.00-01026	Square 8mm	2.3 - 3.0 mm	tool-less	1 pc.
b)	448-9102.00-01031	Square 8mm	2.8 - 3.5 mm	tool-less	1 pc.
b)	448-9102.00-02012	Double bit 3mm pin	0.8 - 1.5 mm	tool-less	1 pc.
b)	448-9102.00-02016	Double bit 3mm pin	1.3 - 2.0 mm	tool-less	1 pc.
b)	448-9102.00-02020	Double bit 3mm pin	1.8 - 2.5 mm	tool-less	1 pc.
b)	448-9102.00-02026	Double bit 3mm pin	2.3 - 3.0 mm	tool-less	1 pc.
b)	448-9102.00-02031	Double bit 3mm pin	2.8 - 3.5 mm	tool-less	1 pc.
b)	448-9102.00-03012	Double bit 5mm pin	0.8 - 1.5 mm	tool-less	1 pc.
b)	448-9102.00-03016	Double bit 5mm pin	1.3 - 2.0 mm	tool-less	1 pc.
b)	448-9102.00-03020	Double bit 5mm pin	1.8 - 2.5 mm	tool-less	1 pc.
b)	448-9102.00-03026	Double bit 5mm pin	2.3 - 3.0 mm	tool-less	1 pc.
b)	448-9102.00-03031	Double bit 5mm pin	2.8 - 3.5 mm	tool-less	1 pc.

Accessories	
768	6-100 Wrench
766	6-101 Universal key





Advantages

- Compression 6.5mm.
- 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).
- Vibration-proof according to DIN EN 61373.
- IP65 according to DIN EN 60529.
- RH and LH version.
- Grounding by grounding nut.

Materials

- **Housing:** zinc die, chrome plated or black
- **Insert:** brass, chrome plated, zinc die, black or chrome plated
- **Drip handle:** zinc die, black
- **Spring:** stainless steel
- **Cam:** zinc die, chrome plated
- **Adjusting screw, Nut:** steel, zinc plated

Remarks

- (S) Door-thickness max. 22mm
Please configure the quarter-turn with insert and cam.
- The H-dimension can be adjusted by the adjusting screw.
1. compression 6.5mm
 2. flat external seal
 3. adjusting screw

Compression latch, version RH, closing left

	Part Number	Surface	Grounding type	Installation type	Delivery Unit
a)	100-9001.00-00000	chrome plated		screw-on	1 pc.
a)	100-9002.00-00000	chrome plated	Grounding nut	screw-on	1 pc.
a)	100-9014.00-00000	black	Grounding nut	screw-on	1 pc.

Compression latch, version LH, closing right

	Part Number	Surface	Grounding type	Installation type	Delivery Unit
a)	100-9013.00-00000	chrome plated	Grounding nut	screw-on	1 pc.
a)	100-9015.00-00000	black	Grounding nut	screw-on	1 pc.

Inserts

	Part Number	Surface	Insert	Version	Delivery Unit
b)	100-9104.00-00000	chrome plated	Square 7mm		1 pc.
b)	100-9105.00-00000	chrome plated	Square 8mm		1 pc.
b)	100-9106.00-00000	chrome plated	Triangular 7mm		1 pc.
b)	100-9107.00-00000	chrome plated	Triangular 8mm		1 pc.
b)	100-9103.00-00000	chrome plated	Double bit 3mm pin		1 pc.
b)	100-9102.00-00000	chrome plated	Double bit 5mm pin		1 pc.
b)	100-9114.00-00000	chrome plated	Socket hex. 8mm (5/16")		1 pc.
b)	100-9123.00-00000	black	Socket hex. 8mm (5/16")		1 pc.
b)	100-9101.00-00000	chrome plated	Socket hex. 10mm		1 pc.
b)	100-9132.00-00000	chrome plated	Hex. 7/16"		1 pc.
b)	100-9109.00-00000	chrome plated	Slotted 2x4mm		1 pc.
b)	100-9110.00-00000	chrome plated	Drop handle	cam in line with the handle	1 pc.
b)	100-9111.00-00000	chrome plated	Drop handle	cam 90° to the handle	1 pc.

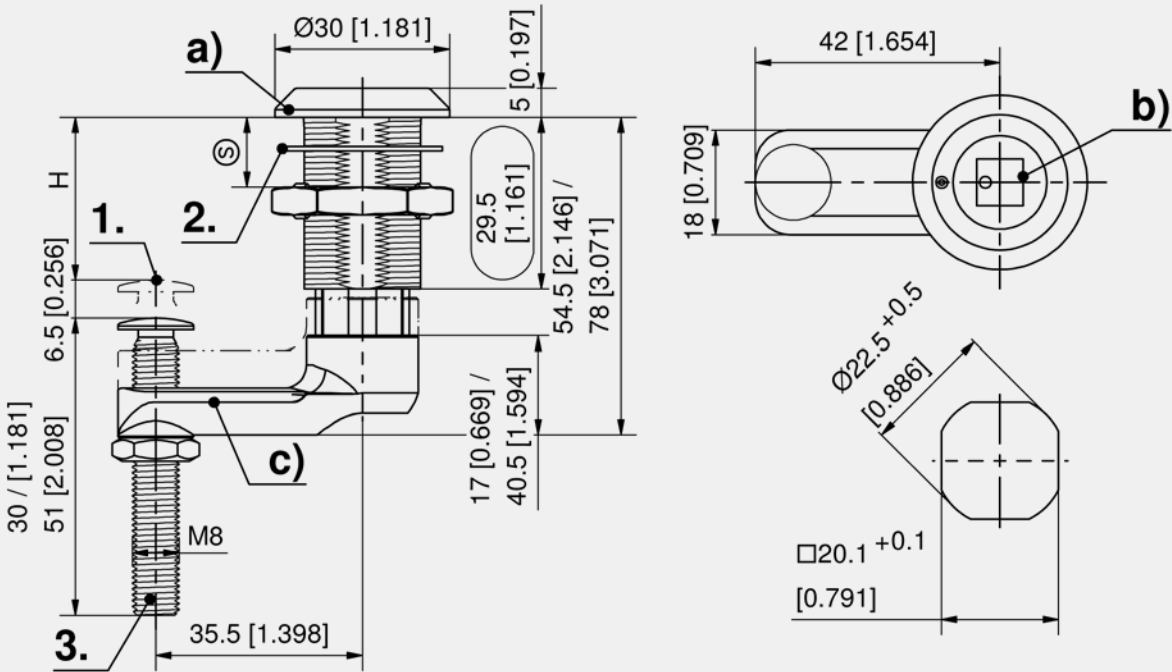
Cams, version RH

	Part Number	variable H-dimension	Hight of cam	Version	Delivery Unit
c)	200-9611.00-00000	0 - 37 mm	17 mm	Adjustable screw 51mm	1 pc.
c)	200-9610.00-00000	21 - 34 mm	17 mm	Adjustable screw 30mm	1 pc.
c)	200-9613.00-00000	24 - 60 mm	40.5 mm	Adjustable screw 51mm	1 pc.
c)	200-9612.00-00000	45 - 60 mm	40.5 mm	Adjustable screw 30mm	1 pc.

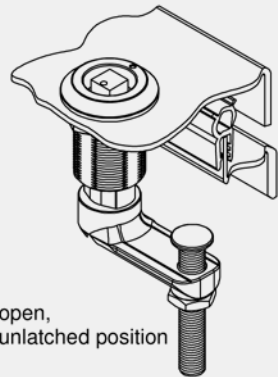
Cams, version LH

	Part Number	variable H-dimension	Hight of cam	Version	Delivery Unit
c)	200-9618.00-00000	21 - 34 mm	17 mm	Adjustable screw 30mm	1 pc.
c)	200-9614.00-00000	0 - 37 mm	17 mm	Adjustable screw 51mm	1 pc.

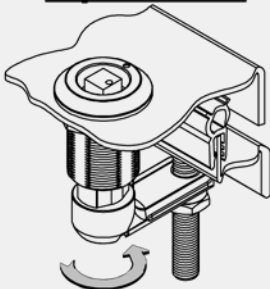
+	Accessories
	768 6-100 Wrench
	766 6-101 Universal key
⚙	Assembly options
	200-0064.00-00000 Assembling (must be ordered)
	200-0070.00-00000 Assembling drip handle 90° door LH
	200-0071.00-00000 Assembling drip handle 90° door RH



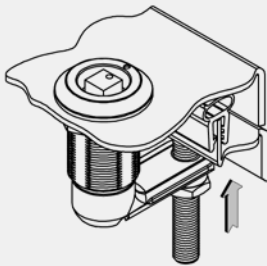
Operation



open,
unlatched position



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

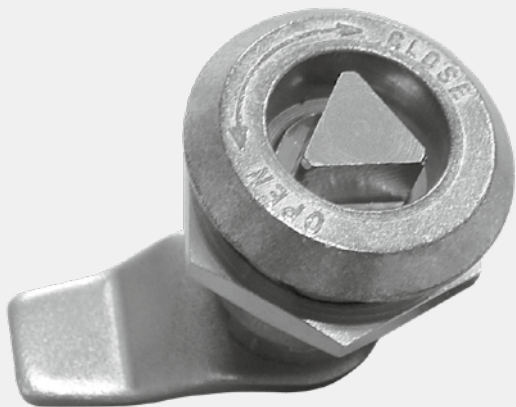


A further 90° rotation will pull
the already latched cam towards
the frame around 6.5mm [0.256]:
the seal is compressed, the
door is latched and free of play.



Clamping Quarter-Turn Pr21.6

[1-080]



Advantages

- For cutout 21.6.
- 6mm compression stroke.
- 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.
- Vibration-proof.
- RH / LH application.

Materials

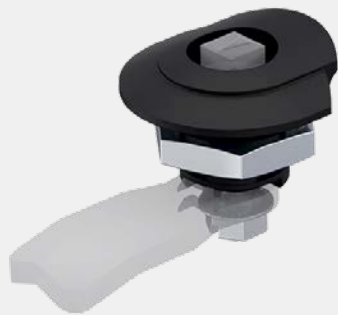
- **Housing:** zinc die, zinc plated
- **Insert:** brass, nickel plated
- **Spring and cam:** stainless steel
- **Nut:** steel, zinc plated

Remarks

(S) Door-thickness max. 6mm

Quarter-Turn SOFTLINE Pr20.1 L18

[1-107]



Advantages

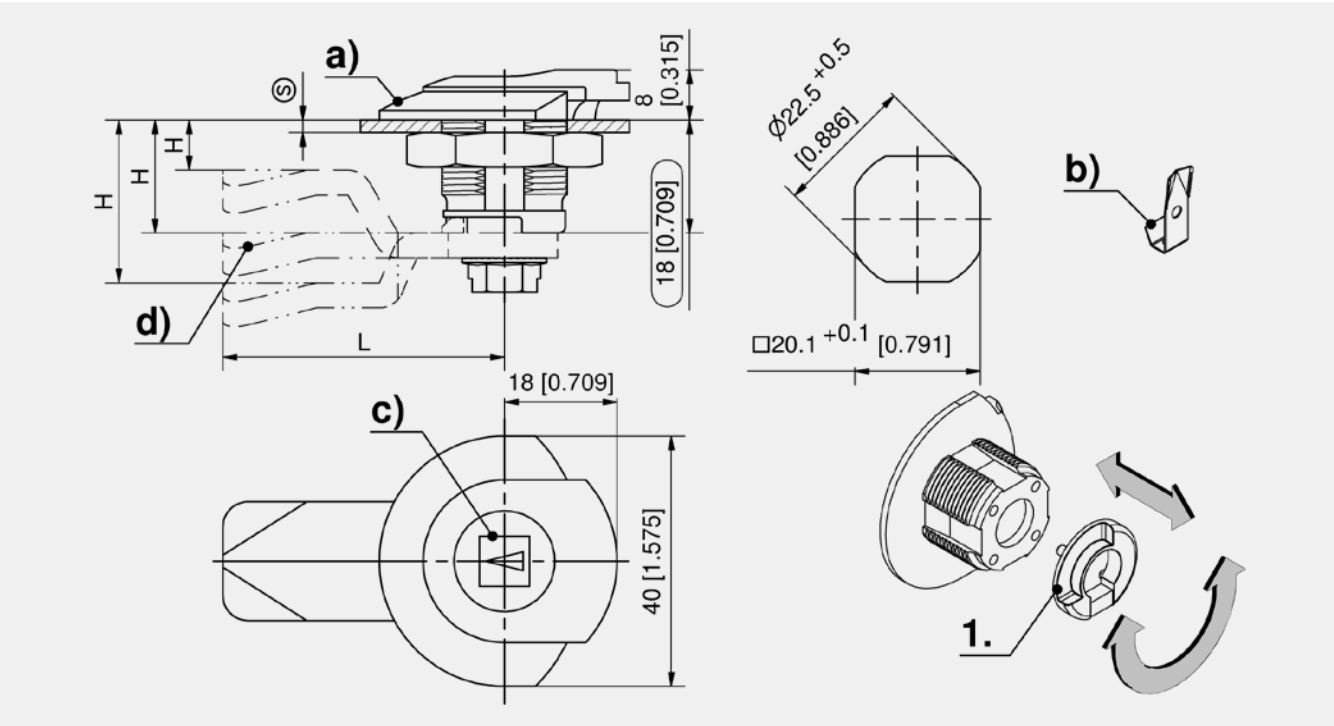
- For cutout Pr20.1.
- With integrated finger pull.
- IP65/67 according to DIN EN (optional).
- RH / LH application by rotatable bottom part.
- Grounding by grounding clip.
- On request parts can be assembled.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

- **Housing:** PA6, black
- **Bottom:** zinc die, zinc plated

Remarks

(S) Door-thickness max. 8mm
Please configure the Quarter-turn with insert and cam.
Note: wing or star knob not usable.
1. rotatable bottom for RH / LH



Quarter-Turn housing

	Part Number	Housing length	Grounding type	Installation type	Delivery Unit
a)	100-9007.00-00000	18 mm		screw-on	10 pcs.
b)	100-9008.00-00000	18 mm	Grounding clip	screw-on	10 pcs.

+	Accessories
c)	150 1-101 Inserts Pr20.1
d)	154, 292 1-102 Cams L35/45 Steel
d)	161 1-261 Cams with Ramp
d)	161 1-262 Cams variable
d)	162 1-264 Slam-Cams
	768 6-100 Wrench
	766 6-101 Universal key

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

*	Function extension
	209-9001.00-00000 Sealing kit IP67 for Quarter-Turns Pr20.1
	209-9002.00-00000 Sealing kit IP65 for Quarter-Turns Pr20.1

Clamping quarter-turn zinc die with insert and cam

	Part Number	H-dimension	Insert	Length of cam	Installation type	Delivery Unit
a)	248-9001.35-00000	18 mm	Square 7mm	L 30	screw-on	10 pcs.
a)	248-9002.35-00000	18 mm	Square 8mm	L 30	screw-on	10 pcs.
a)	248-9004.35-00000	18 mm	Triangular 8mm	L 30	screw-on	10 pcs.
a)	248-9006.35-00000	18 mm	Double bit 3mm pin	L 30	screw-on	10 pcs.
a)	248-9007.35-00000	18 mm	Double bit 5mm pin	L 30	screw-on	10 pcs.
b)	248-9010.35-00000	21.5 mm	Square 8mm	L 30	screw-on	10 pcs.
b)	248-9011.35-00000	21.5 mm	Triangular 7mm	L 30	screw-on	10 pcs.
b)	248-9015.35-00000	21.5 mm	Double bit 5mm pin	L 30	screw-on	10 pcs.
b)	248-9016.35-00000	21.5 mm	Slotted 2x4mm	L 30	screw-on	10 pcs.
c)	248-9018.35-00000	27 mm	Square 8mm	L 30	screw-on	10 pcs.
c)	248-9019.35-00000	27 mm	Triangular 7mm	L 30	screw-on	10 pcs.
c)	248-9020.35-00000	27 mm	Triangular 8mm	L 30	screw-on	10 pcs.
c)	248-9022.35-00000	27 mm	Double bit 3mm pin	L 30	screw-on	10 pcs.
c)	248-9023.35-00000	27 mm	Double bit 5mm pin	L 30	screw-on	10 pcs.
c)	248-9024.35-00000	27 mm	Slotted 2x4mm	L 30	screw-on	10 pcs.
d)	248-9025.35-00000	20 mm	Square 7mm	L 45	screw-on	10 pcs.
d)	248-9026.35-00000	20 mm	Square 8mm	L 45	screw-on	10 pcs.
d)	248-9030.35-00000	20 mm	Double bit 3mm pin	L 45	screw-on	10 pcs.
e)	248-9033.35-00000	21.5 mm	Square 7mm	L 45	screw-on	10 pcs.
e)	248-9034.35-00000	21.5 mm	Square 8mm	L 45	screw-on	10 pcs.
e)	248-9035.35-00000	21.5 mm	Triangular 7mm	L 45	screw-on	10 pcs.
e)	248-9036.35-00000	21.5 mm	Triangular 8mm	L 45	screw-on	10 pcs.
e)	248-9038.35-00000	21.5 mm	Double bit 3mm pin	L 45	screw-on	10 pcs.
e)	248-9039.35-00000	21.5 mm	Double bit 5mm pin	L 45	screw-on	10 pcs.

+	Accessories
	768 6-100 Wrench
	766 6-101 Universal key





Advantages

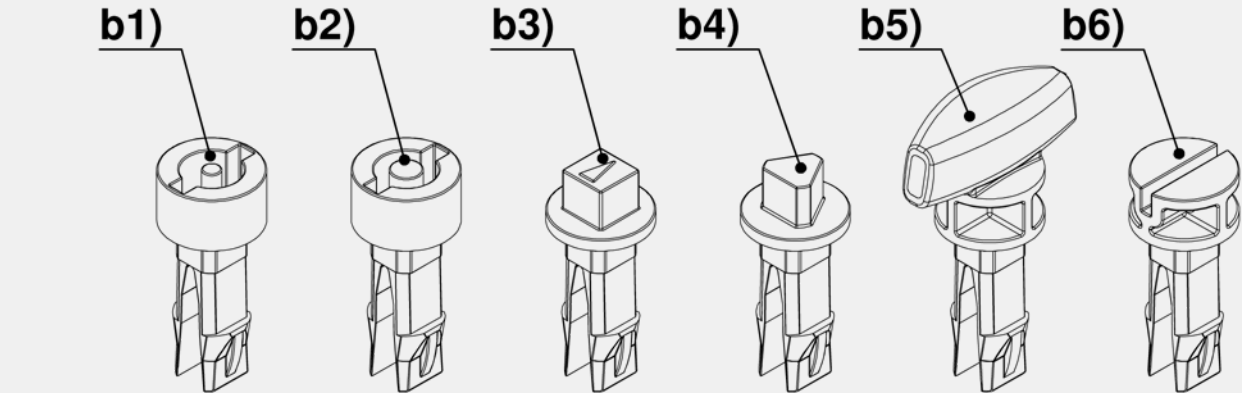
- For cutout Pr20.1.
- Protective insulated.
- With moulded-in, captive TPE seal (under the head and inside the housing).
- IP65/67 according to DIN EN 60529.
- IP69K according to DIN 40050.
- RH / LH application.
- Insert and cam can be clipped together without tools before the installation in the housing.
- A pre-assembled quarter-turn can be installed through the cutout.

Materials

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

Remarks

(S) Door-thickness max. 8mm.
Please configure the quarter-turn with nut, insert and cam.



Quarter-Turn housing 2K

	Part Number	Name	Housing length	Captive seal	Installation type	Delivery Unit
a)	200-0211.07-07701	Quarter-Turn	18 mm	Yes	screw-on	50 pcs.
a1)	203-0901.03-00000	Nut			screw-on	50 pcs.

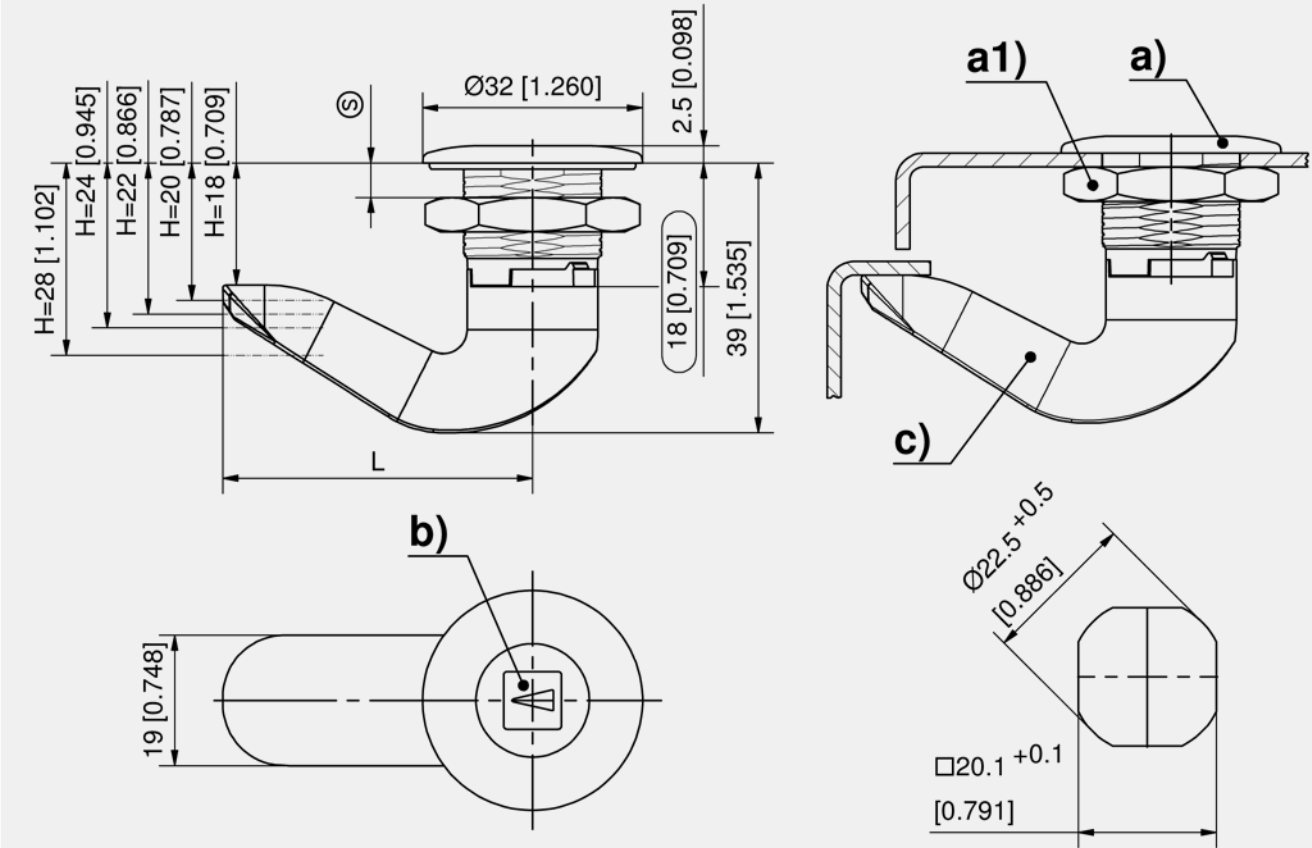
Insert 2K

	Part Number	Insert	Delivery Unit
b1)	100-0388.50-07705	Double bit 3mm pin	50 pcs.
b2)	100-0388.50-07701	Double bit 5mm pin	50 pcs.
b3)	100-0388.50-07702	Square 8mm	50 pcs.
b4)	100-0388.50-07703	Triangular 8mm	50 pcs.
b5)	100-0388.50-07707	Wing knob	50 pcs.
b6)	100-0388.50-07704	Slotted 2x4mm	50 pcs.

Cams 2K, L45, with stop

	Part Number	H-dimension	Delivery Unit
c)	200-0769.50-07718	18 mm	50 pcs.
c)	200-0769.50-07720	20 mm	50 pcs.
c)	200-0769.50-07722	22 mm	50 pcs.
c)	200-0769.50-07724	24 mm	50 pcs.
c)	200-0769.50-07728	28 mm	50 pcs.

Accessories	
170	1-270 Dust Caps and Sealing Plug Pr20.1
172	1-270.01 Finger Pull for Quarter-Turn Pr20.1
169	1-275 Emergency Handle + Anti-Rotation Device Pr20.1
768	6-100 Wrench
766	6-101 Universal key





Advantages

- For cutout Pr20.1.
- Protective insulated.
- IP65/67 according to DIN EN 60529 (optional).
- RH / LH application.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.
- When using inserts zinc die + cams stainless steel or inserts stainless steel + cams stainless steel, electrical continuity can be ensured by means of the grounding clip.

Materials

- Housing and cams: PA, black
- Nut: see table

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with insert and cam.
Pre-assembly by DIRAK is advisable.

Quarter-Turn housing + nut

	Part Number	Version	Material nut	Installation type	Delivery Unit
a)	200-9003.00-00000	housing head frustoconical	steel	screw-on	10 pcs.
a)	200-9044.00-00000	housing head frustoconical	stainless steel	screw-on	10 pcs.
a)	200-9077.00-00000	housing head frustoconical	PA	screw-on	10 pcs.
b)	100-9611.00-00000	housing head rounded	steel	screw-on	10 pcs.
b)	100-9612.00-00000	housing head rounded	PA	screw-on	10 pcs.
b)	100-9614.00-00000	housing head rounded	stainless steel	screw-on	10 pcs.

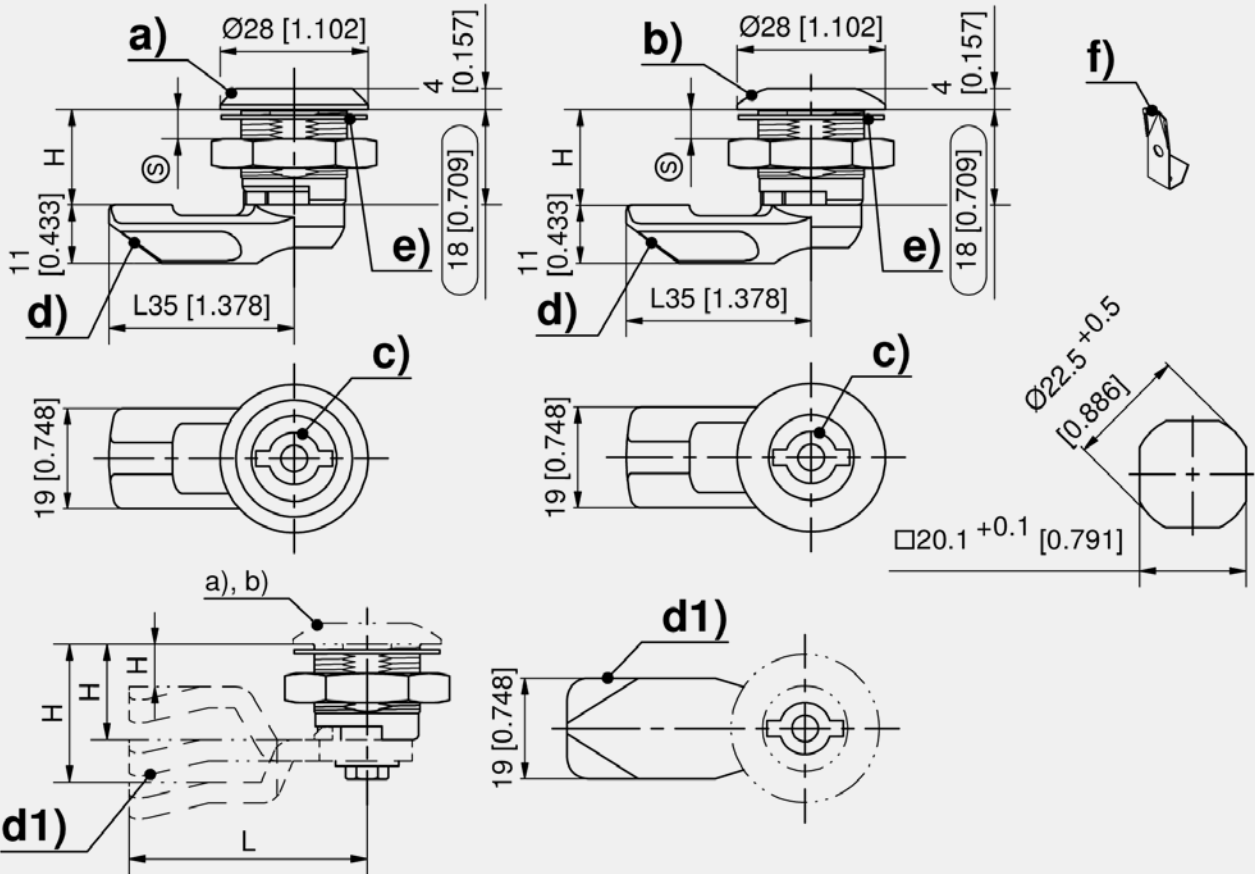
Cams L35, with stop

	Part Number	H-dimension	Delivery Unit
d)	200-5318.00-00000	18 mm	10 pcs.
d)	200-5320.00-00000	20 mm	10 pcs.
d)	200-5322.00-00000	22 mm	10 pcs.
d)	200-5325.00-00000	25 mm	10 pcs.
d)	200-5328.00-00000	28 mm	10 pcs.

+	Accessories
c)	150 1-101 Inserts Pr20.1
c)	152 7-082 Insert Stainless Steel Pr20.1
d1)	154, 292 1-102 Cams L35/45 Steel
d1)	156 7-105 Cams L35/45 Stainless Steel
	768 6-100 Wrench
	766 6-101 Universal key

⚙	Assembly options
	200-0001.00-00000 Assembling cam without o-ring
	200-0002.00-00000 Assembling cam with 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
f)	200-1101.04-00000 Grounding clip
e)	209-9001.00-00000 Sealing kit IP67 for Quarter-Turns Pr20.1
e)	209-9002.00-00000 Sealing kit IP65 for Quarter-Turns Pr20.1





Advantages

- Flush version
- Housing length 12mm.
- IP69K according to DIN 40050 by using sealing kit (optional).
- RH / LH application.
- Grounding by single-sided grounding nut.
- On request parts can be assembled.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

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

Remarks

(S) Door-thickness max. 3mm
Please configure the quarter-turn with insert and cam.

Attention: negatively cranked cams **cannot** be installed pre-assembled in the cutout.

1. nut
2. grounding nut

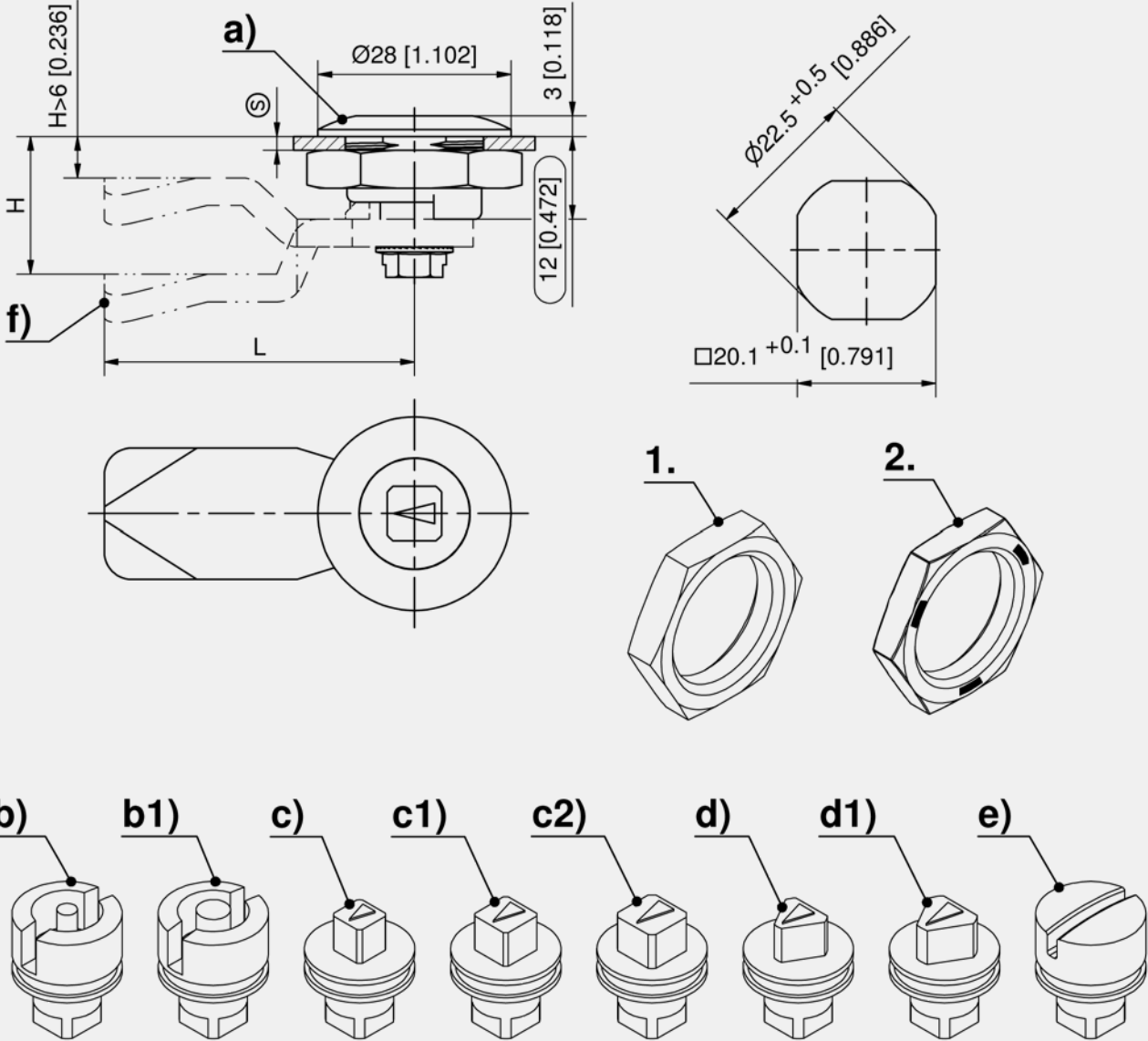
Quarter-Turn housing, zinc die

	Part Number	Surface	Grounding type	Installation type	Delivery Unit
a)	100-9044.00-00000	chrome plated		screw-on	10 pcs.
a)	100-9045.00-00000	chrome plated	Grounding nut	screw-on	10 pcs.
a)	100-9046.00-00000	black		screw-on	10 pcs.
a)	100-9047.00-00000	black	Grounding nut	screw-on	10 pcs.

Inserts, zinc die, for quarter-turn L12

	Part Number	Insert	Surface	Delivery Unit
b)	100-9138.00-00006	Double bit 3mm pin	chrome plated	10 pcs.
b1)	100-9138.00-00007	Double bit 5mm pin	chrome plated	10 pcs.
c)	100-9138.00-00008	Square 6mm	chrome plated	10 pcs.
c1)	100-9138.00-00009	Square 7mm	chrome plated	10 pcs.
c2)	100-9138.00-00010	Square 8mm	chrome plated	10 pcs.
d)	100-9138.00-00011	Triangular 7mm	chrome plated	10 pcs.
d1)	100-9138.00-00012	Triangular 8mm	chrome plated	10 pcs.
e)	100-9138.00-00013	Slotted 2x4mm	chrome plated	10 pcs.
b)	100-9140.00-00006	Double bit 3mm pin	black	10 pcs.
b1)	100-9140.00-00007	Double bit 5mm pin	black	10 pcs.
c)	100-9140.00-00008	Square 6mm	black	10 pcs.
c1)	100-9140.00-00009	Square 7mm	black	10 pcs.
c2)	100-9140.00-00010	Square 8mm	black	10 pcs.
d)	100-9140.00-00011	Triangular 7mm	black	10 pcs.
d1)	100-9140.00-00012	Triangular 8mm	black	10 pcs.
e)	100-9140.00-00013	Slotted 2x4mm	black	10 pcs.

+	Accessories
f)	154, 292 1-102 Cams L35/45 Steel
f)	160 1-260 Hooked Cam
f)	161 1-261 Cams with Ramp
f)	161 1-262 Cams variable
	768 6-100 Wrench
	766 6-101 Universal key
W	Assembly options
	200-0001.00-00000 Assembling cam without o-ring
	200-0002.00-00000 Assembling cam with o-ring
*	Function extension
	209-9002.00-00000 Sealing kit IP69K for Quarter-Turns Pr20.1





Advantages

- Flush quarter-turn for cutout 32x20mm.
- Rectangular cutout guarantees a perfect alignment.
- IP65 according to DIN EN 60529 (O-Ring for housing is included). O-Ring 200-1001.00-00000, for insert, please order separately.
- RH / LH application by rotatable bottom part.
- Grounding by grounding clip (optional).
- On request parts can be pre-assembled.
- The quarter-turn can be snapped-in as a completely pre-assembled unit.
- Installation tool-less and vibration-proof.
- Blind installation in closed profiles.

Materials

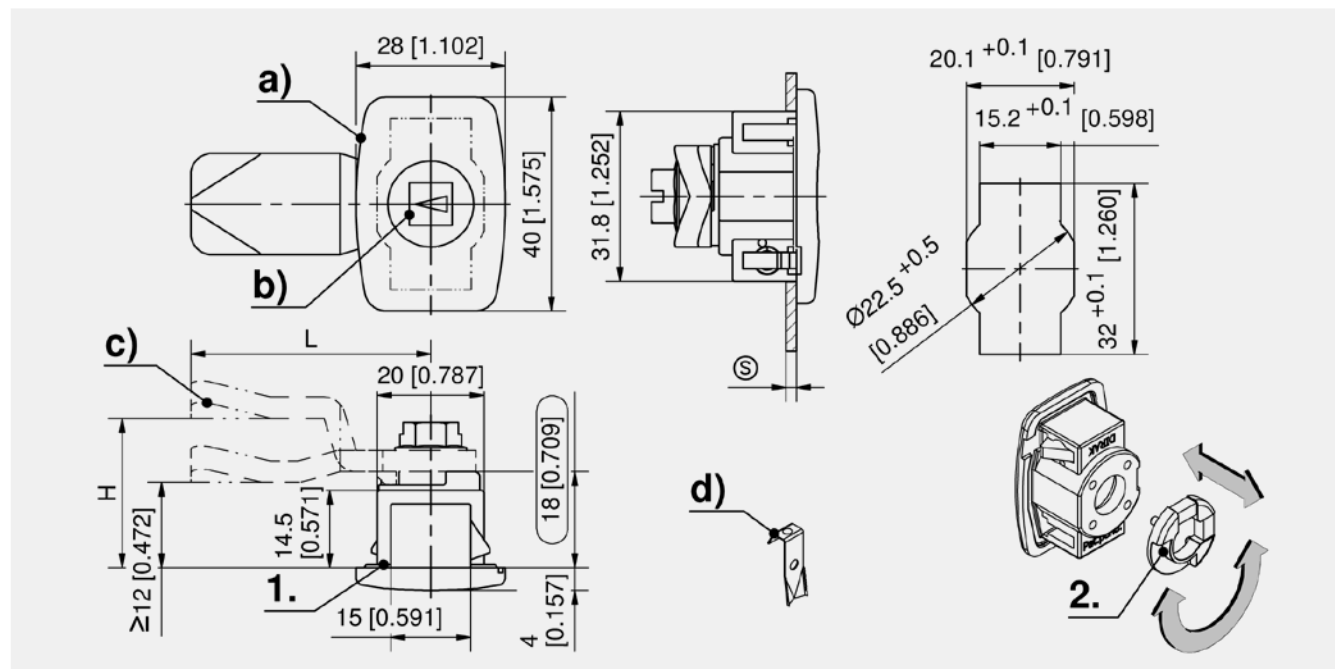
- **Housing:** PA, black or zinc die, chrome plated
- **Snap wedges:** sintered steel
- **O-ring:** NBR, black

Remarks

Attention: H-dimension of the cam not less than 12mm!

Please configure the quarter-turn
with insert and cam.

1. o-ring
2. rotatable bottom for RH/LH



Quarter-Turn housing

	Part Number	Clamping range (S)	Material	Surface	Delivery Unit
a)	406-9005.00-00013	1.0 - 1.7 mm	PA	black	10 pcs.
a)	406-9005.00-00016	1.3 - 2.0 mm	PA	black	10 pcs.
a)	406-9005.00-00018	1.5 - 2.2 mm	PA	black	10 pcs.
a)	406-9005.00-00021	1.8 - 2.5 mm	PA	black	10 pcs.
a)	406-9005.00-00026	2.3 - 3.0 mm	PA	black	10 pcs.
a)	406-9005.00-00031	2.8 - 3.5 mm	PA	black	10 pcs.
a)	406-9006.00-00013	1.0 - 1.7 mm	zinc die	chrome plated	10 pcs.
a)	406-9006.00-00016	1.3 - 2.0 mm	zinc die	chrome plated	10 pcs.
a)	406-9006.00-00018	1.5 - 2.2 mm	zinc die	chrome plated	10 pcs.
a)	406-9006.00-00021	1.8 - 2.5 mm	zinc die	chrome plated	10 pcs.
a)	406-9006.00-00026	2.3 - 3.0 mm	zinc die	chrome plated	10 pcs.
a)	406-9006.00-00031	2.8 - 3.5 mm	zinc die	chrome plated	10 pcs.

	Accessories
--	--------------------

- | | | | |
|----|----------|-------|-------------------|
| b) | 150 | 1-101 | Inserts Pr20.1 |
| c) | 154, 292 | 1-102 | Cams L35/45 Steel |
| c) | 161 | 1-262 | Cams variable |
| | 768 | 6-100 | Wrench |
| | 766 | 6-101 | Universal key |

 Function extension

- d) 200-1101.04-00000 **Grounding clip**



◀ all product details
on DIRAK.com



Advantages

- Flush quarter-turn for cutout Pr20.1.
- IP65/67 according to DIN EN 60529 (optional).
- RH / LH application.
- Grounding by grounding clip or grounding nut.
- On request parts can be assembled.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

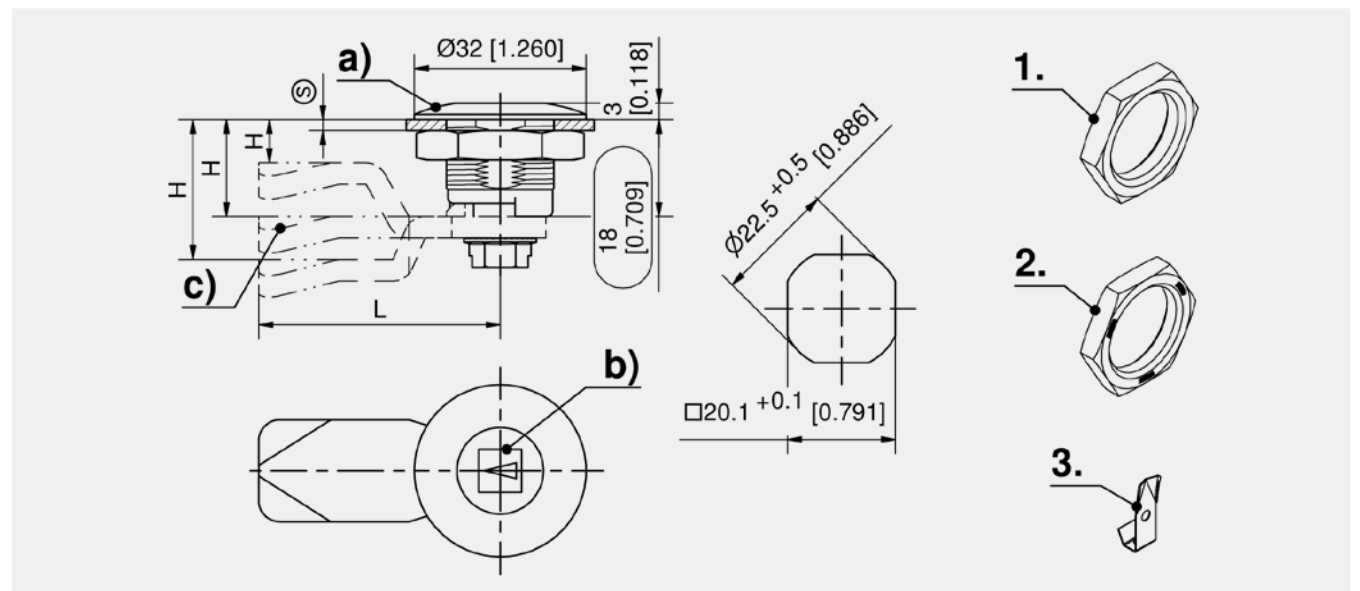
Materials

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

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with insert and cam.

1. nut
2. grounding nut
3. grounding clip



Quarter-Turn housing, zinc die Ø32

	Part Number	Surface	Grounding type	Installation type	Delivery Unit
a)	100-9053.00-00000	chrome plated		screw-on	10 pcs.
a)	100-9054.00-00000	chrome plated	Grounding nut	screw-on	10 pcs.
a)	100-9055.00-00000	chrome plated	Grounding clip	screw-on	10 pcs.
a)	100-9056.00-00000	black		screw-on	10 pcs.
a)	100-9057.00-00000	black	Grounding nut	screw-on	10 pcs.
a)	100-9058.00-00000	black	Grounding clip	screw-on	10 pcs.

Accessories

- | | | | |
|----|----------|----------|-------------------------------------|
| b) | 150 | 1-101 | Inserts Pr20.1 |
| c) | 154, 292 | 1-102 | Cams L35/45 Steel |
| | 160 | 1-260 | Hooked Cam |
| | 161 | 1-261 | Cams with Ramp |
| | 161 | 1-262 | Cams variable |
| | 167 | 1-115 | Handles for Quarter-turns Pr20.1 |
| | 170 | 1-270 | Dust Caps and Sealing Plug Pr20.1 |
| | 172 | 1-270.01 | Finger Pull for Quarter-Turn Pr20.1 |

Accessories

- | | | |
|-----|-------|--|
| 169 | 1-275 | Emergency Handle + Anti-Rotation Device Pr20.1 |
| 768 | 6-100 | Wrench |
| 766 | 6-101 | Universal key |

Assembly options

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

 Function extension

- | | |
|-------------------|---|
| 209-9001.00-00000 | Sealing kit IP67 for Quarter-Turns Pr20.1 |
| 209-9002.00-00000 | Sealing kit IP65 for Quarter-Turns Pr20.1 |



all product details ►
on DIRAK.com



Advantages

- For cutout Pr20.1.
- IP65/67 according to DIN EN 60529 (optional).
- RH / LH application.
- Grounding by grounding clip or grounding nut.
- On request parts can be assembled.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

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

- (S) Door-thickness max. 8mm
Please configure the quarter-turn with insert and cam.
1. nut
 2. grounding nut
 3. grounding clip

Quarter-Turn housing Ø28x4 + nut

	Part Number	Material	Surface	Grounding type	Installation type	Delivery Unit
a)	200-9001.00-00000	zinc die	chrome plated		screw-on	10 pcs.
a)	200-9002.00-00000	zinc die	chrome plated	Grounding nut	screw-on	10 pcs.
a)	200-9062.00-00000	zinc die	chrome plated	Grounding clip	screw-on	10 pcs.
a)	200-9048.00-00000	zinc die	black		screw-on	10 pcs.
a)	200-9049.00-00000	zinc die	black	Grounding nut	screw-on	10 pcs.
a)	200-9063.00-00000	zinc die	black	Grounding clip	screw-on	10 pcs.
a)	200-9004.00-00000	PA	black	Grounding clip	screw-on	10 pcs.

Quarter-Turn housing Ø30x4 + nut

	Part Number	Material	Surface	Grounding type	Installation type	Delivery Unit
b)	200-9045.00-00000	zinc die	chrome plated		screw-on	10 pcs.
b)	200-9046.00-00000	zinc die	chrome plated	Grounding nut	screw-on	10 pcs.
b)	200-9054.00-00000	zinc die	black		screw-on	10 pcs.
b)	200-9055.00-00000	zinc die	black	Grounding nut	screw-on	10 pcs.

Quarter-Turn housing Ø32x6 + nut

	Part Number	Material	Surface	Grounding type	Installation type	Delivery Unit
c)	200-9005.00-00000	zinc die	chrome plated		screw-on	10 pcs.
c)	200-9006.00-00000	zinc die	chrome plated	Grounding nut	screw-on	10 pcs.
c)	200-9050.00-00000	zinc die	black		screw-on	10 pcs.
c)	200-9051.00-00000	zinc die	black	Grounding nut	screw-on	10 pcs.
c)	200-9007.00-00000	PA	black		screw-on	10 pcs.
c)	200-9008.00-00000	PA	black	Grounding clip	screw-on	10 pcs.

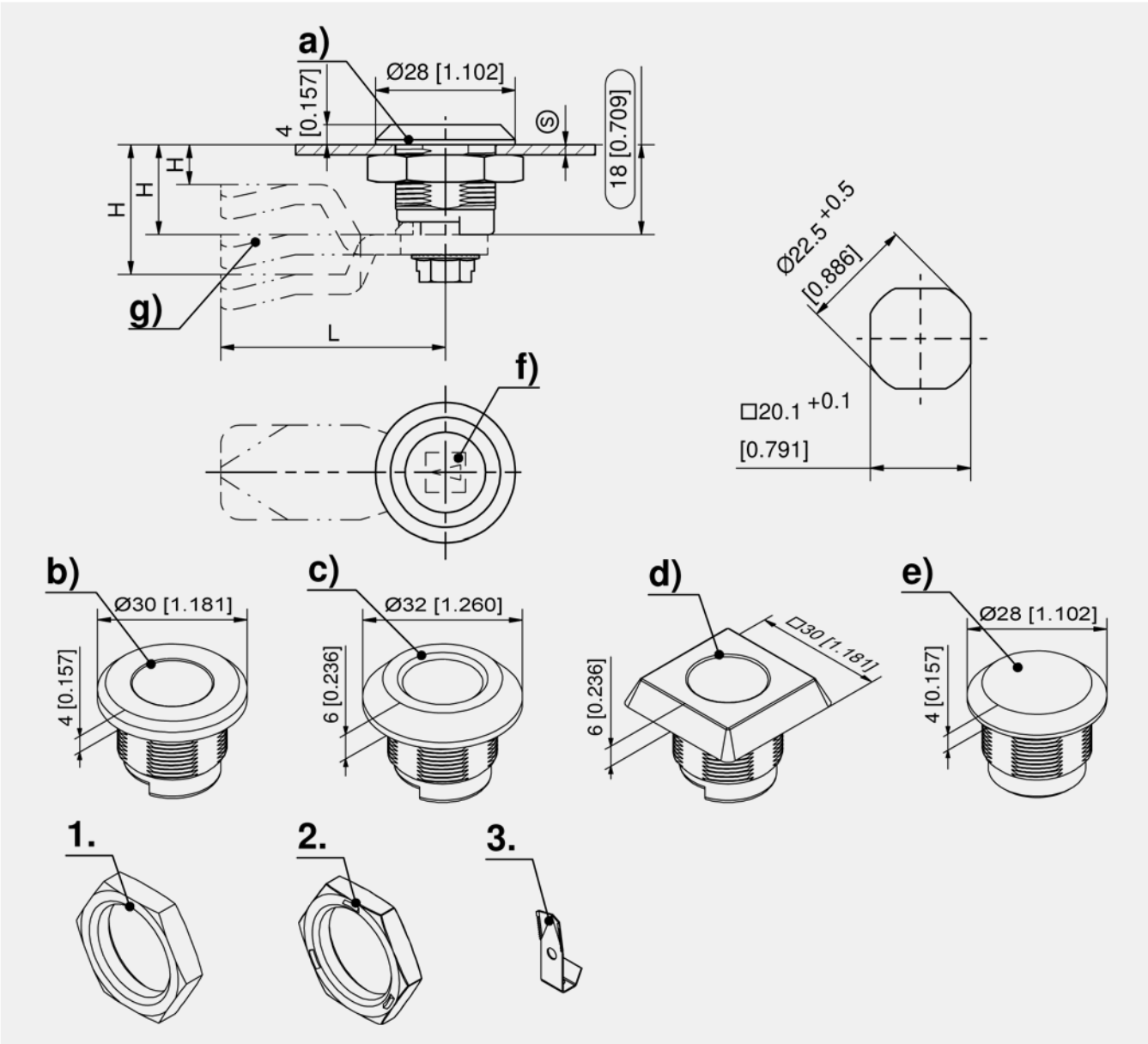
Quarter-Turn housing □30x6 + nut

	Part Number	Material	Surface	Grounding type	Installation type	Delivery Unit
d)	200-9009.00-00000	zinc die	chrome plated		screw-on	10 pcs.
d)	200-9010.00-00000	zinc die	chrome plated	Grounding nut	screw-on	10 pcs.
d)	200-9052.00-00000	zinc die	black		screw-on	10 pcs.
d)	200-9053.00-00000	zinc die	black	Grounding nut	screw-on	10 pcs.

Quarter-Turn blind housing Ø28x4 + nut

	Part Number	Material	Surface	Installation type	Delivery Unit
e)	235-9209.00-00000	zinc die	black	screw-on	10 pcs.

Accessories	
f)	150 1-101 Inserts Pr20.1
g)	154, 292 1-102 Cams L35/45 Steel
	160 1-260 Hooked Cam
	161 1-261 Cams with Ramp
	161 1-262 Cams variable
	167 1-115 Handles for Quarter-turns Pr20.1
	170 1-270 Dust Caps and Sealing Plug Pr20.1
	172 1-270.01 Finger Pull for Quarter-Turn Pr20.1
	169 1-275 Emergency Handle + Anti-Rotation Device Pr20.1
	768 6-100 Wrench
	766 6-101 Universal key
Assembly options	
	200-0001.00-00000 Assembling cam without o-ring
	200-0002.00-00000 Assembling cam with 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 Quarter-Turns Pr20.1
	209-9002.00-00000 Sealing kit IP65 for Quarter-Turns Pr20.1



Quarter-Turn Pr20.1 L18 Stainless Steel

[7-080.01]

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+20
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R
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IP
65

IP
67

IP
69K

15
Nm

RoHS
WEEE



Advantages

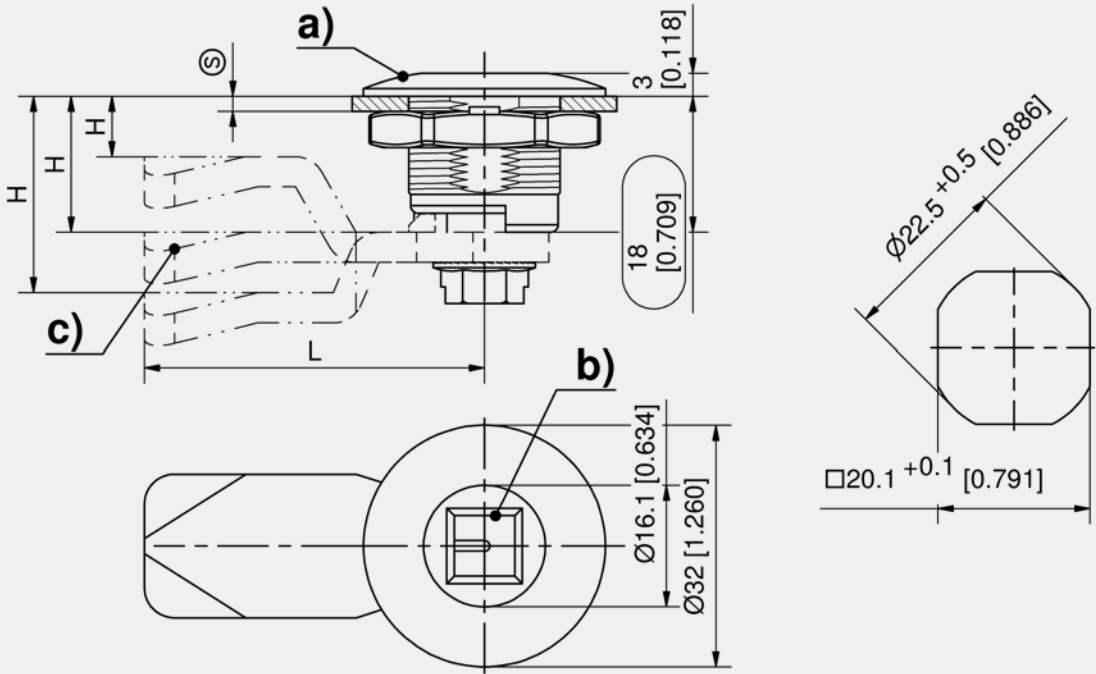
- Flat version.
- IP65 according to DIN EN 60529.
- IP67 according to DIN EN 60529 and IP69K according to DIN 40050 by additional o-ring (optional).
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled.
- The stainless steel quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

- **Housing and grounding nut:** AISI 316
- **Serrated screw:** AISI 304
- **O-ring:** NBR

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with insert and cam.



Quarter-Turn housing

	Part Number	Housing length	Installation type	Delivery Unit
a)	100-9601.00-00000	18 mm	screw-on	1 pc.

+	Accessories	Assembly options
b)	152 7-082 Insert Stainless Steel Pr20.1	200-0002.00-00000 Assembling cam with o-ring
c)	156 7-105 Cams L35/45 Stainless Steel	
	768 6-100 Wrench	
	766 6-101 Universal key	

*	Function extension
	200-1002.00-00000 O-ring 10 x 2.0mm

Quarter-Turn Pr20.1 L36

[1-110.01]

↕
+20
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R
L

⏚

IP
65/67

15
Nm

RoHS
WEEE



Advantages

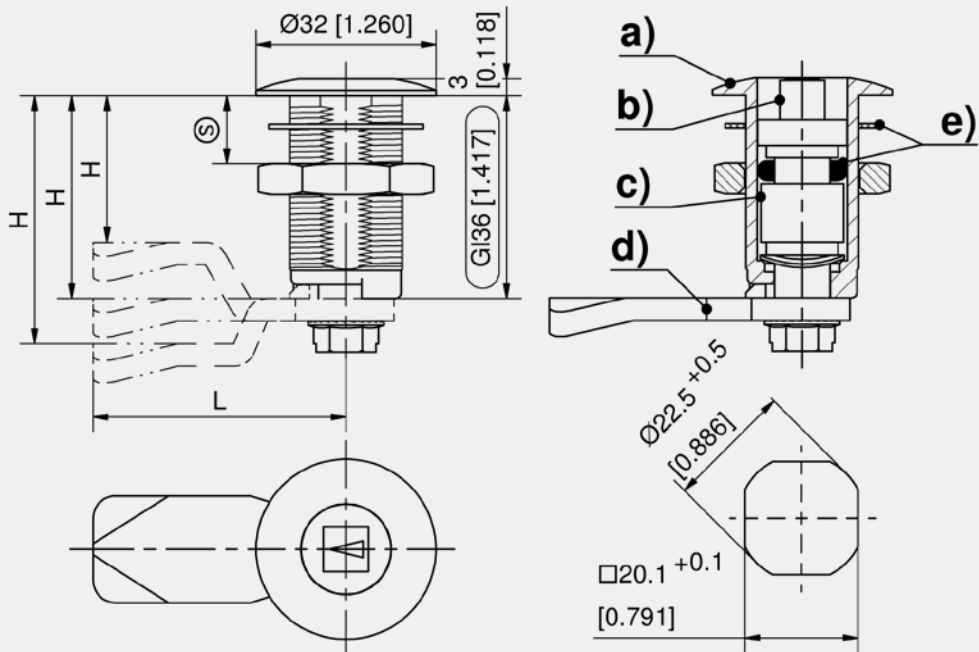
- Flat quarter-turn for cutout Pr20.1.
- IP65/67 according to DIN EN 60529 by sealing kit (optional).
- Grounding by grounding nut.
- RH / LH application.
- On request parts can be assembled.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

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

Remarks

Door-thickness (S) max. 26mm
Please configure the quarter-turn with insert (adapter) and cam.



Quarter-Turn housing

	Part Number	Surface	Grounding type	Installation type	Delivery Unit
a)	100-9065.40-00036	matte chrome plated		screw-on	10 pcs.
a)	100-9065.31-00036	glossy chrome plated		screw-on	10 pcs.
a)	100-9065.00-00000	black		screw-on	10 pcs.
a)	100-9070.00-00036	matte chrome plated	Grounding nut	screw-on	10 pcs.
a)	100-9068.00-00036	glossy chrome plated	Grounding nut	screw-on	10 pcs.
a)	100-9066.00-00036	black	Grounding nut	screw-on	10 pcs.

+	Accessories	Function extension
d)	154, 292 1-102 Cams L35/45 Steel	e) 209-9006.00-00000 Sealing kit IP65/IP67 for Quarter-Turns Pr20.1 L30-60
d)	160 1-260 Hooked Cam	
d)	161 1-261 Cams with Ramp	
d)	161 1-262 Cams variable	
b)	150 1-101 Inserts Pr20.1	

+	Specific accessories
c)	100-9206.00-00024 Adapter set L36





Advantages

- Extended quarter-turns for cutout Pr20.1.
- IP65/67 according to DIN EN 60529 by sealing kit (optional).
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled.
- The Quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

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

Remarks

(S) Door-thickness see table
Please configure the Quarter-turn with insert (adapter) and cam.
Negatively bent cams can not be installed pre-assembled.
By using inserts the adapter is optional, by using knobs the adapter is necessary.
1. nut
2. grounding nut

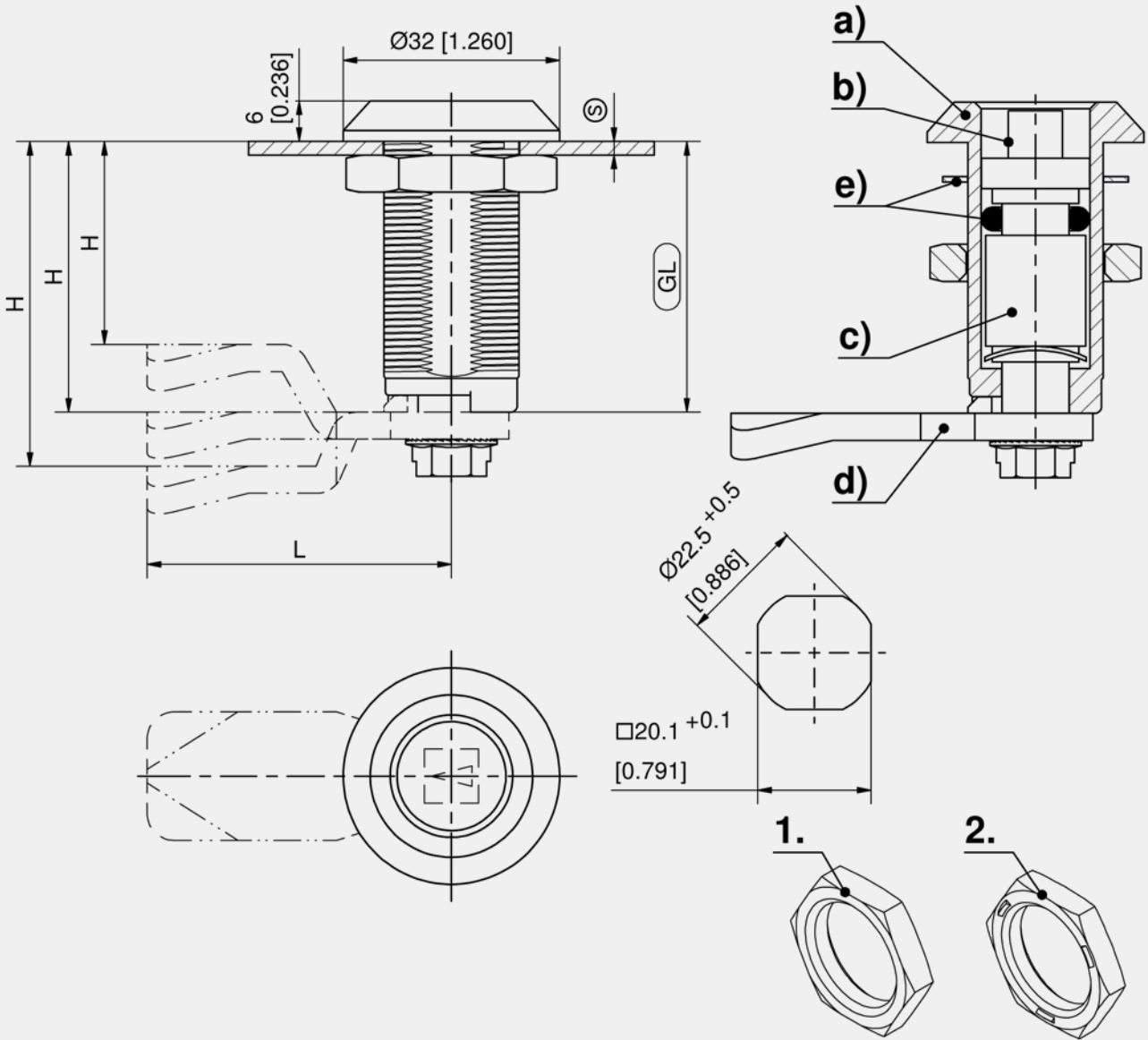
Quarter-Turn housing, zinc die, chrome plated + nut

	Part Number	Housing length	Door-thickness (S)	suitable Adapter set	Grounding type	Installation type	Delivery Unit
a)	200-9011.00-00000	30 mm	max. 20 mm	L20		screw-on	10 pcs.
a)	200-9012.00-00000	30 mm	max. 20 mm	L20	Grounding nut	screw-on	10 pcs.
a)	200-9015.00-00000	36 mm	max. 26 mm	L26		screw-on	10 pcs.
a)	200-9016.00-00000	36 mm	max. 26 mm	L26	Grounding nut	screw-on	10 pcs.
a)	200-9019.00-00000	40 mm	max. 30 mm	L30		screw-on	10 pcs.
a)	200-9020.00-00000	40 mm	max. 30 mm	L30	Grounding nut	screw-on	10 pcs.
a)	200-9023.00-00000	50 mm	max. 40 mm	L40		screw-on	10 pcs.
a)	200-9024.00-00000	50 mm	max. 40 mm	L40	Grounding nut	screw-on	10 pcs.
a)	200-9027.00-00000	60 mm	max. 50 mm	L50		screw-on	10 pcs.
a)	200-9028.00-00000	60 mm	max. 50 mm	L50	Grounding nut	screw-on	10 pcs.

Quarter-Turn housing, zinc die, black + nut

	Part Number	Housing length	Door-thickness (S)	suitable Adapter set	Grounding type	Installation type	Delivery Unit
a)	200-9013.00-00000	30 mm	max. 20 mm	L20		screw-on	10 pcs.
a)	200-9014.00-00000	30 mm	max. 20 mm	L20	Grounding nut	screw-on	10 pcs.
a)	200-9017.00-00000	36 mm	max. 26 mm	L26		screw-on	10 pcs.
a)	200-9018.00-00000	36 mm	max. 26 mm	L26	Grounding nut	screw-on	10 pcs.
a)	200-9021.00-00000	40 mm	max. 30 mm	L30		screw-on	10 pcs.
a)	200-9022.00-00000	40 mm	max. 30 mm	L30	Grounding nut	screw-on	10 pcs.
a)	200-9025.00-00000	50 mm	max. 40 mm	L40		screw-on	10 pcs.
a)	200-9026.00-00000	50 mm	max. 40 mm	L40	Grounding nut	screw-on	10 pcs.
a)	200-9029.00-00000	60 mm	max. 50 mm	L50		screw-on	10 pcs.
a)	200-9030.00-00000	60 mm	max. 50 mm	L50	Grounding nut	screw-on	10 pcs.

+	Accessories
b)	150 1-101 Inserts Pr20.1
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
d)	154, 292 1-102 Cams L35/45 Steel
	160 1-260 Hooked Cam
	161 1-262 Cams variable
	167 1-115 Handles for Quarter-turns Pr20.1
	170 1-270 Dust Caps and Sealing Plug Pr20.1
	172 1-270.01 Finger Pull for Quarter-Turn Pr20.1
	169 1-275 Emergency Handle + Anti-Rotation Device Pr20.1
	768 6-100 Wrench
	766 6-101 Universal key
⚙	Assembly options
	200-0003.00-00000 Assembling adapter without o-ring
	200-0004.00-00000 Assembling adapter, with 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
e)	209-9006.00-00000 Sealing kit IP65/IP67 for Quarter-Turns Pr20.1 L30-60





Advantages

- Flat version.
- Marked red / green (padlock) on the housing top.
- Housing L18 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).
- A pre-assembled quarter-turn can be installed through the cutout.
- Grounding by grounding nut.
- RH and LH version.

Materials

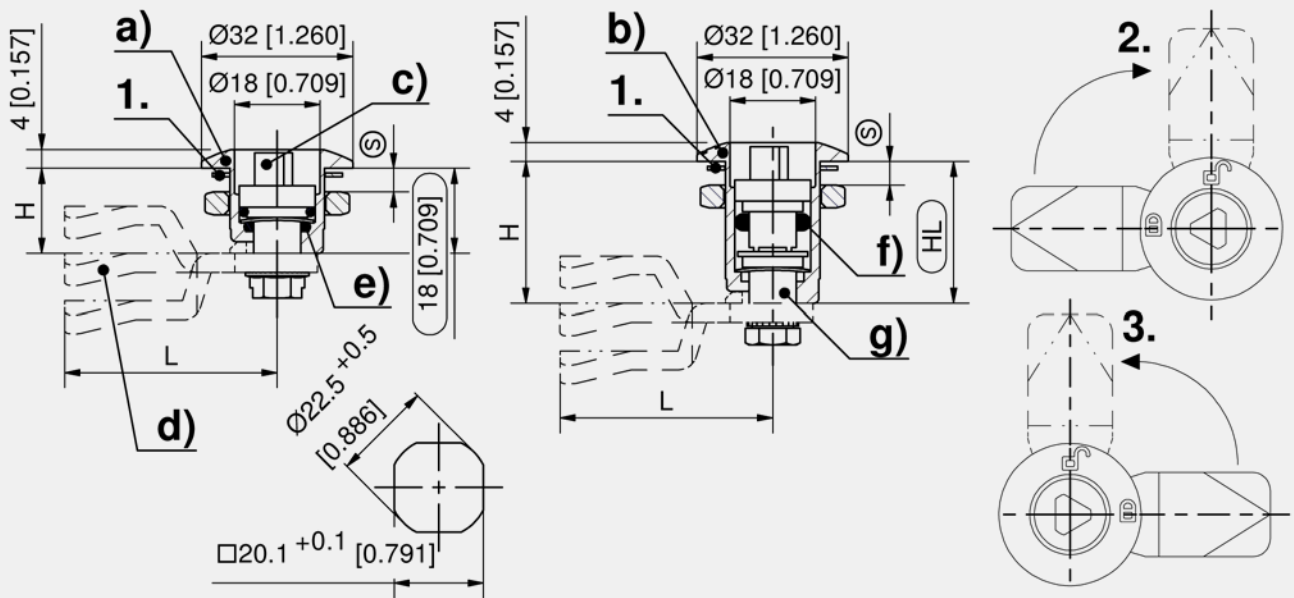
- Housing, adapter and grounding nut: AISI 316
- Flat external seal: NBR

Remarks

Please configure the quarter-turn with insert and cam.

Adapter sets can consist of one or more separate extensions.

1. flat external seal
2. RH version
3. LH version



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

	Part Number	Housing length	Door-thickness (S)	Version	suitable Adapter set	Installation type	Delivery Unit
a)	100-9092.RH-00000	18 mm	max. 8 mm	RH version		screw-on	1 pc.
a)	100-9092.LH-00000	18 mm	max. 8 mm	LH version		screw-on	1 pc.
b)	100-9093.RH-00000	30 mm	max. 20 mm	RH version	L14	screw-on	1 pc.
b)	100-9093.LH-00000	30 mm	max. 20 mm	LH version	L14	screw-on	1 pc.
b)	100-9094.RH-00000	36 mm	max. 26 mm	RH version	L21	screw-on	1 pc.
b)	100-9094.LH-00000	36 mm	max. 26 mm	LH version	L21	screw-on	1 pc.
b)	100-9095.RH-00000	50 mm	max. 40 mm	RH version	L33	screw-on	1 pc.
b)	100-9095.LH-00000	50 mm	max. 40 mm	LH version	L33	screw-on	1 pc.

+	Accessories
c)	152 7-082 Insert Stainless Steel Pr20.1
d)	156 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
768	6-100 Wrench
766	6-101 Universal key

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



Advantages

- Housing L18 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).
- A pre-assembled quarter-turn can be installed through the cutout.
- Grounding by grounding nut.
- RH/LH application.

Materials

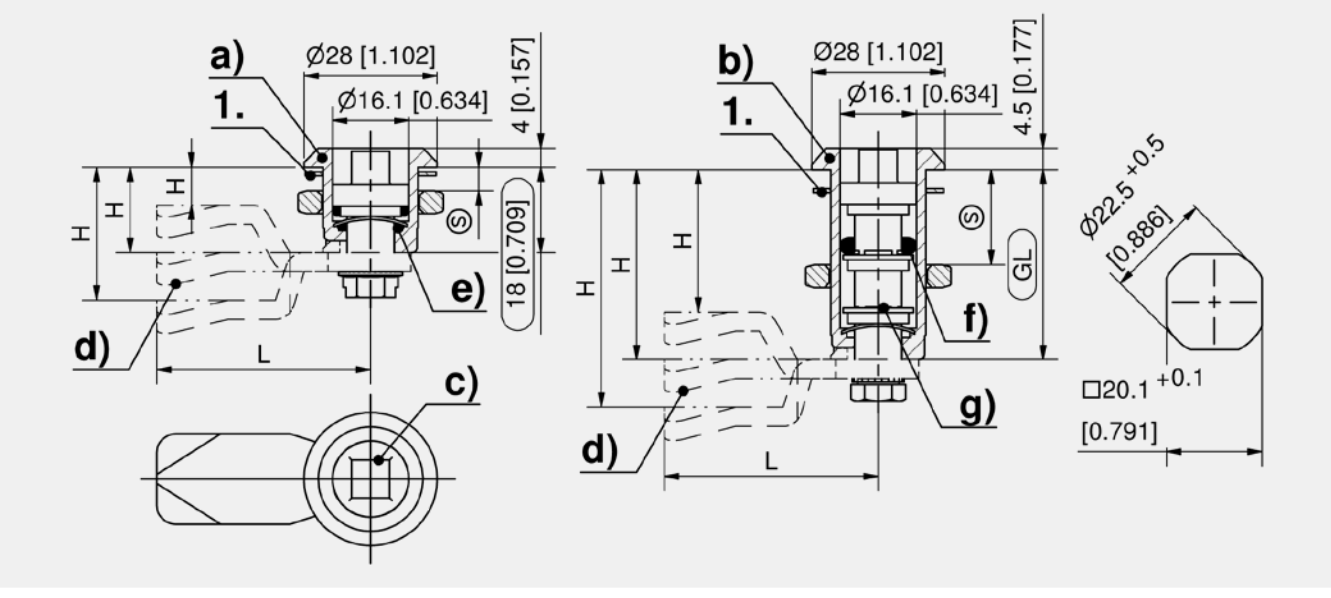
- Housing: AISI 303 or AISI 316
- Grounding nut and adapter: AISI 316
- O-ring and flat external seal: NBR

Remarks

Please configure the quarter-turn with insert and cam.

Adapter sets can consist of one or more separate extensions.

1. flat external seal



Housing with flat external seal and single sided grounding nut

	Part Number	Housing length	Door-thickness (S)	suitable Adapter set	Material	Installation type	Delivery Unit
a)	200-9043.00-00000	18 mm	max. 8 mm		AISI 316	screw-on	1 pc.
b)	200-9072.00-00000	30 mm	max. 20 mm	L14	AISI 303	screw-on	1 pc.
b)	100-9024.00-00000	36 mm	max. 26 mm	L21	AISI 303	screw-on	1 pc.
b)	200-9073.00-00000	40 mm	max. 30 mm	L25	AISI 303	screw-on	1 pc.
b)	200-9074.00-00000	50 mm	max. 40 mm	L33	AISI 303	screw-on	1 pc.
b)	200-9075.00-00000	60 mm	max. 50 mm	L44	AISI 303	screw-on	1 pc.

+	Accessories
c)	152 7-082 Insert Stainless Steel Pr20.1
d)	156 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)	100-9021.00-00000 Adapter set L25
g)	100-9022.00-00000 Adapter set L33
g)	100-9023.00-00000 Adapter set L44
170	1-270 Dust Caps and Sealing Plug Pr20.1
172	1-270.01 Finger Pull for Quarter-Turn Pr20.1
768	6-100 Wrench
766	6-101 Universal key

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



Quarter-Turn Pr20.1 with Square Threaded Rod [1-100.02]



Advantages

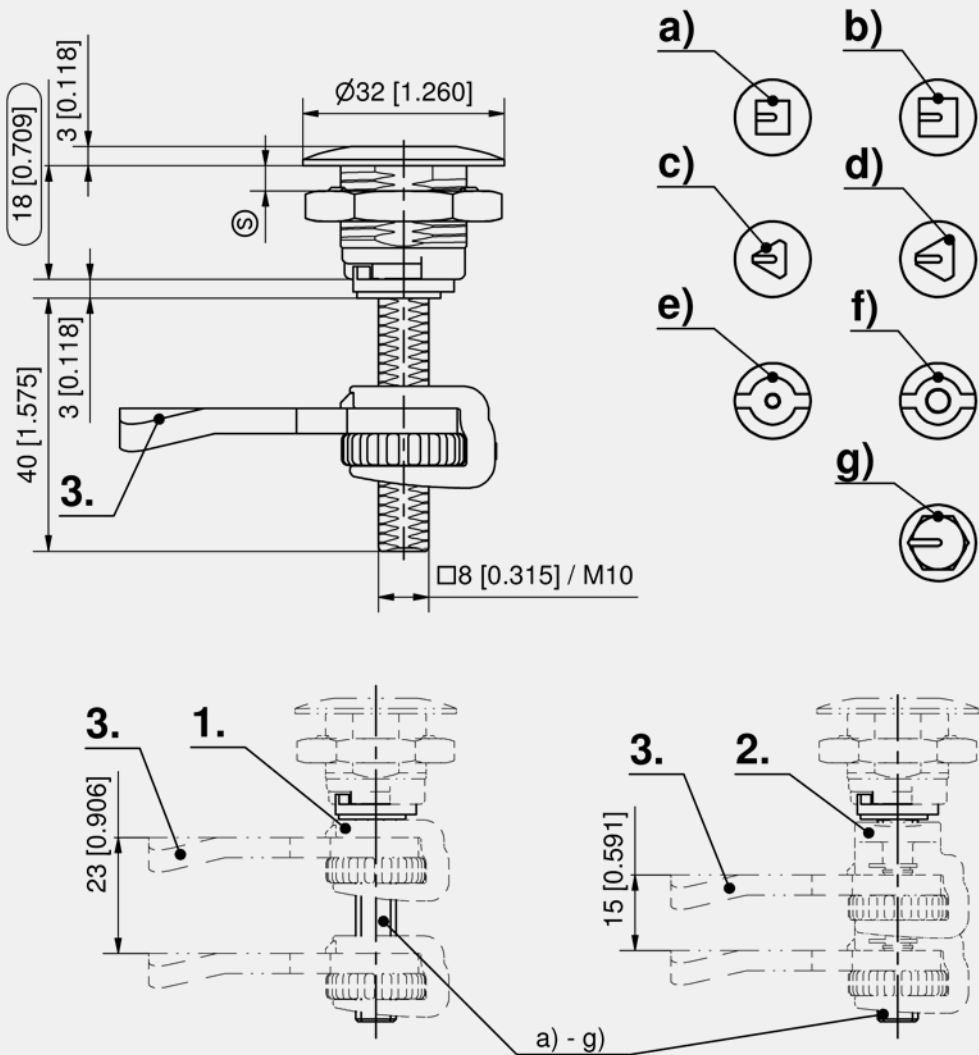
- Flush quarter-turn for cutout Pr.20.1.
- Square threaded rod 40mm.
- Adjustability of the cam by the catch for standard cams 2-151.02 and 3-point cam with H-dimension adjustment 2-151.01.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding clip or grounding nut.

Materials

- **Housing and insert:** zinc die, chrome plated
- **Nut:** steel, zinc plated
- **Grounding nut:** zinc die, zinc plated
- **Grounding clip:** stainless steel
- **O-ring:** NBR

Remarks

- (S) Door-thickness max. 8mm
- Pre-assembled **without** cam.
- 1. 2-151.02
- 2. 2-151.01
- 3. cam



Quarter-Turn with insert

	Part Number	Insert	Grounding type	Installation type	Delivery Unit
a)	100-9801.00-11940	Square 7mm		screw-on	10 pcs.
b)	100-9801.00-12040	Square 8mm		screw-on	10 pcs.
c)	100-9801.00-12140	Triangular 7mm		screw-on	10 pcs.
d)	100-9801.00-12240	Triangular 8mm		screw-on	10 pcs.
e)	100-9801.00-12340	Double bit 3mm pin		screw-on	10 pcs.
f)	100-9801.00-12440	Double bit 5mm pin		screw-on	10 pcs.
g)	100-9801.00-12540	Hex. SW 11		screw-on	10 pcs.
a)	100-9802.00-11940	Square 7mm	Grounding nut	screw-on	10 pcs.
b)	100-9802.00-12040	Square 8mm	Grounding nut	screw-on	10 pcs.
c)	100-9802.00-12140	Triangular 7mm	Grounding nut	screw-on	10 pcs.
d)	100-9802.00-12240	Triangular 8mm	Grounding nut	screw-on	10 pcs.
e)	100-9802.00-12340	Double bit 3mm pin	Grounding nut	screw-on	10 pcs.
f)	100-9802.00-12440	Double bit 5mm pin	Grounding nut	screw-on	10 pcs.
g)	100-9802.00-12540	Hex. SW 11	Grounding nut	screw-on	10 pcs.
a)	100-9803.00-11940	Square 7mm	Grounding clip	screw-on	10 pcs.
b)	100-9803.00-12040	Square 8mm	Grounding clip	screw-on	10 pcs.
c)	100-9803.00-12140	Triangular 7mm	Grounding clip	screw-on	10 pcs.
d)	100-9803.00-12240	Triangular 8mm	Grounding clip	screw-on	10 pcs.
e)	100-9803.00-12340	Double bit 3mm pin	Grounding clip	screw-on	10 pcs.
f)	100-9803.00-12440	Double bit 5mm pin	Grounding clip	screw-on	10 pcs.
g)	100-9803.00-12540	Hex. SW 11	Grounding clip	screw-on	10 pcs.

	Accessories
154, 292	1-102 Cams L35/45 Steel
179, 283	1-170 Round Rods with Eye
180, 284	1-180 Round Rods for Adapter
184, 288	1-191 Height-adjustable Rod Guide RS
178, 298	2-151.01 3-Point Adapter with Adjustment
173, 300	2-151.02 Adjustment
768	6-100 Wrench
766	6-101 Universal key



Quarter-Turn with Conical Square Insert Pr20.1 L18 [1-210]



Advantages

- IP65 according to DIN EN 60529 by sealing kit (optional).
- RH / LH application.
- On request parts can be assembled by DIRAK.
- A pre-assembled quarter-turn can be installed in the cutout.

Materials

- **Housing:** zinc die, chrome plated or black
- **Nut:** steel, zinc plated
- **Insert:** steel, zinc plated, or zinc die, chrome plated

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with insert and cam.
On request parts can be assembled by DIRAK.

Cylinder Quarter-Turn Polyamide Pr20.1 L18 [1-121]

[1-121]



Advantages

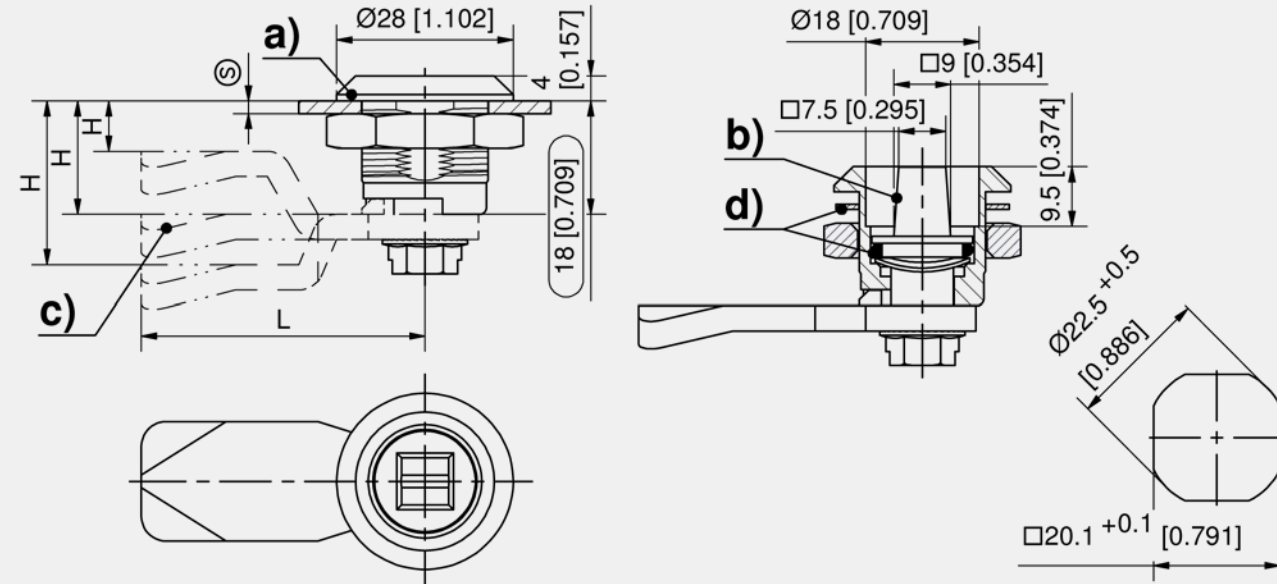
- For cutout Pr20.1.
- Protective insulated and vibration-proof.
- IP65 according to DIN EN 60529 by dust cap 200-4101 (optional).
- IP65/67 according to DIN EN 60529 by dust cap 200-4103 (optional).
- RH / LH application.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.
- 2 keys included in scope of delivery.

Materials

- **Housing:** PA, black
- **Nut:** PA, black, steel, zinc plated or stainless steel

Remarks

(S) Door-thickness max. 8mm
Completely pre-assembled **without** cam.



Quarter-Turn housing, zinc die

	Part Number	Surface	Housing length	Installation type	Delivery Unit
a)	200-9065.00-00000	chrome plated	18 mm	screw-on	10 pcs.
a)	200-9086.00-00000	black	18 mm	screw-on	10 pcs.

Inserts

	Part Number	Insert	Material	Surface	Delivery Unit
b)	200-9138.00-00000	Conical square 9mm	zinc die	chrome plated	10 pcs.
b)	200-9175.00-00000	Conical square 9mm	steel	zinc plated	10 pcs.
b)	200-9183.00-00000	Conical square 9mm	steel	chrome plated	10 pcs.

+	Accessories	Assembly options
c)	154, 292 1-102 Cams L35/45 Steel	200-0001.00-00000 Assembling cam without o-ring
c)	161 1-262 Cams variable	200-0002.00-00000 Assembling cam with o-ring
c)	770 6-105 Keys for the Railway Sector	
*	Function extension	
d)	209-9002.00-00000 Sealing kit IP65 for Quarter-Turns Pr20.1	

Cylinder quarter-turn

	Part Number	Latching type	Surface nut	Installation type	Delivery Unit
a)	200-9210.00-00000	keyed alike DIRAK 1333	black	screw-on	1 pc.
a)	200-9211.00-00000	keyed alike DIRAK 1333	zinc plated	screw-on	1 pc.
a)	200-9212.00-00000	keyed alike DIRAK 1333	stainless steel	screw-on	1 pc.
a)	200-9213.00-00000	keyed different	black	screw-on	1 pc.
a)	200-9214.00-00000	keyed different	zinc plated	screw-on	1 pc.
a)	200-9215.00-00000	keyed different	stainless steel	screw-on	1 pc.

+	Accessories	Assembly options
b)	71 200-5318.00-00000 PA cam, L35mm / H18mm	200-0001.00-00000 Assembling cam without o-ring
b)	71 200-5320.00-00000 PA cam, L35mm / H20mm	
b)	71 200-5322.00-00000 PA cam, L35mm / H22mm	
b)	71 200-5325.00-00000 PA cam, L35mm / H25mm	
b)	71 200-5328.00-00000 PA cam, L35mm / H28mm	
c)	154, 292 1-102 Cams L35/45 Steel	
c)	160 1-260 Hooked Cam	
d)	172 1-270.01 Finger Pull for Quarter-Turn Pr20.1	
*	Function extension	
e)	170 200-4101.00-00000 Dust cap	
e)	170 200-4103.00-00000 Dust cap	





Advantages

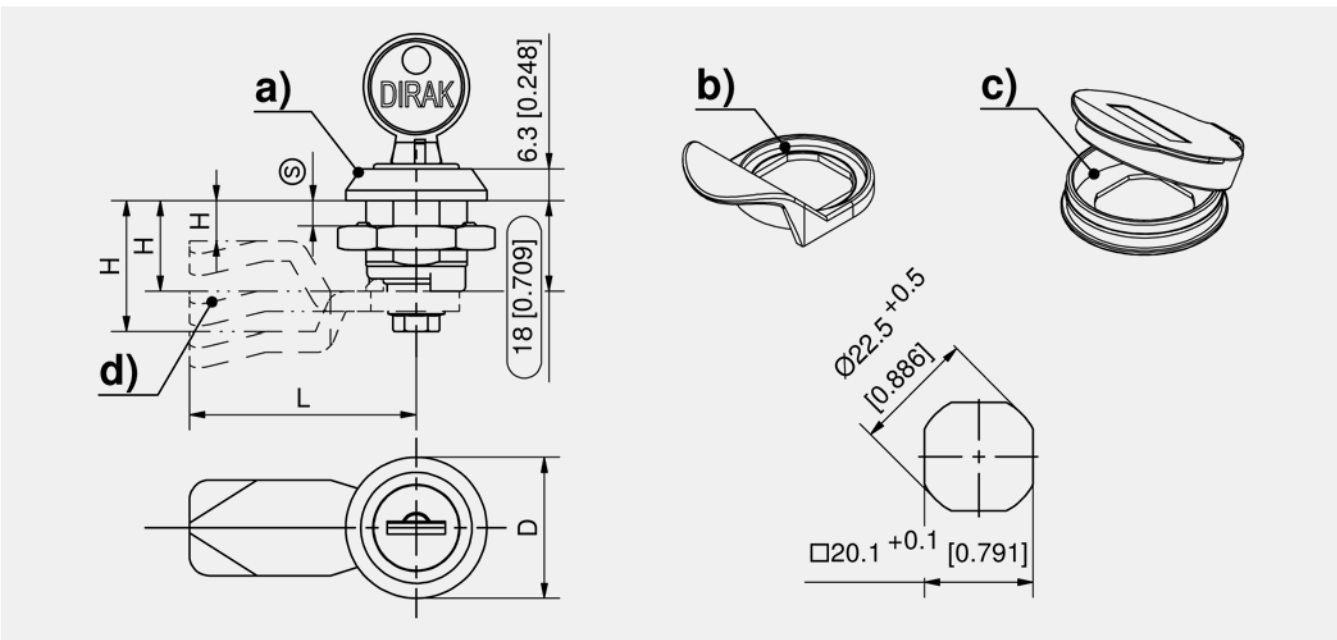
- For cutout Pr20.1.
- IP65 according to DIN EN 60529 by dust cap 200-4101 (optional).
- IP65/67 according to DIN EN 60529 by dust cap 200-4103 (optional).
- RH / LH application.
- Grounding by grounding nut.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.
- 2 keys included.
- With stainless steel cylinder cover and dust-shutter.

Materials

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

Remarks

(S) Door-thickness max. 8mm
Completely pre-assembled **without** cam.
Maximum load for the key 4Nm.



Cylinder quarter-turn, zinc die

	Part Number	Head diameter	Latching type	Surface	Installation type	Delivery Unit
a)	200-9201.00-00000	Ø28	keyed alike DIRAK 1333	chrome plated	screw-on	1 pc.
a)	500-9201.00-00000	Ø28	keyed alike DS200	chrome plated	screw-on	1 pc.
a)	200-9203.00-00000	Ø28	keyed different	chrome plated	screw-on	1 pc.
a)	200-9202.00-00000	Ø28	keyed alike DIRAK 1333	black	screw-on	1 pc.
a)	500-9202.00-00000	Ø28	keyed alike DS200	black	screw-on	1 pc.
a)	200-9204.00-00000	Ø28	keyed different	black	screw-on	1 pc.
a)	200-9205.00-00000	Ø32	keyed alike DIRAK 1333	chrome plated	screw-on	1 pc.
a)	500-9205.00-00000	Ø32	keyed alike DS200	chrome plated	screw-on	1 pc.
a)	200-9207.00-00000	Ø32	keyed different	chrome plated	screw-on	1 pc.
a)	200-9206.00-00000	Ø32	keyed alike DIRAK 1333	black	screw-on	1 pc.
a)	500-9206.00-00000	Ø32	keyed alike DS200	black	screw-on	1 pc.
a)	200-9208.00-00000	Ø32	keyed different	black	screw-on	1 pc.

+	Accessories
b)	172 1-270.01 Finger Pull for Quarter-Turn Pr20.1
c)	170 200-4101.00-00000 Dust cap
c)	170 200-4103.00-00000 Dust cap
d)	154, 292 1-102 Cams L35/45 Steel
d)	161 1-262 Cams variable

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



Advantages

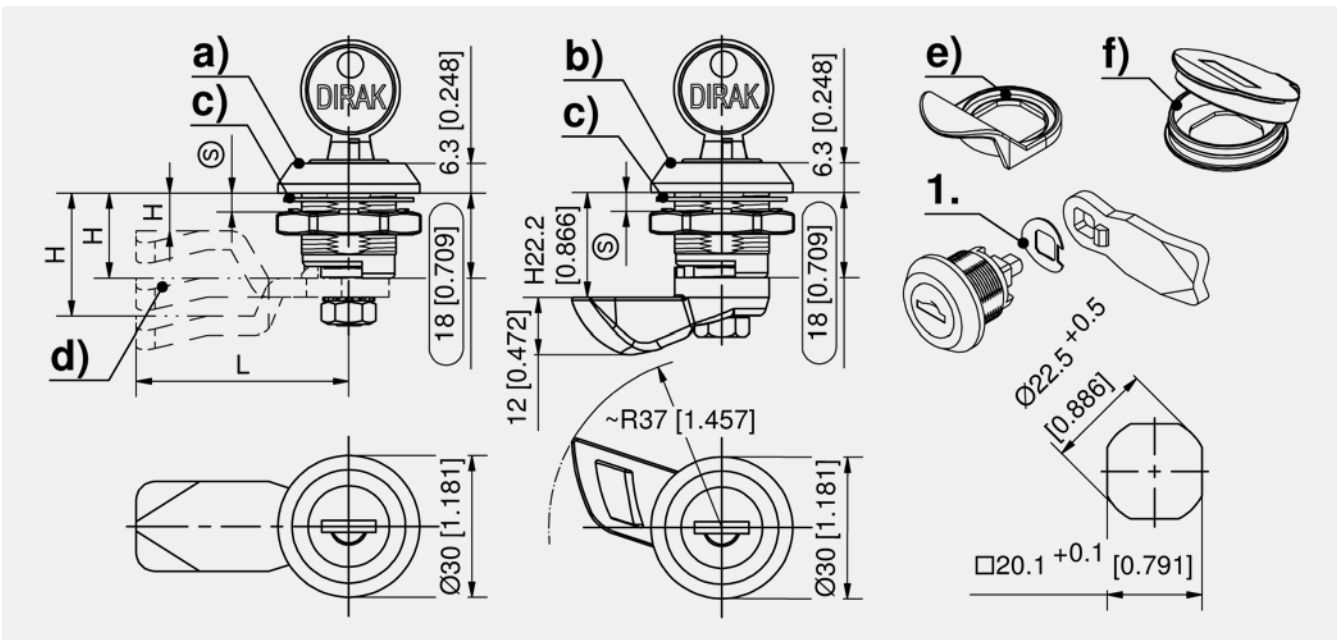
- For cutout 20.1.
- Grounding by grounding nut.
- **Version a)**
- RH / LH application.
- For stability the cam is secured by a nut DIN 934.
- **Version b)**
- RH and LH version.
- To insure it turns freely, the slam-cam is secured by a shoulder screw.

Materials

- **Housing, grounding nut, adapter and hexagon nut:** AISI 316
- **Spring washer:** AISI 301
- **Cylinder barre:** stainless steel

Remarks

(S) Door-thickness max. 8mm
IP65 according to DIN EN 60529 only **with** dustcap, see product system 1-270.
1. mounting position of the spring washer



Cylinder quarter-turn

	Part Number	Latching type	Installation type	Delivery Unit
a)	200-9232.00-00000	keyed alike DIRAK 1333	screw-on	1 pc.
a)	200-9233.00-00000	keyed different	screw-on	1 pc.

Cylinder quarter-turn with slam cam

	Part Number	Latching type	Version	Installation type	Delivery Unit
b)	200-9236.00-01333	keyed alike DIRAK 1333	RH version	screw-on	1 pc.
b)	200-9236.00-99999	keyed different	RH version	screw-on	1 pc.
b)	200-9237.00-01333	keyed alike DIRAK 1333	LH version	screw-on	1 pc.
b)	200-9237.00-99999	keyed different	LH version	screw-on	1 pc.

+	Accessories
c)	200-0901.00-00000 Flat external seal 20.1, Ø22.5mm
d)	156 7-105 Cams L35/45 Stainless Steel
e)	172 1-270.01 Finger Pull for Quarter-Turn Pr20.1
f)	170 1-270 Dust Caps and Sealing Plug Pr20.1



DST Cylinder Quarter-Turn Pr32x20 L22

[1-120DST]

DST



RoHS
WEEE



Advantages

- Flush quarter-turn for cutout 32x20mm.
- Rectangular cutout guarantees a perfect alignment.
- 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.
- RH / LH application.
- The quarter-turn can be snapped-in as a completely pre-assembled unit.
- Installation tool-less and vibration-proof.
- Blind installation in closed profiles.
- 2 keys included.
- With stainless cylinder cover and dust-shutter.

Materials

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

Remarks

- H-dimension of the cam L=35 ≥12mm
- H-dimension of the cam L=45 ≥6mm
- Maximum load for the key 4Nm.
- Completely pre-assembled **without** cam.
- Grounding by grounding clip 200-1103.04.00000 on request.
- 1. rotatable bottom for RH/LH

Cylinder Quarter-Turn Pr20.1 L30-50

[1-120.01]

Advantages

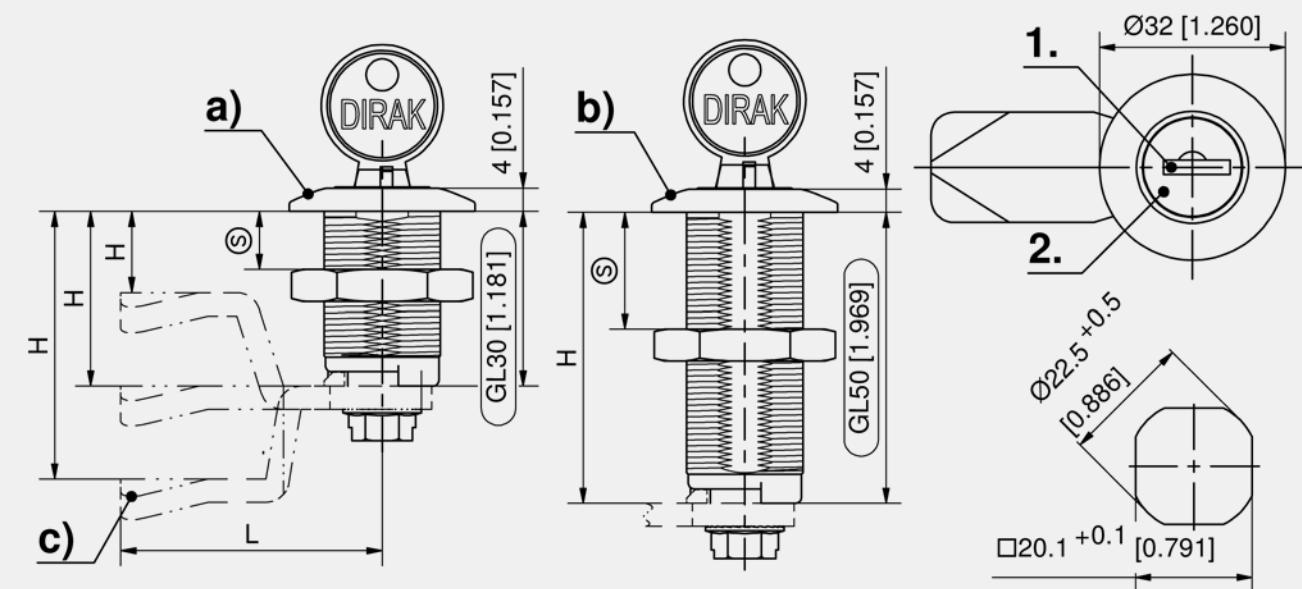
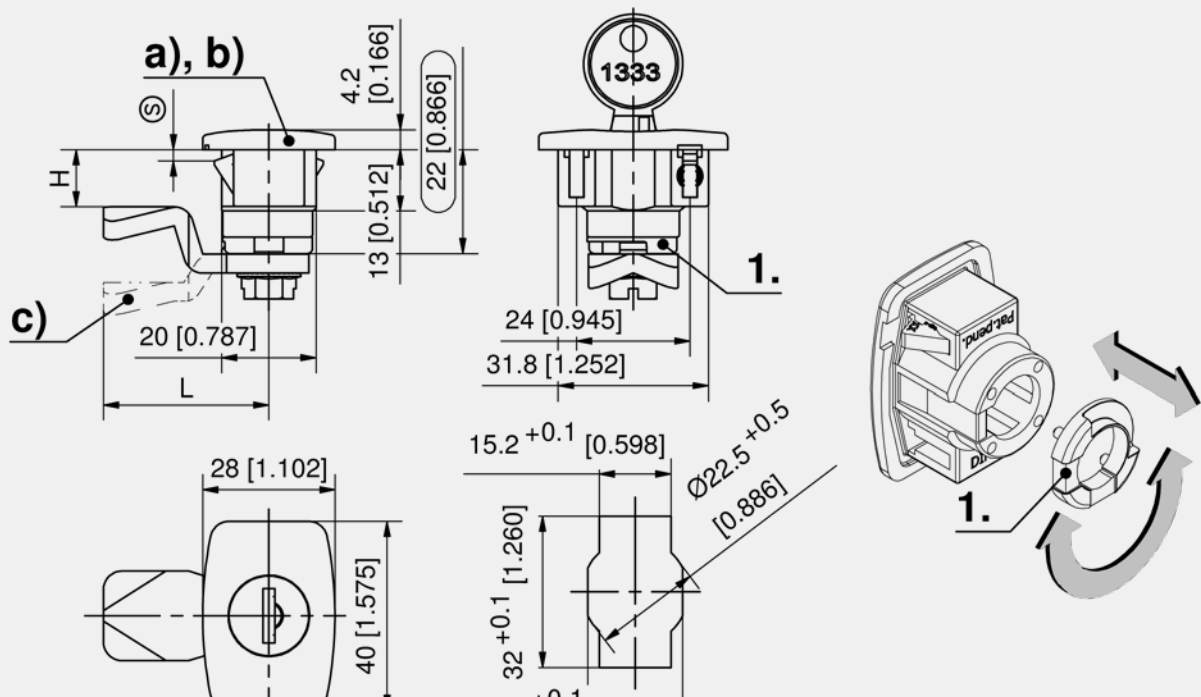
- Flush cylinder quarter-turn for cutout Pr20.1.
- Different housing lengths.
- IP65 according to DIN EN 60529 by dust cap 200-4101 (optional).
- IP65/IP67 according to DIN EN 60529 by dust cap 200-4103 (optional).
- RH / LH application.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.
- 2 keys are included in the scope of delivery.
- With stainless cylinder cover and dust-shutter.

Materials

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

Remarks

- Completely pre-assembled **without** cam.
- Negatively bent cams can **not** be installed pre-assembled
- Maximum load for the key 4 Nm.
- 1. dust-shutter
- 2. cylinder cover



Cylinder quarter-turn, zinc die

	Part Number	Housing length	Latching type	Door-thickness (S)	Surface	Installation type	Delivery Unit
a)	100-9081.00-10030	30 mm	keyed alike DIRAK 1333	max. 20 mm	chrome plated	screw-on	1 pc.
b)	100-9081.00-10050	50 mm	keyed alike DIRAK 1333	max. 40 mm	chrome plated	screw-on	1 pc.
a)	100-9081.00-20030	30 mm	keyed alike DIRAK 1333	max. 20 mm	black	screw-on	1 pc.
b)	100-9081.00-20050	50 mm	keyed alike DIRAK 1333	max. 40 mm	black	screw-on	1 pc.
a)	100-9082.00-10030	30 mm	keyed different	max. 20 mm	chrome plated	screw-on	1 pc.
b)	100-9082.00-10050	50 mm	keyed different	max. 40 mm	chrome plated	screw-on	1 pc.
a)	100-9082.00-20030	30 mm	keyed different	max. 20 mm	black	screw-on	1 pc.
b)	100-9082.00-20050	50 mm	keyed different	max. 40 mm	black	screw-on	1 pc.
a)	100-9083.00-10030	30 mm	keyed alike DS200	max. 20 mm	chrome plated	screw-on	1 pc.
b)	100-9083.00-10050	50 mm	keyed alike DS200	max. 40 mm	chrome plated	screw-on	1 pc.
a)	100-9083.00-20030	30 mm	keyed alike DS200	max. 20 mm	black	screw-on	1 pc.
b)	100-9083.00-20050	50 mm	keyed alike DS200	max. 40 mm	black	screw-on	1 pc.

+	Accessories
c)	154, 292 1-102 Cams L35/45 Steel
c)	161 1-262 Cams variable
c)	170 1-270 Dust Caps and Sealing Plug Pr20.1
c)	172 1-270.01 Finger Pull for Quarter-Turn Pr20.1

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

Cylinder quarter-turn, zinc die

	Part Number	Clamping range (S)	Latching type	Surface	Installation type	Delivery Unit
a)	406-9007.00-00013	1.0 - 1.7 mm	keyed alike DIRAK 1333	chrome plated	tool-less	1 pc.
a)	406-9007.00-00018	1.5 - 2.2 mm	keyed alike DIRAK 1333	chrome plated	tool-less	1 pc.
a)	406-9007.00-00026	2.3 - 3.0 mm	keyed alike DIRAK 1333	chrome plated	tool-less	1 pc.
b)	406-9008.00-00013	1.0 - 1.7 mm	keyed different	chrome plated	tool-less	1 pc.
b)	406-9008.00-00018	1.5 - 2.2 mm	keyed different	chrome plated	tool-less	1 pc.
b)	406-9008.00-00026	2.3 - 3.0 mm	keyed different	chrome plated	tool-less	1 pc.
a)	406-9009.00-00013	1.0 - 1.7 mm	keyed alike DIRAK 1333	black	tool-less	1 pc.
a)	406-9009.00-00018	1.5 - 2.2 mm	keyed alike DIRAK 1333	black	tool-less	1 pc.
a)	406-9009.00-00026	2.3 - 3.0 mm	keyed alike DIRAK 1333	black	tool-less	1 pc.
b)	406-9010.00-00013	1.0 - 1.7 mm	keyed different	black	tool-less	1 pc.
b)	406-9010.00-00018	1.5 - 2.2 mm	keyed different	black	tool-less	1 pc.
b)	406-9010.00-00026	2.3 - 3.0 mm	keyed different	black	tool-less	1 pc.

+	Accessories
c)	154, 292 1-102 Cams L35/45 Steel
c)	161 1-262 Cams variable



Quarter-Turn with Combination Lock Pr20.1 L18 [1-125]



Advantages

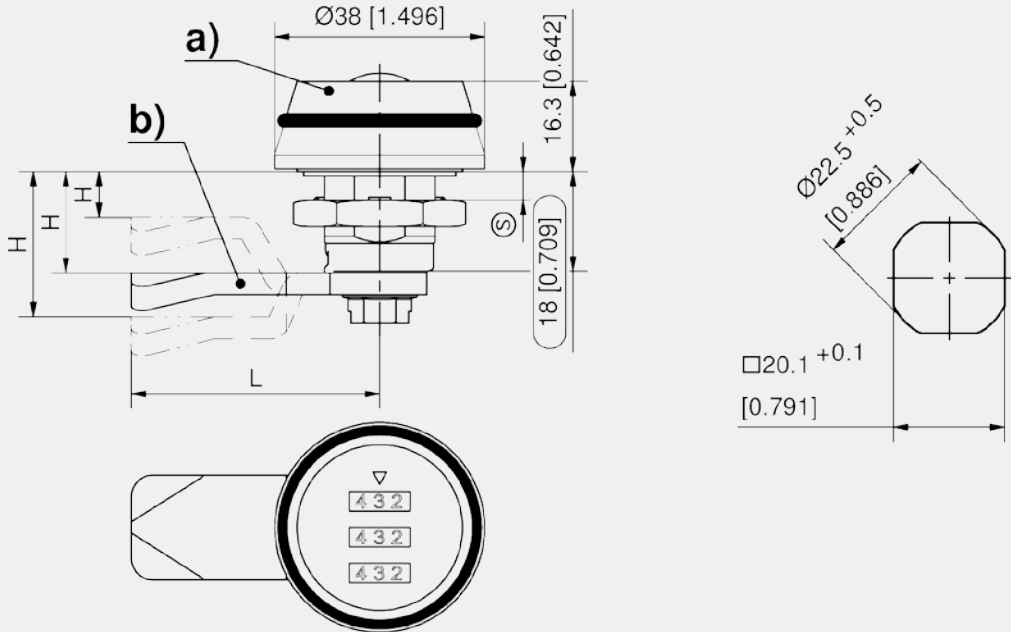
- For cutout Pr20.1.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- O-ring on handle improves grip.
- For combination set or reset please refer to enclosed instructions.
- Modifying the combination **just** in open state possible.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

- **Handle and housing:** zinc die, chrome plated or black
- **O-ring:** Perbunan
- **Grounding nut:** zinc die, untreated

Remarks

(S) Door-thickness max. 8mm
Completely pre-assembled **without** cam.



Quarter-Turn, zinc die

	Part Number	Surface	Housing length	Installation type	Delivery Unit
a)	100-9301.00-00000	chrome plated	18 mm	screw-on	10 pcs.
a)	100-9302.00-00000	black	18 mm	screw-on	10 pcs.

+	Accessories
b)	154, 292 1-102 Cams L35/45 Steel



all product details
on DIRAK.com

Quarter-Turn with Stepped Cam Pr20.1 L18-60 [1-200]



Advantages

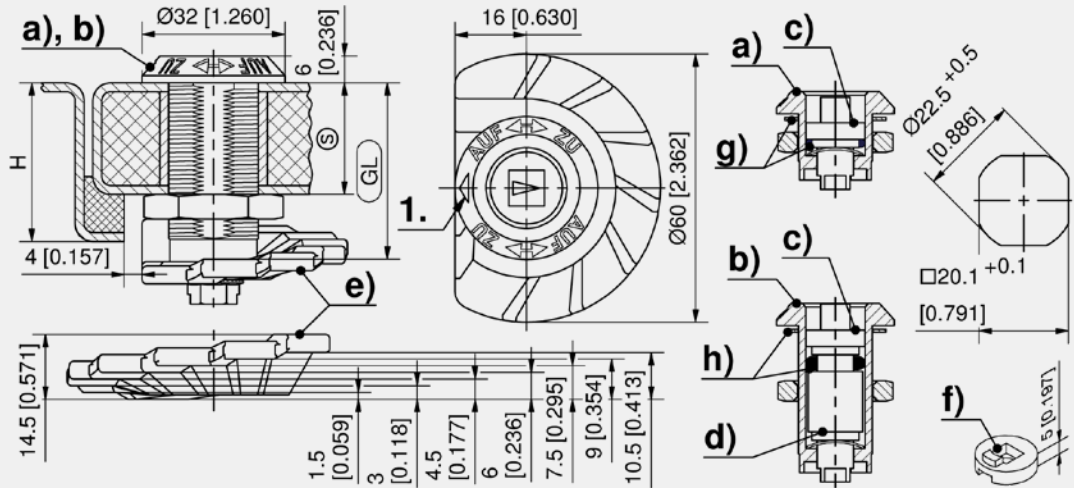
- Quarter-turn for large tolerances and greater compression possibilities.
- The locking direction is always clockwise.
- When installed, the arrow must point to the frame. In this case the flat side of the cam is parallel to the frame.
- Marking of housing - " Auf/Zu" (Open/Closed).
- IP65/67 according to DIN EN 60529 by using sealing kit (optional).
- RH / LH application.
- Housing extension f) for increasing the housing length by 5mm.

Materials

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

Remarks

(S) Door-thickness see table
Sealing kit **g)** for GL18: 209-9002
Sealing kit **h)** from GL30: 209-9006
When using knobs the adapter is necessary.
Please configure the quarter-turn with insert and cam.
1. arrow pointing towards frame



Quarter-Turn housing

	Part Number	Housing length	Door-thickness (S)	variable H-dimension	suitable Adapter set	Installation type	Delivery Unit
a)	200-9038.00-00000	18 mm	max. 8 mm	8 - 18 mm		screw-on	10 pcs.
b)	200-9039.00-00000	30 mm	max. 20 mm	20 - 30 mm	L20	screw-on	10 pcs.
b)	200-9040.00-00000	36 mm	max. 26 mm	26 - 36 mm	L26	screw-on	10 pcs.
b)	200-9041.00-00000	40 mm	max. 30 mm	30 - 40 mm	L30	screw-on	10 pcs.
b)	200-9042.00-00000	50 mm	max. 40 mm	40 - 50 mm	L40	screw-on	10 pcs.
b)	200-9047.00-00000	60 mm	max. 50 mm	50 - 60 mm	L50	screw-on	10 pcs.

Stepped cam

	Part Number	Stop	Delivery Unit
e)	200-2903.00-00000	No	10 pcs.
e)	200-2904.00-00000	Yes	10 pcs.

+	Accessories
c)	150 1-101 Inserts Pr20.1
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)	200-2803.30-00005 Housing extension
768	6-100 Wrench
766	6-101 Universal key

*	Function extension
g)	209-9002.00-00000 Sealing kit IP65 for Quarter-Turns Pr20.1
h)	209-9006.00-00000 Sealing kit IP65/IP67 for Quarter-Turns Pr20.1 L30-60



all product details
on DIRAK.com

DIN 61373

R L

120°

RoHS WEEE



Advantages

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

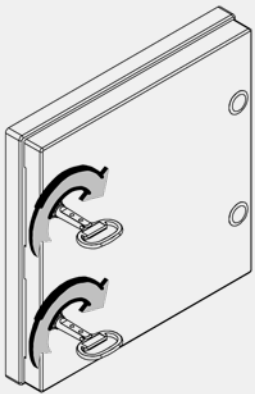
Materials

- **Door- and frame-part:** zinc die, zinc plated
- **Lock Washer and counter-sunk screw:** steel, zinc plated
- **Lock Washer:** stainless steel

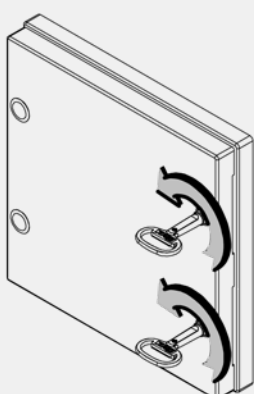
Remarks

- The fastening of the door-part can be done by welding studs max. M6x8mm.
1. installation instruction for fastening washer
 2. blind plug
 3. door-notch 92 x 2mm
 4. door
 5. frame
 6. (S) door-thickness max. 8mm

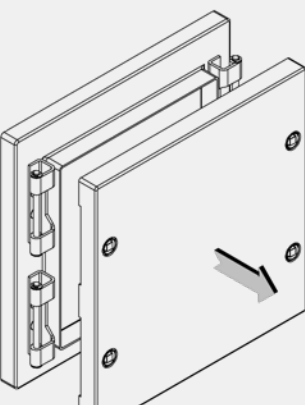
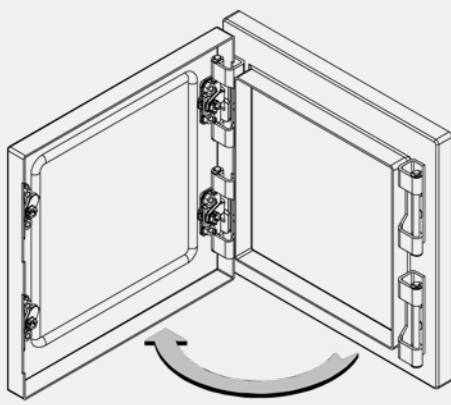
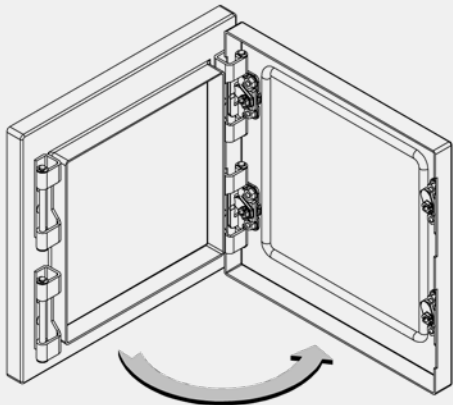
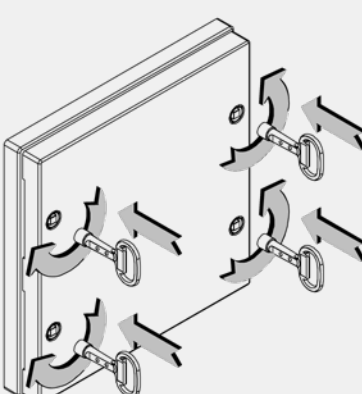
RH door - door opens to the right



LH door- door opens to the left



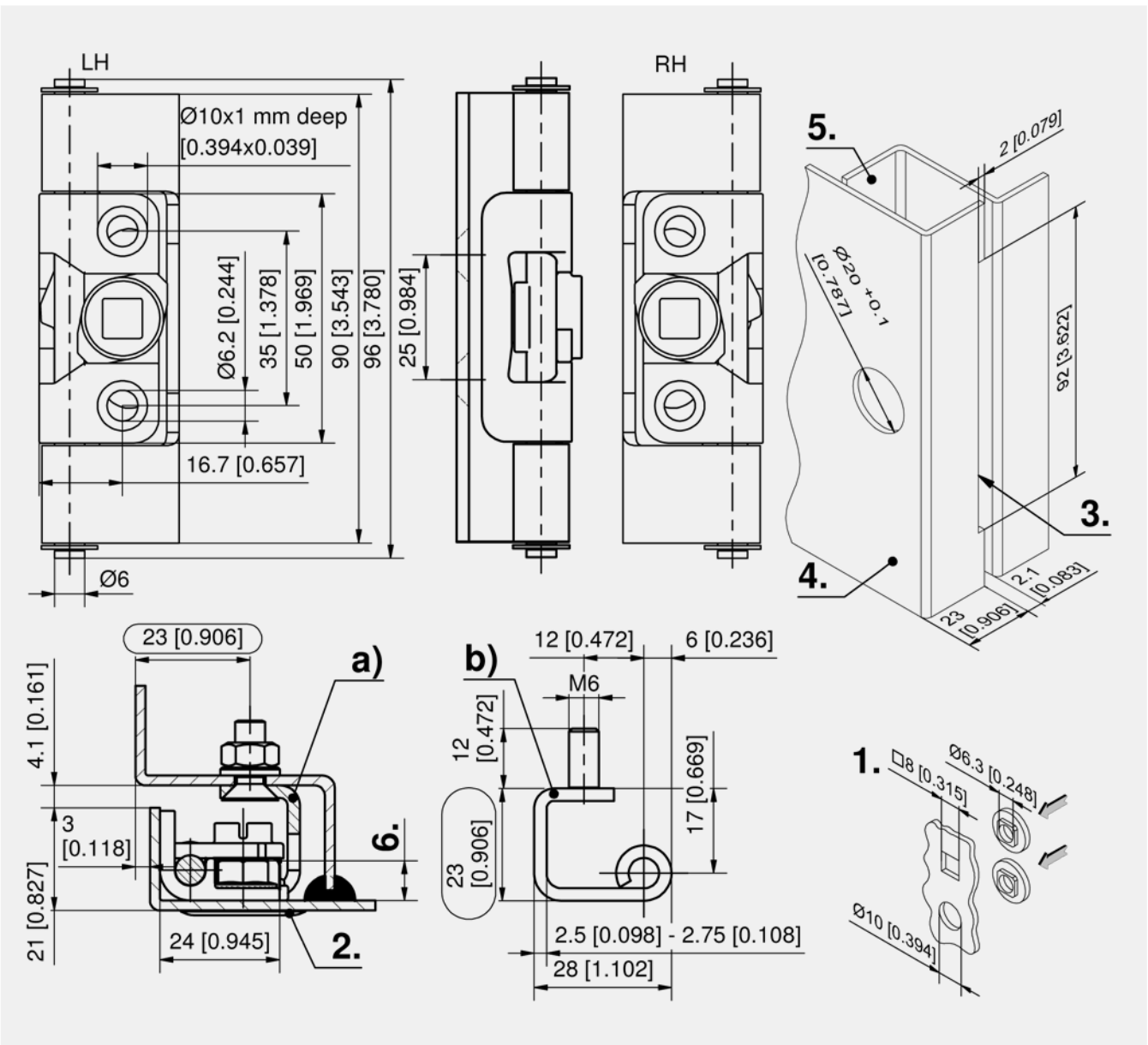
door completely lift-off



Flush latch

	Part Number	Version	Insert	Installation type frame-part	Installation type door-part	Delivery Unit
a)	243-9218.00-00000	LH version	Square 8mm	Countersunk screw	screw-on	10 pcs.
b)	243-9219.00-00000	LH version	Square 8mm	pressed in stud M6	screw-on	10 pcs.
a)	243-9220.00-00000	LH version	Double bit 3mm pin	Countersunk screw	screw-on	10 pcs.
b)	243-9221.00-00000	LH version	Double bit 3mm pin	pressed in stud M6	screw-on	10 pcs.
a)	243-9226.00-00000	LH version	Square 8mm with arrow	Countersunk screw	screw-on	10 pcs.
b)	243-9228.00-00000	LH version	Square 8mm with arrow	pressed in stud M6	screw-on	10 pcs.
a)	243-9222.00-00000	RH version	Square 8mm	Countersunk screw	screw-on	10 pcs.
b)	243-9223.00-00000	RH version	Square 8mm	pressed in stud M6	screw-on	10 pcs.
a)	243-9224.00-00000	RH version	Double bit 3mm pin	Countersunk screw	screw-on	10 pcs.
b)	243-9225.00-00000	RH version	Double bit 3mm pin	pressed in stud M6	screw-on	10 pcs.
a)	243-9227.00-00000	RH version	Square 8mm with arrow	Countersunk screw	screw-on	10 pcs.
b)	243-9229.00-00000	RH version	Square 8mm with arrow	pressed in stud M6	screw-on	10 pcs.

+	Accessories
768	6-100 Wrench
766	6-101 Universal key
+	Specific accessories
243-0501.00-00000	Fastening Washer
292-0604.00-07035	Blind plug for prod.-system 1-162
800-1105.00-00000	Weld stud M6x8
860-B193.00-00006	Serrated nut M6



DIN 61373

R L

15 Nm

RoHS WEEE



Advantages

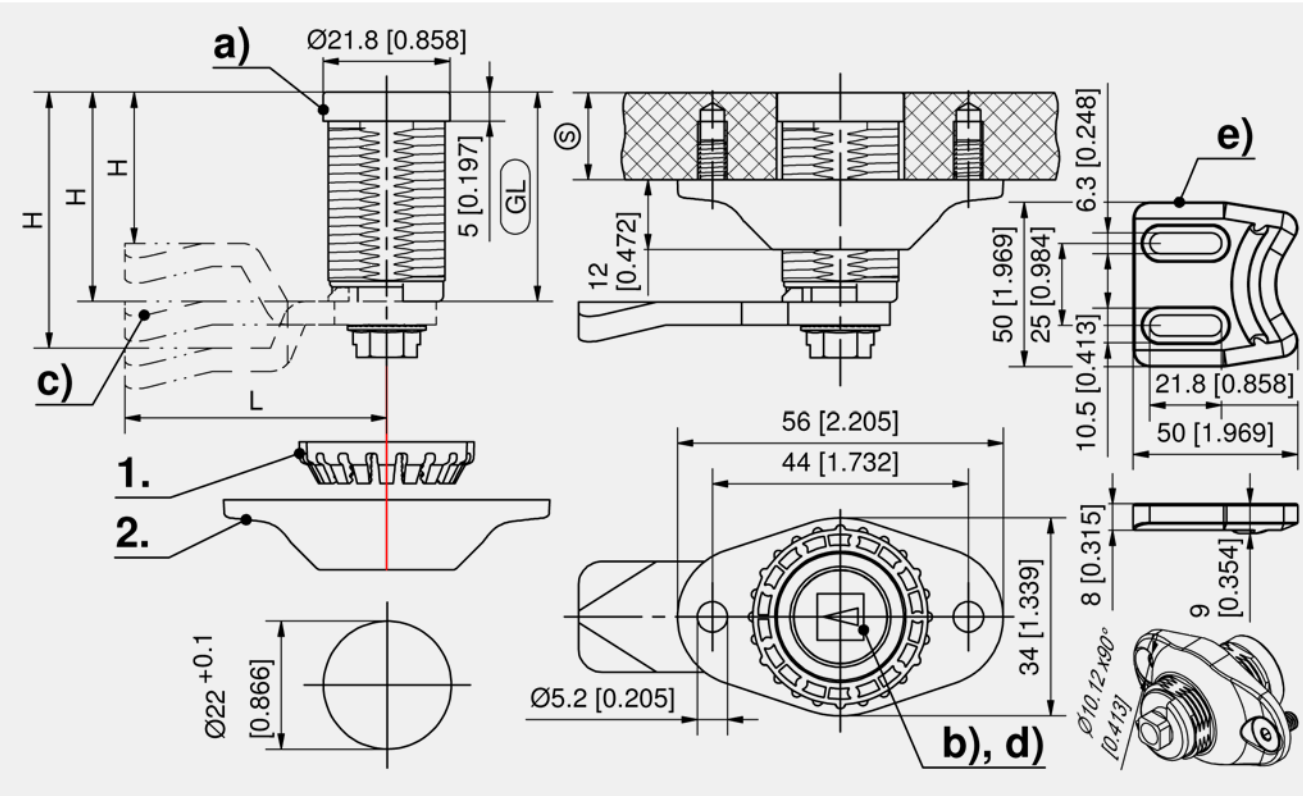
- Flush-mounted quarter-turn for cutout Ø22mm.
- With the PA nut M22 x 1.5mm, the housing is put exactly into position and secured with the anti-rotation device. Precise detent for optimized alignment.
- In conjunction with the stop plate, stop less constructions with aluminum profiles and/or with flat components can be latched perfectly.
- Vibration-proof according to DIN EN 61373.
- RH / LH application.

Materials

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

Remarks

(S) Door-thickness see table
Minimum door-thickness 5mm
d) adapter set
e) stop plate
Please configure the quarter-turn with insert, (adapter) and cam.
By using inserts the adapter is optional, by using knobs the adapter is necessary.



Quarter-Turn housing, zinc die

	Part Number	Surface	Housing length	Door-thickness (S)	suitable Adapter set	Installation type	Delivery Unit
a)	200-9089.00-00000	black	22 mm	max. 7 mm		screw-on	10 pcs.
a)	200-9088.00-00000	chrome plated	22 mm	max. 7 mm		screw-on	10 pcs.
a)	200-9090.00-00000	chrome plated	36 mm	max. 21 mm	L20	screw-on	10 pcs.
a)	200-9092.00-00000	chrome plated	42 mm	max. 27 mm	L26	screw-on	10 pcs.
a)	200-9094.00-00000	chrome plated	46 mm	max. 31 mm	L30	screw-on	10 pcs.
a)	200-9096.00-00000	chrome plated	56 mm	max. 41 mm	L40	screw-on	10 pcs.
a)	200-9098.00-00000	chrome plated	66 mm	max. 51 mm	L50	screw-on	10 pcs.

Accessories	
b)	150 1-101 Inserts Pr20.1
c)	154, 292 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
e)	265-3001.33-00000 Stop plate
768	6-100 Wrench
766	6-101 Universal key

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





Advantages

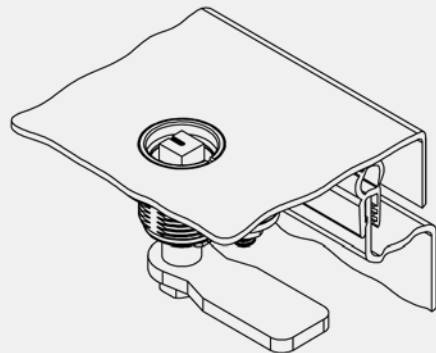
- Flush-mounted version.
- Indication of opened/closed position on the housing edge and the insert.
- Vibration-proof.
- IP69K according to DIN 40050.
- RH and LH version.
- The H-dimension can be varied via the cranking of the cam.

Materials

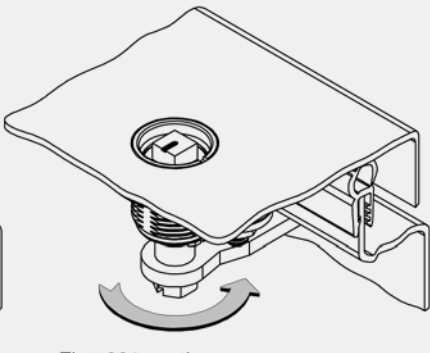
- **Housing, insert, axis, nut and anti-rotation device:** AISI 316
- **Serrated screw:** stainless steel
- **O-ring:** NBR

Remarks

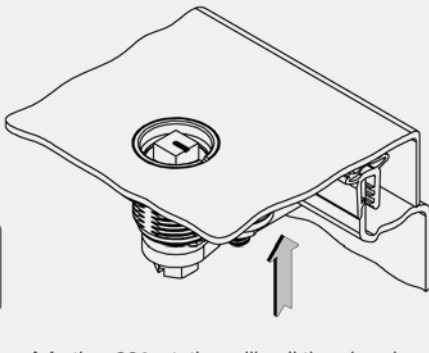
- (S) Door-thickness min. 1.8mm
- Negatively bent cams can not be installed pre-assembled.
1. compression 6mm
 2. o-ring
 3. nut
 4. anti-rotation device (included in scope of delivery)
 5. washer when using cylinder head screws or weld studs/nuts



Open, unlatched position.



First 90° rotation:
by turning the insert, the cam is placed behind the frame into the locked position. The door cannot be opened.



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

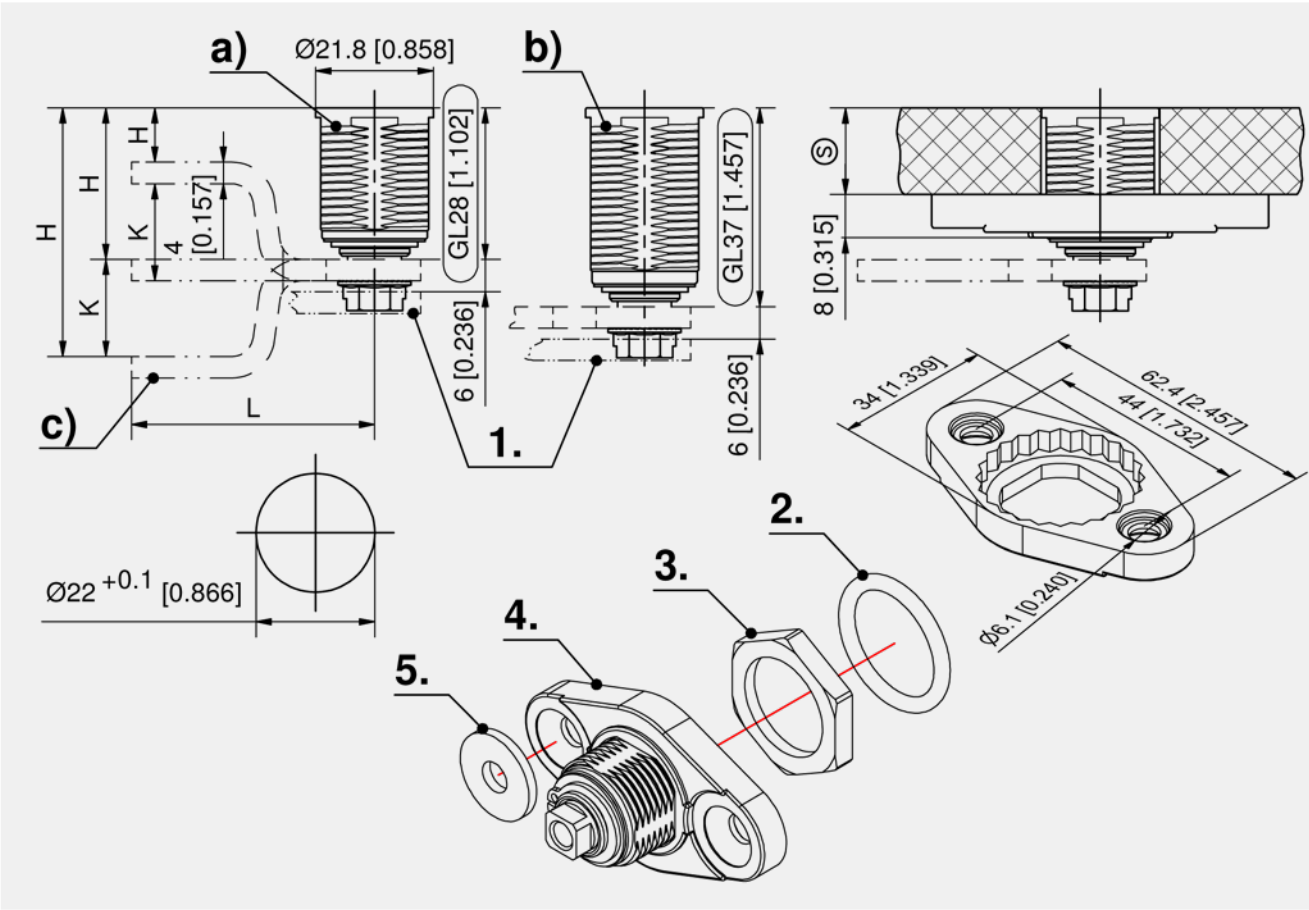
Flush-mounted compression latch with insert, RH version, closing left

	Part Number	Insert	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	148-9102.00-00000	Square 8mm	28 mm	max. 13 mm	screw-on	1 pc.
a)	148-9103.00-00000	Double bit 3mm pin	28 mm	max. 13 mm	screw-on	1 pc.
a)	148-9107.00-00000	Triangular 8mm	28 mm	max. 13 mm	screw-on	1 pc.
a)	148-9108.00-00000	Conical square 9mm	28 mm	max. 13 mm	screw-on	1 pc.
b)	148-9302.00-00000	Square 8mm	37 mm	max. 22 mm	screw-on	1 pc.
b)	148-9303.00-00000	Double bit 3mm pin	37 mm	max. 22 mm	screw-on	1 pc.
b)	148-9307.00-00000	Triangular 8mm	37 mm	max. 22 mm	screw-on	1 pc.
b)	148-9308.00-00000	Conical square 9mm	37 mm	max. 22 mm	screw-on	1 pc.

Flush-mounted compression latch with insert, LH version, closing right

	Part Number	Insert	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	148-9152.00-00000	Square 8mm	28 mm	max. 13 mm	screw-on	1 pc.
a)	148-9153.00-00000	Double bit 3mm pin	28 mm	max. 13 mm	screw-on	1 pc.
a)	148-9157.00-00000	Triangular 8mm	28 mm	max. 13 mm	screw-on	1 pc.
a)	148-9158.00-00000	Conical square 9mm	28 mm	max. 13 mm	screw-on	1 pc.
b)	148-9352.00-00000	Square 8mm	37 mm	max. 22 mm	screw-on	1 pc.
b)	148-9353.00-00000	Double bit 3mm pin	37 mm	max. 22 mm	screw-on	1 pc.
b)	148-9357.00-00000	Triangular 8mm	37 mm	max. 22 mm	screw-on	1 pc.
b)	148-9358.00-00000	Conical square 9mm	37 mm	max. 22 mm	screw-on	1 pc.

Accessories	
c)	159 7-105.01 Cams L35/45 Stainless Steel
	768 6-100 Wrench
	766 6-101 Universal key
	770 6-105 Keys for the Railway Sector
Specific accessories	
	840-9021.00-00064 Washer for 7-086 and 7-087



Flush-mounted Compression Latch L28/L37 with H-Dimension Adjustment Stainless Steel [7-087]



Advantages

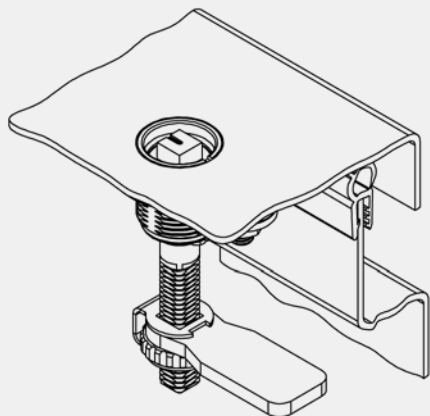
- Flush-mounted version.
- Indication of opened/closed position on the housing edge and the insert.
- Vibration-proof.
- IP69K to DIN 40050.
- RH and LH version.
- The H-dimension can be varied via the cranking of the cam.
- The cam can be varied to ±14 mm (GL28) and ±9 mm (GL37) via provided H-dimension adjustment on the threaded square rod.

Materials

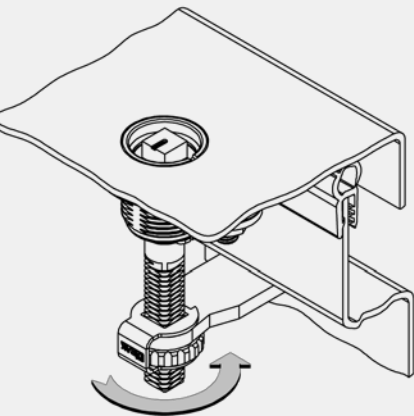
- **Housing, knurled wheel, insert, axis, nut and anti-rotation device:** AISI 316
- **Catch:** AISI 301
- **O-ring:** NBR

Remarks

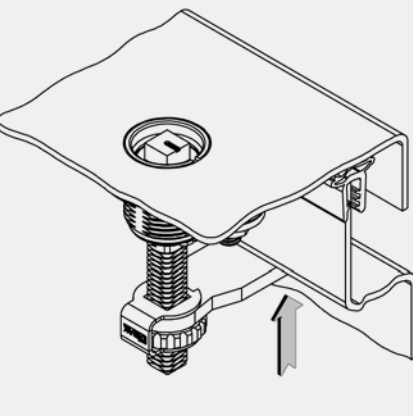
- (S) Door-thickness min. 1.8mm
- Negatively bent cams cannot be installed pre-assembled.
1. compression 6mm
 2. o-ring
 3. nut
 4. anti-rotation device (included in scope of delivery)
 5. washer when using cylinder head screws or weld studs/nuts
 6. H-dimension adjustment
- Variant where the cam can be variably adjusted with nuts, see website 7-087.01.



Open, unlatched position.



First 90° rotation: by turning the insert, the cam is placed behind the frame into the locked position. The door cannot be opened.



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

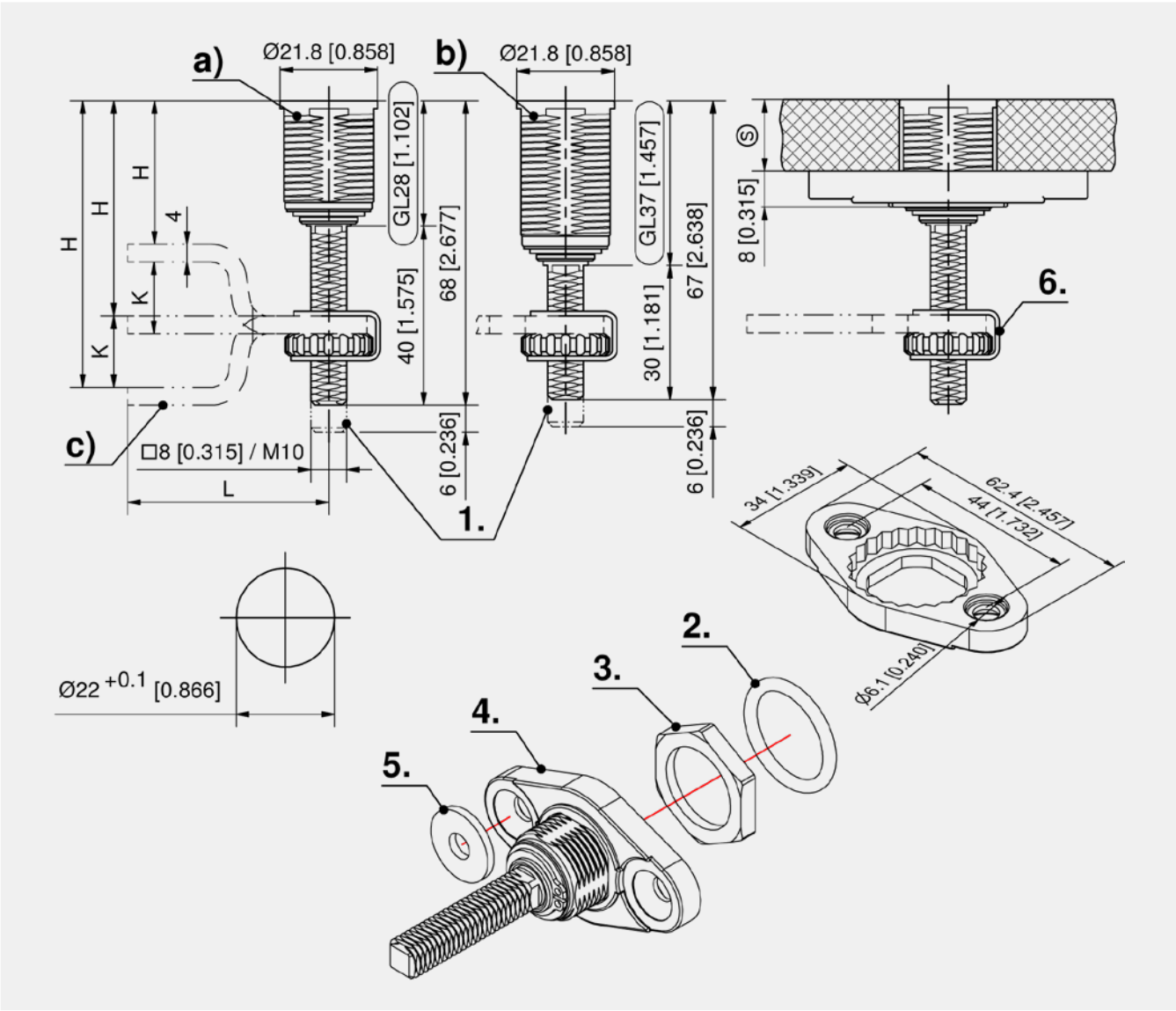
Flush-mounted compression latch with insert, RH version, closing left

	Part Number	Insert	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	348-9202.00-00000	Square 8mm	28 mm	max. 13 mm	screw-on	1 pc.
a)	348-9203.00-00000	Double bit 3mm pin	28 mm	max. 13 mm	screw-on	1 pc.
a)	348-9207.00-00000	Triangular 8mm	28 mm	max. 13 mm	screw-on	1 pc.
a)	348-9208.00-00000	Conical square 9mm	28 mm	max. 13 mm	screw-on	1 pc.
b)	348-9402.00-00000	Square 8mm	37 mm	max. 22 mm	screw-on	1 pc.
b)	348-9403.00-00000	Double bit 3mm pin	37 mm	max. 22 mm	screw-on	1 pc.
b)	348-9407.00-00000	Triangular 8mm	37 mm	max. 22 mm	screw-on	1 pc.
b)	348-9408.00-00000	Conical square 9mm	37 mm	max. 22 mm	screw-on	1 pc.

Flush-mounted compression latch with insert, LH version, closing right

	Part Number	Insert	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	348-9252.00-00000	Square 8mm	28 mm	max. 13 mm	screw-on	1 pc.
a)	348-9253.00-00000	Double bit 3mm pin	28 mm	max. 13 mm	screw-on	1 pc.
a)	348-9257.00-00000	Triangular 8mm	28 mm	max. 13 mm	screw-on	1 pc.
a)	348-9258.00-00000	Conical square 9mm	28 mm	max. 13 mm	screw-on	1 pc.
b)	348-9452.00-00000	Square 8mm	37 mm	max. 22 mm	screw-on	1 pc.
b)	348-9453.00-00000	Double bit 3mm pin	37 mm	max. 22 mm	screw-on	1 pc.
b)	348-9457.00-00000	Triangular 8mm	37 mm	max. 22 mm	screw-on	1 pc.
b)	348-9458.00-00000	Conical square 9mm	37 mm	max. 22 mm	screw-on	1 pc.

Accessories	
c)	159 7-105.01 Cams L35/45 Stainless Steel
	768 6-100 Wrench
	766 6-101 Universal key
	770 6-105 Keys for the Railway Sector
	174 7-077 Height Adjustable Cam L45 Stainless Steel
Specific accessories	
	840-9021.00-00064 Washer for 7-086 and 7-087



Flush-mounted Quarter-Turn L20

[1-160]



Advantages

- Flush-mounted version.
- Quarter-turn screw-on, weld-on or rivet-on.
- RH and LH version.

Materials

- **Housing:** steel, zinc plated
- **Bezel:** zinc die, untreated

Remarks

Door-thickness min. 1.5mm
Please configure the quarter-turn with insert and cam.

Quarter-Turn with Drip Handle Pr20.1 L18

[1-135]

Advantages

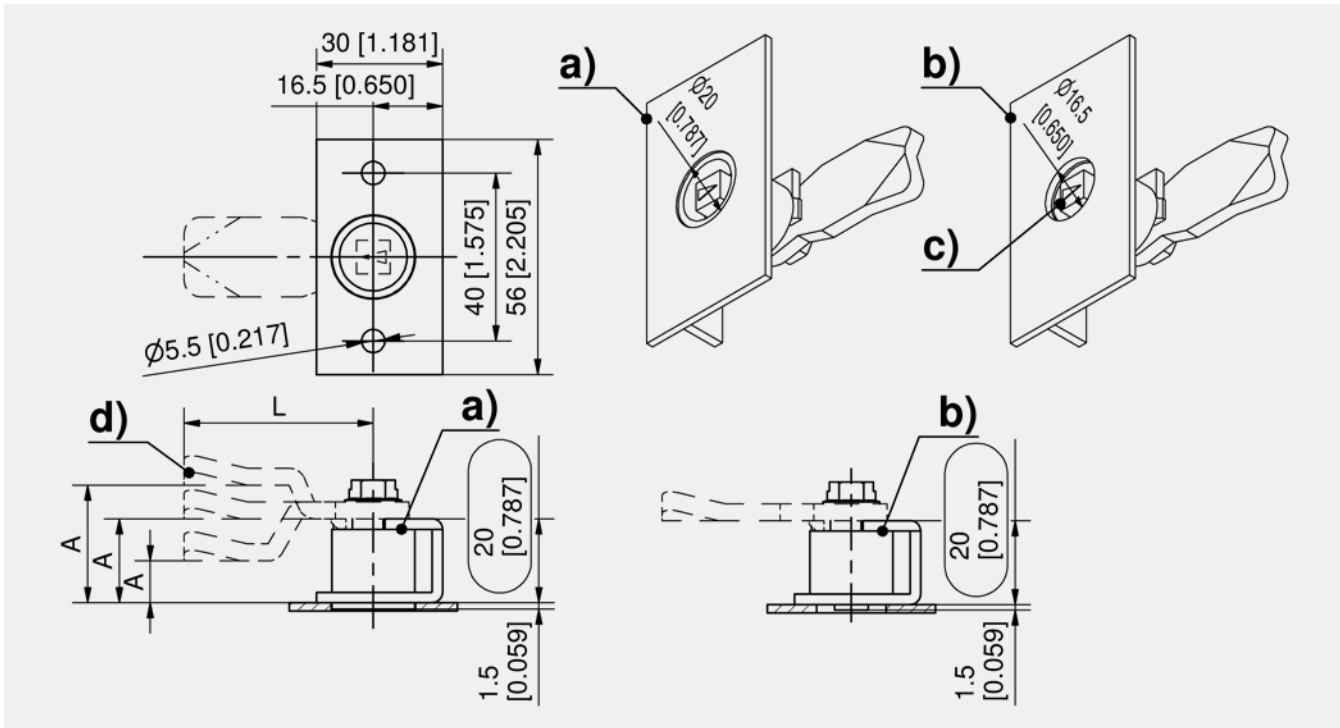
- Versions **without cylinder** are water and dust tight according to IP65 DIN EN 60529.
- Versions **with cylinder** are water and dust tight according to IP54 DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled.
- A pre-assembled quarter-turn can be installed in the cutout.

Materials

- **Drip handle:** PA, black with zinc die core
- **Housing:** zinc die, chrome plated
- **Cylinder:** PA, black or zinc die, chrome plated
- **Plug:** PA, black
- **Grounding nut:** zinc die

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with a cam.
1. seal
2. plug



Quarter-Turn housing with bezel

	Part Number	Version	Housing length	Installation type	Delivery Unit
a)	200-9036.00-00000	RH version	20 mm	screw-/ weld-on/ rivet	10 pcs.
a)	200-9037.00-00000	LH version	20 mm	screw-/ weld-on/ rivet	10 pcs.

Quarter-Turn housing with bezel, flush

	Part Number	Version	Housing length	Installation type	Delivery Unit
b)	100-9010.00-00000	RH version	20 mm	screw-/ weld-on/ rivet	10 pcs.
b)	100-9011.00-00000	LH version	20 mm	screw-/ weld-on/ rivet	10 pcs.

+	Accessories
c)	150 1-101 Inserts Pr20.1
d)	154, 292 1-102 Cams L35/45 Steel
d)	161 1-262 Cams variable
	768 6-100 Wrench
	766 6-101 Universal key

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



Quarter-Turn with drip handle

	Part Number	Version	Latching type	Material cylinder	Surface cylinder	IP protection	Installation type	Delivery Unit
a)	200-9394.00-00000	Blind plug				IP65	screw-on	1 pc.
b)	200-9392.00-00000	cylinder	keyed alike DIRAK 1333	PA	black	IP54	screw-on	1 pc.
b)	200-9393.00-00000	cylinder	keyed different	PA	black	IP54	screw-on	1 pc.
b)	200-9395.00-00000	cylinder	keyed alike DIRAK 1333	zinc die	chrome plated	IP54	screw-on	1 pc.
b)	200-9396.00-00000	cylinder	keyed different	zinc die	chrome plated	IP54	screw-on	1 pc.
b)	500-9395.00-00000	cylinder	keyed alike DS200	zinc die	chrome plated	IP54	screw-on	1 pc.

+	Accessories
c)	154, 292 1-102 Cams L35/45 Steel
c)	161 1-262 Cams variable

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



Safety Quarter-Turn Pr20.1 L18 Stainless Steel

See page 43

Quarter-Turn with T-Handle Pr20.1 L18

[1-142]



- Advantages**

 - Versions **without cylinder** are water and dust tight according to IP65 DIN EN 60529.
 - Versions **with cylinder and insert** are water and dust tight according to IP54 DIN EN 60529.
 - RH / LH application.
 - Grounding by grounding nut.
 - 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
 - **Grounding nut:** zinc die
 - Other surfaces i.e. chrome plated, black on request

Remarks

(S) Door-thickness max. 8mm

Please configure the quarter-turn with a cam.

1. silicone seal

↕ 20 ↕

R L

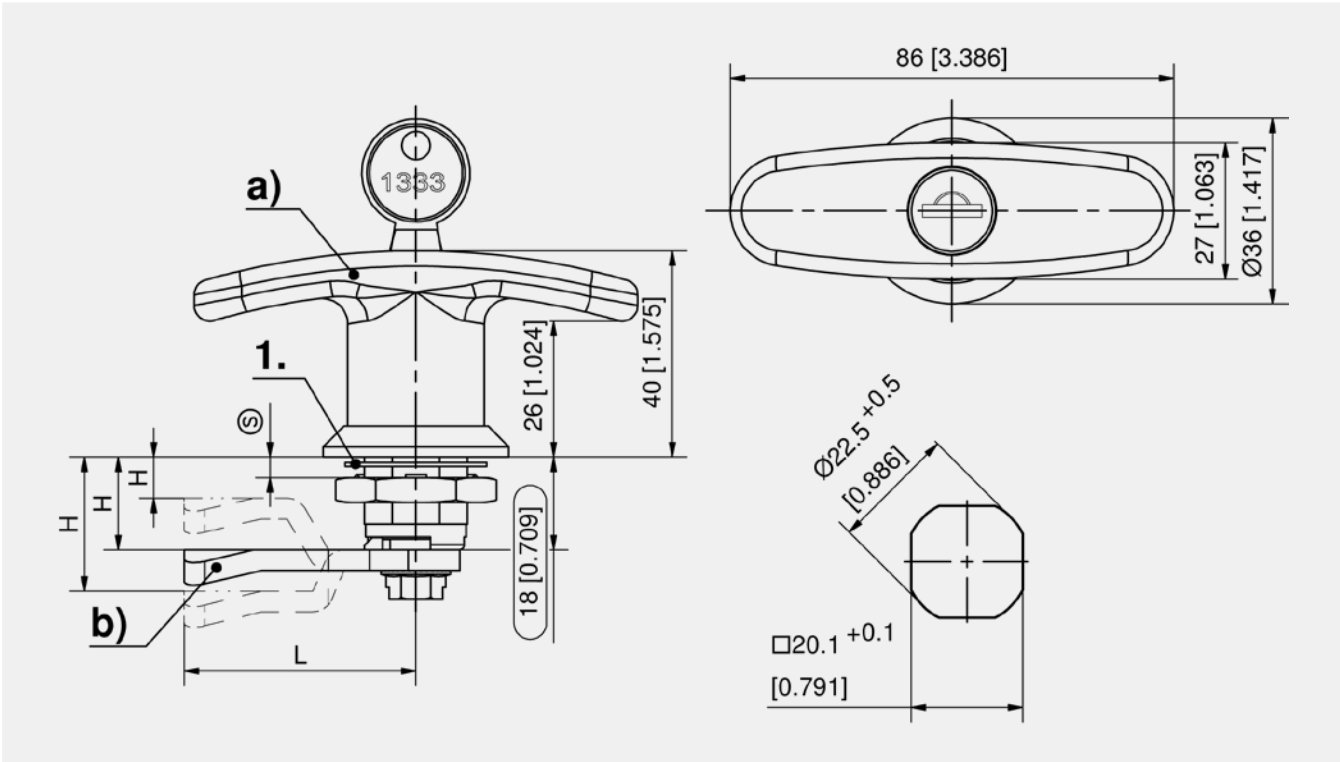
⏚

IP 54

IP 65

15 Nm

RoHS WEEE



Quarter-Turn with T-handle

	Part Number	Housing length	Insert	IP protection	Installation type	Delivery Unit
a)	100-9306.00-00000	18 mm	without	IP65	screw-on	1 pc.
a)	100-9309.00-00001	18 mm	Square 8mm	IP65	screw-on	1 pc.

Quarter-Turn with T-handle and cylinder

	Part Number	Housing length	Latching type	IP protection	Installation type	Delivery Unit
a)	100-9308.00-00000	18 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
a)	100-9307.00-00000	18 mm	keyed different	IP54	screw-on	1 pc.

+	Accessories	Assembly options
b)	154, 292 1-102 Cams L35/45 Steel	200-0001.00-00000 Assembling cam without o-ring
b)	161 1-262 Cams variable	200-0019.00-00000 Assembling cam 90° to handle without o-ring
b)	294 2-150 3-Point Cam L45, Rod Control	





Advantages

- 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.
- RH / LH application.
- Grounding by grounding nut.
- 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
- **Grounding nut:** zinc die

Remarks

- (S) Door-thickness max. 8mm
Please configure the quarter-turn
with a cam.
1. silicone seal

Quarter-Turn with T-handle

	Part Number	Latching type	Material	Surface	IP protection	Installation type	Delivery Unit
a)	200-9307.00-00000		PA / zinc die core	black	IP65	screw-on	1 pc.
a)	200-9308.00-00000	keyed alike DIRAK 1333	PA / zinc die core	black	IP54	screw-on	1 pc.
a)	200-9309.00-00000	keyed different	PA / zinc die core	black	IP54	screw-on	1 pc.
a)	500-9308.00-00000	keyed alike DS200	PA / zinc die core	black	IP54	screw-on	1 pc.
a)	200-9319.00-00000		zinc die	chrome plated	IP65	screw-on	1 pc.
a)	200-9320.00-00000	keyed alike DIRAK 1333	zinc die	chrome plated	IP54	screw-on	1 pc.
a)	200-9321.00-00000	keyed different	zinc die	chrome plated	IP54	screw-on	1 pc.
a)	200-9331.00-00000		zinc die	black	IP65	screw-on	1 pc.
a)	200-9332.00-00000	keyed alike DIRAK 1333	zinc die	black	IP54	screw-on	1 pc.
a)	200-9333.00-00000	keyed different	zinc die	black	IP54	screw-on	1 pc.
a)	500-9320.00-00000	keyed alike DS200	zinc die	chrome plated	IP54	screw-on	1 pc.
a)	500-9332.00-00000	keyed alike DS200	zinc die	black	IP54	screw-on	1 pc.
a)	501-9320.00-00000	PAGODA keyed alike	zinc die	chrome plated	IP54	screw-on	1 pc.
a)	501-9321.00-00000	PAGODA keyed different	zinc die	chrome plated	IP54	screw-on	1 pc.
a)	501-9332.00-00000	PAGODA keyed alike	zinc die	black	IP54	screw-on	1 pc.
a)	501-9333.00-00000	PAGODA keyed different	zinc die	black	IP54	screw-on	1 pc.



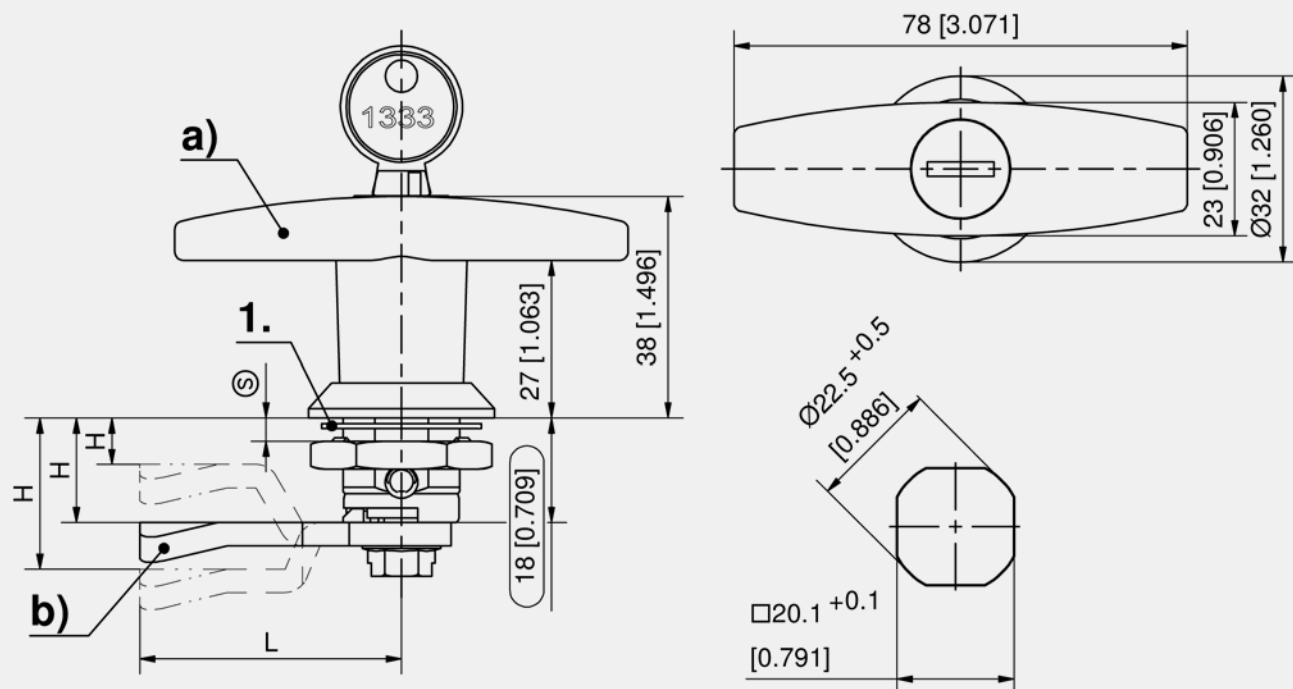
Accessories

- | | | |
|----|----------|-------------------------|
| b) | 154, 292 | 1-102 Cams L35/45 Steel |
| b) | 161 | 1-262 Cams variable |

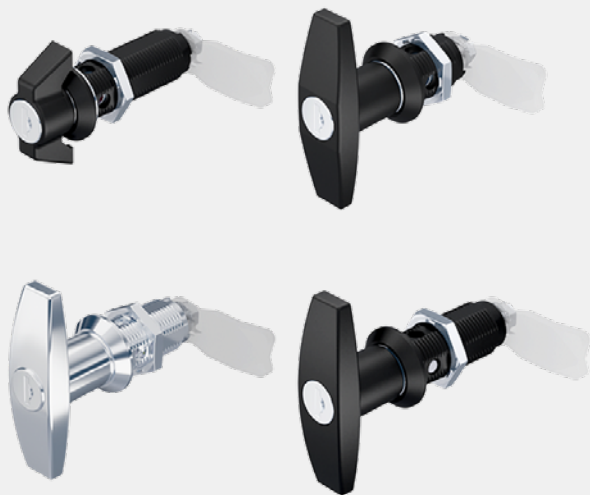


Assembly options

- 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 and Wing Knob [1-155.02]



Advantages

- Quarter-turn with extended housing.
- Maximum door-thickness 50mm.
- All versions of wing-handles are supplied complete with housing.
- Versions **without cylinder** IP65 according to DIN EN 60529.
- Versions **with cylinder** IP54 according to DIN EN 60529.
- All lockable handles supplied with 2 keys.
- Grounding by single sided grounding nut.

Materials

- **T-handle:** PA, black with zinc die core, or zinc die, chrome plated or black
- **Housing:** zinc die, black
- **Flat external seal:** NBR/Perbunan, black
- **Wing knob:** PA, black with zinc die core
- **Grounding nut:** zinc die

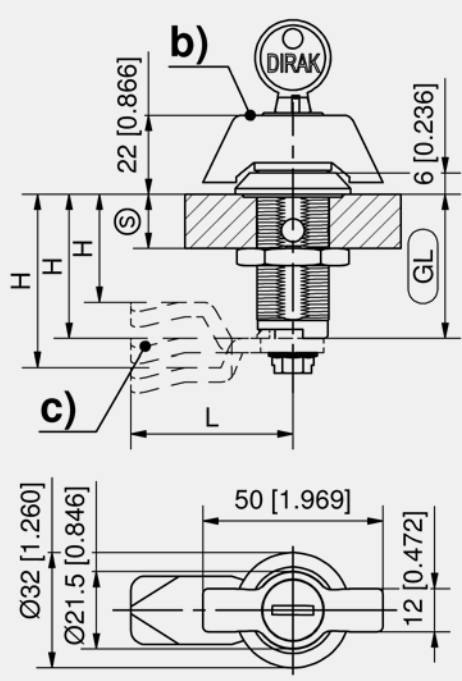
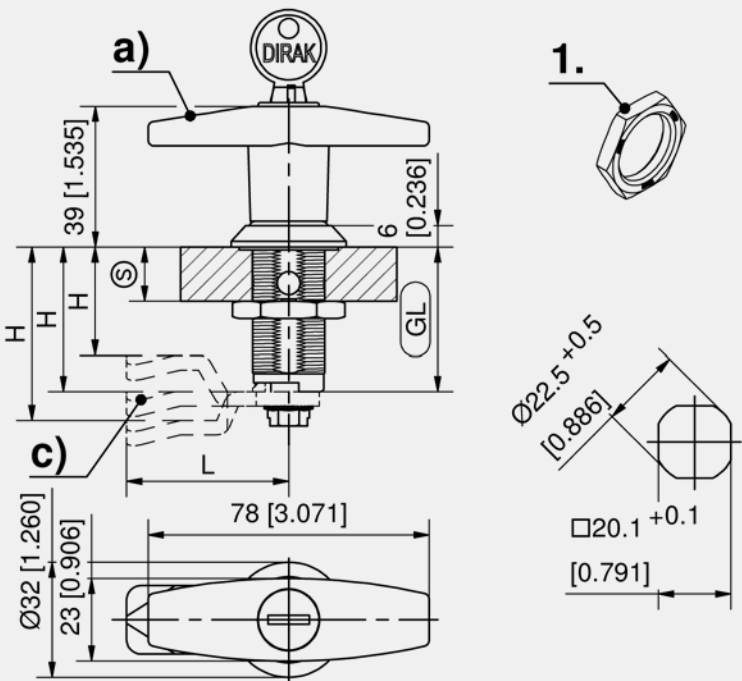
Remarks

(S) Door-thickness see table
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.

Please configure the quarter-turn with a cam.



Quarter-Turn with T-handle, PA, black

	Part Number	Housing length	Latching type	Door-thickness (S)	IP protection	Installation type	Delivery Unit
a)	200-9310.00-00000	30 mm		max. 20 mm	IP65	screw-on	1 pc.
a)	200-9313.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	screw-on	1 pc.
a)	500-9313.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	screw-on	1 pc.
a)	200-9316.00-00000	30 mm	keyed different	max. 20 mm	IP54	screw-on	1 pc.
a)	200-9311.00-00000	40 mm		max. 30 mm	IP65	screw-on	1 pc.
a)	200-9314.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	screw-on	1 pc.
a)	500-9314.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	screw-on	1 pc.
a)	200-9317.00-00000	40 mm	keyed different	max. 30 mm	IP54	screw-on	1 pc.
a)	200-9312.00-00000	50 mm		max. 40 mm	IP65	screw-on	1 pc.
a)	200-9315.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	screw-on	1 pc.
a)	500-9315.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	screw-on	1 pc.
a)	200-9318.00-00000	50 mm	keyed different	max. 40 mm	IP54	screw-on	1 pc.
a)	200-9346.00-00000	60 mm		max. 50 mm	IP65	screw-on	1 pc.
a)	200-9347.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	screw-on	1 pc.
a)	500-9347.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	screw-on	1 pc.
a)	200-9348.00-00000	60 mm	keyed different	max. 50 mm	IP54	screw-on	1 pc.

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

	Part Number	Housing length	Latching type	Door-thickness (S)	IP protection	Installation type	Delivery Unit
a)	200-9334.00-00000	30 mm		max. 20 mm	IP65	screw-on	1 pc.
a)	200-9337.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	screw-on	1 pc.
a)	500-9337.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	screw-on	1 pc.
a)	200-9340.00-00000	30 mm	keyed different	max. 20 mm	IP54	screw-on	1 pc.
a)	501-9337.00-00000	30 mm	PAGODA keyed alike	max. 20 mm	IP54	screw-on	1 pc.
a)	200-9335.00-00000	40 mm		max. 30 mm	IP65	screw-on	1 pc.
a)	200-9338.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	screw-on	1 pc.
a)	500-9338.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	screw-on	1 pc.
a)	200-9341.00-00000	40 mm	keyed different	max. 30 mm	IP54	screw-on	1 pc.
a)	501-9338.00-00000	40 mm	PAGODA keyed alike	max. 30 mm	IP54	screw-on	1 pc.
a)	200-9336.00-00000	50 mm		max. 40 mm	IP65	screw-on	1 pc.
a)	200-9339.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	screw-on	1 pc.
a)	500-9339.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	screw-on	1 pc.
a)	200-9342.00-00000	50 mm	keyed different	max. 40 mm	IP54	screw-on	1 pc.
a)	200-9343.00-00000	60 mm		max. 50 mm	IP65	screw-on	1 pc.
a)	200-9344.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	screw-on	1 pc.
a)	500-9344.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	screw-on	1 pc.
a)	200-9345.00-00000	60 mm	keyed different	max. 50 mm	IP54	screw-on	1 pc.

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

	Part Number	Housing length	Latching type	Door-thickness (S)	IP protection	Installation type	Delivery Unit
a)	200-9352.00-00000	30 mm		max. 20 mm	IP65	screw-on	1 pc.
a)	200-9356.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	screw-on	1 pc.
a)	500-9356.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	screw-on	1 pc.
a)	200-9360.00-00000	30 mm	keyed different	max. 20 mm	IP54	screw-on	1 pc.
a)	501-9356.00-00000	30 mm	PAGODA keyed alike	max. 20 mm	IP54	screw-on	1 pc.
a)	501-9360.00-00000	30 mm	PAGODA keyed different	max. 20 mm	IP54	screw-on	1 pc.
a)	200-9353.00-00000	40 mm		max. 30 mm	IP65	screw-on	1 pc.
a)	200-9357.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	screw-on	1 pc.
a)	200-9361.00-00000	40 mm	keyed different	max. 30 mm	IP54	screw-on	1 pc.
a)	200-9354.00-00000	50 mm		max. 40 mm	IP65	screw-on	1 pc.
a)	200-9358.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	screw-on	1 pc.
a)	200-9362.00-00000	50 mm	keyed different	max. 40 mm	IP54	screw-on	1 pc.
a)	200-9355.00-00000	60 mm		max. 50 mm	IP65	screw-on	1 pc.
a)	200-9359.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	screw-on	1 pc.
a)	200-9363.00-00000	60 mm	keyed different	max. 50 mm	IP54	screw-on	1 pc.

Quarter-Turn with wing knob, PA, black

	Part Number	Housing length	Latching type	Door-thickness (S)	IP protection	Installation type	Delivery Unit
b)	200-9322.00-00000	30 mm		max. 20 mm	IP65	screw-on	1 pc.
b)	200-9325.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	screw-on	1 pc.
b)	500-9325.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	screw-on	1 pc.
b)	200-9328.00-00000	30 mm	keyed different	max. 20 mm	IP54	screw-on	1 pc.
b)	200-9323.00-00000	40 mm		max. 30 mm	IP65	screw-on	1 pc.
b)	200-9326.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	screw-on	1 pc.
b)	500-9326.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	screw-on	1 pc.
b)	200-9329.00-00000	40 mm	keyed different	max. 30 mm	IP54	screw-on	1 pc.
b)	200-9324.00-00000	50 mm		max. 40 mm	IP65	screw-on	1 pc.
b)	200-9327.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	screw-on	1 pc.
b)	500-9327.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	screw-on	1 pc.
b)	200-9330.00-00000	50 mm	keyed different	max. 40 mm	IP54	screw-on	1 pc.
b)	200-9349.00-00000	60 mm		max. 50 mm	IP65	screw-on	1 pc.
b)	200-9350.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	screw-on	1 pc.
b)	500-9350.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	screw-on	1 pc.
b)	200-9351.00-00000	60 mm	keyed different	max. 50 mm	IP54	screw-on	1 pc.

	Accessories
+	
c)	154, 292 1-102 Cams L35/45 Steel
c)	161 1-262 Cams variable





Advantages

- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled.
- A pre-assembled quarter-turn can be installed in the cutout.
- All lockable T-handles supplied with two keys.

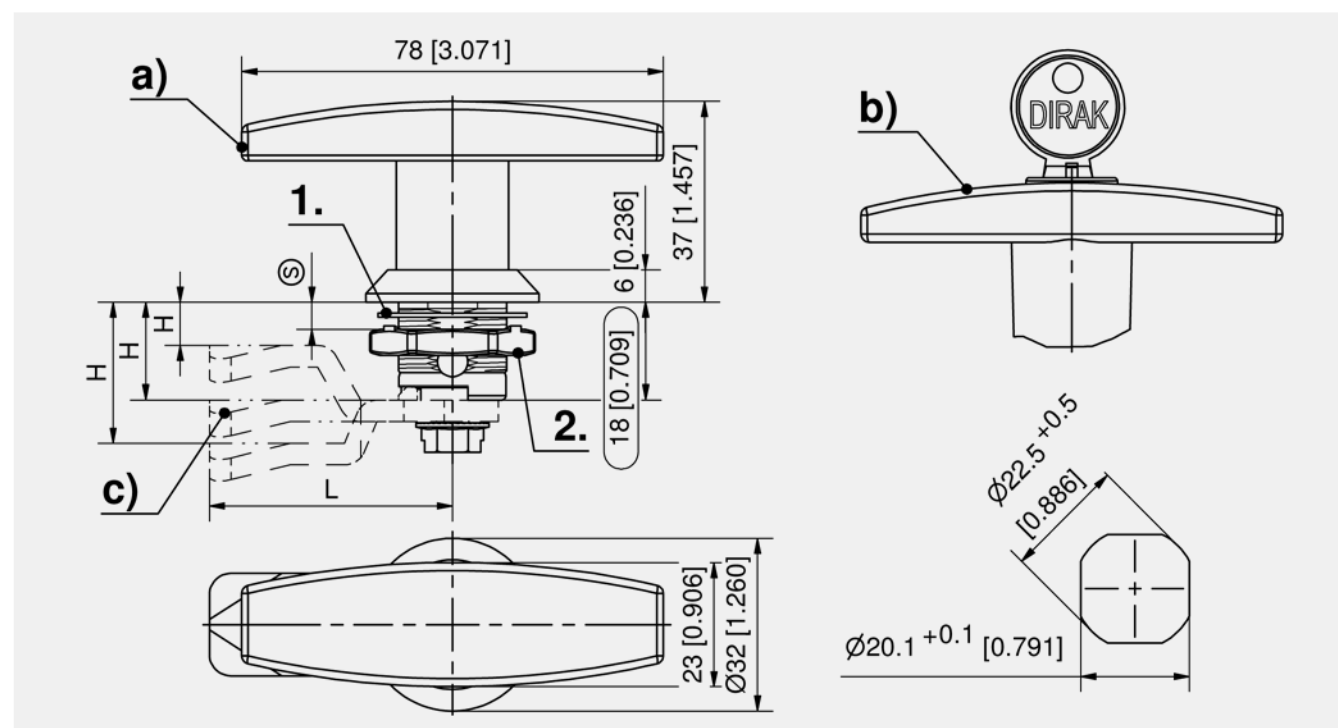
Materials

- **T-handle:** completely AISI 316, surface polished
- **Nut:** stainless steel

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn
with a cam.

1. flat external seal
2. single-sided groundig nut



Quarter-Turn with T-handle

	Part Number	Latching type	Installation type	Delivery Unit
a)	200-9374.00-00000		screw-on	1 pc.
b)	200-9398.00-00000	keyed alike DIRAK 1333	screw-on	1 pc.
b)	200-9399.00-00000	keyed different	screw-on	1 pc.

	Accessories	
c)	154, 292	1-102 Cams L35/45 Steel
c)	161	1-262 Cams variable
c)	156	7-105 Cams L35/45 Stainless Steel

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



◀ all product details
on DIRAK.com



Advantages

- Quarter-turn with T-handle with extended housing.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by single sided grounding nut.
- Pre-assembled without cam.
- All lockable handles supplied with two keys.

Materials

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

Remarks

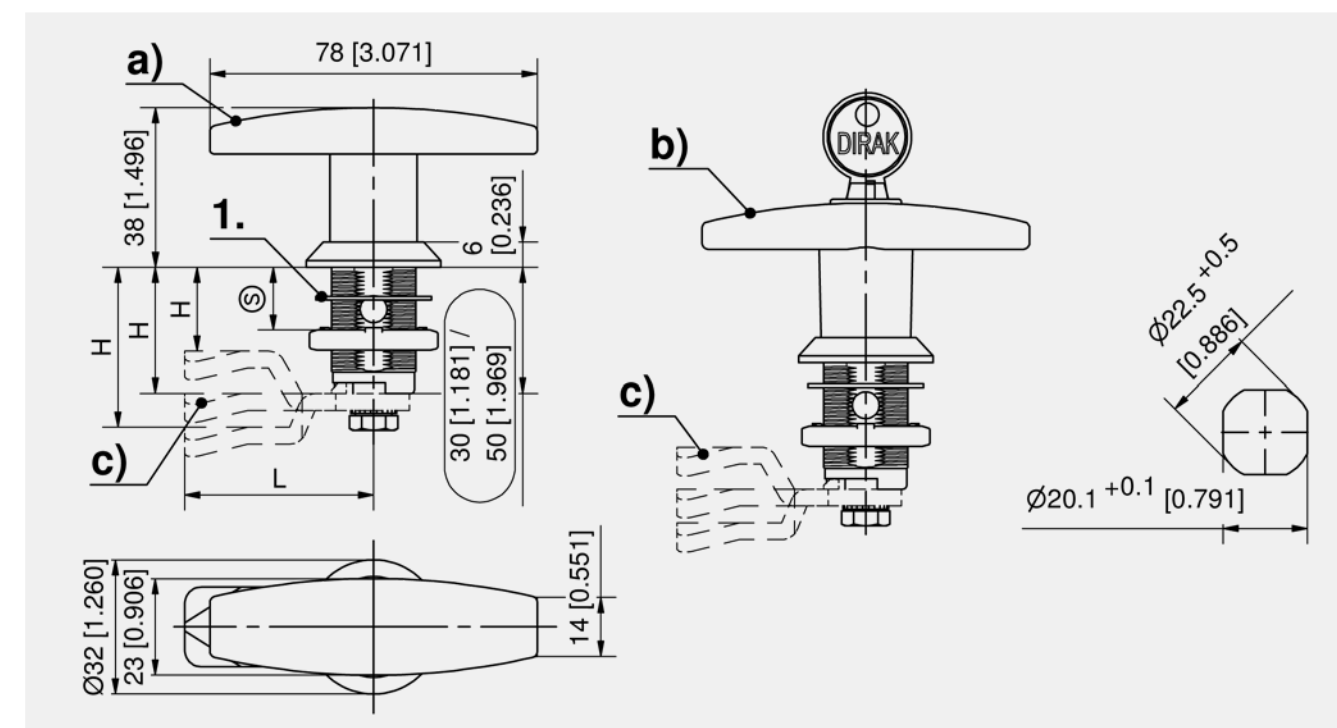
Please configure the quarter-turn with a cam.

Price and delivery time on request.

Maximum door-thickness 20mm
/ 40mm.

Further housing lengths on request.

1. flat external seal



Quarter-Turn with T-handle

	Part Number	Housing length	Latching type	Door-thickness (S)	Installation type	Delivery Unit
a)	100-9401.00-00000	30 mm		max. 20 mm	screw-on	1 pc.
b)	100-9402.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	screw-on	1 pc.
b)	100-9403.00-00000	30 mm	keyed different	max. 20 mm	screw-on	1 pc.
a)	100-9404.00-00000	50 mm		max. 40 mm	screw-on	1 pc.
b)	100-9405.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	screw-on	1 pc.
b)	100-9406.00-00000	50 mm	keyed different	max. 40 mm	screw-on	1 pc.

		Accessories
c)	154, 292	1-102 Cams L35/45 Steel
c)	161	1-262 Cams variable
c)	156	7-105 Cams L35/45 Stainless Steel

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





Advantages

- 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.
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled by DIRAK.
- A pre-assembled quarter-turn can be installed in the cutout.
- All lockable L-handles supplied with two keys.

Materials

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

Remarks

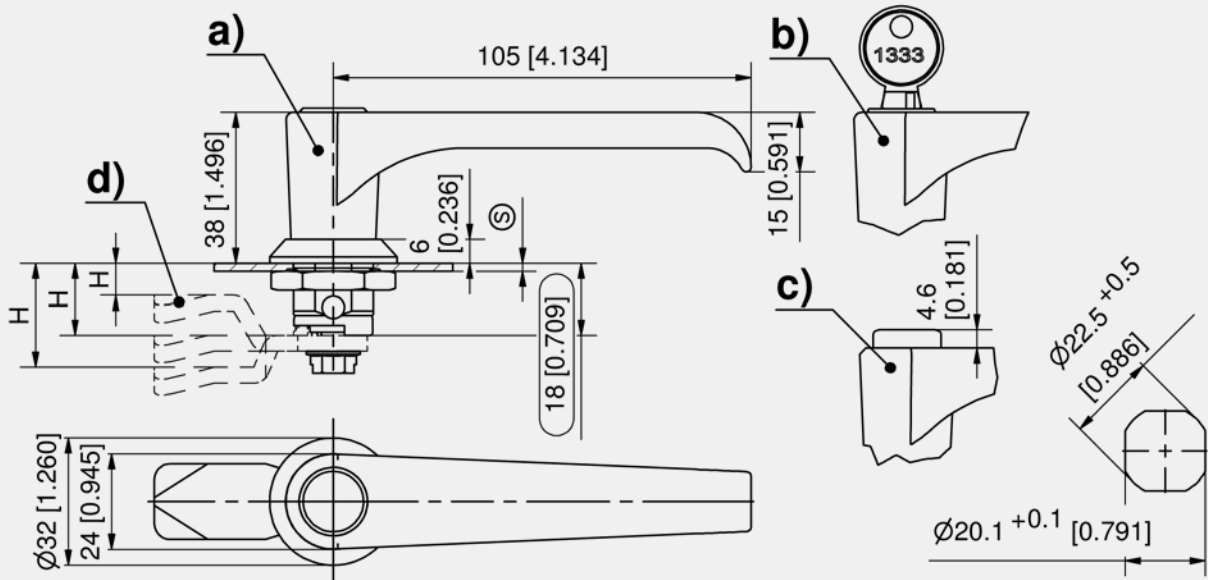
- (S) Door-thickness max. 8mm
- Please configure the quarter-turn with a cam.
- Padlock feature only if cam is at 90° to the L-handle.

Quarter-Turn with L-handle

	Part Number	Latching type	Material	Surface	IP protection	Delivery Unit
a)	200-9401.00-00000		PA / zinc die core	black	IP65	1 pc.
b)	200-9402.00-00000	keyed alike DIRAK 1333	PA / zinc die core	black	IP54	1 pc.
b)	500-9402.00-00000	keyed alike DS200	PA / zinc die core	black	IP54	1 pc.
b)	200-9403.00-00000	keyed different	PA / zinc die core	black	IP54	1 pc.
c)	200-9483.00-00000	Push button	PA / zinc die core	black	IP65	1 pc.
a)	200-9419.00-00000		zinc die	chrome plated	IP65	1 pc.
b)	200-9420.00-00000	keyed alike DIRAK 1333	zinc die	chrome plated	IP54	1 pc.
a)	200-9427.00-00000		zinc die	black	IP65	1 pc.
b)	200-9428.00-00000	keyed alike DIRAK 1333	zinc die	black	IP54	1 pc.
b)	200-9437.00-00000	keyed different	zinc die	chrome plated	IP54	1 pc.
b)	200-9438.00-00000	keyed different	zinc die	black	IP54	1 pc.
b)	500-9420.00-00000	keyed alike DS200	zinc die	chrome plated	IP54	1 pc.
b)	500-9428.00-00000	keyed alike DS200	zinc die	black	IP54	1 pc.
b)	501-9420.00-00000	PAGODA keyed alike	zinc die	chrome plated	IP54	1 pc.
b)	501-9428.00-00000	PAGODA keyed alike	zinc die	black	IP54	1 pc.
b)	501-9437.00-00000	PAGODA keyed different	zinc die	chrome plated	IP54	1 pc.
b)	501-9438.00-00000	PAGODA keyed different	zinc die	black	IP54	1 pc.

+	Accessories
d)	154, 292 1-102 Cams L35/45 Steel
d)	161 1-262 Cams 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





IP 54

IP 65



RoHS WEEE



Advantages

- With extended housing and single sided 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.
- All lockable handles supplied with 2 keys

Materials

- **Handles:** PA, black with zinc die core or zinc die, chrome plated or black
- **Housing:** zinc die, chrome plated or black
- **Flat external seal:** NBR, black
- **Grounding nut:** zinc die

Remarks

- (S) Door-thickness see table
- Please configure the quarter-turn with a cam.
1. grounding nut

Quarter-Turn with L-handle, PA, black

	Part Number	Housing length	Latching type	Door-thickness (S)	IP protection	Installation type	Delivery Unit
a)	200-9404.00-00000	30 mm		max. 20 mm	IP65	screw-on	1 pc.
b)	200-9407.00-00000	30 mm	keyed alike DIRAK 1333	max. 20 mm	IP54	screw-on	1 pc.
b)	500-9407.00-00000	30 mm	keyed alike DS200	max. 20 mm	IP54	screw-on	1 pc.
b)	200-9410.00-00000	30 mm	keyed different	max. 20 mm	IP54	screw-on	1 pc.
a)	200-9405.00-00000	40 mm		max. 30 mm	IP65	screw-on	1 pc.
b)	200-9408.00-00000	40 mm	keyed alike DIRAK 1333	max. 30 mm	IP54	screw-on	1 pc.
b)	500-9408.00-00000	40 mm	keyed alike DS200	max. 30 mm	IP54	screw-on	1 pc.
b)	200-9411.00-00000	40 mm	keyed different	max. 30 mm	IP54	screw-on	1 pc.
a)	200-9406.00-00000	50 mm		max. 40 mm	IP65	screw-on	1 pc.
b)	200-9409.00-00000	50 mm	keyed alike DIRAK 1333	max. 40 mm	IP54	screw-on	1 pc.
b)	500-9409.00-00000	50 mm	keyed alike DS200	max. 40 mm	IP54	screw-on	1 pc.
b)	200-9412.00-00000	50 mm	keyed different	max. 40 mm	IP54	screw-on	1 pc.
a)	200-9414.00-00000	60 mm		max. 50 mm	IP65	screw-on	1 pc.
b)	200-9415.00-00000	60 mm	keyed alike DIRAK 1333	max. 50 mm	IP54	screw-on	1 pc.
b)	500-9415.00-00000	60 mm	keyed alike DS200	max. 50 mm	IP54	screw-on	1 pc.
b)	200-9416.00-00000	60 mm	keyed different	max. 50 mm	IP54	screw-on	1 pc.

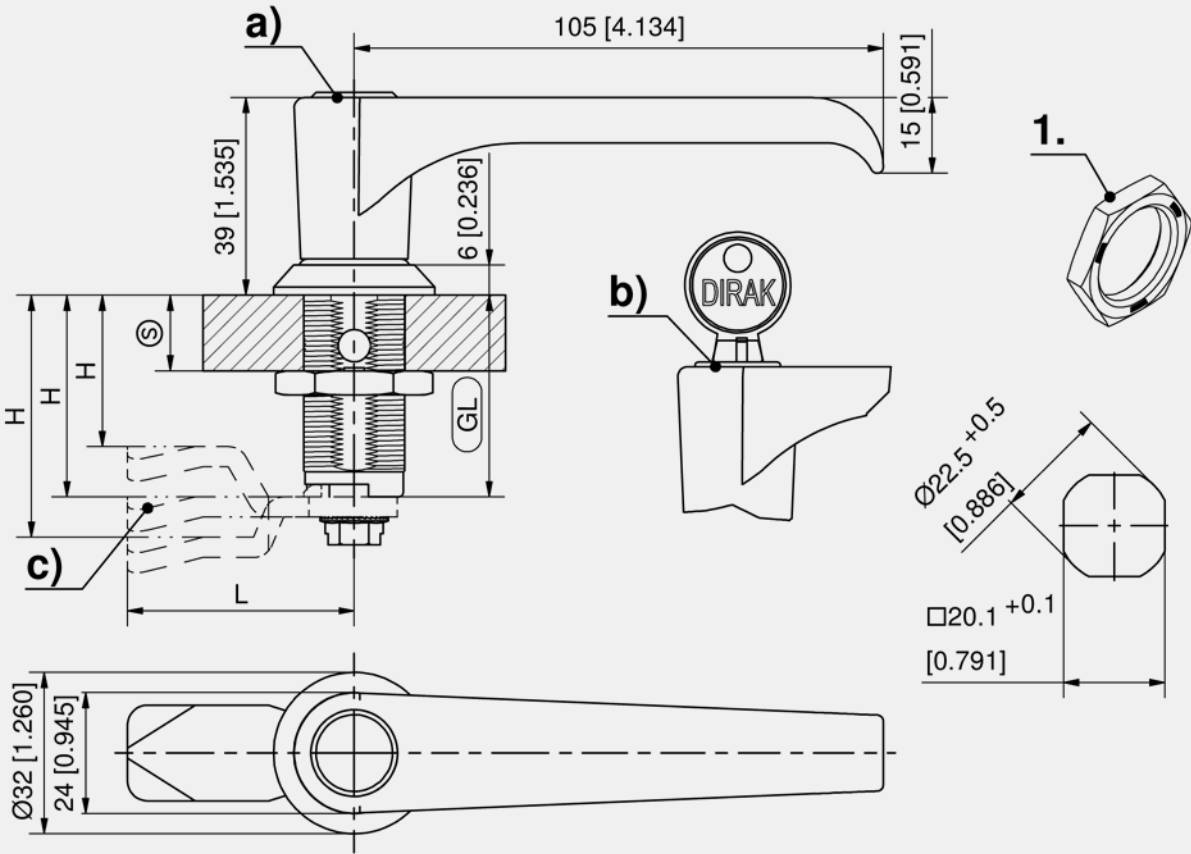
Quarter-Turn with L-handle, zinc die, chrome plated

	Part Number	Housing length	Door-thickness (S)	Latching type	IP protection	Installation type	Delivery Unit
a)	200-9439.00-00000	30 mm	max. 20 mm		IP65	screw-on	1 pc.
b)	200-9443.00-00000	30 mm	max. 20 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
b)	200-9447.00-00000	30 mm	max. 20 mm	keyed different	IP54	screw-on	1 pc.
b)	501-9443.00-00000	30 mm	max. 20 mm	PAGODA keyed alike	IP54	screw-on	1 pc.
b)	501-9447.00-00000	30 mm	max. 20 mm	PAGODA keyed different	IP54	screw-on	1 pc.
a)	200-9440.00-00000	40 mm	max. 30 mm		IP65	screw-on	1 pc.
b)	200-9444.00-00000	40 mm	max. 30 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
b)	500-9444.00-00000	40 mm	max. 30 mm	keyed alike DS200	IP54	screw-on	1 pc.
b)	200-9448.00-00000	40 mm	max. 30 mm	keyed different	IP54	screw-on	1 pc.
b)	501-9444.00-00000	40 mm	max. 30 mm	PAGODA keyed alike	IP54	screw-on	1 pc.
b)	501-9448.00-00000	40 mm	max. 30 mm	PAGODA keyed different	IP54	screw-on	1 pc.
a)	200-9441.00-00000	50 mm	max. 40 mm		IP65	screw-on	1 pc.
b)	200-9445.00-00000	50 mm	max. 40 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
b)	200-9449.00-00000	50 mm	max. 40 mm	keyed different	IP54	screw-on	1 pc.
b)	501-9445.00-00000	50 mm	max. 40 mm	PAGODA keyed alike	IP54	screw-on	1 pc.
b)	501-9449.00-00000	50 mm	max. 40 mm	PAGODA keyed different	IP54	screw-on	1 pc.
a)	200-9442.00-00000	60 mm	max. 50 mm		IP65	screw-on	1 pc.
b)	200-9446.00-00000	60 mm	max. 50 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
b)	200-9450.00-00000	60 mm	max. 50 mm	keyed different	IP54	screw-on	1 pc.
b)	501-9446.00-00000	60 mm	max. 50 mm	PAGODA keyed alike	IP54	screw-on	1 pc.
b)	501-9450.00-00000	60 mm	max. 50 mm	PAGODA keyed different	IP54	screw-on	1 pc.

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

	Part Number	Housing length	Door-thickness (S)	Latching type	IP protection	Installation type	Delivery Unit
a)	200-9451.00-00000	30 mm	max. 20 mm		IP65	screw-on	1 pc.
b)	200-9455.00-00000	30 mm	max. 20 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
b)	200-9459.00-00000	30 mm	max. 20 mm	keyed different	IP54	screw-on	1 pc.
b)	501-9455.00-00000	30 mm	max. 20 mm	PAGODA keyed alike	IP54	screw-on	1 pc.
b)	501-9459.00-00000	30 mm	max. 20 mm	PAGODA keyed different	IP54	screw-on	1 pc.
a)	200-9452.00-00000	40 mm	max. 30 mm		IP65	screw-on	1 pc.
b)	200-9456.00-00000	40 mm	max. 30 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
b)	500-9456.00-00000	40 mm	max. 30 mm	keyed alike DS200	IP54	screw-on	1 pc.
b)	200-9460.00-00000	40 mm	max. 30 mm	keyed different	IP54	screw-on	1 pc.
b)	501-9456.00-00000	40 mm	max. 30 mm	PAGODA keyed alike	IP54	screw-on	1 pc.
b)	501-9460.00-00000	40 mm	max. 30 mm	PAGODA keyed different	IP54	screw-on	1 pc.
a)	200-9453.00-00000	50 mm	max. 40 mm		IP65	screw-on	1 pc.
b)	200-9457.00-00000	50 mm	max. 40 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
b)	500-9457.00-00000	50 mm	max. 40 mm	keyed alike DS200	IP54	screw-on	1 pc.
b)	200-9461.00-00000	50 mm	max. 40 mm	keyed different	IP54	screw-on	1 pc.
b)	501-9457.00-00000	50 mm	max. 40 mm	PAGODA keyed alike	IP54	screw-on	1 pc.
b)	501-9461.00-00000	50 mm	max. 40 mm	PAGODA keyed different	IP54	screw-on	1 pc.
a)	200-9454.00-00000	60 mm	max. 50 mm		IP65	screw-on	1 pc.
b)	200-9458.00-00000	60 mm	max. 50 mm	keyed alike DIRAK 1333	IP54	screw-on	1 pc.
b)	500-9458.00-00000	60 mm	max. 50 mm	keyed alike DS200	IP54	screw-on	1 pc.
b)	200-9462.00-00000	60 mm	max. 50 mm	keyed different	IP54	screw-on	1 pc.
b)	501-9458.00-00000	60 mm	max. 50 mm	PAGODA keyed alike	IP54	screw-on	1 pc.
b)	501-9462.00-00000	60 mm	max. 50 mm	PAGODA keyed different	IP54	screw-on	1 pc.

	Accessories
c)	154, 292 1-102 Cams L35/45 Steel
c)	161 1-262 Cams variable



Quarter-Turn with L-Handle Pr20.1 L18 Stainless Steel [7-103]



Advantages

- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled.
- A pre-assembled quarter-turn can be installed in the cutout.
- All lockable L-handles supplied with two keys.

Materials

- **L-handle:** AISI 316, surface polished
- **Nut, grounding nut:** stainless steel

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with a cam.
Price and delivery time on request!
1. flat external seal

Quarter-Turn with L-Handle Pr20.1 L30/50 [7-095.01]



Advantages

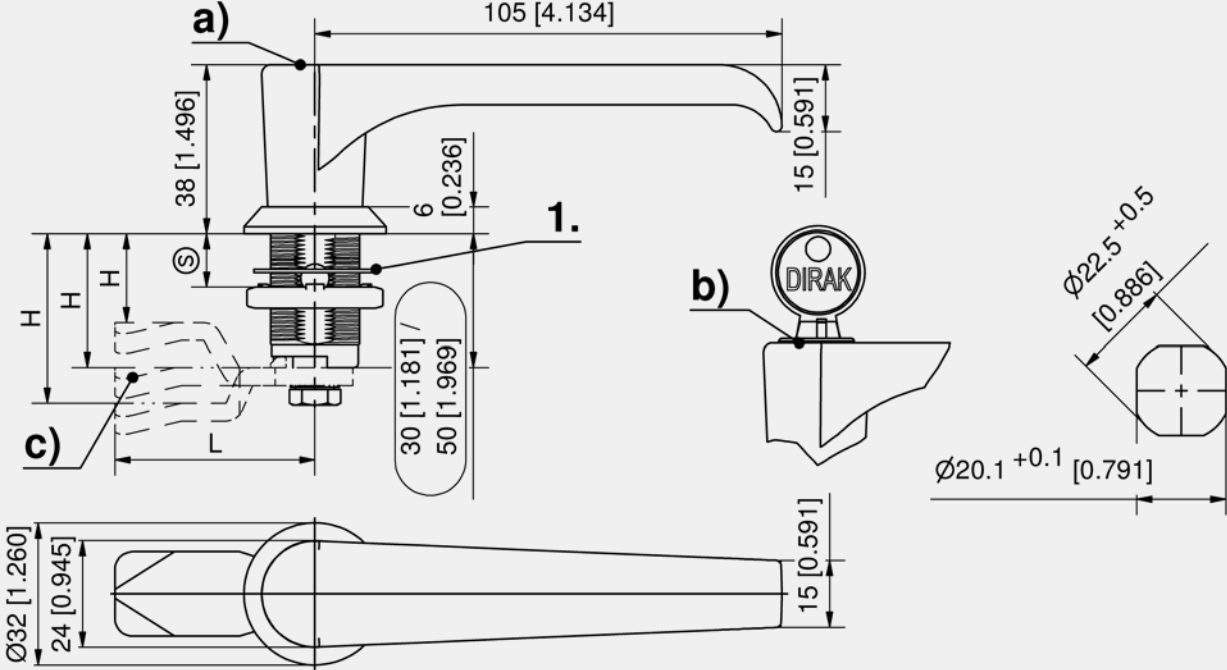
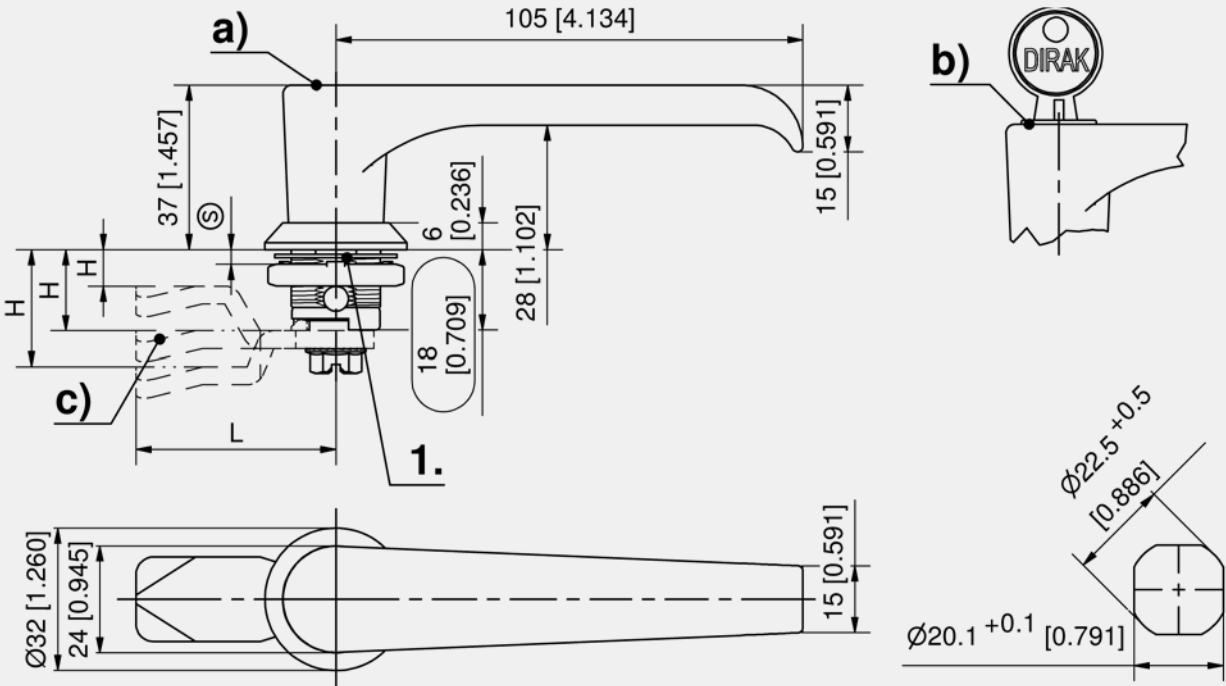
- Quarter-turn with L-handle with extended housing.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by single sided grounding nut.
- Pre-assembled without cam.
- All lockable handles supplied with two keys.

Materials

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

Remarks

Please configure the quarter-turn with a cam.
Price and delivery time on request.
Maximum door-thickness 20mm / 40mm.
Further housing lengths on request.
1. flat external seal



Quarter-Turn with L-handle

	Part Number	Latching type	Installation type	Delivery Unit
a)	200-9418.00-00000	keyed alike DIRAK 1333 keyed different	screw-on	1 pc.
b)	200-9485.00-00000		screw-on	1 pc.
b)	200-9486.00-00000		screw-on	1 pc.
Accessories		Assembly options		
c)	154, 292	1-102 Cams L35/45 Steel		
c)	161	1-262 Cams variable		
c)	156	7-105 Cams L35/45 Stainless Steel		
		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

	Part Number	Housing length	Latching type	Door-thickness (S)	Installation type	Delivery Unit
a)	100-9407.00-00000	30 mm	keyed alike DIRAK 1333 keyed different	max. 20 mm	screw-on	1 pc.
b)	100-9408.00-00000	30 mm		max. 20 mm	screw-on	1 pc.
b)	100-9409.00-00000	30 mm		max. 20 mm	screw-on	1 pc.
a)	100-9410.00-00000	50 mm	keyed alike DIRAK 1333 keyed different	max. 40 mm	screw-on	1 pc.
b)	100-9411.00-00000	50 mm		max. 40 mm	screw-on	1 pc.
b)	100-9412.00-00000	50 mm		max. 40 mm	screw-on	1 pc.
	Accessories				Assembly options	
c)	154, 292	1-102 Cams L35/45 Steel		200-0001.00-00000 Assembling cam without o-ring		
c)	161	1-262 Cams variable		200-0019.00-00000 Assembling cam 90° to handle without o-ring		
c)	156	7-105 Cams L35/45 Stainless Steel		200-0020.00-00000 Assembling cam, LH door		



Quarter-Turn with L-Handle Pr20.1 L18

[1-151]



Advantages

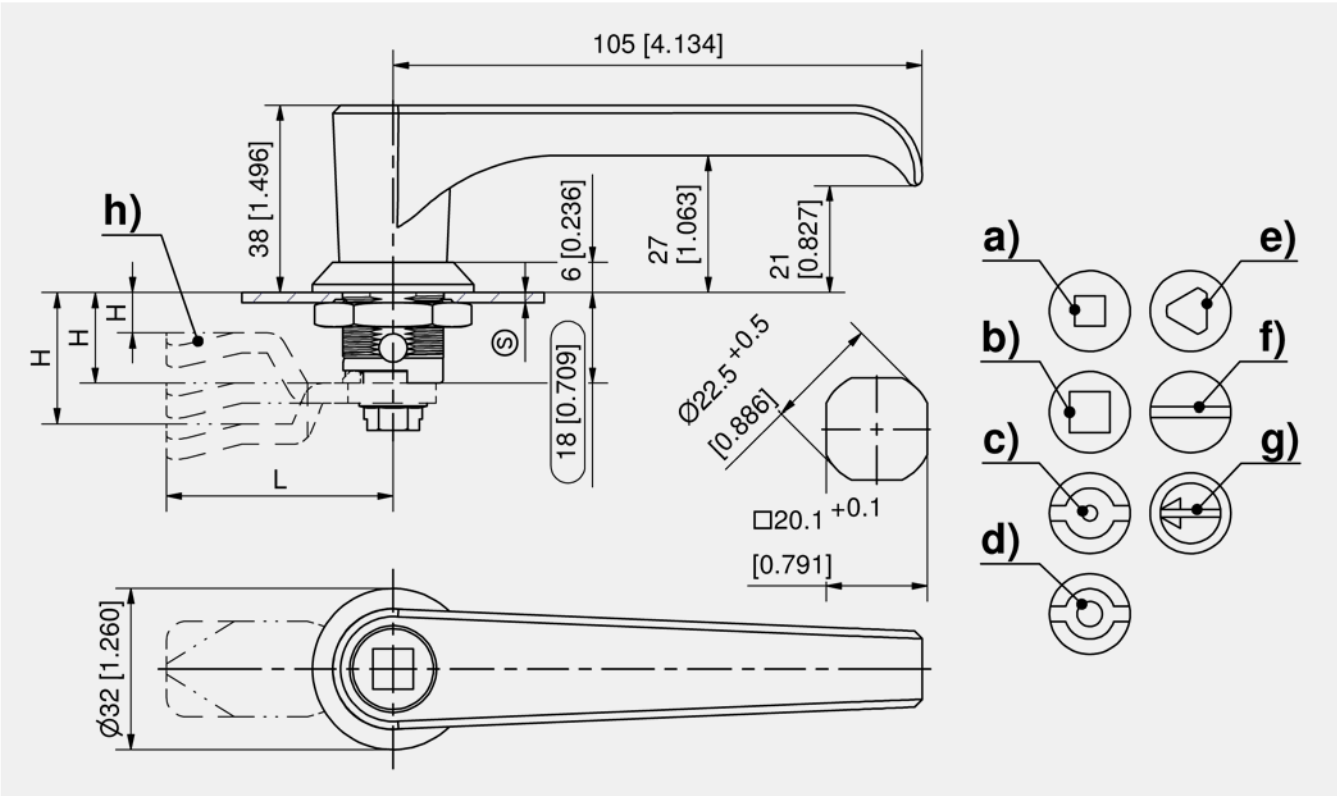
- The radial spring loaded insert automatically locks the handle when the handle rotates back into the closed position.
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled by DIRAK.
- A pre-assembled quarter-turn can be installed in the cutout.

Materials

- **L-handle:** PA, black with zinc die core
- **Insert:** zinc die, chrome plated
- **Grounding nut:** zinc die

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with a cam.
Padlock feature only if cam is at 90° to the L-handle.



Quarter-Turn with L-handle

	Part Number	Insert	Installation type	Delivery Unit
a)	200-9429.00-00000	Square 6mm	screw-on	1 pc.
b)	200-9431.00-00000	Square 8mm	screw-on	1 pc.
c)	200-9432.00-00000	Double bit 3mm pin	screw-on	1 pc.
d)	200-9433.00-00000	Double bit 5mm pin	screw-on	1 pc.
e)	200-9435.00-00000	Triangular 8mm	screw-on	1 pc.
f)	200-9436.00-00000	Slotted 2x4mm	screw-on	1 pc.
g)	200-9475.00-00000	Slotted recessed coinproof	screw-on	1 pc.

+	Accessories
h)	154, 292 1-102 Cams L35/45 Steel
h)	161 1-262 Cams variable
	768 6-100 Wrench
	766 6-101 Universal key

⚙	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 for Padlock Pr20.1 L22/32

[1-117]



Advantages

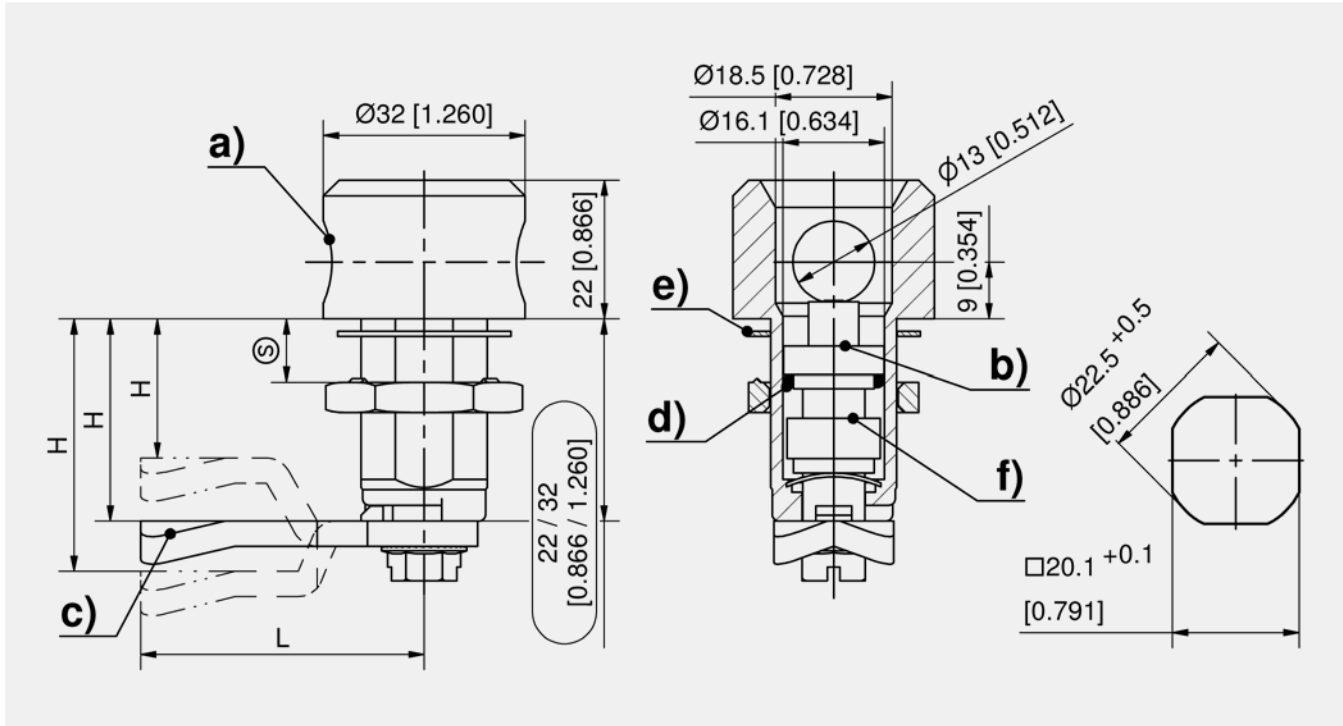
- For cutout Pr20.1.
- Lockable by a padlock.
- IP65 according to DIN EN 60529 by sealing kit (optional).
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.

Materials

- **Housing:** zinc die, chrome plated or black
- **Grounding nut:** zinc die

Remarks

Please configure the quarter-turn with insert, (adapter) and cam.
Negatively bent cams can **not** be installed pre-assembled.



Quarter-Turn for padlock

	Part Number	Surface	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	200-9082.00-00000	chrome plated	22 mm	max. 12 mm	screw-on	10 pcs.
a)	200-9083.00-00000	black	22 mm	max. 12 mm	screw-on	10 pcs.
a)	200-9084.00-00000	chrome plated	32 mm	max. 22 mm	screw-on	10 pcs.
a)	200-9085.00-00000	black	32 mm	max. 22 mm	screw-on	10 pcs.

+	Accessories
b)	150 1-101 Inserts Pr20.1
c)	154, 292 1-102 Cams L35/45 Steel
f)	200-9031.00-00000 Adapter set L20
	768 6-100 Wrench
	766 6-101 Universal key

* d) and e)	Function extension
	209-9002.00-00000 Sealing kit IP65 for Quarter-Turns Pr20.1



Quarter-Turn for Padlock Pr20.1 L 18/40

[1-132]



Advantages

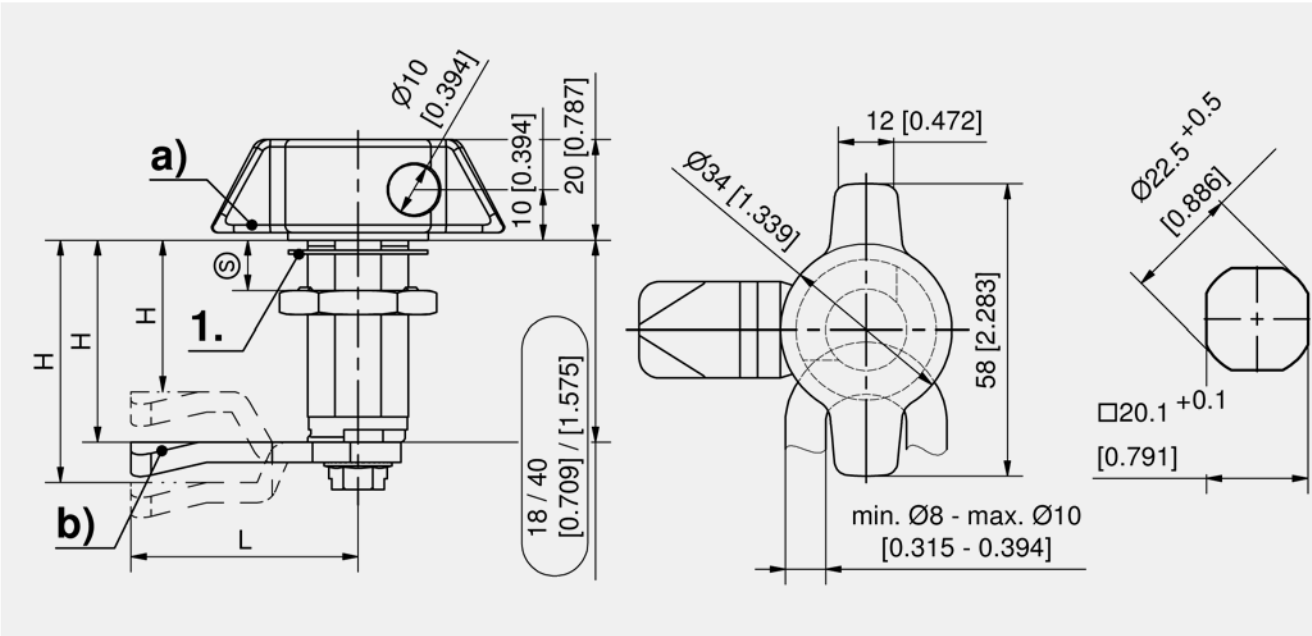
- For cutout 20.1
- IP66 according to DIN EN 60529.
- RH / LH application
- Grounding by grounding nut.
- A pre-assembled quarter-turn can be installed in the cutout.

Materials

- **Wing knob:** zinc die, chrome plated or black
- **Housing:** zinc die, zinc plated
- **Grounding nut:** zinc die

Remarks

(S) Door-thickness see table
Please configure the quarter-turn with a cam.
Padlock feature only if cam is at 90° to the wing knob.
1. seal



Quarter-Turn for padlock

	Part Number	Surface	Version	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	200-9365.00-00000	black	E-coated	18 mm	max. 8 mm	screw-on	1 pc.
a)	100-9311.00-00000	black	E-coated	40 mm	max. 30 mm	screw-on	1 pc.
a)	200-9365.TX-00000	black	Textured powder, black	18 mm	max. 8 mm	screw-on	1 pc.
a)	100-9311.TX-00000	black	Textured powder, black	40 mm	max. 30 mm	screw-on	1 pc.
a)	200-9364.00-00000	chrome plated		18 mm	max. 8 mm	screw-on	1 pc.
a)	100-9310.00-00000	chrome plated		40 mm	max. 30 mm	screw-on	1 pc.

Accessories	
b)	154, 292 1-102 Cams L35/45 Steel
b)	161 1-262 Cams variable
Assembly options	
200-0020.00-00000 Assembling cam, LH door	
200-0021.00-00000 Assembling cam, RH door	

Quarter-Turn for Padlock Pr20.1 L18 Stainless Steel [7-085]



Advantages

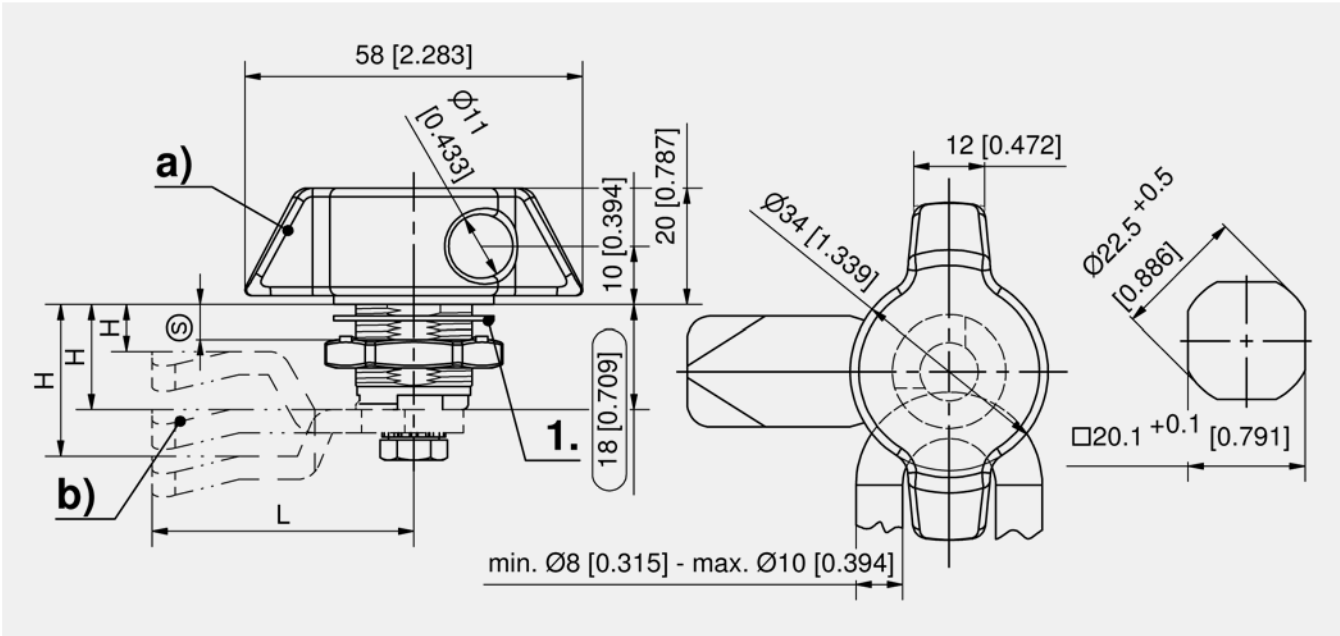
- IP65/67 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- A pre-assembled quarter-turn can be installed in the cutout.

Materials

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

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with a cam.
Padlock feature only if cam is at 90° to the wing knob.
1. flat external seal



Quarter-Turn for padlock

	Part Number	Housing length	Installation type	Delivery Unit
a)	200-9375.00-00000	18 mm	screw-on	1 pc.

Accessories	
b)	156 7-105 Cams L35/45 Stainless Steel
	154, 292 1-102 Cams L35/45 Steel
	161 1-262 Cams variable
Assembly options	
200-0019.00-00000 Assembling cam 90° to handle without o-ring	
200-0020.00-00000 Assembling cam, LH door	



L-Handle for Padlock Pr20.1 L18/40

[1-154]



Advantages

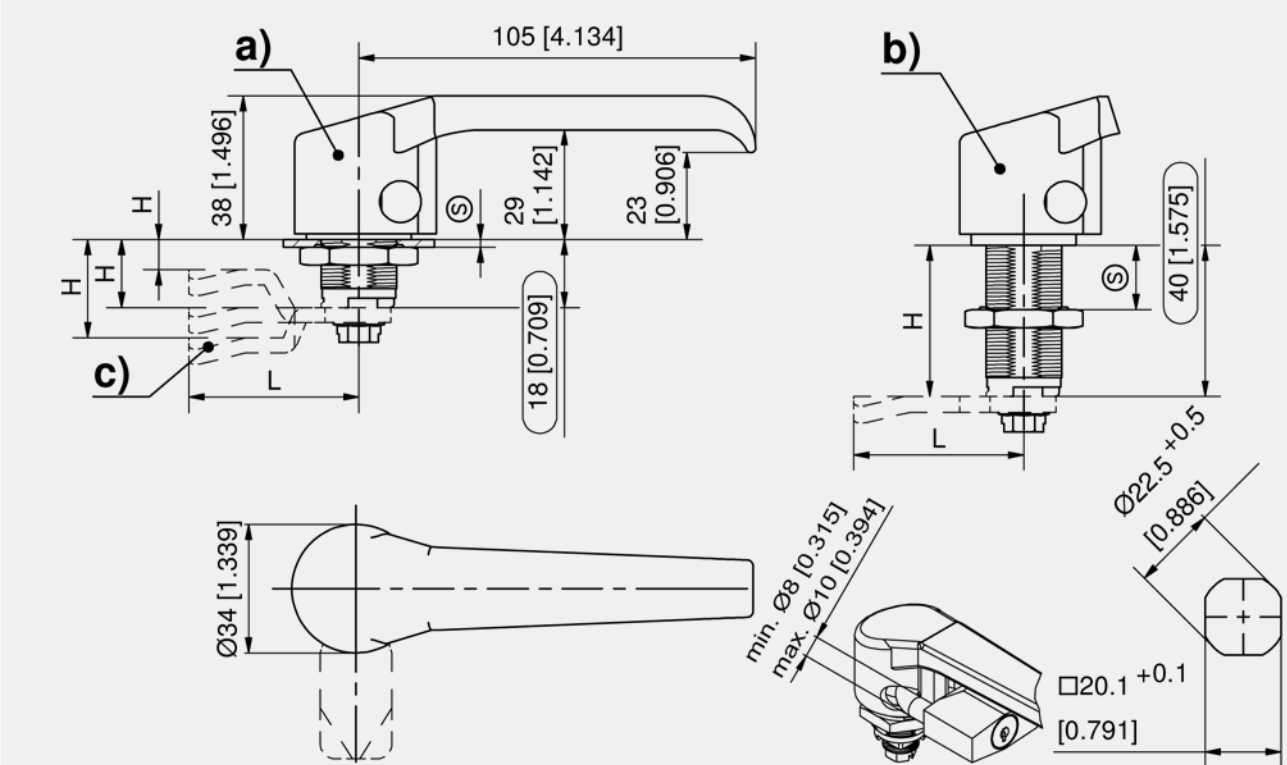
- For cutout 20.1.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled by DIRAK.
- The L-handle can be screwed into the cutout with the pre-assembled cam.

Materials

- **L-handle:** zinc die, chrome plated or black
- **Housing:** zinc die, zinc plated
- **Grounding nut:** zinc die
- **O-ring:** NBR

Remarks

(S) Door-thickness see table
Please configure the L-handle with a cam.
Padlock feature only if cam is at 90° to the L-handle.



L-handle for padlock

	Part Number	Surface	Version	Housing length	Door-thickness (S)	Installation type	Delivery Unit
a)	200-9463.00-00000	chrome plated	glossy	18 mm	max. 8 mm	screw-on	1 pc.
a)	200-9464.00-00000	black	E-coated	18 mm	max. 8 mm	screw-on	1 pc.
a)	200-9464.TX-00000	black	Textured powder, black	18 mm	max. 8 mm	screw-on	1 pc.
b)	200-9491.00-00000	chrome plated	glossy	40 mm	max. 30 mm	screw-on	1 pc.
b)	200-9492.00-00000	black	E-coated	40 mm	max. 30 mm	screw-on	1 pc.
b)	200-9492.TX-00000	black	Textured powder, black	40 mm	max. 30 mm	screw-on	1 pc.

+	Accessories
c)	154, 292 1-102 Cams L35/45 Steel
c)	161 1-262 Cams variable

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

L-Handle for Padlock Pr20.1 L18

[1-154.01]



Advantages

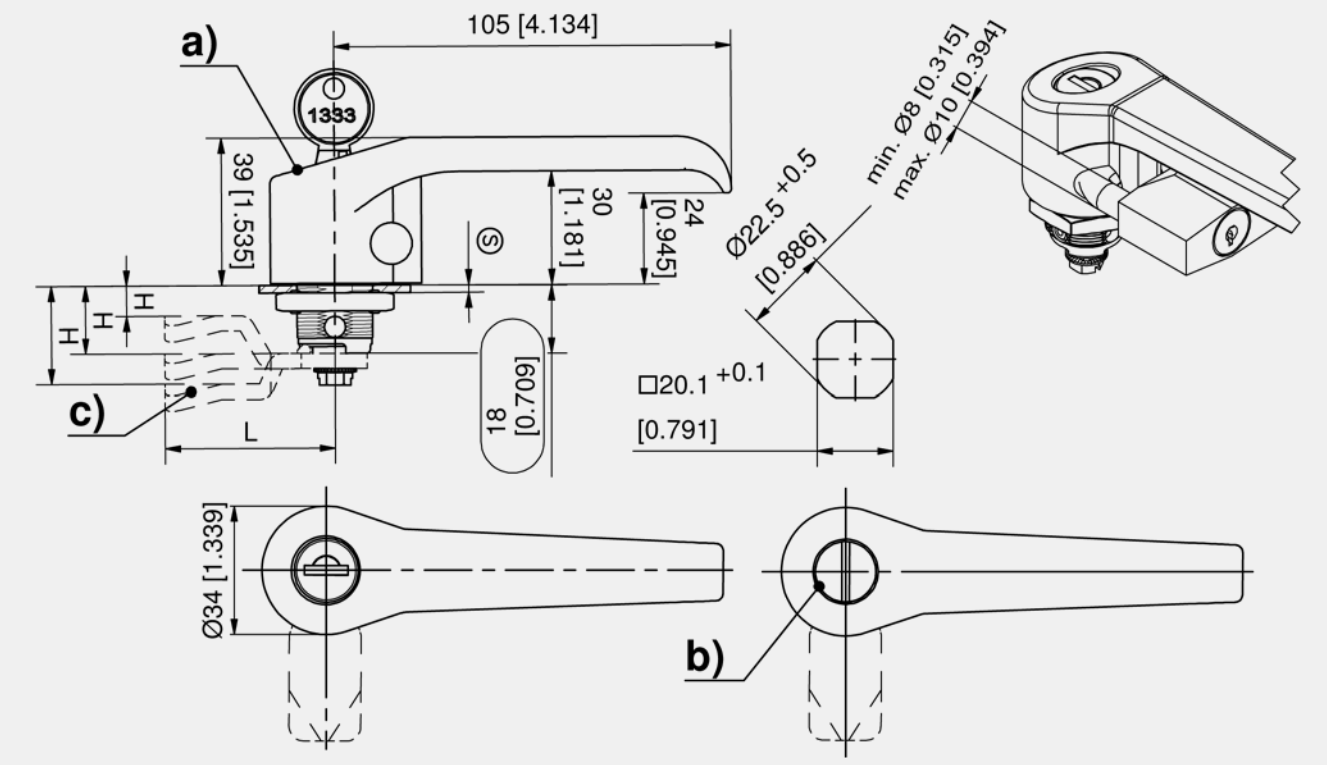
- With cylinder barrel or spring-loaded slotted insert.
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled by DIRAK.
- The quarter-turn can be screwed into the cutout with the pre-assembled cam.
- All lockable handles supplied with 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
- **Grounding nut:** zinc die

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn with a cam.
Padlock feature only if cam is at 90° to the L-handle.



L-handle for padlock

	Part Number	Version	Insert	Latching type	Installation type	Delivery Unit
a)	200-9488.00-00000	E-coated		keyed alike DIRAK 1333	screw-on	1 pc.
a)	200-9488.TX-00000	Textured powder, black		keyed alike DIRAK 1333	screw-on	1 pc.
a)	200-9490.00-00000	E-coated		keyed different	screw-on	1 pc.
a)	200-9490.TX-00000	Textured powder, black		keyed different	screw-on	1 pc.
b)	200-9489.00-00000	E-coated	Slotted 2x4mm		screw-on	1 pc.
b)	200-9489.TX-00000	Textured powder, black	Slotted 2x4mm		screw-on	1 pc.

+	Accessories
c)	154, 292 1-102 Cams L35/45 Steel
c)	161 1-262 Cams variable

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



L-Handle for Padlock Pr20.1 L18 Stainless Steel [7-100]



Advantages

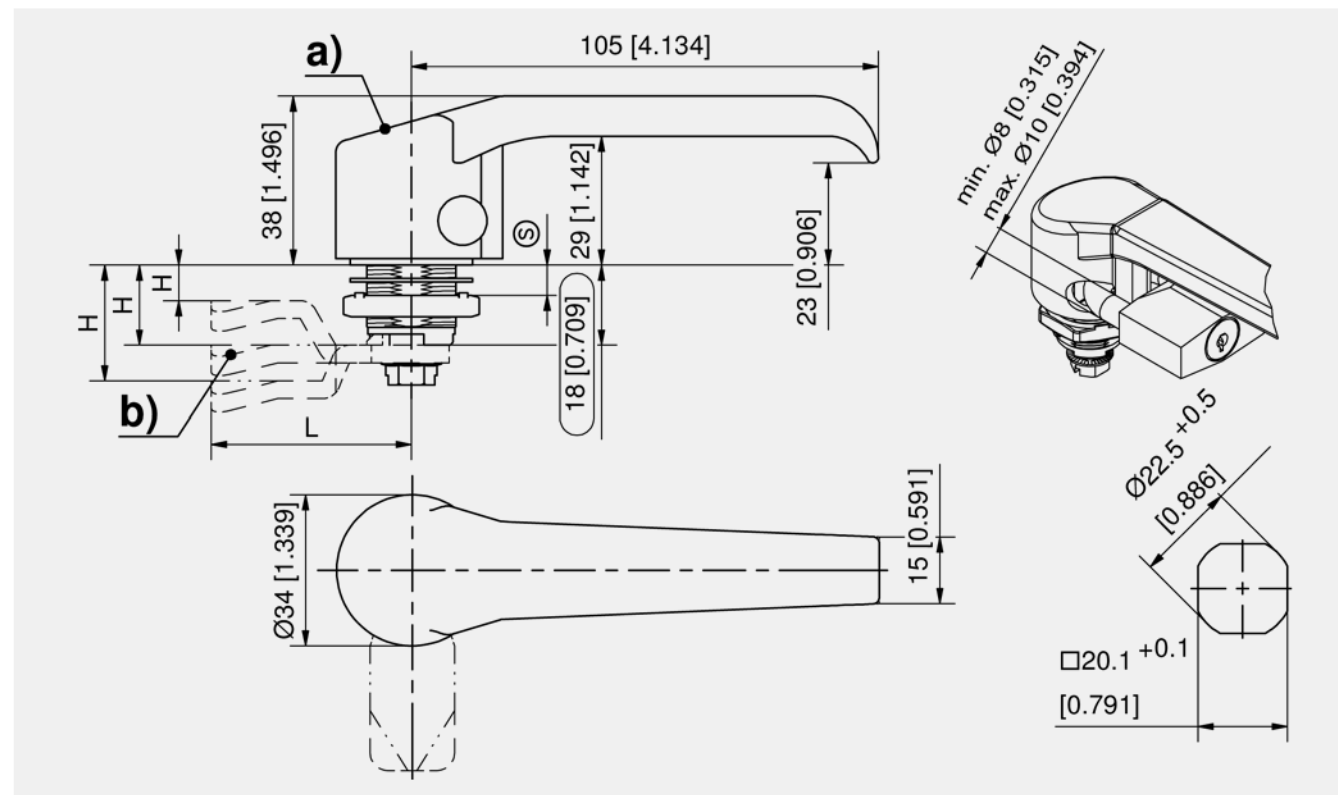
- IP65 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- On request parts can be assembled by DIRAK.
- A pre-assembled quarter-turn can be installed in the cutout.

Materials

- **L-Handle:** AISI 316, surface polished
- **Grounding nut:** stainless steel
- **O-ring:** NBR

Remarks

(S) Door-thickness max. 8mm
Please configure the quarter-turn
with a cam.
Padlock feature only if cam is at
90° to the L-handle.



L-handle for padlock

	Part Number	Housing length	Installation type	Delivery Unit
a)	200-9481.00-00000	18 mm	screw-on	1 pc.



Accessories

- | | | |
|----|----------|-------------------------------|
| b) | 154, 292 | 1-102 Cams L35/45 Steel |
| b) | 161 | 1-262 Cams variable |
| b) | 156 | 7-105 Cams L35/45 Stainless S |



Assembly options

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



L-Wing-Handle for Padlock Pr20.1 L18 [1-651]



Advantages

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

Materials

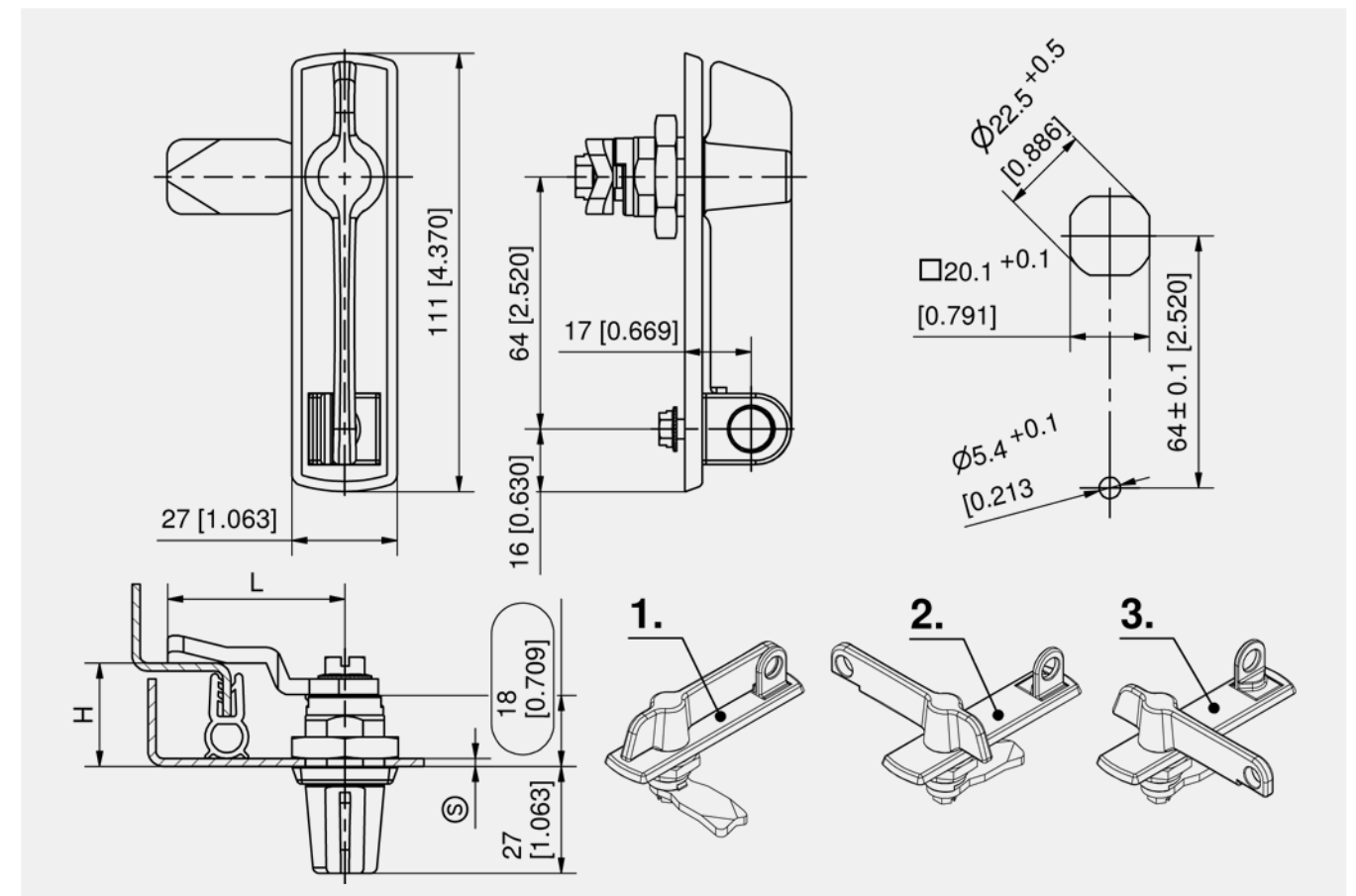
- **Housing, stop and handle:** zinc die, black
- **Nut and hex screw:** steel
- **Internal wave washer:** steel, zinc plated

Remarks

(S) Door-thickness max. 8mm

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

Please configure the quarter-turn with a cam.



L-wing handle for padlock

Part Number	Housing length	Installation type	Delivery Unit
281-9101.00-00000	18 mm	screw-on	10 pcs.



Accessories

- | | | |
|-------------------|-------|-------------------------------------|
| 154, 292 | 1-102 | Cams L35/45 Steel |
| 161 | 1-262 | Cams 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 |



L-Handle for Padlock Pr20.1 L18

[1-153]



Advantages

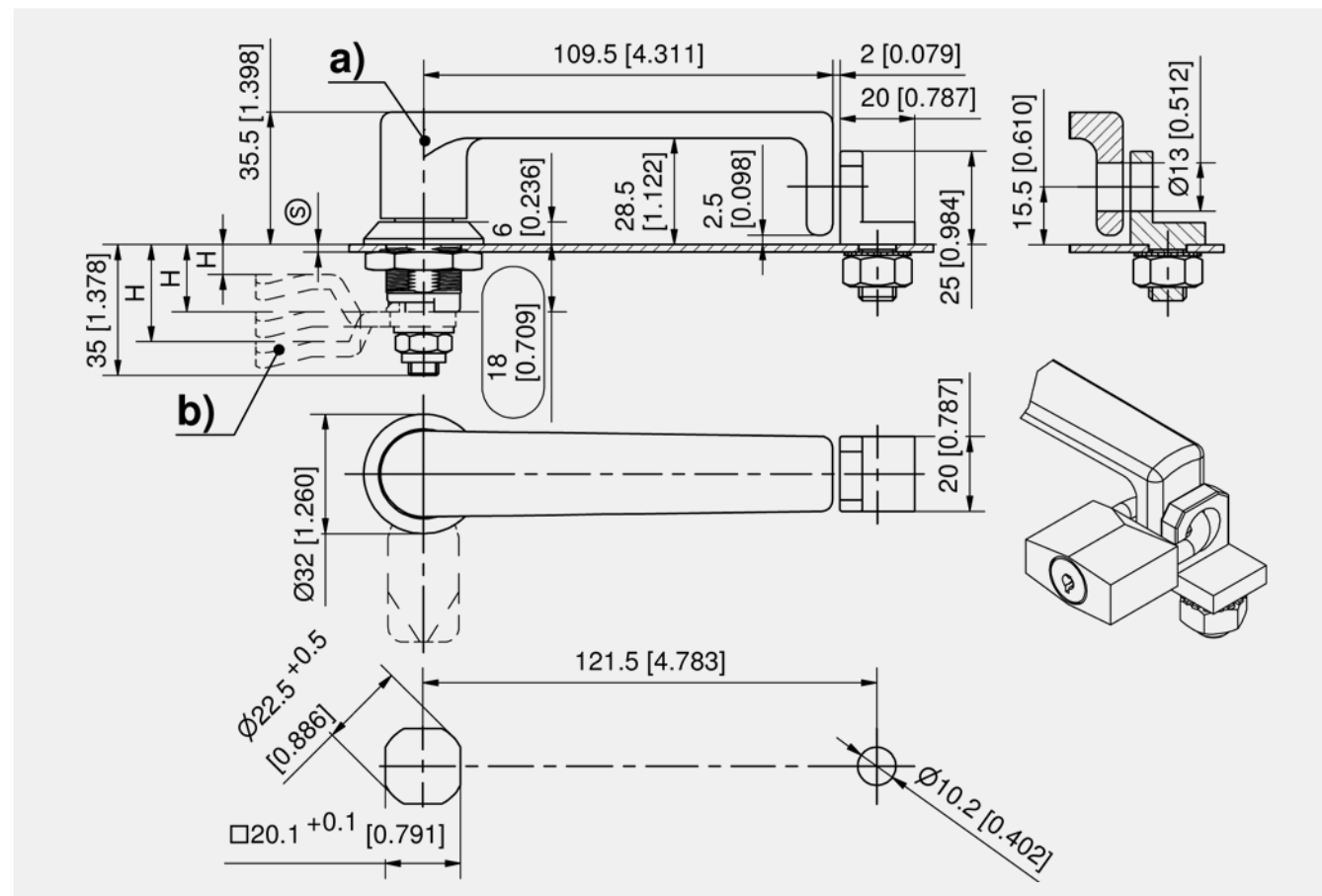
- IP65 according to DIN EN 60529.
- RH / LH application.

Materials

- **L-handle, hook and housing:** zinc die, black
- **Both threaded shafts in handle and hook:** steel, zinc plated
- **O-ring:** NBR

Remarks

(S) Door-thickness max. 5mm
Please configure the quarter-turn
with a cam.



Quarter-Turn with L-handle for padlock

	Part Number	Housing length	Installation type	Delivery Unit
a)	100-9413.00-00000	18 mm	screw-on	1 pc.

	Accessories	
b)	154, 292	1-102 Cams L35/45 Steel
b)	161	1-262 Cams variable



Quarter-Turn with L-Handle for Padlock

[7-104]



Advantages

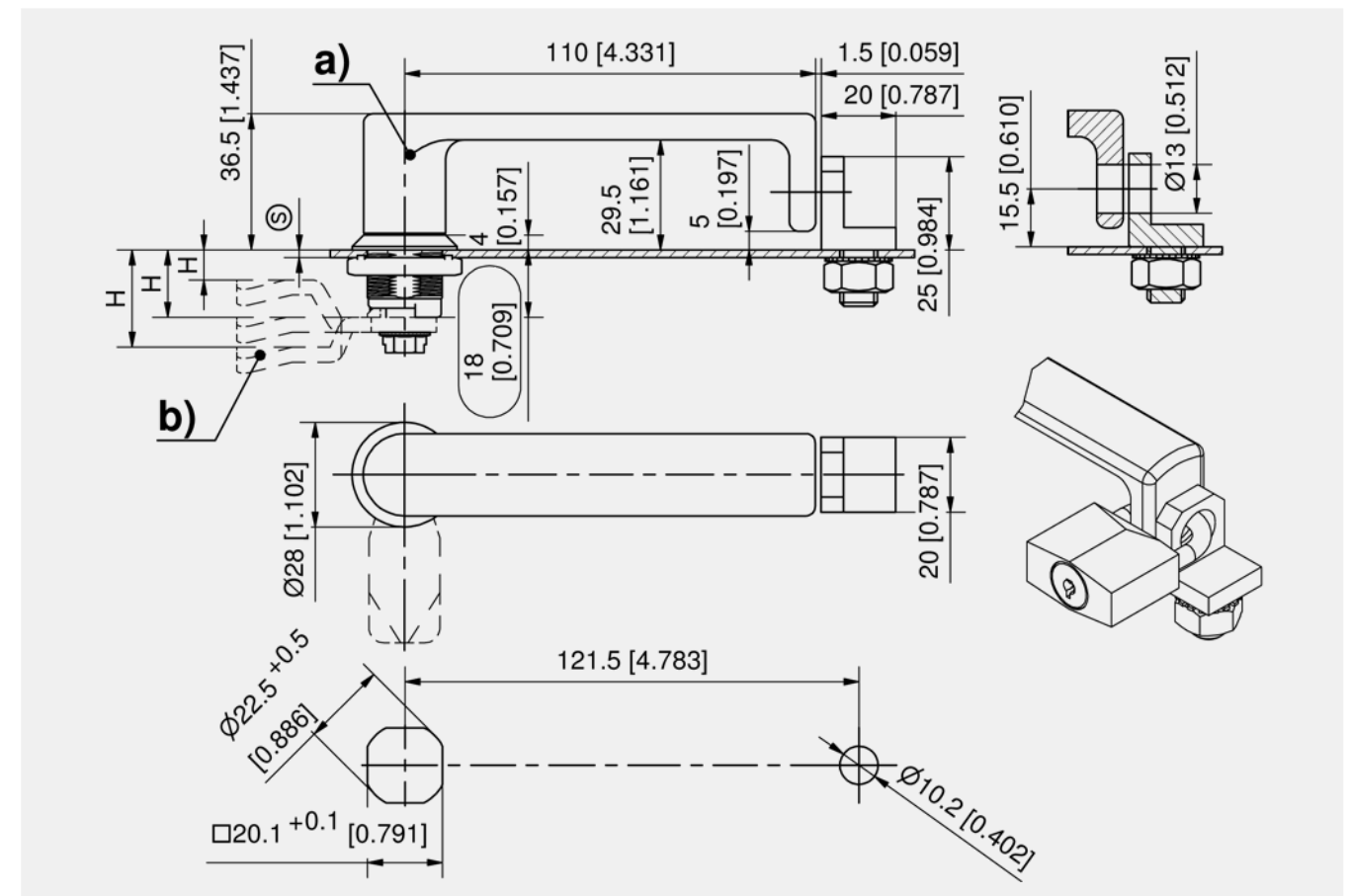
- IP65 according to DIN EN 60529 with 2 o-rings.
- RH / LH application.

Materials

- **L-Handle, housing and hook:** AISI 316
- **O-rings:** NBR

Remarks

(S) Door-thickness max. 5mm
Please configure the quarter-turn with a cam.



Quarter-Turn with L-handle for padlock

	Part Number	Housing length	Installation type	Delivery Unit
a)	200-9493.00-00000	18 mm	screw-on	1 pc.

	Accessories
b)	154, 292 1-102 Cams L35/45 Steel
b)	161 1-262 Cams variable
b)	156 7-105 Cams L35/45 Stainless Steel





Advantages

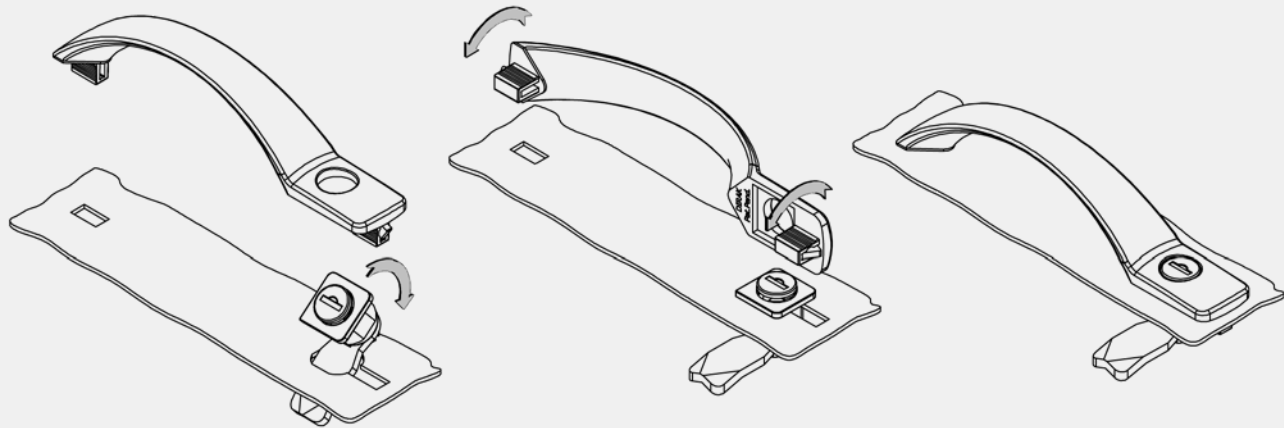
- Bowed handle with DIRAK-SNAP-Technology and quarter-turn, with cylinder or for insert.
- Rectangular cutout guarantees a perfect alignment.
- The installation is effected by a simple push into appropriate cutouts.
- The housing for cylinder or insert can be turned by 90° and the handle can be used for RH / LH, horizontal and vertical applications.
- Can be pre-assembled upon request.
- Tool-less, vibration-proof installation also in closed profiles.

Materials

- **Handle:** zinc die, matte chrome plated
- **Other surfaces on request.**
- **Housing:** zinc die
- **Snap wedges:** sintered steel
- **Grounding clip:** stainless steel

Remarks

Attention: H-dimension of the cam $\geq 14\text{mm}$
Please configure the quarter-turn with a cam.
In case of applying a cylinder the 3-point cam should **not** be used.
e) grounding clip
Please contact DIRAK for the part number of a completely pre-assembled handle.



1. Installation of Quarter-Turn

2. ENCASING the loose Quarter-Turn

3. Fitted and fixed Quarter-Turn

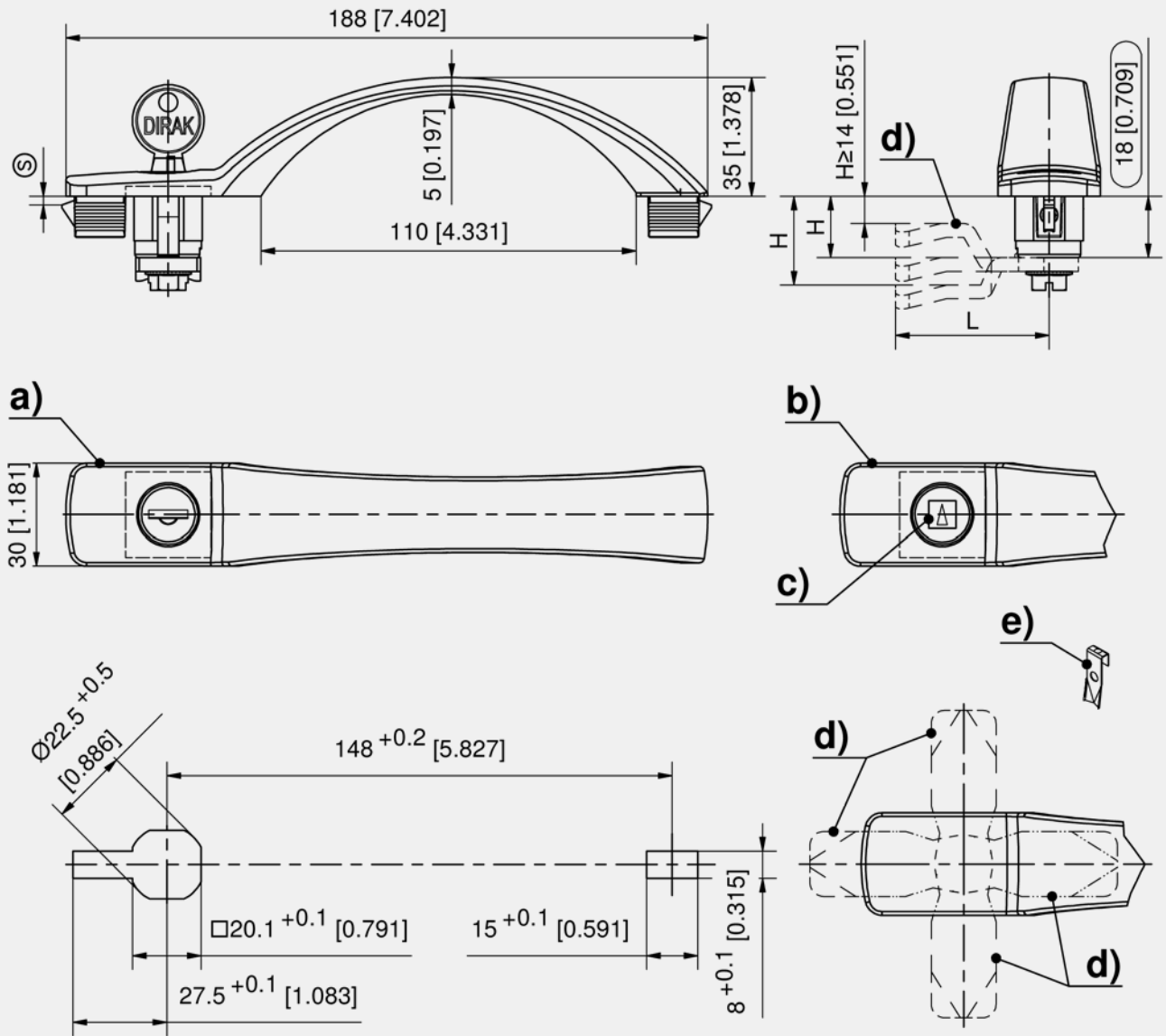
Bowed handle with cylinder

	Part Number	Clamping range (S)	Latching type	Grounding type	Installation type	Delivery Unit
a)	413-9301.00-00012	0.8 - 1.5 mm	keyed alike DIRAK 1333		tool-less	1 pc.
a)	413-9301.00-00016	1.3 - 2.0 mm	keyed alike DIRAK 1333		tool-less	1 pc.
a)	413-9301.00-00020	1.8 - 2.5 mm	keyed alike DIRAK 1333		tool-less	1 pc.
a)	413-9302.00-00012	0.8 - 1.5 mm	keyed different		tool-less	1 pc.
a)	413-9302.00-00016	1.3 - 2.0 mm	keyed different		tool-less	1 pc.
a)	413-9302.00-00020	1.8 - 2.5 mm	keyed different		tool-less	1 pc.
a)	413-9305.00-00012	0.8 - 1.5 mm	keyed alike DIRAK 1333	Grounding clip	tool-less	1 pc.
a)	413-9305.00-00016	1.3 - 2.0 mm	keyed alike DIRAK 1333	Grounding clip	tool-less	1 pc.
a)	413-9305.00-00020	1.8 - 2.5 mm	keyed alike DIRAK 1333	Grounding clip	tool-less	1 pc.
a)	413-9306.00-00012	0.8 - 1.5 mm	keyed different	Grounding clip	tool-less	1 pc.
a)	413-9306.00-00016	1.3 - 2.0 mm	keyed different	Grounding clip	tool-less	1 pc.
a)	413-9306.00-00020	1.8 - 2.5 mm	keyed different	Grounding clip	tool-less	1 pc.

Bowed handle for insert

	Part Number	Clamping range (S)	Grounding type	Installation type	Delivery Unit
b)	413-9303.00-00012	0.8 - 1.5 mm		tool-less	1 pc.
b)	413-9303.00-00016	1.3 - 2.0 mm		tool-less	1 pc.
b)	413-9303.00-00020	1.8 - 2.5 mm		tool-less	1 pc.
b)	413-9307.00-00012	0.8 - 1.5 mm	Grounding clip	tool-less	1 pc.
b)	413-9307.00-00016	1.3 - 2.0 mm	Grounding clip	tool-less	1 pc.
b)	413-9307.00-00020	1.8 - 2.5 mm	Grounding clip	tool-less	1 pc.

+	Accessories
c)	150 1-101 Inserts Pr20.1
d)	154, 292 1-102 Cams L35/45 Steel
d)	161 1-262 Cams variable
	175, 295 2-151 2-, 3- and 4-Point Cam Adapter
	768 6-100 Wrench
	766 6-101 Universal key



Compression Latch Pr22.1 with Flap Stainless Steel [7-071]



Advantages

- The flap is standing upright (90°) in unlocked position and closes, when compression latch is closed securely.
- The flap indicates locking position and protects against dust and water.
- Compression 6 mm.
- Seismic-proof according to GR-63-CORE, Issue 4.
- Vibration-proof according to DIN EN 61373.
- IP65/IP67 according to DIN EN 60529.
- RH and LH version.
- Grounding by grounding nut.
- Flat external seal (1.) damps the flap.
- Circumferential handle bar allows easy handling also with work- or safety gloves.

Materials

- Housing, flap, insert, grounding nut: AISI 316
- Screw, nut and spring: stainless steel
- O-ring: NBR

Remarks

(S) Door-thickness max. 8mm
On request available with reflecting sticker on the inside.
Please configure the quarter-turn with insert and cam.
Version b): secured against unintended opening at low pressure or high-speed.

Compression latch with insert, version RH, closing left

	Part Number	Insert	Installation type	Delivery Unit
a)	248-9603.00-00001	Double bit 3mm pin	screw-on	1 pc.
a)	248-9603.00-00002	Double bit 5mm pin	screw-on	1 pc.
a)	248-9603.00-00003	Square 8mm	screw-on	1 pc.
a)	248-9603.00-00004	Triangular 8mm	screw-on	1 pc.
a)	248-9603.00-00005	Conical square 9mm	screw-on	1 pc.

Compression latch with insert, version LH, closing right

	Part Number	Insert	Installation type	Delivery Unit
a)	248-9652.00-00001	Double bit 3mm pin	screw-on	1 pc.
a)	248-9652.00-00002	Double bit 5mm pin	screw-on	1 pc.
a)	248-9652.00-00003	Square 8mm	screw-on	1 pc.
a)	248-9652.00-00004	Triangular 8mm	screw-on	1 pc.
a)	248-9652.00-00005	Conical square 9mm	screw-on	1 pc.

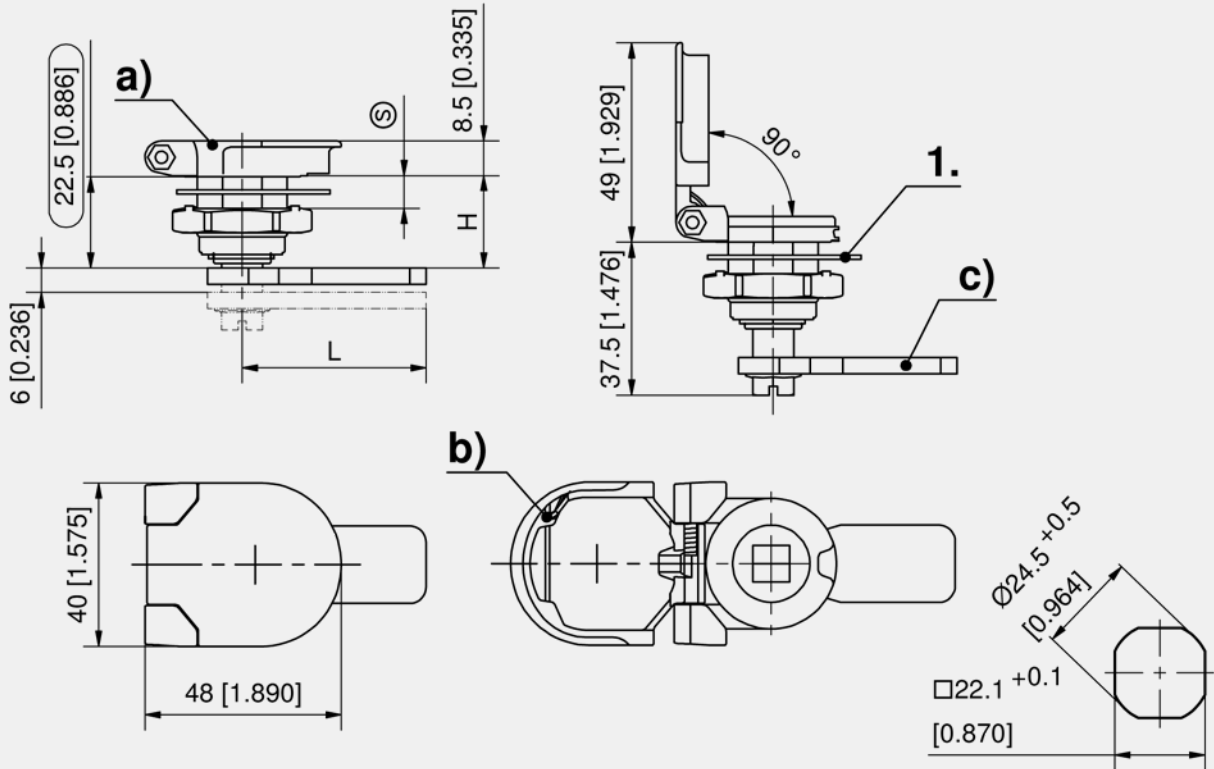
Compression latch with insert, version RH, closing left, spring secured

	Part Number	Insert	Installation type	Delivery Unit
b)	248-9604.00-00001	Double bit 3mm pin	screw-on	1 pc.
b)	248-9604.00-00002	Double bit 5mm pin	screw-on	1 pc.
b)	248-9604.00-00003	Square 8mm	screw-on	1 pc.
b)	248-9604.00-00004	Triangular 8mm	screw-on	1 pc.
b)	248-9604.00-00005	Conical square 9mm	screw-on	1 pc.

Compression latch with insert, version LH, closing right, spring secured

	Part Number	Insert	Installation type	Delivery Unit
b)	248-9653.00-00001	Double bit 3mm pin	screw-on	1 pc.
b)	248-9653.00-00002	Double bit 5mm pin	screw-on	1 pc.
b)	248-9653.00-00003	Square 8mm	screw-on	1 pc.
b)	248-9653.00-00004	Triangular 8mm	screw-on	1 pc.
b)	248-9653.00-00005	Conical square 9mm	screw-on	1 pc.

Accessories	
c)	159 7-105.01 Cams L35/45 Stainless Steel
	768 6-100 Wrench
	766 6-101 Universal key
	770 6-105 Keys for the Railway Sector
Specific accessories	
1.)	200-0916.00-00000 Flat external seal for PS 7-071



Compression Latch Pr22.1 with Flap

[1-075]



Advantages

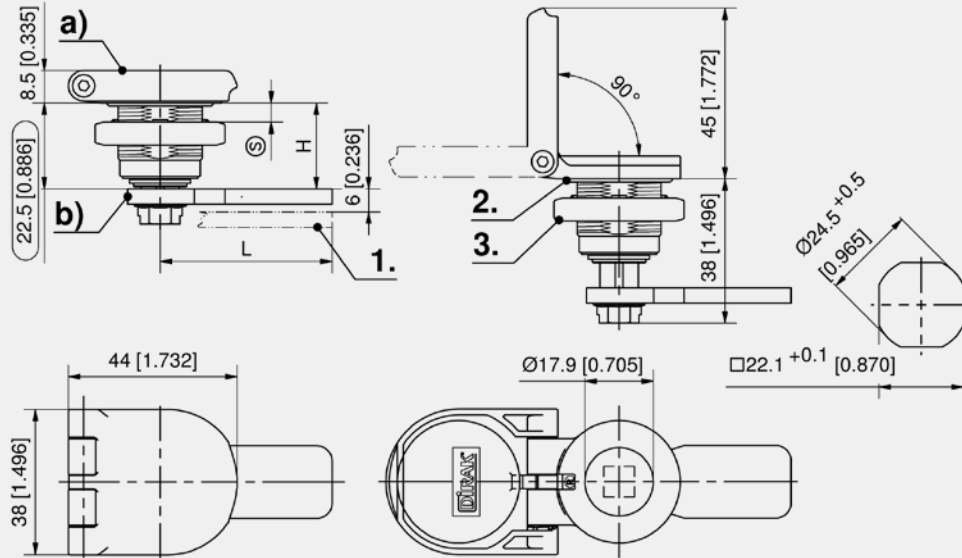
- Compression 6mm.
- The open flap indicates locking position and protects against dust and water.
- The flap is standing upright (90°) in unlocked position.
- The spring-loaded flap first closes, when compression latch is closed securely.
- Seismic-proof according GR-63-CORE, Issue 4.
- Vibration-proof according to DIN EN 61373.
- IP65/IP67 according to DIN EN 60529.
- RH and LH version.
- Grounding by grounding nut.

Materials

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

Remarks

- (S) Door-thickness max. 8mm
Please configure the quarter-turn with insert and cam.
- The H-dimension can be varied by the cranking of the cams.
1. stroke 6mm
 2. o-ring
 3. single sided grounding nut





Advantages

- For cutout PrA.
- Clip-in installation.
- IP65 according to DIN EN 60529 by sealing kit (optional).
- RH / LH application by rotatable bottom part.
- Grounding by grounding clip (optional).
- Also a 3-point cam can be pre-assembled.
- The quarter-turn can be clip-in as a completely pre-assembled unit.
- Tool-less installation.

Materials

- **Housing:** PA, black
- **Bottom:** zinc die, zinc plated

Remarks

Attention: H-dimension of the cam not less than 16mm

Please configure the quarter-turn with insert and cam.

By using additional extensions PS 3-136 this quarter-turn can also be applied for cutouts B and C.

1. rotatable bottom
2. sealing kit



Advantages

- For cutout PrA.
- Rectangular cutout guarantees a perfect alignment.
- IP65 according to DIN EN 60529.
- For IP65 according to DIN EN 60529 o-ring (200-1001.00-00000) for insert (optional).
- RH / LH application by rotatable bottom part.
- Grounding by grounding clip.
- Also a 3-point cam can be pre-assembled.
- The Quarter-turn can be snapped-in as a completely pre-assembled unit.
- Installation tool-less and vibration-proof.
- Blind installation in closed profiles.

Materials

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

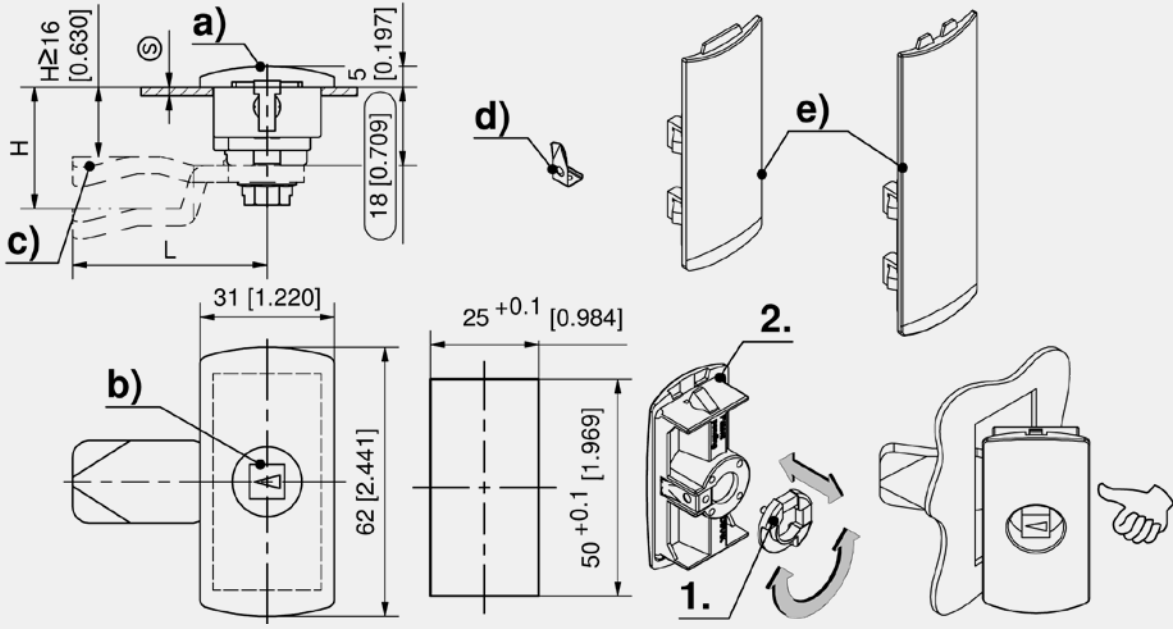
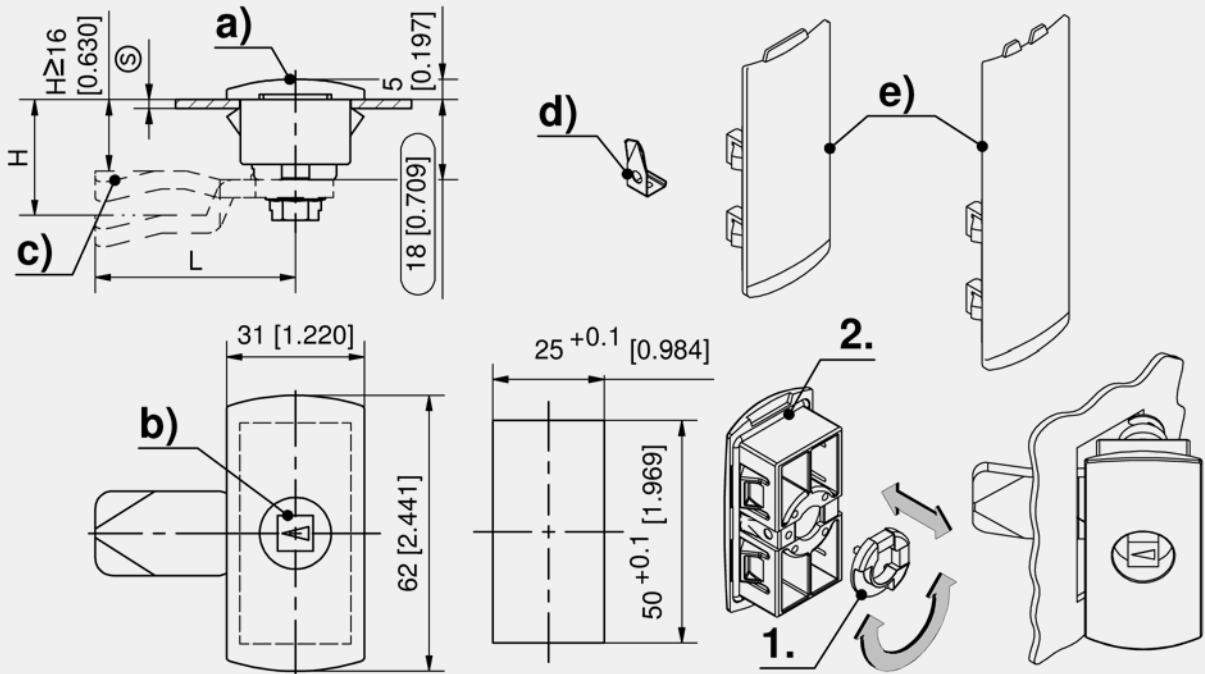
Remarks

Attention: H-dimension of the cam not less than 16mm (5/8).

Please configure the Quarter-turn with insert and cam.

With escutcheons, this quarter-turn can also be used for cutouts PrB and PrC (see product system 3-136).

1. rotatable bottom for RH/LH
2. o-ring



Quarter-Turn, PA

	Part Number	Clamping range (S)	Grounding type	Installation type	Delivery Unit
a)	408-9301.00-00015	0.8 - 1.5 mm	Grounding clip	tool-less	10 pcs.
a)	408-9301.00-00020	1.3 - 2.0 mm	Grounding clip	tool-less	10 pcs.
a)	408-9301.00-00025	1.8 - 2.5 mm	Grounding clip	tool-less	10 pcs.
a)	408-9301.00-00030	2.3 - 3.0 mm	Grounding clip	tool-less	10 pcs.
a)	408-9301.00-00035	2.8 - 3.5 mm	Grounding clip	tool-less	10 pcs.
a)	408-9302.00-00015	0.8 - 1.5 mm		tool-less	10 pcs.
a)	408-9302.00-00020	1.3 - 2.0 mm		tool-less	10 pcs.
a)	408-9302.00-00025	1.8 - 2.5 mm		tool-less	10 pcs.
a)	408-9302.00-00030	2.3 - 3.0 mm		tool-less	10 pcs.
a)	408-9302.00-00035	2.8 - 3.5 mm		tool-less	10 pcs.

	Accessories
b)	150 1-101 Inserts Pr20.1
c)	154, 292 1-102 Cams L35/45 Steel
c)	161 1-262 Cams variable
c)	175, 295 2-151 2-, 3- and 4-Point Cam Adapter
768	6-100 Wrench
766	6-101 Universal key

	Function extension
e)	321 3-136 Cutout-Cover PrA / PrB / PrC
2.)	200-1001.00-00000 O-ring 12 x 2.0mm

Quarter-Turn housing with rotatable bottom and o-ring

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

	Accessories
b)	150 1-101 Inserts Pr20.1
c)	154, 292 1-102 Cams L35/45 Steel
e)	321 3-136 Cutout-Cover PrA / PrB / PrC
768	6-100 Wrench
766	6-101 Universal key

	Function extension
d)	200-1104.93-00000 Grounding clip
2.)	209-9005.00-00000 Sealing kit IP65 for Quarter-Turns PrA 1-099

	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





Advantages

- For cutout type A 50 x 25.
- IP65 according to DIN EN 60529 by sealing kit (optional).
- RH/ LH application.
- Grounding by grounding clip (optional).
- Pre-assembled deliverable on request.
- The quarter-turn can be installed pre-assembled.
- Pre-assembly of 3-point cam also possible.

Materials

- **Bearing plate:** zinc die, untreated
- **Escutcheons:** PA, black
- **Self tapping screw:** steel, zinc plated

Remarks

Height 16mm.

Min. A dimension = 8mm.

Escutcheon b2) only in use with
insert double bit.

For door-thicknesses greater than 3.5mm longer screws for the installation are required.

Please configure the quarter-turn
with insert and cam.



Advantages

- Dish handle for 2- or 3-point cam.
- IP65 according to DIN EN 60529.
- **Properties of material**
AISI 316 Ti: The titanium increases the corrosion resistance particularly the intercrystalline corrosion at the grain boundaries.

Materials

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

Remarks

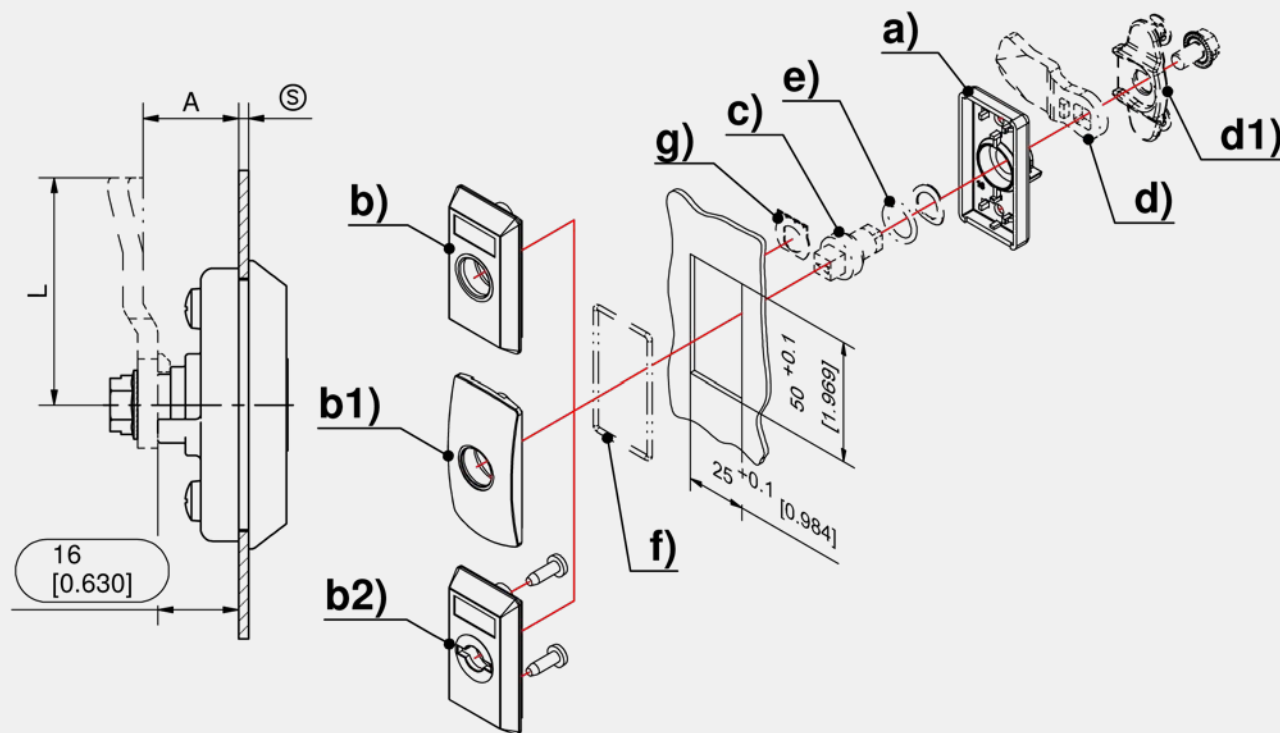
(S) Door-thickness 2mm

For flush area mounting please order additionally:

adapter plate and flat external seal.

Please configure the quarter-turn with insert and cam.

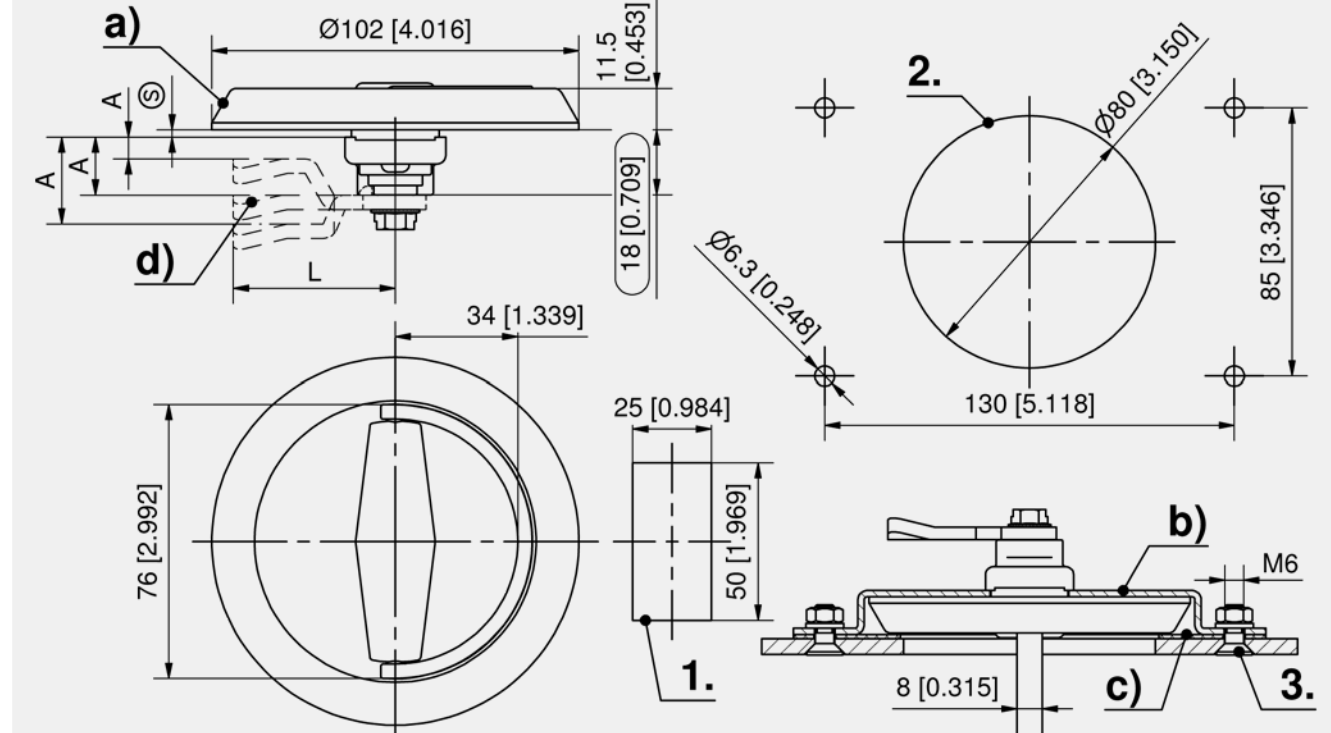
1. cutout dish handle surface mounted
2. cutout flush area
3. e.g. countersunk screw M6



Bearing plate and escutcheons

	Part Number	Name	Material	Surface	Door-thickness (S)	Installation type	Delivery Unit
a)	207-2707.00-00016	Bearing plate 16mm	zinc die	untreated		screw-on	10 pcs.
b)	208-9306.00-00000	Escutcheon PrA	PA	black	1.3 - 3.5 mm	screw-on	1 pc.
b1)	208-9307.00-00000	Escutcheon PrA SOFTLINE	PA	black	1.3 - 3.5 mm	screw-on	1 pc.
b2)	208-9308.00-00000	Escutcheon for double bit PrA	PA	black	1.3 - 3.5 mm	screw-on	1 pc.

Accessories		Function extension	
c)	150 1-101 Inserts Pr20.1	e)- f)	209-9007.00-00000 Sealing kit IP65 for Quarter-Turns PrA
d)	154, 292 1-102 Cams L35/45 Steel	g)	302, 366 3-011 Grounding Clip Stainless Steel
d1)	176, 296 2-151.04 3-Point Cam Adapter		
	768 6-100 Wrench		
	766 6-101 Universal key		



Dish handle

	Part Number	Installation type	Delivery Unit
a)	208-9638.00-00000	screw-on	1 pc.

Accessories for dish handle

	Part Number	Name	Fastening type	Delivery Unit
b)	207-3605.90-00000	Adapter plate	screw-on	1 pc.
c)	200-0905.00-00000	Flat external seal		1 pc.

	Accessories
d) 156	7-105 Cams L35/45 Stainless Steel



Quarter-Turn - Firefighting Stainless Steel

[7-331]



Advantages

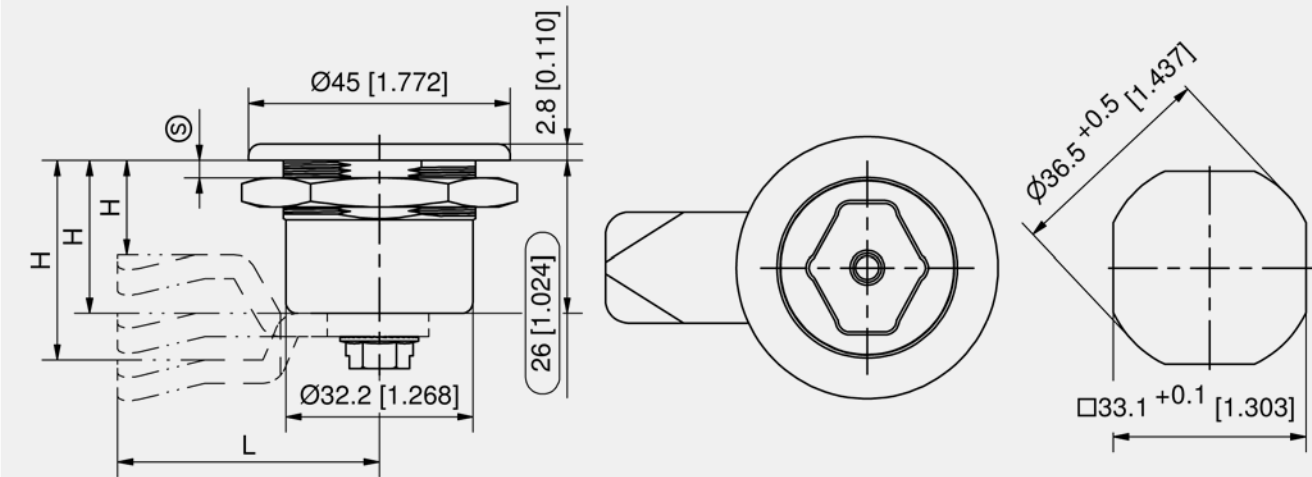
- Both the triangular adapter on the fireman's axe to DIN 14924 and the hydrant spanner A or B to DIN 3223 can be used as a key.
- Properties of material**
AISI 316 Ti: the titanium increases the corrosion resistance particularly the intercrystalline corrosion at the grain boundaries.

Materials

- Housing, insert, spring washer and nut:** AISI 316
- Serrated screw:** AISI 304

Remarks

(S) Door-thickness max. 5mm
Please configure the quarter-turn with a cam.
Price and delivery time on request.



Quarter-Turn

Part Number	Housing length	Installation type	Delivery Unit
290-9401.00-00000	26 mm	screw-on	1 pc.

+	Accessories
156	200-0506.00-00000 Cam
156	200-0508.00-00000 Cam
156	200-0510.00-00000 Cam
156	200-0514.00-00000 Cam
156	200-0516.00-00000 Cam
156	200-0518.00-00000 Cam
156	200-0520.00-00000 Cam
156	200-0522.00-00000 Cam
156	200-0524.00-00000 Cam
156	200-0526.00-00000 Cam
156	200-0528.00-00000 Cam
156	200-0532.00-00000 Cam

+	Accessories
156	200-0550.00-00000 Cam
+	Assembly options
	200-0001.00-00000 Assembling cam without o-ring

Hygiene Compression Latch
Pr20.1 SW13 Stainless Steel

[7-081.04HD]



Advantages

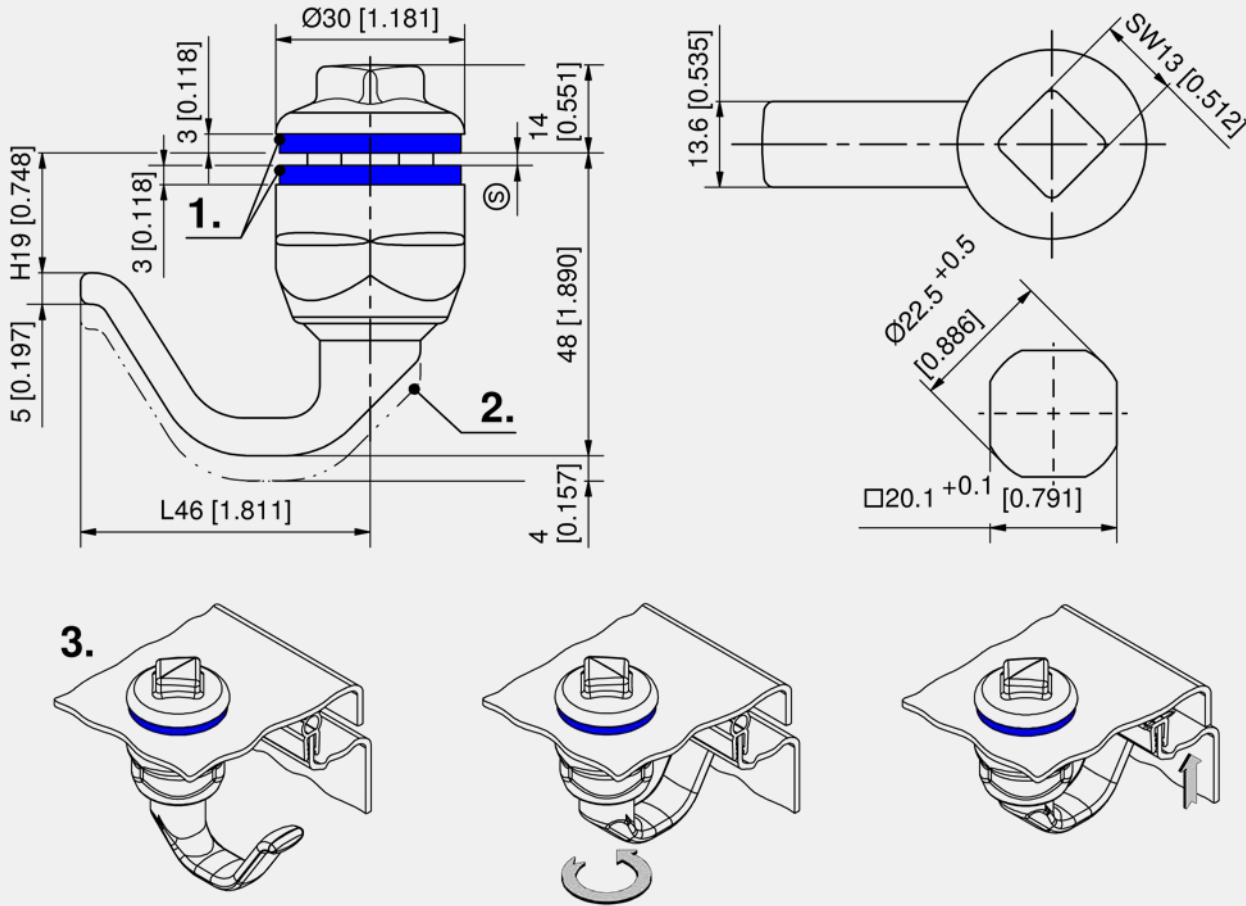
- Compression 4mm.
- The complete quarter-turn is certified and tested according to: GS-NV 2:2013/06 Principles for the testing of food processing machines GS-NV 6:2013/06 Principles for the testing of hygiene requirements. Machine Ordinance: DIN EN 1672-2:2009.
- DGUV Test Certificate.
- Vibration-proof according to DIN EN 61373.
- IP 65/67/69K according to DIN EN 60529 / DIN 40050.
- RH and LH version.
- The compression latch is delivered with assembled cam and can be screwed into the cutout completely pre-assembled.

Materials

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

Remarks

(S) Door-thickness max. 4mm
1. silicone seal
2. compression 4mm
3. operation



Quarter-Turn with SW13 insert

Part Number	Version	Installation type	Delivery Unit
100-9504.00-00000	RH version	screw-on	1 pc.
100-9505.00-00000	LH version	screw-on	1 pc.

+	Accessories
767	204-0140.39-05010 Wrench for SW13





Advantages

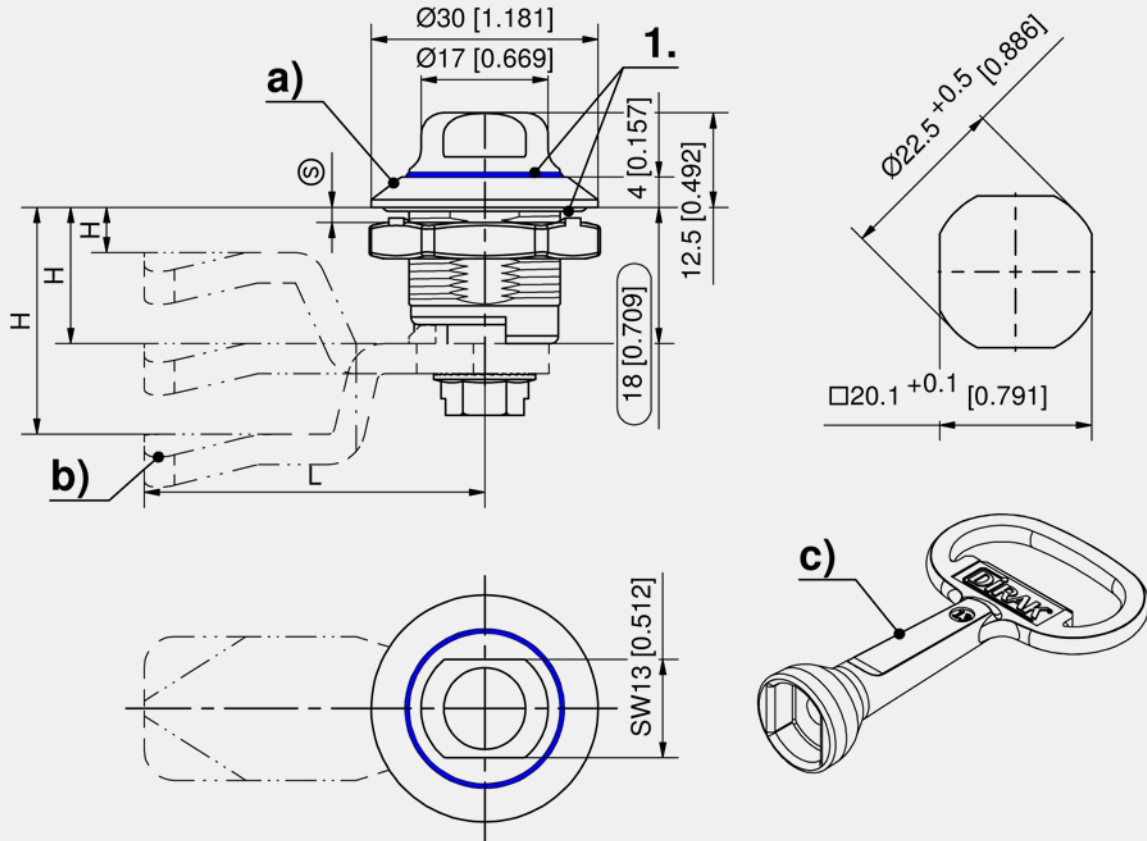
- Meets hygiene requirements acc. to DIN EN ISO 14159 and DIN EN 1672-2.
- Easy to clean.
- O-rings (FDA conform) prevent dirt deposits and penetration of liquids.
- IP65 / IP67 / 69K according to DIN EN 60529 / DIN 40050.
- RH / LH application.
- Grounding by grounding nut.

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

- (S) Door-thickness max. 8mm
- Please configure the quarter-turn with a cam.
- 1. o-rings



Quarter-Turn

	Part Number	Version	Insert	Installation type	Delivery Unit
a)	100-9508.00-00000	red o-ring	SW13	screw-on	1 pc.
a)	100-9508.00-00001	blue o-ring	SW13	screw-on	1 pc.

+	Accessories
b)	156 7-105 Cams L35/45 Stainless Steel
c)	767 204-0140.39-05010 Wrench for SW13

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



Advantages

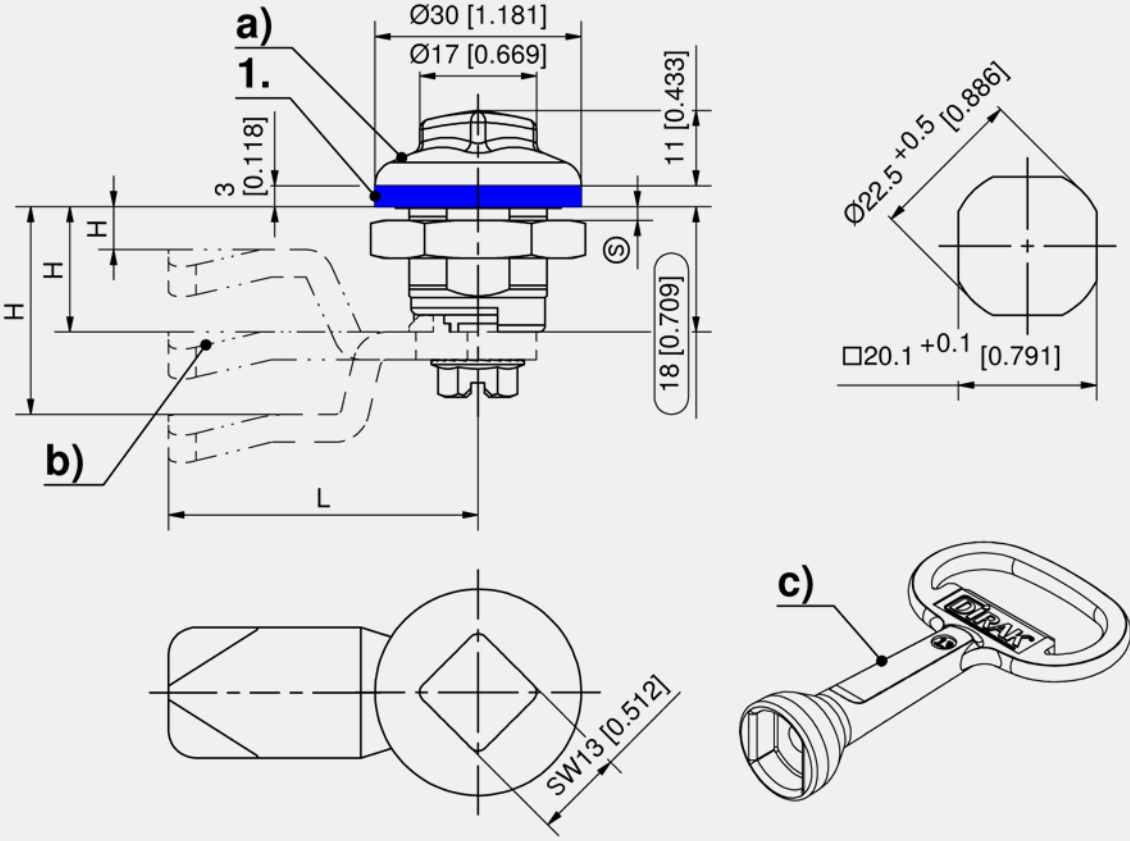
- Tested according to: GS-NV 2:2013/06 Principles for the testing of food processing machines, GS-NV 6:2013/06 Principles for the testing of hygiene requirements Machine Ordinance: DIN EN 1672-2:2009.
- DGV Test Certificate.
- Dirt resistant and easy to clean by means of mirror-polish surface and transition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

Materials

- **Housing, insert and grounding nut:** AISI 316
- **Serrated screw:** AISI 304
- **Seal:** silicone, blue, FDA conform (Food and Drug Administration)

Remarks

- (S) Door-thickness max. 8mm.
- Please configure the quarter-turn with a cam.
- 1. silicone seal



Hygiene Quarter-Turn

	Part Number	Insert	Installation type	Delivery Unit
a)	100-9503.00-00000	SW13	screw-on	1 pc.

+	Accessories
b)	156 7-105 Cams L35/45 Stainless Steel
c)	767 204-0140.39-05010 Wrench for SW13



Quarter-Turn with T-Handle and Cylinder Pr20.1 L18 Stainless Steel

[7-081.02]



Advantages

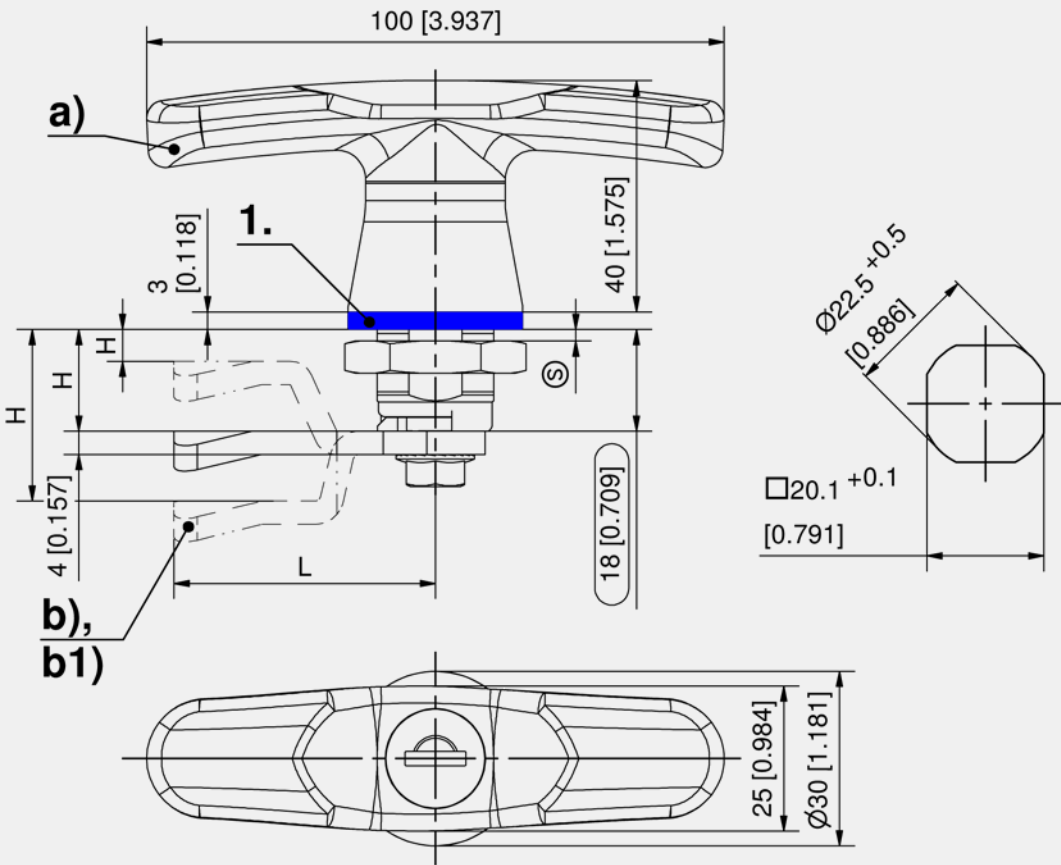
- Suitable for the food sector and hygienic areas.
- Meets hygiene requirements acc. to DIN EN ISO 14159 and DIN EN 1672-2.
- Polished surface.
- Lockable with cylinder barrel.
- Seal FDA conform.
- IP65/67 according to DIN 60529.
- RH / LH application.
- Grounding by grounding nut.
- Cam can be delivered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

Materials

- **Housing, handle and grounding nut:** AISI 316
- **Serrated screw:** AISI 304
- **Seal:** silicone, blue, FDA conform (Food and Drug Administration)

Remarks

- (S) Door-thickness max. 8mm
- Please configure the quarter-turn with a cam.
- 1. silicone seal



Quarter-Turn with T-handle

	Part Number	Latching type	Installation type	Delivery Unit
a)	100-9313.00-01333	keyed alike DIRAK 1333	screw-on	1 pc.
a)	100-9313.00-99999	keyed different	screw-on	1 pc.

	Accessories
b)	156 7-105 Cams L35/45 Stainless Steel
b1)	159 7-105.01 Cams L35/45 Stainless Steel

Hygiene Quarter-Turn with T-Handle Pr20.1 L18 Stainless Steel

[7-081.02HD]



Advantages

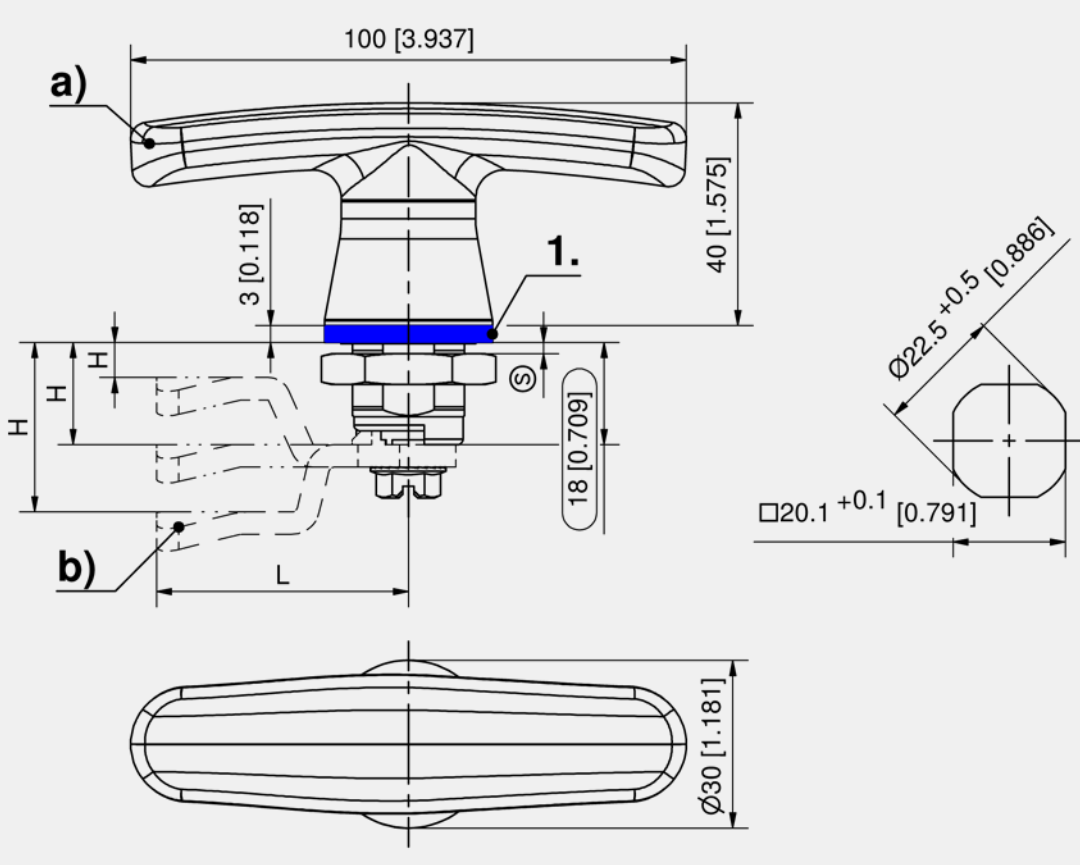
- Tested according to: GS-NV 2:2013/06 Principles for the testing of food processing machines, GS-NV 6:2013/06 Principles for the testing of hygiene requirements. Machine Ordinance: DIN EN 1672-2:2009.
- DGV Test Certificate.
- Dirt resistant and easy to clean by means of polished surface and transition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

Materials

- **Housing, handle and grounding nut:** AISI 316
- **Serrated screw:** AISI 304
- **Seal:** silicone, blue, FDA conform (Food and Drug Administration)

Remarks

- (S) Door-thickness max. 8mm
- Please configure the quarter-turn with a cam.
- 1. silicone seal



Hygiene Quarter-Turn with T-handle

	Part Number	Housing length	Installation type	Delivery Unit
a)	100-9313.00-00000	18 mm	screw-on	1 pc.

	Accessories
b)	156 7-105 Cams L35/45 Stainless Steel



Quarter-Turn with L-Handle and Barrel
Pr20.1 L18 Stainless Steel

[7-081.03]



Advantages

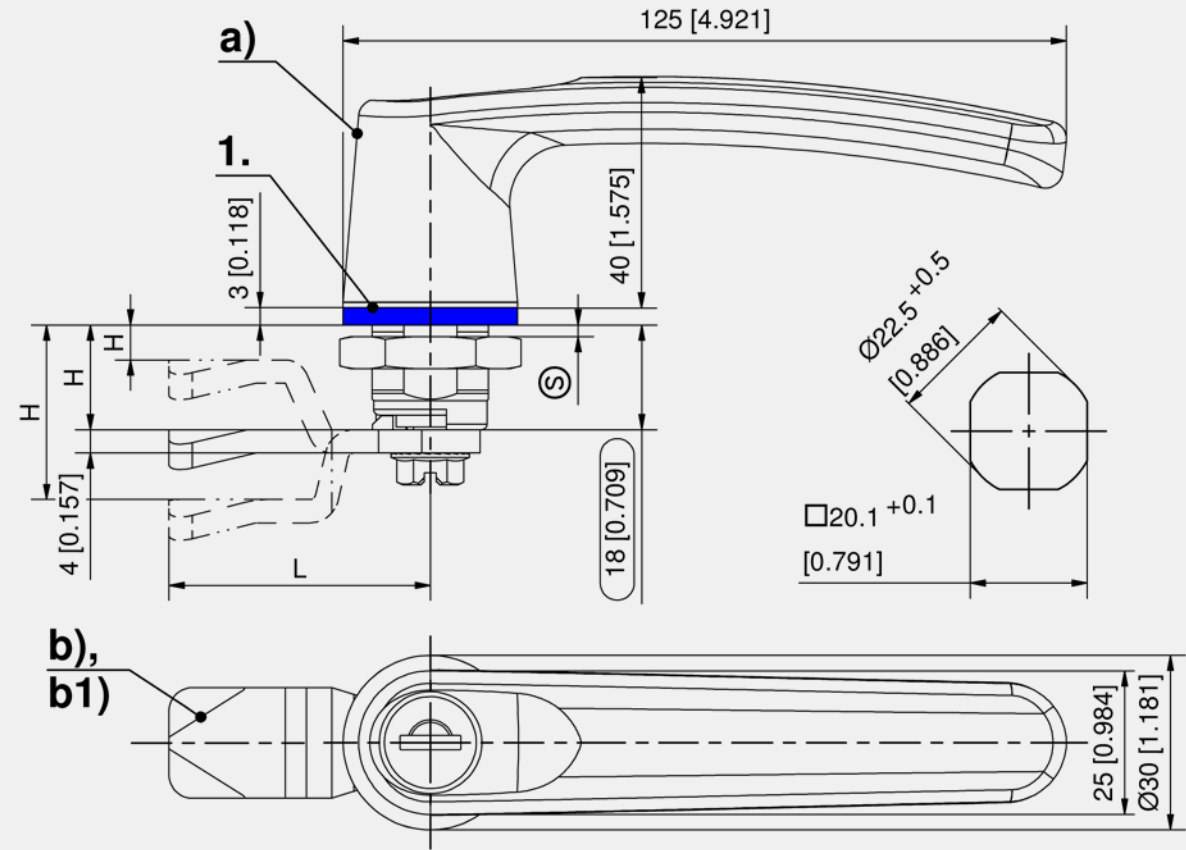
- Suitable for the food sector and hygienic areas.
- Meets Hygiene requirements acc. to DIN EN ISO 14159 and DIN EN 1672-2.
- Polished surface.
- Seal FDA conform.
- Lockable with cylinder barrel.
- IP 65/67 according to DIN EN 60529.
- RH / LH application.
- Grounding by grounding nut.
- Cam can be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

Materials

- **Housing, handle and grounding nut:** AISI 316
- **Serrated screw:** AISI 304
- **Seal:** silicone, blue, FDA conform (Food and Drug Administration)

Remarks

- (S) Door-thickness max. 8mm
- Please configure the quarter-turn with a cam.
- 1. silicone seal



Hygiene Quarter-Turn with L-Handle
Pr20.1 L18 Stainless Steel

[7-081.03HD]



Advantages

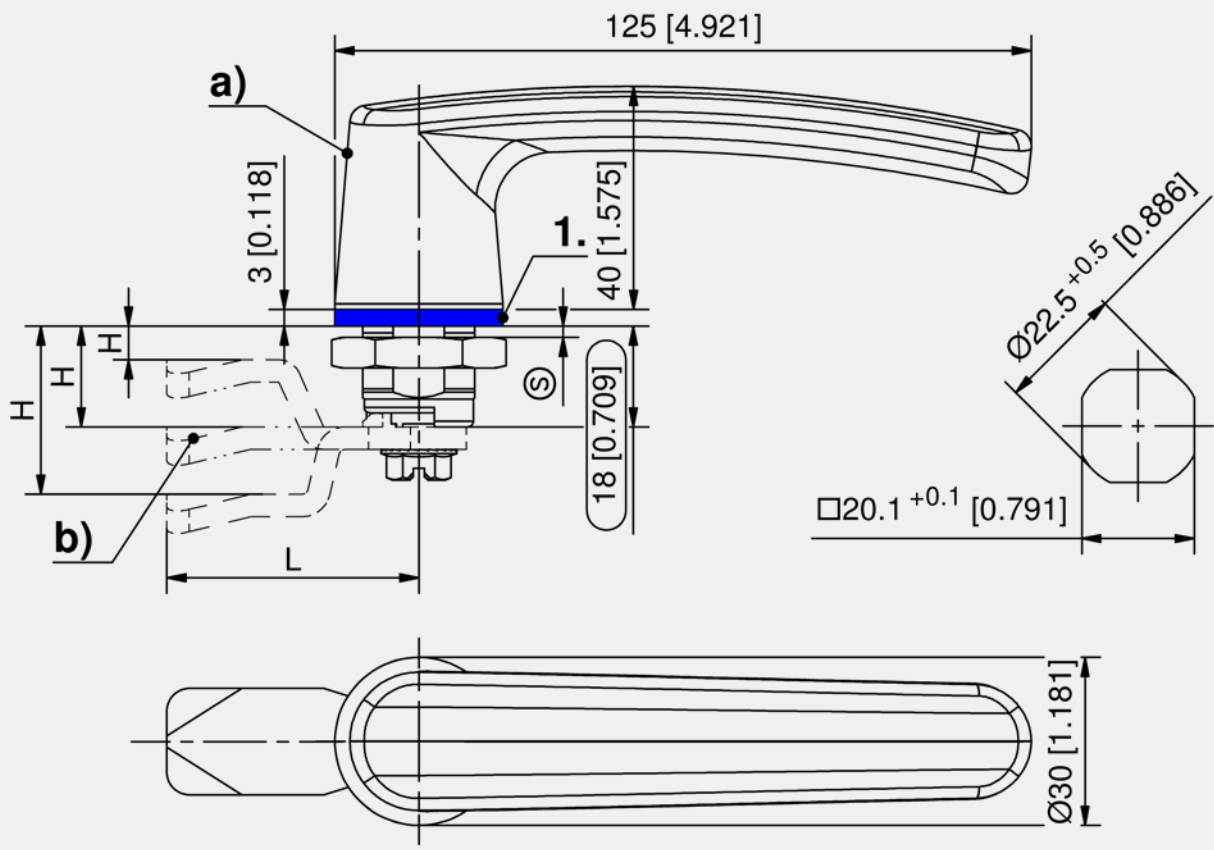
- Tested according to: GS-NV 2:2013/06 Principles for the testing of food processing machines, GS-NV 6:2013/06 Principles for the testing of hygiene requirements. Machine Ordinance: DIN EN 1672-2:2009.
- DGUV Test Certificate.
- Dirt resistant and easy to clean by means of polished surface and transition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

Materials

- **Housing, handle and grounding nut:** AISI 316
- **Serrated screw:** AISI 304
- **Seal:** silicone, blue, FDA conform (Food and Drug Administration)

Remarks

- (S) Door-thickness max. 8mm
- Please configure the quarter-turn with a cam.
- 1. silicone seal



Quarter-Turn with L-handle

	Part Number	Latching type	Installation type	Delivery Unit
a)	100-9416.00-01333	keyed alike DIRAK 1333	screw-on	1 pc.
a)	100-9416.00-99999	keyed different	screw-on	1 pc.

	Accessories
b)	156 7-105 Cams L35/45 Stainless Steel
b1)	159 7-105.01 Cams L35/45 Stainless Steel

Hygiene Quarter-Turn with L-handle

	Part Number	Grounding type	Installation type	Delivery Unit
a)	100-9416.00-00000	Grounding nut	screw-on	1 pc.

	Accessories
b)	156 7-105 Cams L35/45 Stainless Steel



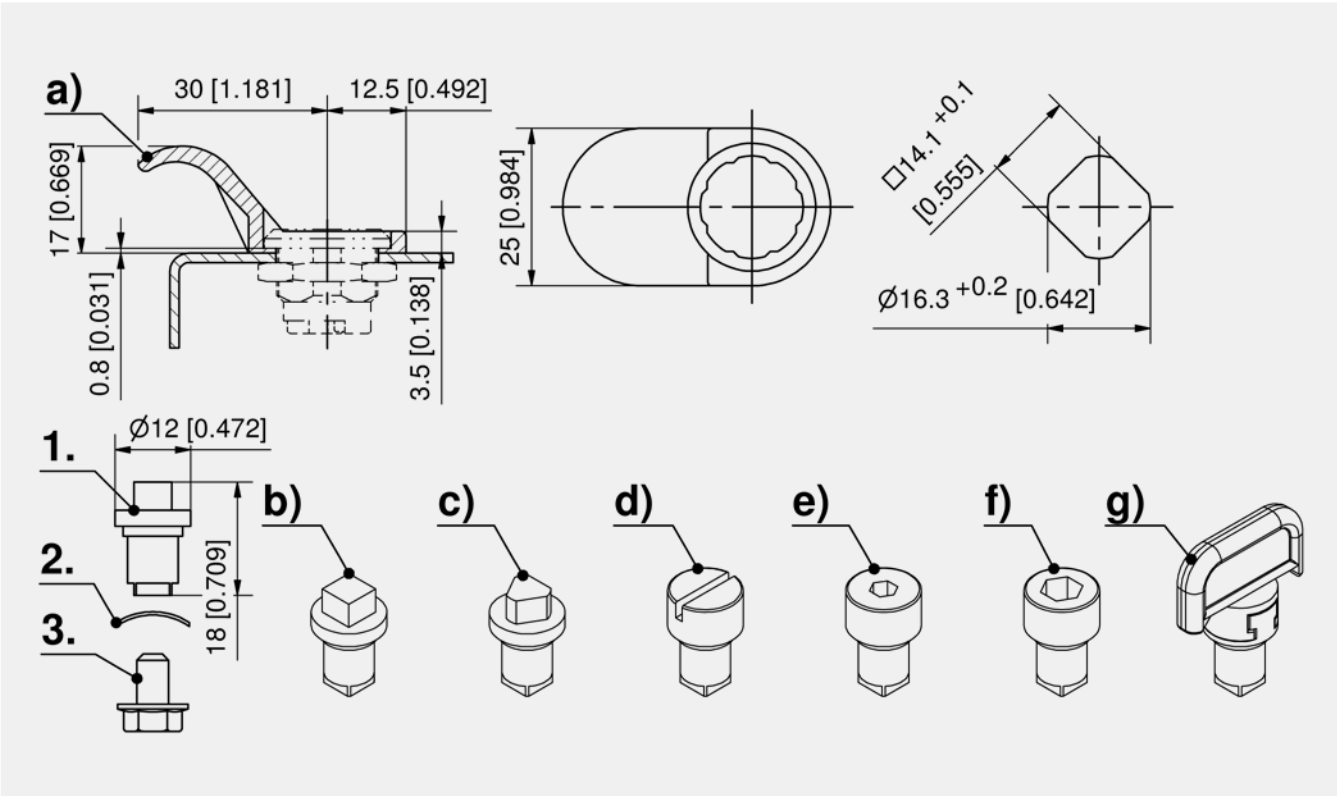


Advantages

- 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	Delivery Unit
a)	220-1301.00-00000	Finger pull	PA	black	10 pcs.
b)	220-9102.00-00000	Insert Square 6mm	zinc die	chrome plated	10 pcs.
b)	220-9105.00-00000	Insert Square 6mm	zinc die	black	10 pcs.
c)	220-9101.00-00000	Insert Triangular 6.5mm	zinc die	chrome plated	10 pcs.
c)	220-9104.00-00000	Insert Triangular 6.5mm	zinc die	black	10 pcs.
d)	220-9103.00-00000	Insert Slotted 1.5mm	zinc die	chrome plated	10 pcs.
d)	220-9106.00-00000	Insert Slotted 1.5mm	zinc die	black	10 pcs.
e)	220-9118.00-00000	Insert Socket hex. SW 4mm (5/32")	zinc die	chrome plated	10 pcs.
e)	220-9119.00-00000	Insert Socket hex. SW 4mm (5/32")	zinc die	black	10 pcs.
f)	220-9107.00-00000	Insert Socket hex. SW 6mm	zinc die	chrome plated	10 pcs.
f)	220-9127.00-00000	Insert Socket hex. SW 6mm	PA	black	10 pcs.
g)	220-9117.00-00000	Wing Knob Insert	PA / zinc die core	black	10 pcs.



Advantages

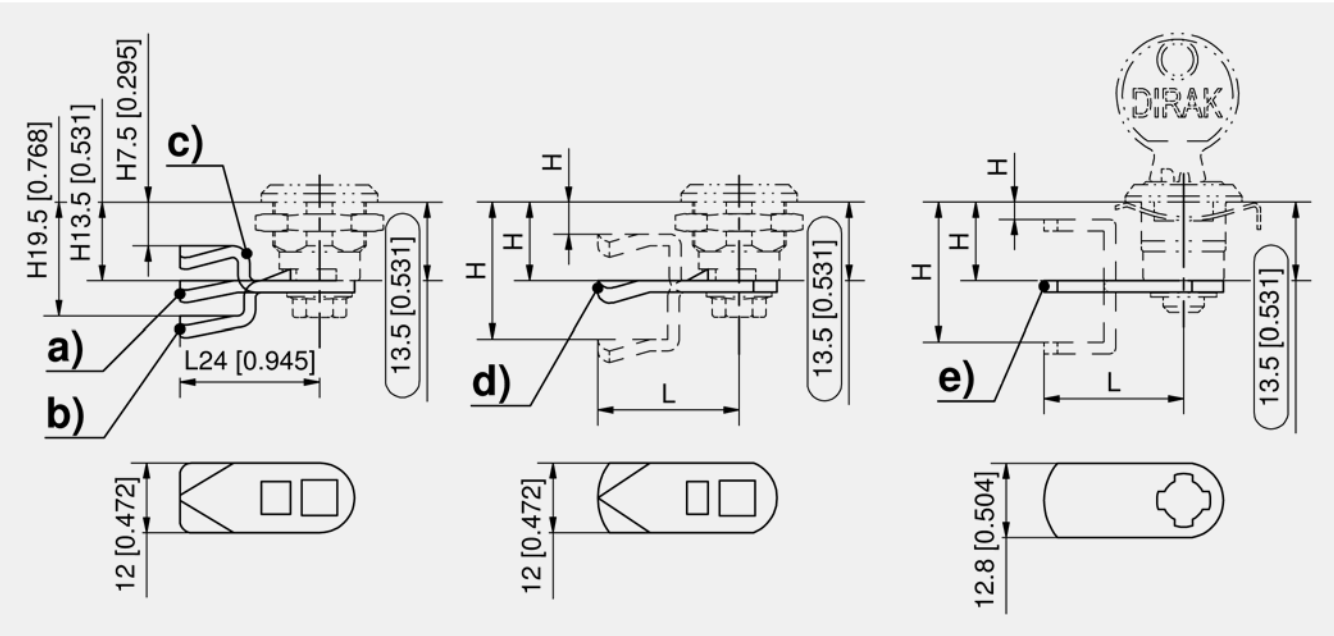
- Cams, L- and H-dimension fixed.
- Special cams, L- and H-dimension variable.
- Special cams with star connection, L- and H-dimension variable.

Materials

- Cams: steel, zinc plated

Remarks

- Please note: cams with star connection only for cylinder quarter-turns.
- 1. ramp 2mm
- 2. stop



Cam, L-and H-dimension variable

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





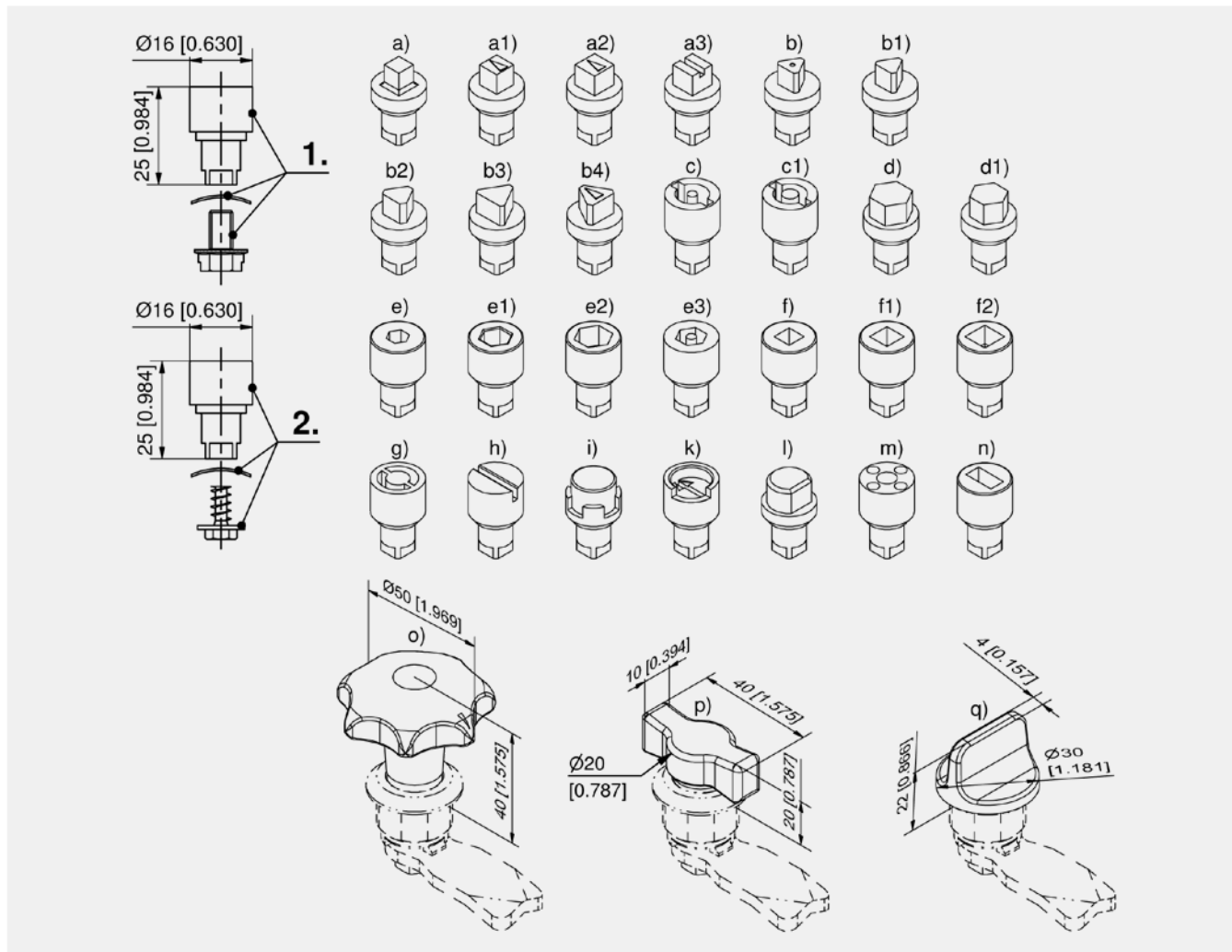
Advantages

- For quarter-turn cutout 20.1

Remarks

1. inserts zinc die, consisting of: insert, spring washer and self locking screw
2. inserts PA, consisting of: insert, spring washer and self-tapping screw

Suitable keys see product-system 6-100 and 6-101.



Insert, zinc die, matt chrome plated

	Part Number	Insert	Delivery Unit
a1)	200-9102.40-00000	Square 7mm	10 pcs.
a2)	200-9128.40-00000	Square 8mm	10 pcs.
b2)	200-9105.40-00000	Triangular 8mm	10 pcs.
c)	200-9131.40-00000	Double bit 3mm pin	10 pcs.
c1)	200-9132.40-00000	Double bit 5mm pin	10 pcs.



Insert, zinc die, chrome plated glossy

	Part Number	Insert	Indicator	Delivery Unit
a)	200-9101.00-00000	Square 6mm		10 pcs.
a1)	200-9102.00-00000	Square 7mm	Yes	10 pcs.
a2)	200-9103.00-00000	Square 8mm	Yes	10 pcs.
a3)	200-9111.00-00000	Square 8mm, slotted		10 pcs.
b)	200-9106.00-00000	Triangular 6,5mm CNOMO Type 1		10 pcs.
b1)	200-9104.00-00000	Triangular 7mm		10 pcs.
b2)	200-9105.00-00000	Triangular 8mm		10 pcs.
b3)	200-9147.00-00000	Triangular 9mm EDF		10 pcs.
b4)	100-9166.00-00000	Triangular 9mm	Yes	10 pcs.
c)	200-9107.00-00000	Double bit 3mm pin		10 pcs.
c1)	200-9108.00-00000	Double bit 5mm pin		10 pcs.
d)	200-9171.00-00000	Hex. SW 7/16"		10 pcs.
d1)	200-9185.00-00000	Hex. SW10		10 pcs.
e)	200-9142.00-00000	Socket hex. 6mm		10 pcs.
e1)	200-9196.00-00000	Socket hex. SW 8mm		10 pcs.
e2)	200-9112.00-00000	Socket hex. 10mm		10 pcs.
e3)	200-9172.00-00000	Socket hex. 5/16" pin 3mm		10 pcs.
f)	200-9166.00-00000	Square socket 6mm		10 pcs.
f1)	200-9167.00-00000	Square socket 7mm		10 pcs.
f2)	200-9168.00-00000	Square socket 8mm		10 pcs.
g)	200-9109.00-00000	Daimler Benz pin		10 pcs.
h)	200-9113.00-00000	Slotted 2x4mm		10 pcs.
i)	200-9110.00-00000	Crown type		10 pcs.
k)	200-9164.00-00000	Slotted recessed coinproof		10 pcs.
l)	200-9154.00-00000	Half-round czech		10 pcs.
m)	200-9170.00-00000	FIAT		10 pcs.
n)	200-9141.00-00000	GDF 10 x 5mm France		10 pcs.

Insert, zinc die, black

	Part Number	Insert	Indicator	Delivery Unit
a)	200-9127.00-00000	Square 6mm		10 pcs.
a1)	200-9116.00-00000	Square 7mm	Yes	10 pcs.
a2)	200-9128.00-00000	Square 8mm	Yes	10 pcs.
b1)	200-9129.00-00000	Triangular 7mm		10 pcs.
b2)	200-9130.00-00000	Triangular 8mm		10 pcs.
b3)	200-9148.00-00000	Triangular 9mm EDF		10 pcs.
b4)	100-9167.00-00000	Triangular 9mm	Yes	10 pcs.
c)	200-9131.00-00000	Double bit 3mm pin		10 pcs.
c1)	200-9132.00-00000	Double bit 5mm pin		10 pcs.
d)	100-9127.00-00000	Hex. SW 7/16"		10 pcs.
e1)	200-9197.00-00000	Socket hex. SW 8mm		10 pcs.
e3)	200-9178.00-00000	Socket hex. 5/16" pin 3mm		10 pcs.
g)	200-9133.00-00000	Daimler Benz pin		10 pcs.
h)	200-9143.00-00000	Slotted 2x4mm		10 pcs.
k)	200-9169.00-00000	Slotted recessed coinproof		10 pcs.
q)	100-9115.00-00000	Wing knob (only for housings Ø28)		10 pcs.

Insert, PA / zinc die comb. black

	Part Number	Insert	Delivery Unit
c)	200-9117.00-00000	Double bit 3mm pin	10 pcs.
c1)	200-9118.00-00000	Double bit 5mm pin	10 pcs.
h)	200-9126.00-00000	Slotted 2x4mm	10 pcs.
o)	200-9114.00-00000	Star knob	10 pcs.
p)	200-9115.00-00000	Wing knob	10 pcs.

Insert, PA black

	Part Number	Insert	Delivery Unit
a1)	200-9155.00-00000	Square 7mm	10 pcs.
a2)	200-9156.00-00000	Square 8mm	10 pcs.
b2)	200-9158.00-00000	Triangular 8mm	10 pcs.
c)	200-9159.00-00000	Double bit 3mm pin	10 pcs.
c1)	200-9160.00-00000	Double bit 5mm pin	10 pcs.
h)	200-9161.00-00000	Slotted 2x4mm	10 pcs.
k)	200-9186.00-00000	Slotted recessed coinproof	10 pcs.
l)	200-9184.00-00000	Half-round czech	10 pcs.
p)	200-9173.00-00000	Wing knob	10 pcs.

	Accessories
768	6-100 Wrench
766	6-101 Universal key





Advantages

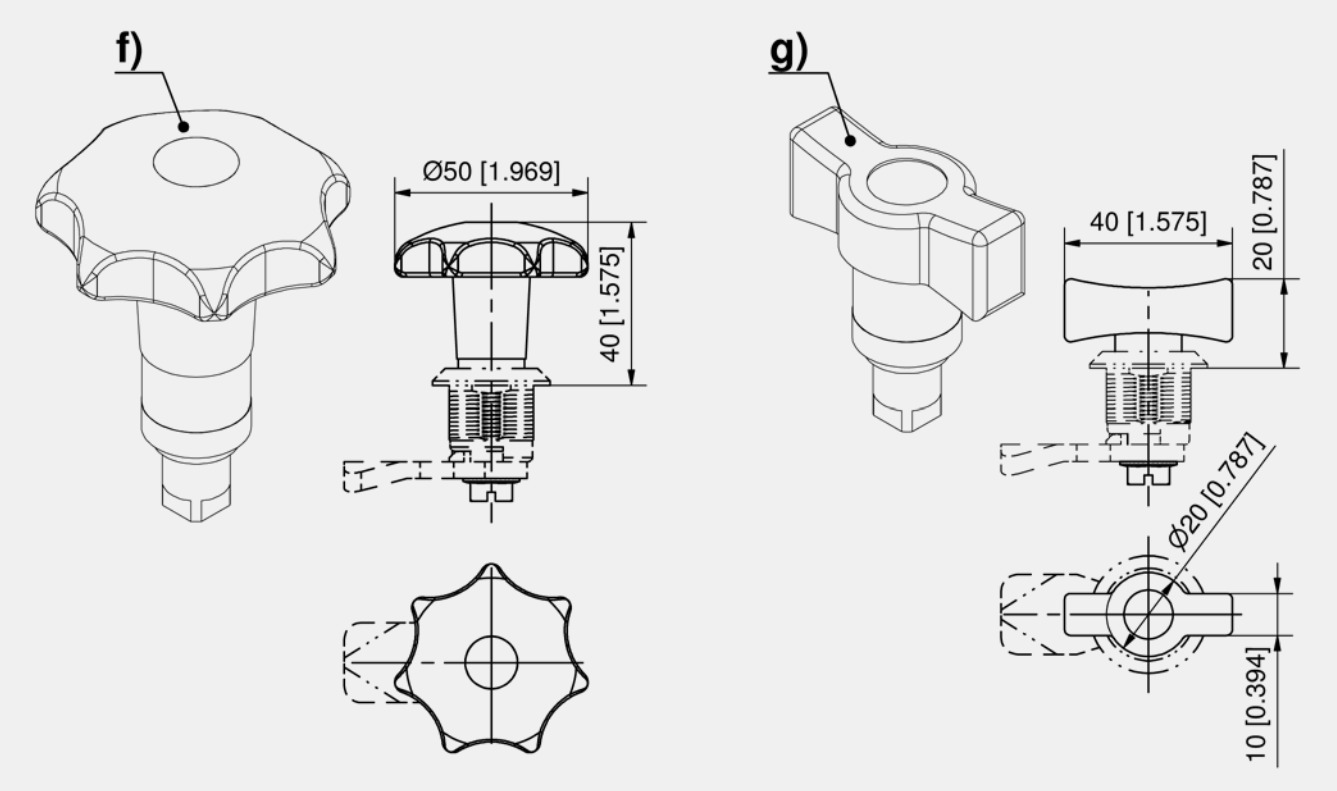
- Insert with screw, wave washer and o-ring.

Materials

- Inserts: AISI 316
- Inserts f)+g): PA with stainless steel insert

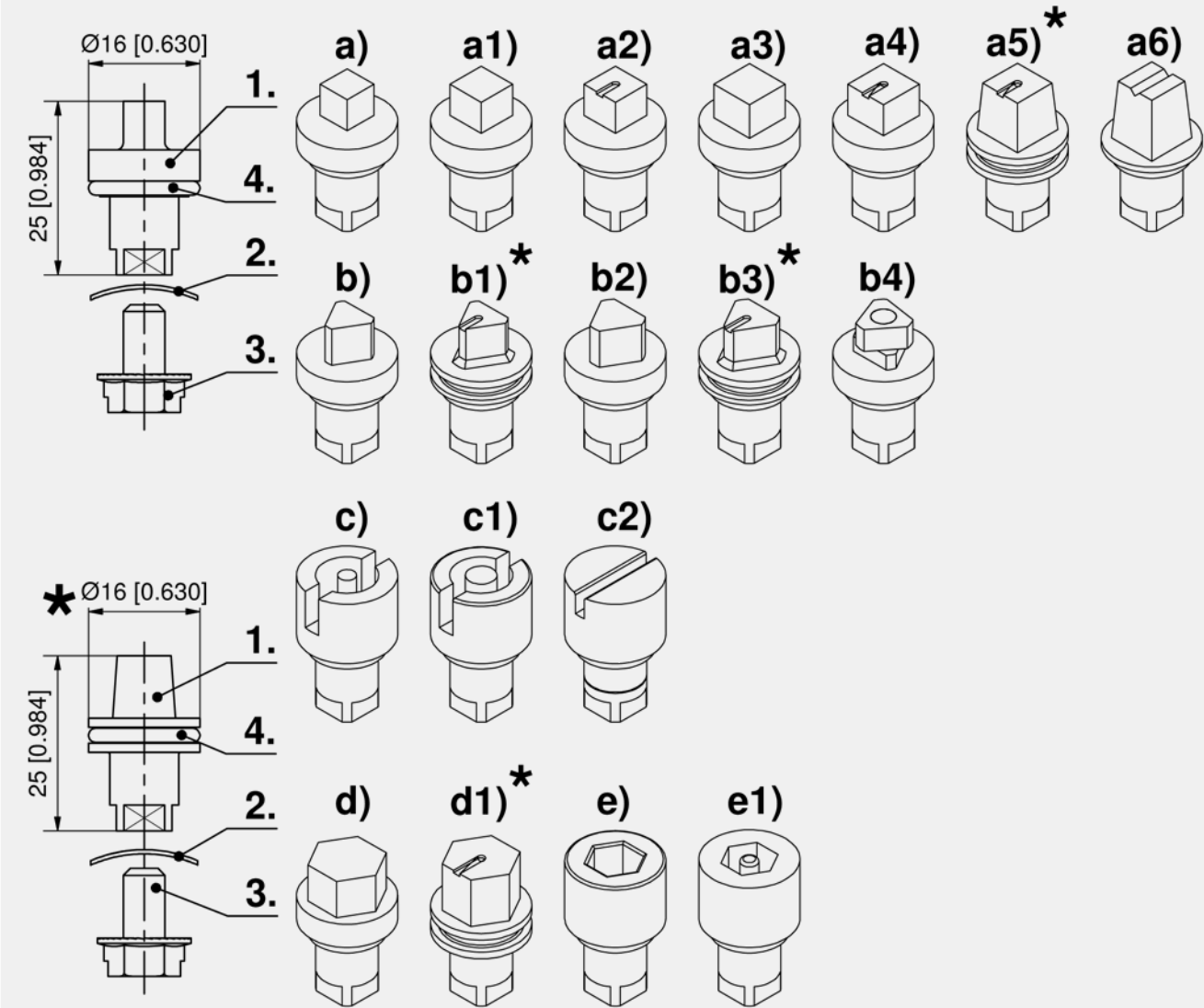
Remarks

1. insert
2. wave washer
3. screw
4. o-ring



Inserts

	Part Number	Insert	Indicator	Delivery Unit
a)	200-9146.00-00000	Square 6mm		1 pc.
a1)	200-9119.00-00000	Square 7mm		1 pc.
a2)	100-9160.00-00000	Square 7mm	Yes	1 pc.
a3)	200-9120.00-00000	Square 8mm		1 pc.
a4)	100-9161.00-00000	Square 8mm	Yes	1 pc.
a5)	100-9165.00-00000	Conical square 9mm	Yes	1 pc.
a6)	200-9189.00-00000	Conical square 9mm		1 pc.
b)	200-9121.00-00000	Triangular 7mm		1 pc.
b1)	100-9162.00-00000	Triangular 7mm	Yes	1 pc.
b2)	200-9122.00-00000	Triangular 8mm		1 pc.
b3)	100-9163.00-00000	Triangular 8mm	Yes	1 pc.
b4)	100-9168.00-00000	Security insert with free rotating 8mm triangular front part		1 pc.
c)	200-9123.00-00000	Double bit 3mm pin		1 pc.
c1)	200-9124.00-00000	Double bit 5mm pin		1 pc.
c2)	200-9151.00-00000	Slotted 2x4mm		1 pc.
d)	200-9192.00-00000	Hex. 7/16"		1 pc.
d1)	100-9164.00-00000	Hex. SW 11	Yes	1 pc.
e)	200-9195.00-00000	Socket hex. 8mm (5/16")		1 pc.
e1)	100-9118.00-00000	Socket hex. 8mm (5/16")		1 pc.
f)	200-9125.00-00000	Star knob		1 pc.
g)	200-9179.00-00000	Wing knob		1 pc.





Advantages

- Cams with ramp and stop with 35mm and 45mm length for 1-point locking.
- 3-Point cam for 3-point locking.
- Rod control for 2-point locking.

Materials

- **Cams:** steel, zinc plated

Remarks

1. ramp 3mm
2. stroke 18mm at 90° rotation
3. c-clips (are included)

Cams L45 and 3-point cams with marking **e** are supplied in 2 parts.

Slide shoe for cams 35 and 45mm, see product system 1-103.

Cams, L35, H-dimensions

	Part Number	GI12	GI18	GI20	GI22	GI30	GI32	GI36	GI40	GI42	GI46	GI50	GI56	GI60	GI66	Delivery Unit
b)	200-0606.00-00000		6 mm	8 mm	10 mm	18 mm	20 mm	24 mm	28 mm	30 mm	34 mm	38 mm	44 mm	48 mm	54 mm	10 pcs.
b)	200-0608.00-00000		8 mm	10 mm	12 mm	20 mm	22 mm	26 mm	30 mm	32 mm	36 mm	40 mm	46 mm	50 mm	56 mm	10 pcs.
b)	200-0610.00-00000		10 mm	12 mm	14 mm	22 mm	24 mm	28 mm	32 mm	34 mm	38 mm	42 mm	48 mm	52 mm	58 mm	10 pcs.
b)	200-0613.00-00000		13 mm	15 mm	17 mm	25 mm	27 mm	31 mm	35 mm	37 mm	41 mm	45 mm	51 mm	55 mm	61 mm	10 pcs.
b)	200-0614.00-00000	8 mm	14 mm	16 mm	18 mm	26 mm	28 mm	32 mm	36 mm	38 mm	42 mm	46 mm	52 mm	56 mm	62 mm	10 pcs.
b)	200-0616.00-00000	10 mm	16 mm	18 mm	20 mm	28 mm	30 mm	34 mm	38 mm	40 mm	44 mm	48 mm	54 mm	58 mm	64 mm	10 pcs.
b)	200-0618.00-00000	12 mm	18 mm	20 mm	22 mm	30 mm	32 mm	36 mm	40 mm	42 mm	46 mm	50 mm	56 mm	60 mm	66 mm	10 pcs.
b)	200-0620.00-00000	14 mm	20 mm	22 mm	24 mm	32 mm	34 mm	38 mm	42 mm	44 mm	48 mm	52 mm	58 mm	62 mm	68 mm	10 pcs.
b)	200-0622.00-00000	16 mm	22 mm	24 mm	26 mm	34 mm	36 mm	40 mm	44 mm	46 mm	50 mm	54 mm	60 mm	64 mm	70 mm	10 pcs.
b)	200-0624.00-00000	18 mm	24 mm	26 mm	28 mm	36 mm	38 mm	42 mm	46 mm	48 mm	52 mm	56 mm	62 mm	66 mm	72 mm	10 pcs.
b)	200-0625.00-00000	19 mm	25 mm	27 mm	29 mm	37 mm	39 mm	43 mm	47 mm	49 mm	53 mm	57 mm	63 mm	67 mm	73 mm	10 pcs.
b)	200-0626.00-00000	20 mm	26 mm	28 mm	30 mm	38 mm	40 mm	44 mm	48 mm	50 mm	54 mm	58 mm	64 mm	68 mm	74 mm	10 pcs.
a)	200-0628.00-00000	22 mm	28 mm	30 mm	32 mm	40 mm	42 mm	46 mm	50 mm	52 mm	56 mm	60 mm	66 mm	70 mm	76 mm	10 pcs.
b)	200-0630.00-00000	24 mm	30 mm	32 mm	34 mm	42 mm	44 mm	48 mm	52 mm	54 mm	58 mm	62 mm	68 mm	72 mm	78 mm	10 pcs.
b)	200-0635.00-00000	29 mm	35 mm	37 mm	39 mm	47 mm	49 mm	53 mm	57 mm	59 mm	63 mm	67 mm	73 mm	77 mm	83 mm	10 pcs.
a)	200-0638.00-00000	32 mm	38 mm	40 mm	42 mm	50 mm	52 mm	56 mm	60 mm	62 mm	66 mm	70 mm	76 mm	80 mm	86 mm	10 pcs.
b)	200-0640.00-00000	34 mm	40 mm	42 mm	44 mm	52 mm	54 mm	58 mm	62 mm	64 mm	68 mm	72 mm	78 mm	82 mm	88 mm	10 pcs.
b)	200-0642.00-00000	36 mm	42 mm	44 mm	46 mm	54 mm	56 mm	60 mm	64 mm	66 mm	70 mm	74 mm	80 mm	84 mm	90 mm	10 pcs.
b)	200-0644.00-00000	38 mm	44 mm	46 mm	48 mm	56 mm	58 mm	62 mm	66 mm	68 mm	72 mm	76 mm	82 mm	86 mm	92 mm	10 pcs.

3-point cams, H-dimensions

	Part Number	GI12	GI18	GI20	GI22	GI30	GI32	GI36	GI40	GI42	GI46	GI50	GI56	GI60	GI66	Delivery Unit
c)	200-9504.00-00000		4 mm	6 mm	8 mm	16 mm	18 mm	22 mm	26 mm	28 mm	32 mm	36 mm	42 mm	46 mm	52 mm	1 pc.
c)	200-9506.00-00000		6 mm	8 mm	10 mm	18 mm	20 mm	24 mm	28 mm	30 mm	34 mm	38 mm	44 mm	48 mm	54 mm	1 pc.
c)	200-9508.00-00000		8 mm	10 mm	12 mm	20 mm	22 mm	26 mm	30 mm	32 mm	36 mm	40 mm	46 mm	50 mm	56 mm	1 pc.
c)	200-9510.00-00000		10 mm	12 mm	14 mm	22 mm	24 mm	28 mm	32 mm	34 mm	38 mm	42 mm	48 mm	52 mm	58 mm	1 pc.
c)	200-9513.00-00000	7 mm	13 mm	15 mm	17 mm	25 mm	27 mm	31 mm	35 mm	37 mm	41 mm	45 mm	51 mm	55 mm	61 mm	1 pc.
c)	200-9514.00-00000	8 mm	14 mm	16 mm	18 mm	26 mm	28 mm	32 mm	36 mm	38 mm	42 mm	46 mm	52 mm	56 mm	62 mm	1 pc.
c)	200-9516.00-00000	10 mm	16 mm	18 mm	20 mm	28 mm	30 mm	34 mm	38 mm	40 mm	44 mm	48 mm	54 mm	58 mm	64 mm	1 pc.
c)	200-9518.00-00000	12 mm	18 mm	20 mm	22 mm	30 mm	32 mm	36 mm	40 mm	42 mm	46 mm	50 mm	56 mm	60 mm	66 mm	1 pc.
c)	200-9520.00-00000	14 mm	20 mm	22 mm	24 mm	32 mm	34 mm	38 mm	42 mm	44 mm	48 mm	52 mm	58 mm	62 mm	68 mm	1 pc.
c)	200-9522.00-00000	16 mm	22 mm	24 mm	26 mm	34 mm	36 mm	40 mm	44 mm	46 mm	50 mm	54 mm	60 mm	64 mm	70 mm	1 pc.
c)	200-9524.00-00000	18 mm	24 mm	26 mm	28 mm	36 mm	38 mm	42 mm	46 mm	48 mm	52 mm	56 mm	62 mm	66 mm	72 mm	1 pc.
c)	200-9525.00-00000	19 mm	25 mm	27 mm	29 mm	37 mm	39 mm	43 mm	47 mm	49 mm	53 mm	57 mm	63 mm	67 mm	73 mm	1 pc.
b)	200-9526.00-00000	20 mm	26 mm	28 mm	30 mm	38 mm	40 mm	44 mm	48 mm	50 mm	54 mm	58 mm	64 mm	68 mm	74 mm	1 pc.
c)	200-9528.00-00000	22 mm	28 mm	30 mm	32 mm	40 mm	42 mm	46 mm	50 mm	52 mm	56 mm	60 mm	66 mm	70 mm	76 mm	1 pc.
c)	200-9530.00-00000	24 mm	30 mm	32 mm	34 mm	42 mm	44 mm	48 mm	52 mm	54 mm	58 mm	62 mm	68 mm	72 mm	78 mm	1 pc.
c)	200-9532.00-00000	26 mm	32 mm	34 mm	36 mm	44 mm	46 mm	50 mm	54 mm	56 mm	60 mm	64 mm	70 mm	74 mm	80 mm	1 pc.
c)	200-9534.00-00000	28 mm	34 mm	36 mm	38 mm	46 mm	48 mm	52 mm	56 mm	58 mm	62 mm	66 mm	72 mm	76 mm	82 mm	1 pc.
c)	200-9535.00-00000	29 mm	35 mm	37 mm	39 mm	47 mm	49 mm	53 mm	57 mm	59 mm	63 mm	67 mm	73 mm	77 mm	83 mm	1 pc.
c)	200-9536.00-00000	30 mm	36 mm	38 mm	40 mm	48 mm	50 mm	54 mm	58 mm	60 mm	64 mm	68 mm	74 mm	78 mm	84 mm	1 pc.
c)	200-9538.00-00000	32 mm	38 mm	40 mm	42 mm	50 mm	52 mm	56 mm	60 mm	62 mm	66 mm	70 mm	76 mm	80 mm	86 mm	1 pc.
c)	200-9540.00-00000	34 mm	40 mm	42 mm	44 mm	52 mm	54 mm	58 mm	62 mm	64 mm	68 mm	72 mm	78 mm	82 mm	88 mm	1 pc.
c)	200-9542.00-00000	36 mm	42 mm	44 mm	46 mm	54 mm	56 mm	60 mm	64 mm	66 mm	70 mm	74 mm	80 mm	84 mm	90 mm	1 pc.
c)	200-9544.00-00000	38 mm	44 mm	46 mm	48 mm	56 mm	58 mm	62 mm	66 mm	68 mm	72 mm	76 mm	82 mm	86 mm	92 mm	1 pc.
e)	200-9545.00-00000	39 mm	45 mm	47 mm	49 mm	57 mm	59 mm	63 mm	67 mm	69 mm	73 mm	77 mm	83 mm	87 mm	93 mm	1 pc.
e)	200-9547.00-00000	41 mm	47 mm	49 mm	51 mm	59 mm	61 mm	65 mm	69 mm	71 mm	75 mm	79 mm	85 mm	89 mm	95 mm	1 pc.
e)	200-9550.00-00000	44 mm	50 mm	52 mm	54 mm	62 mm	64 mm	68 mm	72 mm	74 mm	78 mm	82 mm	88 mm	92 mm	98 mm	1 pc.

Rod control

	Part Number	Stop	Installation type	Delivery Unit
d)	200-9599.00-00000	Yes	screw-on	1 pc.

+	Accessories
157	1-103 Slide Shoe for Cams
160	1-260 Hooked Cam
161	1-261 Cams with Ramp
161	1-262 Cams variable
294	2-150 3-Point Cam L45, Rod Control
175, 295	2-151 2-, 3- and 4-Point Cam Adapter
178, 298	2-151.01 3-Point Adapter with Adjustment
176, 296	2-151.04 3-Point Cam Adapter





Cams L35/45 Stainless Steel

[7-105]

Advantages

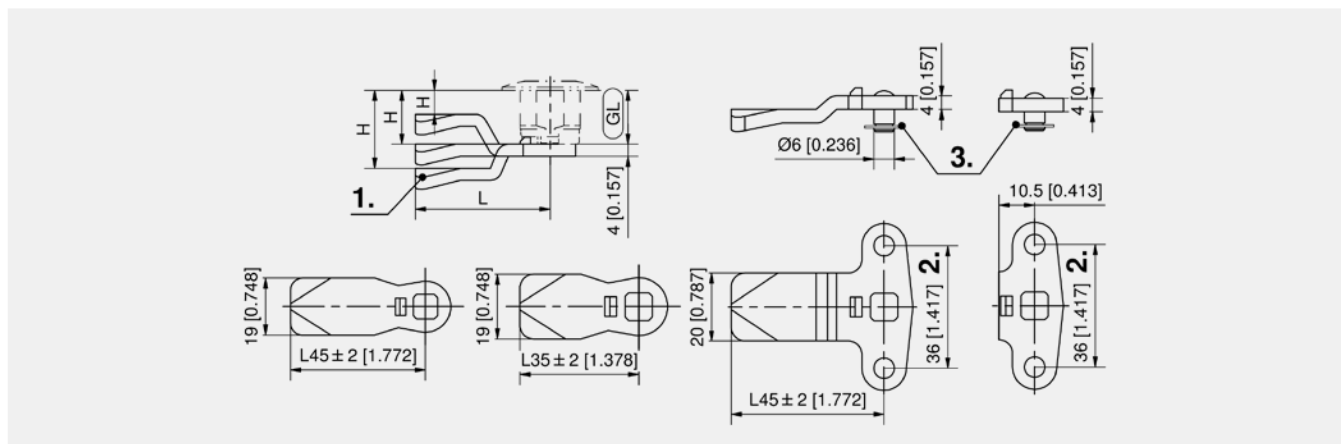
- Cams with ramp and stop with 35mm and 45mm length for 1-point locking.
- 3-point cam for 3-point locking.
- 2-point cam as rod control for 2-point locking.

Materials

- **Cams:** AISI 304

Remarks

- Slide shoe for cams 35 and 45mm, see product system 1-103
1. ramp 3mm
 2. stroke 18mm
 3. stubs for c-clips included



Cams, L45

Part Number	H-dimension GI18	H-dimension GI30	H-dimension GI36	H-dimension GI40	H-dimension GI50	H-dimension GI60	Delivery Unit
200-0506.00-00000	6 mm	18 mm	24 mm	28 mm	38 mm	48 mm	1 pc.
200-0508.00-00000	8 mm	20 mm	26 mm	30 mm	40 mm	50 mm	1 pc.
200-0510.00-00000	10 mm	22 mm	28 mm	32 mm	42 mm	52 mm	1 pc.
200-0514.00-00000	14 mm	26 mm	32 mm	36 mm	46 mm	56 mm	1 pc.
200-0516.00-00000	16 mm	28 mm	34 mm	38 mm	48 mm	58 mm	1 pc.
200-0518.00-00000	18 mm	30 mm	36 mm	40 mm	50 mm	60 mm	1 pc.
200-0520.00-00000	20 mm	32 mm	38 mm	42 mm	52 mm	62 mm	1 pc.
200-0522.00-00000	22 mm	34 mm	40 mm	44 mm	54 mm	64 mm	1 pc.
200-0524.00-00000	24 mm	36 mm	42 mm	46 mm	56 mm	66 mm	1 pc.
200-0526.00-00000	26 mm	38 mm	44 mm	48 mm	58 mm	68 mm	1 pc.
200-0528.00-00000	28 mm	40 mm	46 mm	50 mm	60 mm	70 mm	1 pc.
200-0532.00-00000	32 mm	44 mm	50 mm	54 mm	64 mm	74 mm	1 pc.
200-0540.00-00000	40 mm	52 mm	58 mm	62 mm	72 mm	82 mm	1 pc.
200-0542.00-00000	42 mm	54 mm	60 mm	64 mm	74 mm	84 mm	1 pc.
200-0550.00-00000	50 mm	62 mm	68 mm	72 mm	82 mm	92 mm	1 pc.

Cams, L35

Part Number	H-dimension GI18	H-dimension GI30	H-dimension GI36	H-dimension GI40	H-dimension GI50	H-dimension GI60	Delivery Unit
200-4535.00-00018	18 mm	30 mm	36 mm	40 mm	50 mm	60 mm	1 pc.
200-4535.00-00020	20 mm	32 mm	38 mm	42 mm	52 mm	62 mm	1 pc.
200-4535.00-00022	22 mm	34 mm	40 mm	44 mm	54 mm	64 mm	1 pc.

3-point cams

Part Number	Version	Delivery Unit
200-9845.00-00022	Bending A20	1 pc.
200-9845.00-00028	Bending A26	1 pc.

2-point cam

Part Number	Delivery Unit
200-9899.00-00000	1 pc.



Slide Shoe for Cams

[1-103]

Advantages

- 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.

Materials

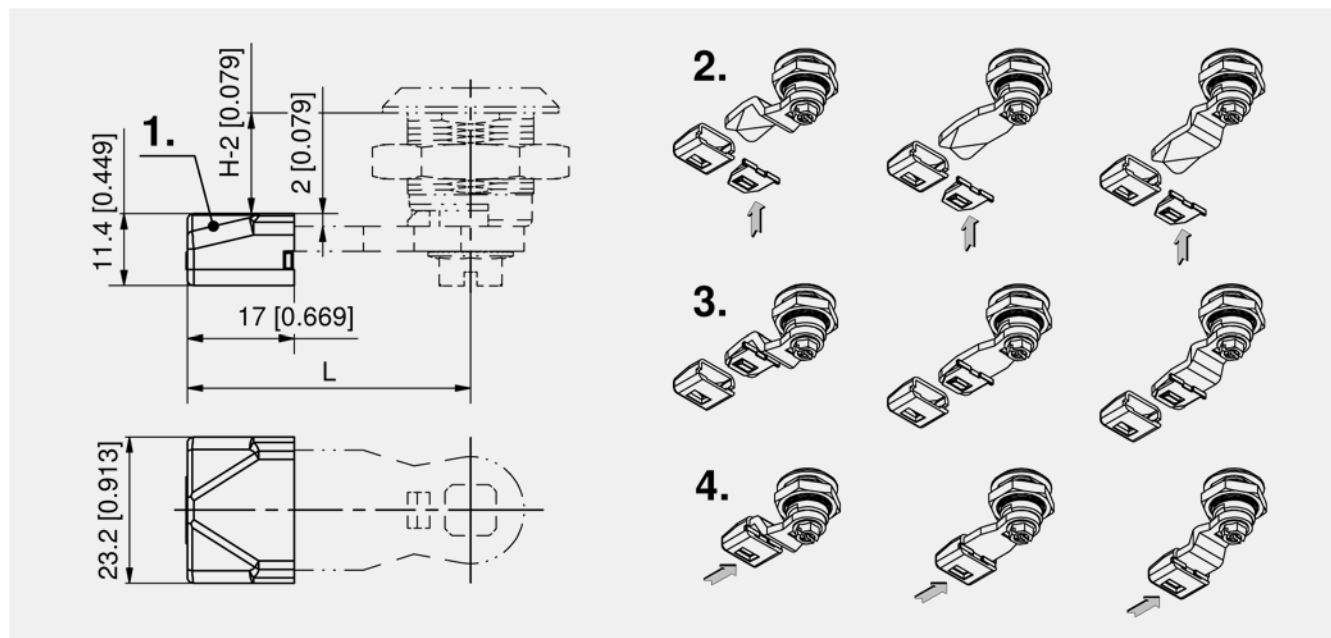
- **Slide shoe:** POM, natural

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.

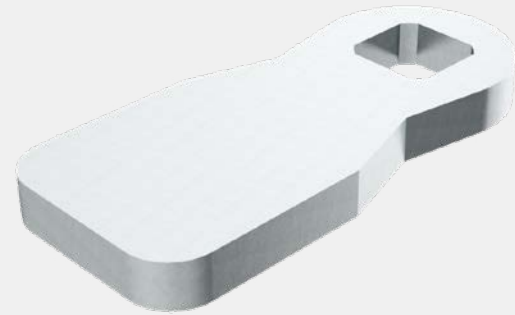
Note: the H-dimension diminishes by 2mm.



Slide shoe

Part Number	Delivery Unit
200-9622.00-00000	10 pcs.





Advantages

- Cams without ramp and stop.
- **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).

Materials

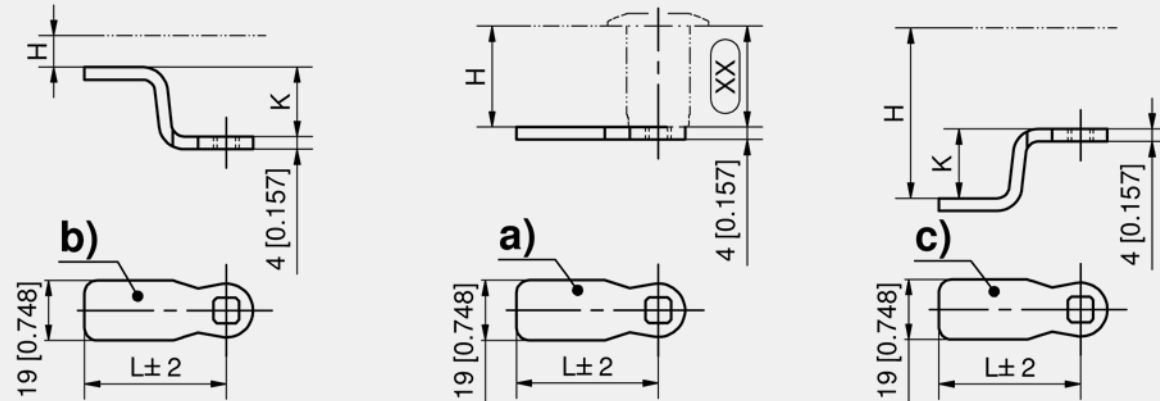
- **Cams:** steel, zinc plated

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.

Formula for H-dimension:

for negatively bent cams K will be subtracted from (XX), for positively bent cams K will be added to (XX).



Cams, length 45mm, without stop

	Part Number	b) negatively bent K =	c) positively bent K =	Delivery Unit
	100-0545.15-00022	22 mm	22 mm	1 pc.
	100-0545.15-00020	20 mm	20 mm	1 pc.
	100-0545.15-00018	18 mm	18 mm	1 pc.
	100-0545.15-00016	16 mm	16 mm	1 pc.
	100-0545.15-00014	14 mm	14 mm	1 pc.
	100-0545.15-00012	12 mm	12 mm	1 pc.
	100-0545.15-00010	10 mm	10 mm	1 pc.
	100-0545.15-00008	8 mm	8 mm	1 pc.
	100-0545.15-00006	6 mm	6 mm	1 pc.
	100-0545.15-00004	4 mm	4 mm	1 pc.
	100-0545.15-00002	2 mm	2 mm	1 pc.
a)	100-0545.15-00000	00 mm	00 mm	1 pc.



Advantages

- Cams without ramp and stop.
- **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)

Materials

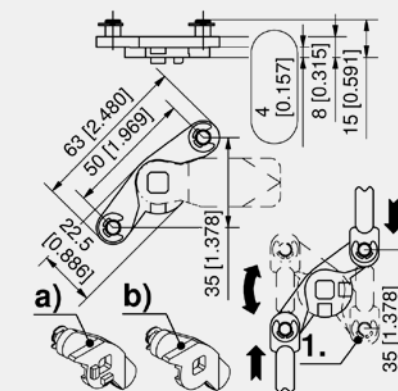
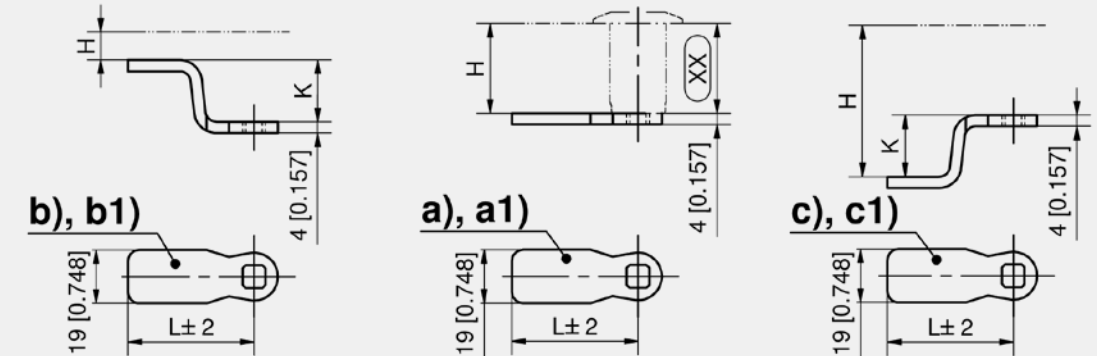
- **Cams:** AISI 304

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.

Formula for H-dimension:

for negatively bent cams K will be subtracted from (XX), for positively bent cams K will be added to (XX).



Cams, length 35mm, without stop

	Part Number	b) negatively bent K =	c) positively bent K =	Delivery Unit
	100-0535.80-00022	22 mm	22 mm	1 pc.
	100-0535.80-00020	20 mm	20 mm	1 pc.
	100-0535.80-00018	18 mm	18 mm	1 pc.
	100-0535.80-00016	16 mm	16 mm	1 pc.
	100-0535.80-00014	14 mm	14 mm	1 pc.
	100-0535.80-00012	12 mm	12 mm	1 pc.
	100-0535.80-00010	10 mm	10 mm	1 pc.
	100-0535.80-00008	8 mm	8 mm	1 pc.
	100-0535.80-00006	6 mm	6 mm	1 pc.
	100-0535.80-00004	4 mm	4 mm	1 pc.
	100-0535.80-00002	2 mm	2 mm	1 pc.
a)	100-0535.80-00000	00 mm	00 mm	1 pc.

Cams, length 45mm, without stop

	Part Number	b) negatively bent K =	c) positively bent K =	Delivery Unit
	100-0545.80-00022	22 mm	22 mm	1 pc.
	100-0545.80-00020	20 mm	20 mm	1 pc.
	100-0545.80-00018	18 mm	18 mm	1 pc.
	100-0545.80-00016	16 mm	16 mm	1 pc.
	100-0545.80-00014	14 mm	14 mm	1 pc.
	100-0545.80-00012	12 mm	12 mm	1 pc.
	100-0545.80-00010	10 mm	10 mm	1 pc.
	100-0545.80-00008	8 mm	8 mm	1 pc.
	100-0545.80-00006	6 mm	6 mm	1 pc.
	100-0545.80-00004	4 mm	4 mm	1 pc.
	100-0545.80-00002	2 mm	2 mm	1 pc.
a1)	100-0545.80-00000	00 mm	00 mm	1 pc.



Hooked Cams

[1-260]

RoHS
WEEE



Advantages

■ Hooked cams suitable for all 200-series latches and handles.

Materials

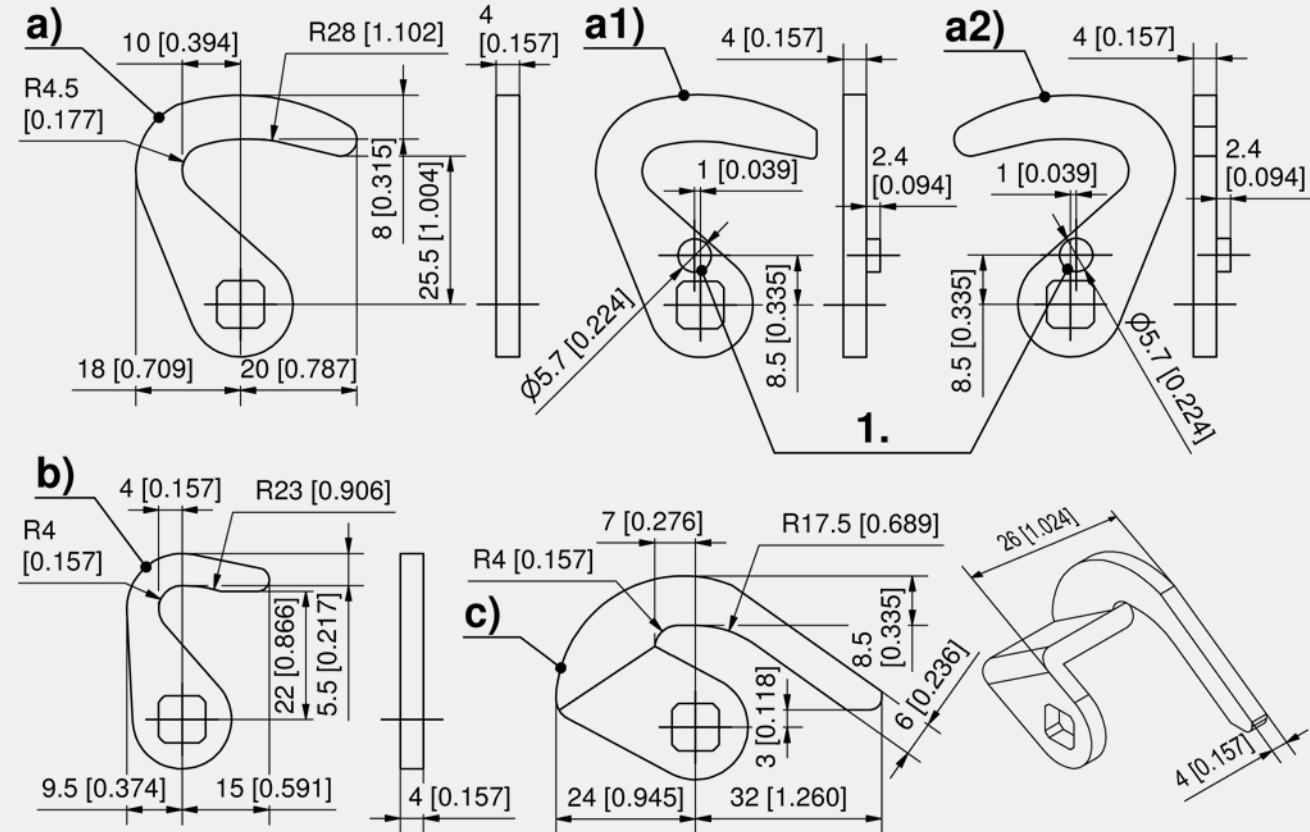
■ **Hooked cam:** steel, zinc plated

Remarks

1. stop

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.



Hooked cams

	Part Number	Version	Stop	Delivery Unit
a)	200-1701.00-00000	RH / LH		10 pcs.
a1)	200-8143.00-00000	RH	Yes	10 pcs.
a2)	200-8144.00-00000	LH	Yes	10 pcs.
b)	200-1703.00-00000	RH / LH		10 pcs.
c)	200-1702.00-00000	RH		10 pcs.

Cams with Ramp

[1-261]

RoHS
WEEE

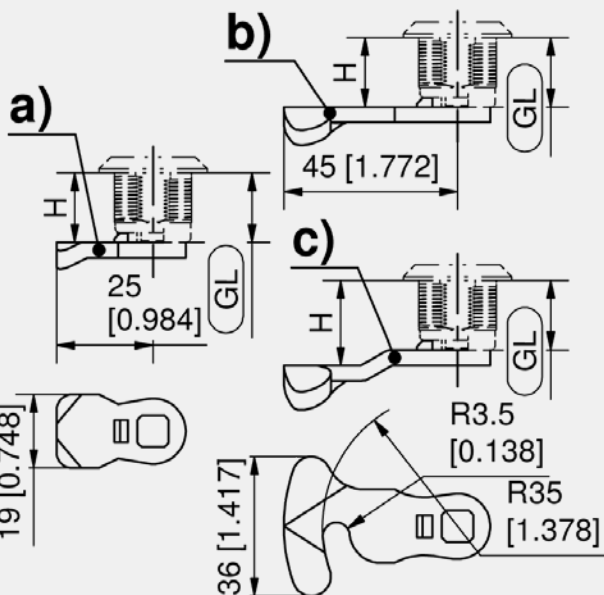


Advantages

■ a) cam for quarter-turn series 200 with 25mm length.
■ b) and c) cams for quarter-turn series 200 with 6mm ramp.

Materials

■ **Cams:** steel, zinc plated



Cams with ramp

	Part Number	H-dimension	Ramp	Length	Stop	Delivery Unit
a)	200-5118.00-00000	18 mm	3mm	25 mm	Yes	10 pcs.
b)	200-4018.00-00000	18 mm	6mm	45 mm	Yes	10 pcs.
c)	200-4022.00-00000	22 mm	6mm	45 mm	Yes	10 pcs.

Cams variable

[1-262]

RoHS
WEEE



Advantages

■ Special cams for quarter-turn series 200.

Materials

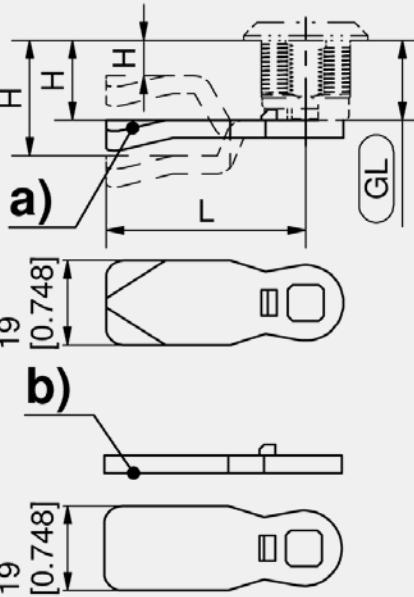
■ **Cams:** steel, zinc plated

Remarks

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

Price and delivery time on request.



Cams, L-and H-dimension variable

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





Advantages

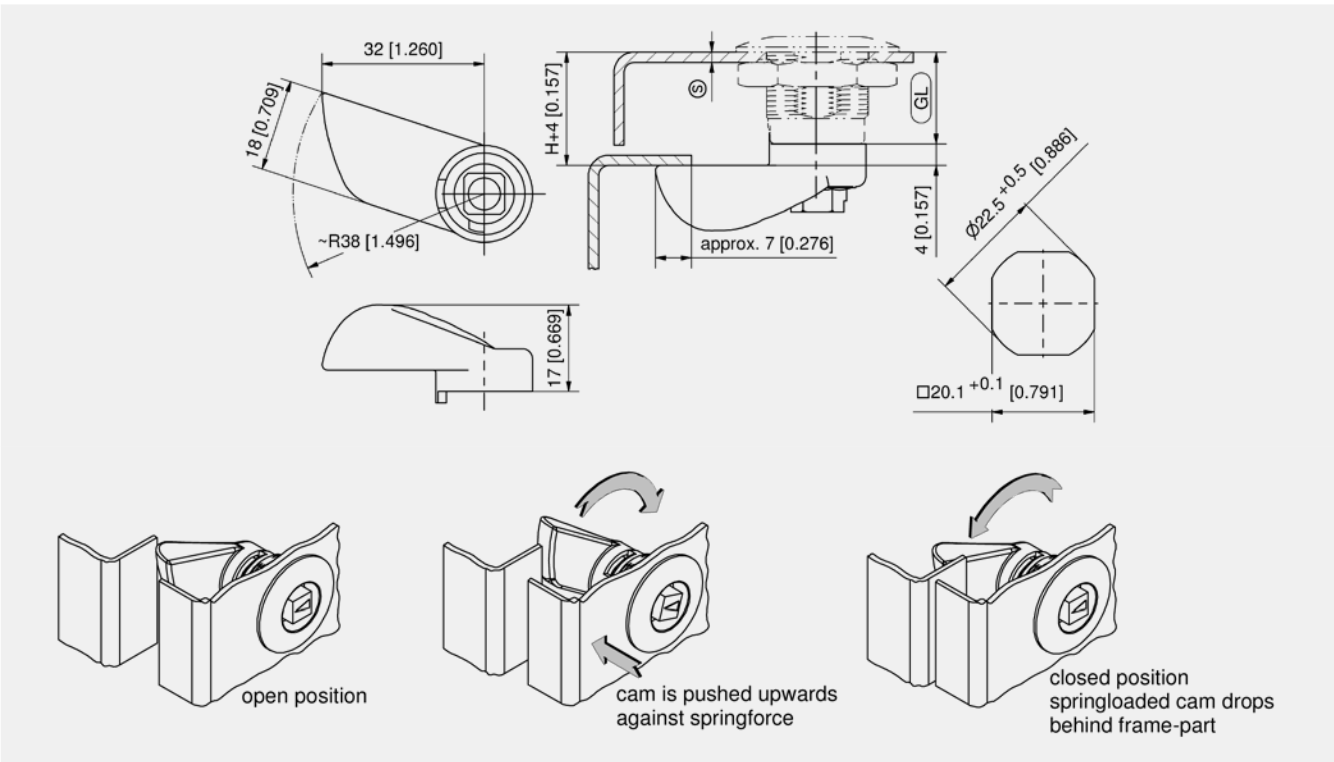
- Slam-cam for slam doors.
- Locking without key or tool.
- **To a):** the teflon washer replaces the wave washer underneath the insert.
- For use in combination with quarter-turns and inserts.
- **To b):** slam-cam with free-stroke for applications with cylinder locks and handles. For enclosure height 18mm.

Materials

- **Slam-cam:** zinc die, chrome plated
- **Spring:** steel, zinc plated
- **Spacer:** POM

Remarks

Please order quarter-turn completely pre-assembled by DIRAK.
For quarter-turns with longer housings, please contact DIRAK.



Slam-cams, length 32mm

	Part Number	Version	Type	Delivery Unit
a)	200-9605.00-00000	RH	for insert	10 pcs.
a)	200-9606.00-00000	LH	for insert	10 pcs.
b)	200-9607.00-00000	RH	for Cylinder Quarter-Turns and Handle variants	10 pcs.
b)	200-9608.00-00000	LH	for Cylinder Quarter-Turns and Handle variants	10 pcs.

+	Accessories
76	1-100 Quarter-Turn Pr20.1 L18
150	1-101 Inserts Pr20.1
88	1-120 Cylinder Quarter-Turn Pr20.1 L18
91	1-120.01 Cylinder Quarter-Turn Pr20.1 L30-50
124	1-154 L-Handle for Padlock Pr20.1 L18/40
86	1-210 Quarter-Turn with Conical Square Insert Pr20.1 L18



Advantages

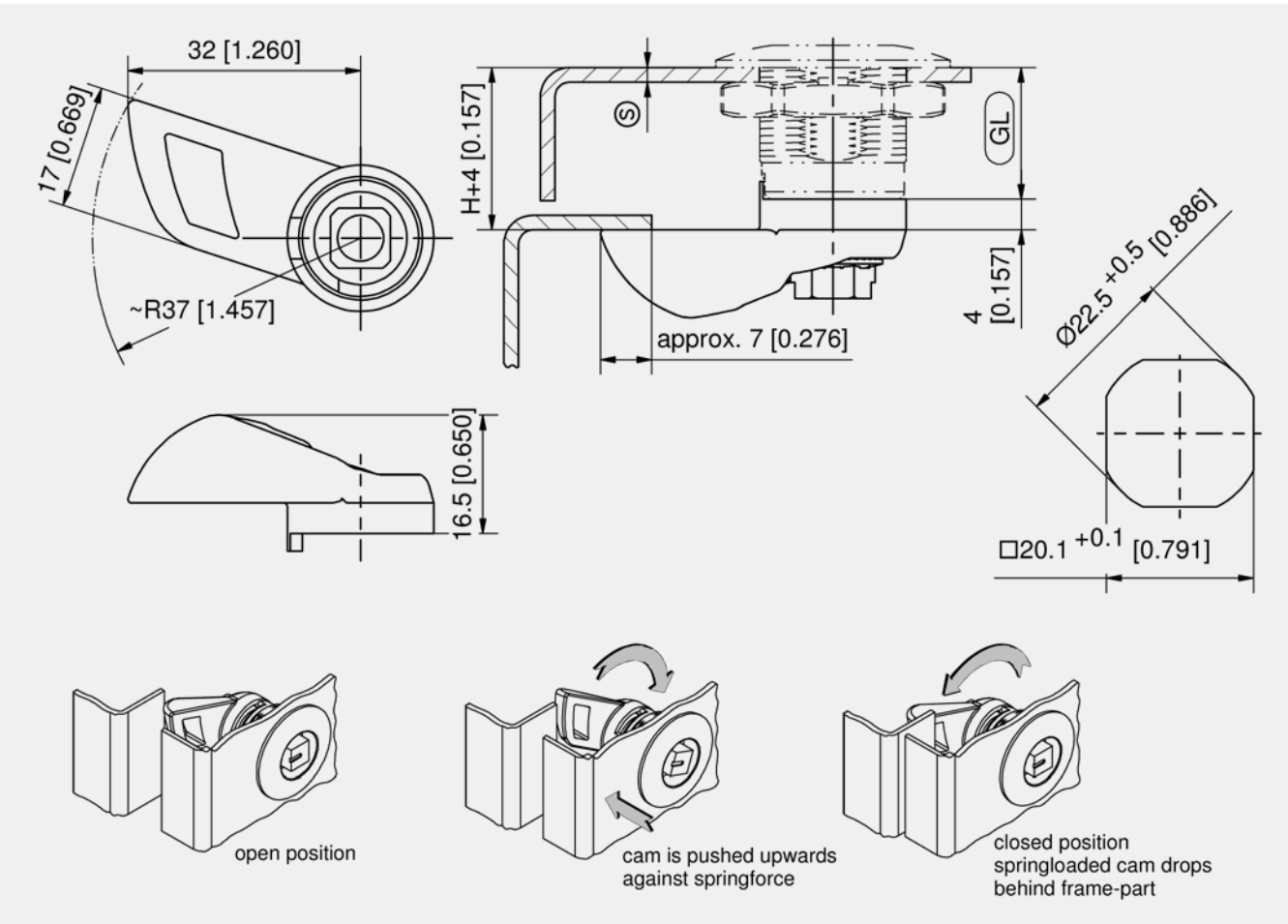
- Slam-cam for slam doors or flaps.
- Locking without key or tool.
- A slam-cam set consists of a cam, a spring and a serrated screw with self securing powder dot.
- This self securing powder dot is to tune / adjust the correct friction for the stroke.

Materials

- **Slam-cam:** AISI 316
- **Spring:** AISI 301
- **Serrated screw:** AISI 304

Remarks

Only for quarter-turns with insert.
On request, latch units with this cam should be assembled by DIRAK.
A pre-assembled quarter-turn can be installed through the cutout.



Slam-cams, length 32mm

Part Number	Version	Delivery Unit
200-9629.00-00000	RH	1 pc.
200-9630.00-00000	LH	1 pc.

+	Accessories
83	7-080 Quarter-Turn Pr20.1 L18 - L60 Stainless Steel
78	7-080.01 Quarter-Turn Pr20.1 L18 Stainless Steel





Advantages

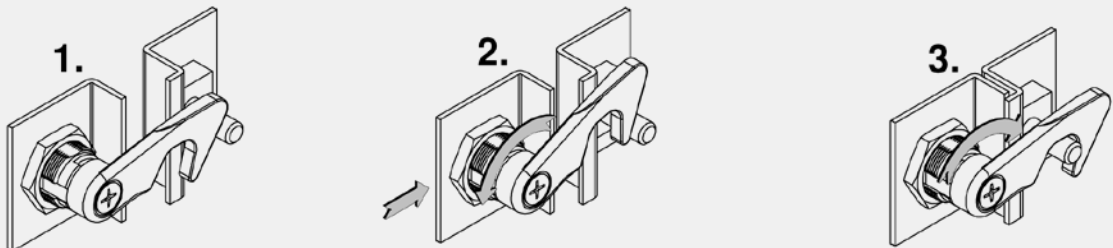
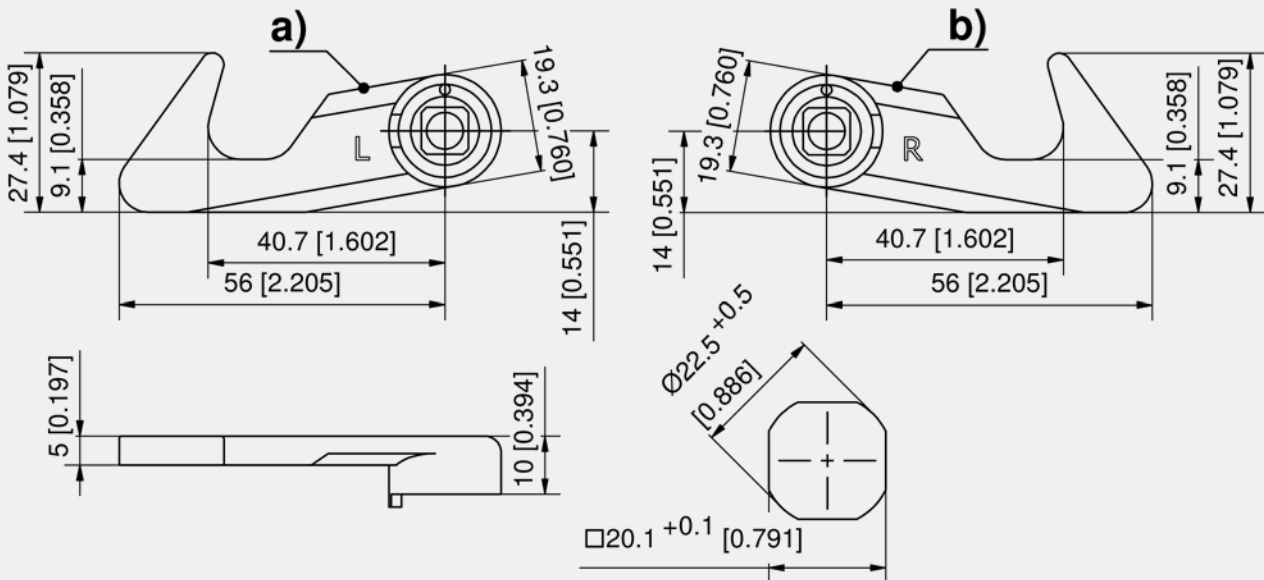
- Slam-cam for slam doors. Locking without key or tool.
- The washer adjust the correct friction for the stroke.
- A pre-assembled quarter-turn can be installed through the cutout.

Materials

- **Slam-cam:** zinc die
- **Spring and countersunk screw:** steel, zinc plated
- **Stepped washer:** POM

Remarks

Only for quarter-turns with insert.
Please order quarter-turn completely pre-assembled by DIRAK.



Slam-cam for inserts

	Part Number	Version	Installation type	Delivery Unit
a)	200-9639.00-00000	LH	screw-on	10 pcs.
b)	200-9638.00-00000	RH	screw-on	10 pcs.

Accessories	
76	1-100 Quarter-Turn Pr20.1 L18
150	1-101 Inserts Pr20.1
477	200-3704.00-00000 Locking bolt for Pull and Lock Hook

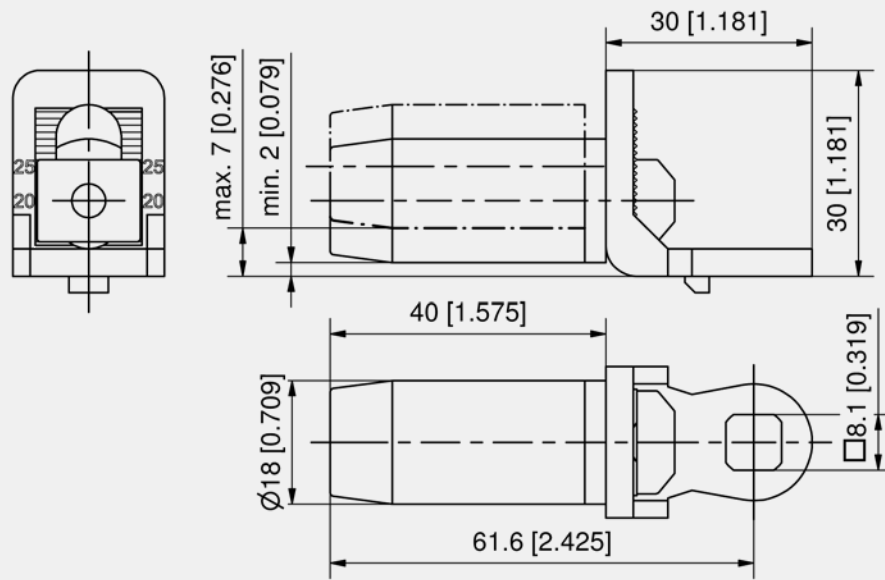


Advantages

- 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, distance bushing:** zinc die, untreated
- **Socket head screw:** teel, zinc plated



Roller cam

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

Accessories	
178, 298	2-151.01 3-Point Adapter with Adjustment
173, 300	2-151.02 Adjustment



DST Cam Catch

[1-050DST]

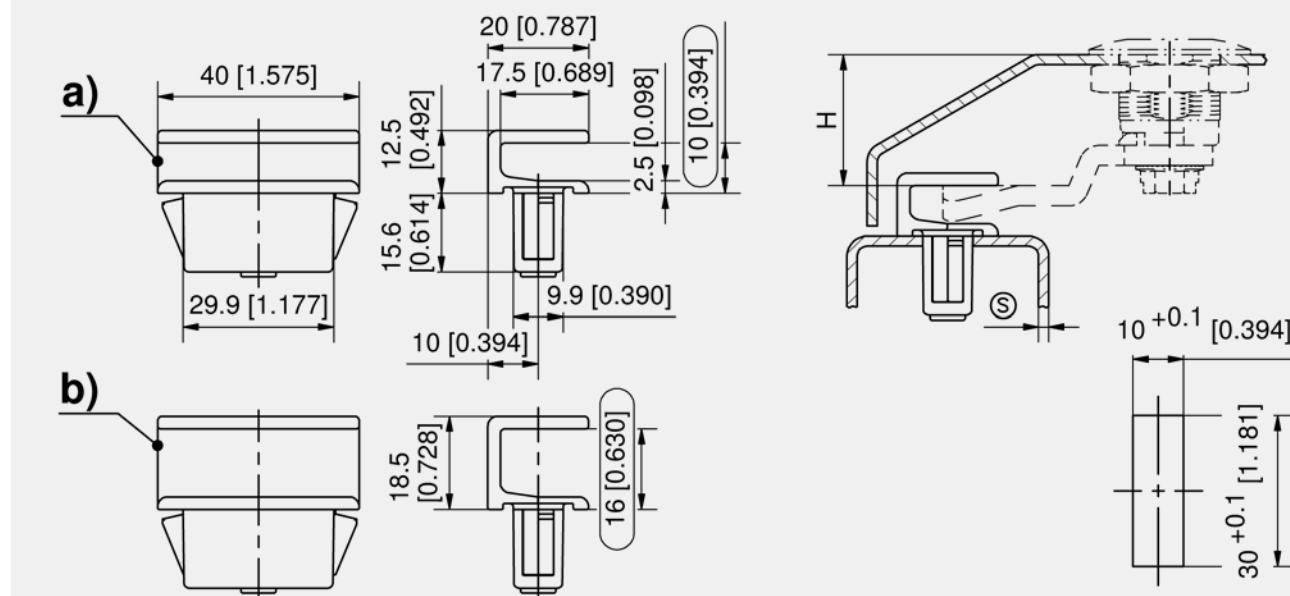


Advantages

- 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, 10 and 16mm.
- IP65 according to DIN EN 60529 (optional).

Materials

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



Cam catch

	Part Number	Clamping range (S)	Cam catch	Installation type	Delivery Unit
a)	408-9106.33-00010	0.7 - 1.2 mm	10mm	tool-less	10 pcs.
a)	408-9106.33-00015	1.2 - 1.7 mm	10mm	tool-less	10 pcs.
a)	408-9106.33-00020	1.7 - 2.2 mm	10mm	tool-less	10 pcs.
a)	408-9106.33-00025	2.2 - 2.7 mm	10mm	tool-less	10 pcs.
a)	408-9106.33-00030	2.7 - 3.2 mm	10mm	tool-less	10 pcs.
b)	408-9107.33-00010	0.7 - 1.2 mm	16mm	tool-less	10 pcs.
b)	408-9107.33-00015	1.2 - 1.7 mm	16mm	tool-less	10 pcs.
b)	408-9107.33-00020	1.7 - 2.2 mm	16mm	tool-less	10 pcs.
b)	408-9107.33-00025	2.2 - 2.7 mm	16mm	tool-less	10 pcs.
b)	408-9107.33-00030	2.7 - 3.2 mm	16mm	tool-less	10 pcs.

+	Accessories
	762 292-0401.00-03010 Cutout-cover
*	Function extension
	839-3770 00-02022 O-ring 20 x 2.2mm



1-050DST

◀ all product details
on DIRAK.com

Handles for Quarter-turns Pr20.1

[1-115]



Advantages

- Can be assembled afterwards for easier transport and packaging (flush).
- Inserts and screws are included.

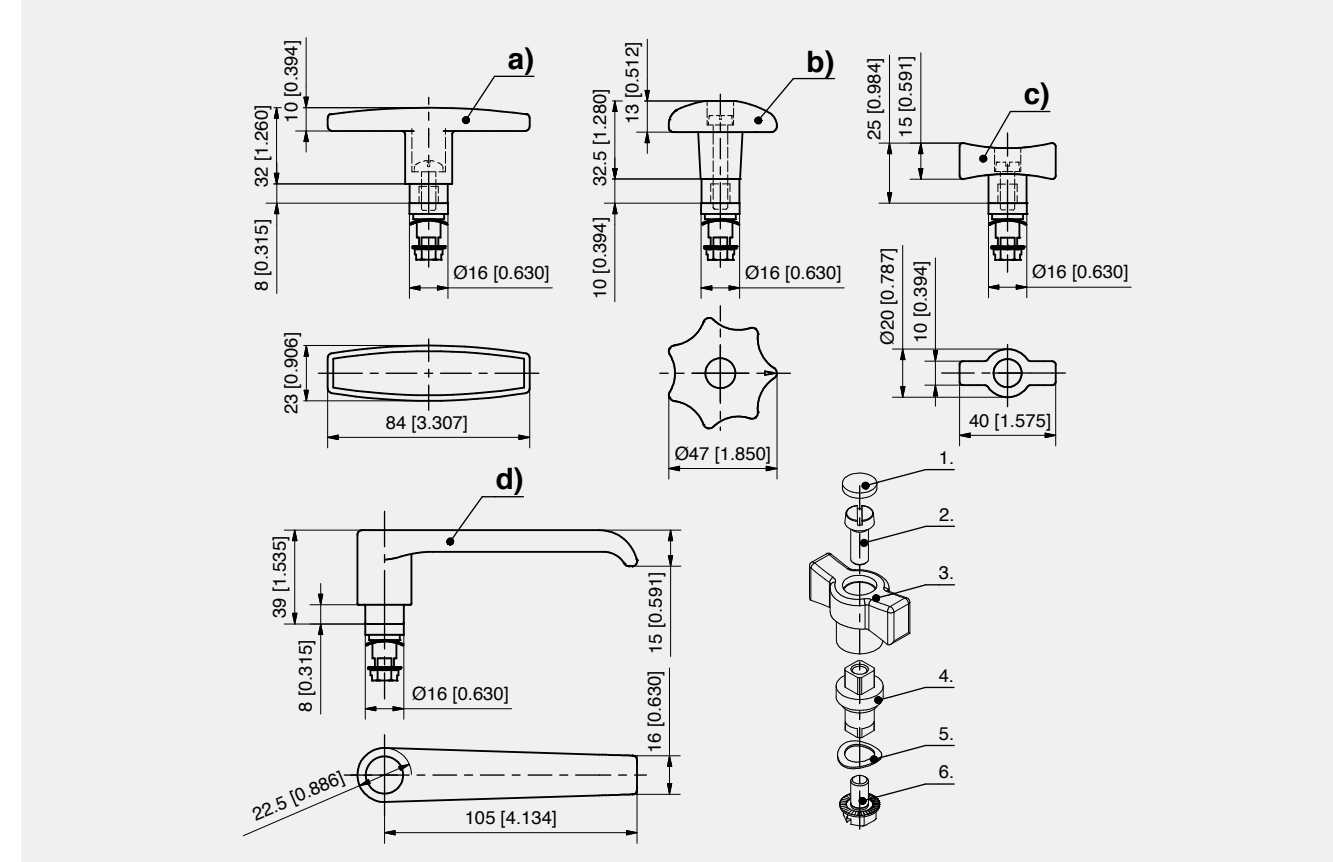
Materials

- **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



Handles for quarter-turns Pr20.1

	Part Number	Handle element	Delivery Unit
a)	200-9134.00-09137	T-handle with insert	1 pc.
b)	200-9135.00-09137	Star knob with insert	1 pc.
c)	200-9136.00-09137	Wing knob with insert	1 pc.
d)	200-9144.00-09137	L-handle with insert	1 pc.



1-115

all product details ►
on DIRAK.com

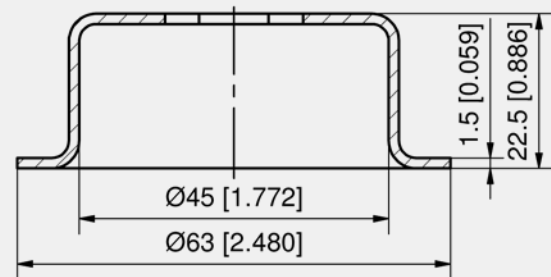
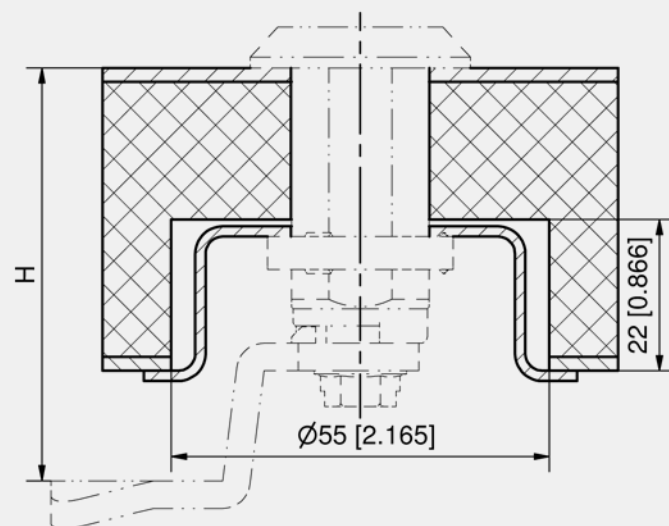
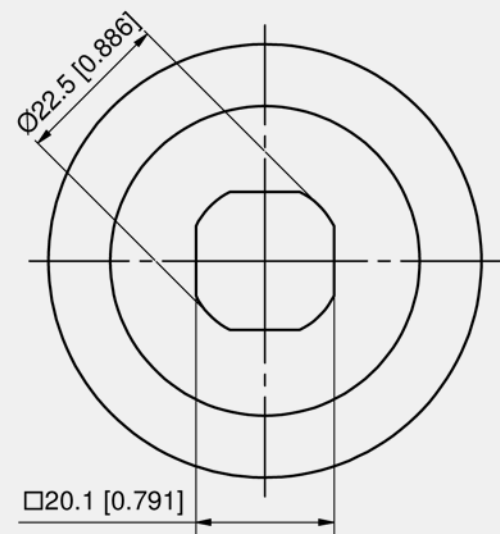


Advantages

- Dish for quarter-turn installation in insulated doors.
- Decrease of the door-thickness of 21 mm.
- Expanded bearing face for fixing quarter-turns in insulated doors.

Materials

- **Dish:** steel, zinc plated



Dish

Part Number	Depth	Delivery Unit
200-3902.00-00000	21 mm	10 pcs.



all product details
on DIRAK.com

1-274



Advantages

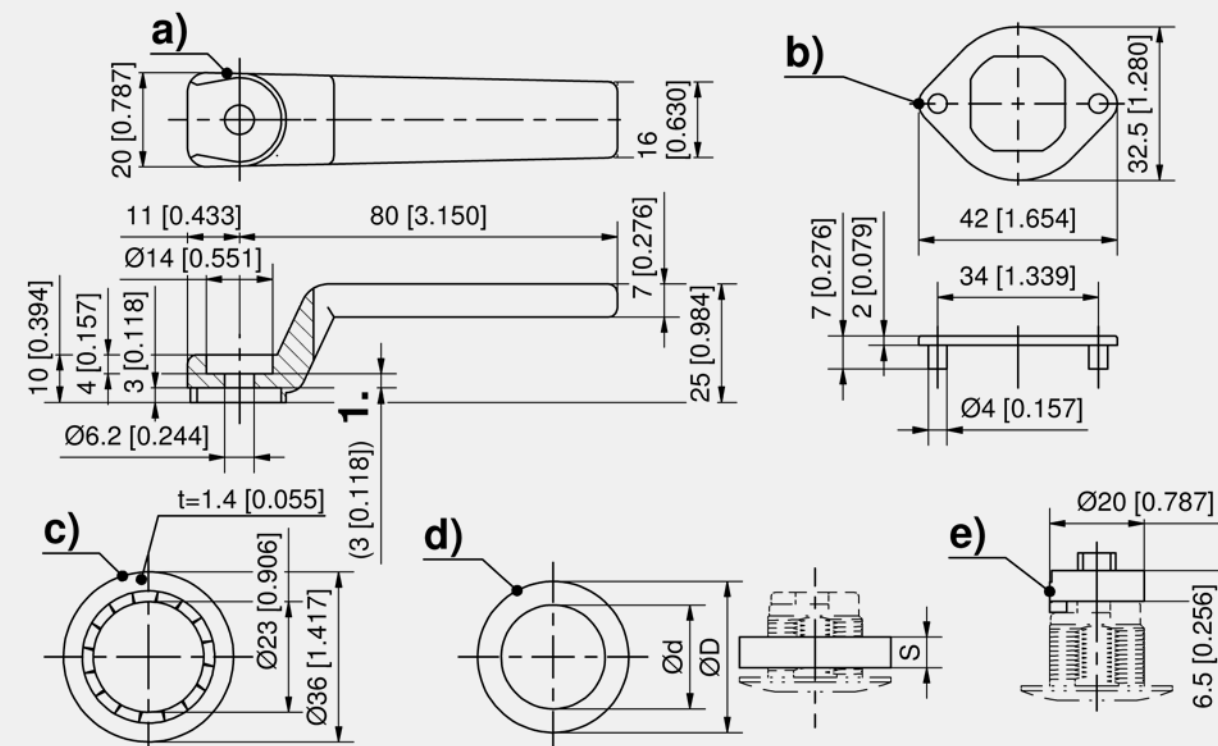
- Emergency handle for internal unlocking for quarter-turns of the Pr20.1. Installation is with the cam.
- Anti-rotation device for all quarter-turns Pr20.1 with nut fastening.
- Distance ring to raise the quarter-turn heads Pr20.1
- Serrated lock washer as protection against the connection unintentionally coming loose due to vibrations.
- Quarter-turn extension for extending quarter-turns by 6.5mm Pr20.1. Screwed on under the housing with the cam.

Materials

- **Emergency handle:** zinc die, red
- **Anti-rotation device:** zinc die, zinc plated or black
- **Serrated lock washer:** steel, zinc plated or stainless steel
- **Spacer:** steel, black or chrome plated, or zinc die, chrome plated or black
- **Quarter-turn extension:** zinc die, zinc plated

Remarks

1. please note length of screw



Accessories quarter-turn

	Part Number	Name	Material	Surface	D	d	S	Delivery Unit
a)	200-4701.00-00000	Emergency handle	zinc die	red				10 pcs.
b)	200-4601.00-00000	Anti-rotation device	zinc die	zinc plated				10 pcs.
b)	200-4601.02-00000	Anti-rotation device	zinc die	black				10 pcs.
c)	800-0064.00-00000	Serrated lock washer	steel	zinc plated				10 pcs.
c)	840-6798.00-00023	Serrated lock washer	stainless steel					10 pcs.
d)	200-4608.00-00000	Spacer	steel	black	28 mm	21.9 mm	4 mm	10 pcs.
d)	200-4610.00-00000	Spacer	steel	chrome plated	30 mm	21.9 mm	4 mm	10 pcs.
d)	200-4611.01-00000	Spacer	zinc die	chrome plated	32 mm	21.7 mm	6.6 mm	10 pcs.
d)	200-4611.02-00000	Spacer	zinc die	black	32 mm	21.7 mm	6.6 mm	10 pcs.
e)	200-2809.35-00000	Quarter-turn extension	zinc die	zinc plated	32 mm		6.5 mm	10 pcs.

Dust Caps and Sealing Plug Pr20.1

[1-270]



IP
65/67

IP
65

RoHS
WEEE



Advantages

- **Dust caps** for head Ø28mm - Ø32mm.
- **Material TPU:** excellent resistance to pure mineral oils and greases.
- **Sealing plugs** for inner diameter Ø16.1mm and Ø18.1mm.
- Tight according to DIN EN 60529.

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!

Spring-Loaded Flap Lid Pr20.1

[1-270.02]



IP
65/67

IP
65

RoHS
WEEE



Advantages

- Enclosing flap provides protection against soiling.
- The spring-loaded, enclosing flap falls back into the closed position at any time after operation and thus reliably protects against dust and water.
- Retrofittable for quarter-turns with insert and cylinder quarter-turns.
- For head diameter max. 32mm and head height 6mm.
- 180° Opening angle.
- Integrated stop protects the quarter-turn surface from damages.
- Integrated finger pull enables easy handling even with work or safety gloves.

Materials

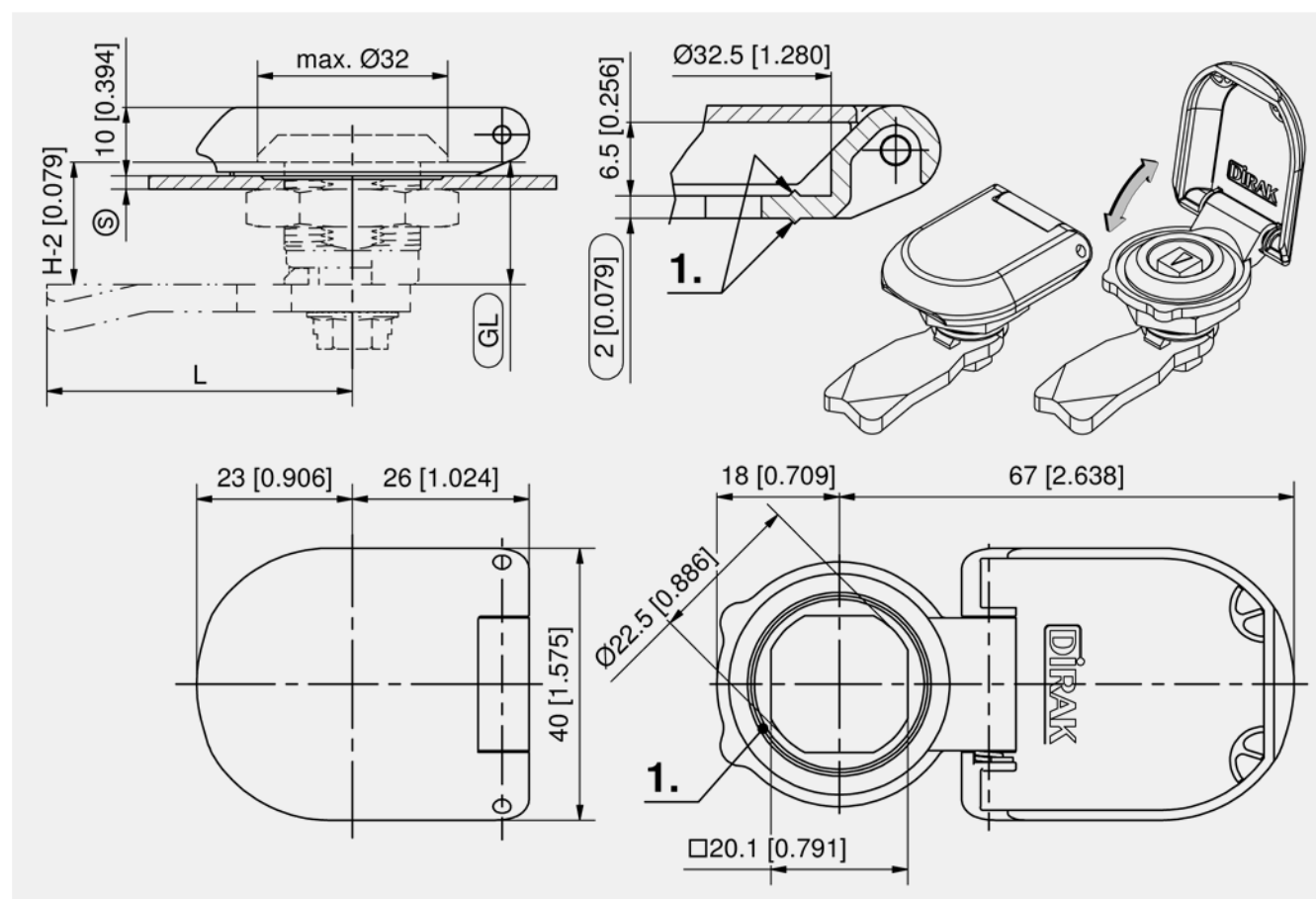
- **Lid and bottom:** PA, black
- **Knurled pin and leg spring:** stainless steel

Remarks

Complete tightness of the quarter-turn is **not achieved** with the spring-loaded flap lid alone!

When using the spring-loaded flap lid the H-dimension changes by 2mm!

1. sealing lip



Accessories quarter-turn

	Part Number	Name	Diameter Ø	IP protection	Material	Temperature range	Delivery Unit
a)	200-4101.00-00000	Dust cap		IP65	PP	0° to +80°C	10 pcs.
b)	200-4103.00-00000	Dust cap		IP65/67	TPU	-40° to +100°C	10 pcs.
c)	292-0606.00-00000	Sealing plug	16.1 mm	IP65	NBR+PVC		10 pcs.
d)	292-0605.00-00000	Sealing plug	18.1 mm	IP65	NBR+PVC		10 pcs.

Accessories quarter-turn

Part Number	Name	Delivery Unit
237-9307.00-00000	Spring-Loaded Flap Lid Pr20.1	10 pcs.





Finger Pull for Quarter-Turn Pr20.1

[1-270.01]

**Advantages**

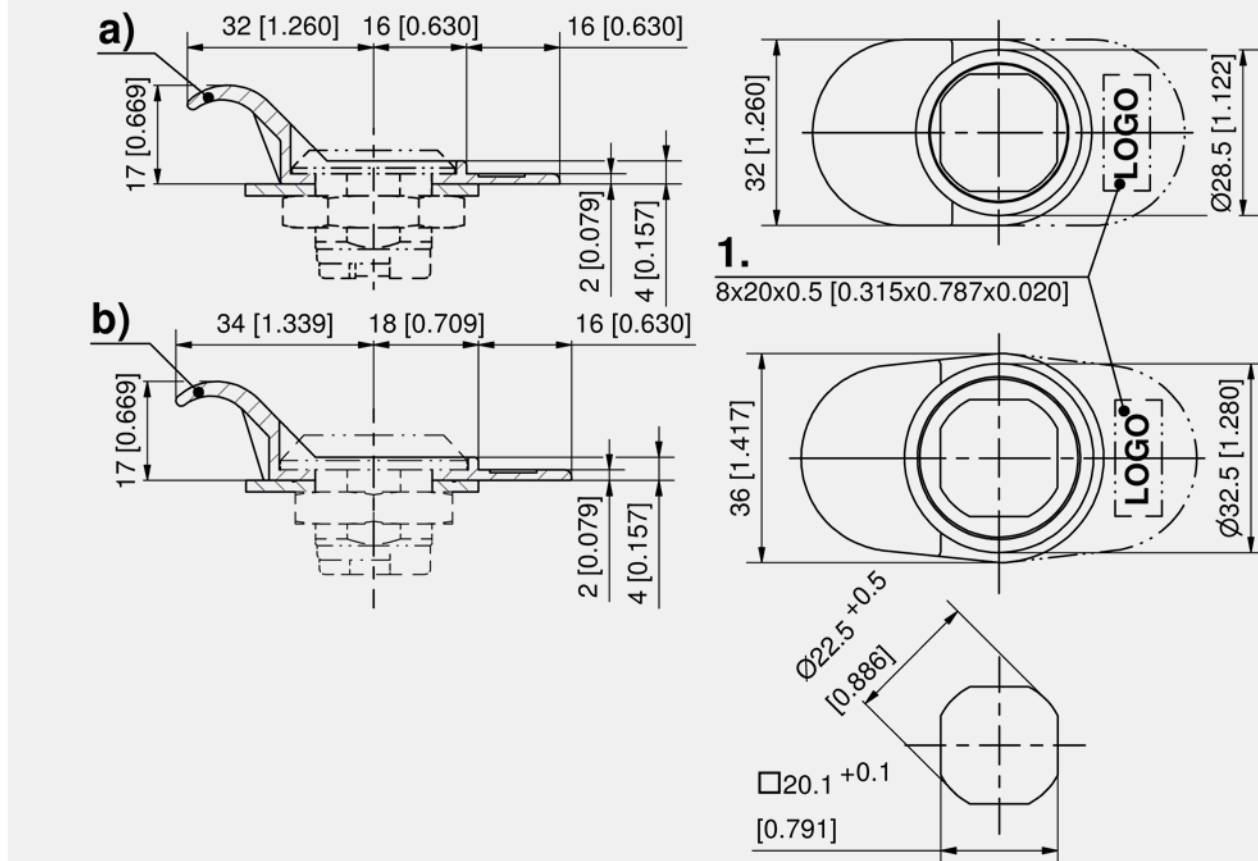
- For head Ø28 mm see product system 1-083, 1-095, 1-100, 1-120, 1-121, 1-210, 7-080 and 7-082.
- For head Ø30/32 mm see product system 1-077, 1-081, 1-085, 1-086, 1-092, 1-100, 1-110, 1-120, 1-200, 7-080.01 and 7-084.

Materials

- **Finger pull:** PA, black

Remarks

- 1. area for company name or logo
- With Logo on request.
- By using a finger pull the H-dimension changes by 2mm.



Accessories quarter-turn

	Part Number	Name	Recess for label	Delivery Unit
a)	200-4703.03-00000	Finger pull for Ø28	No	10 pcs.
a)	200-4704.03-00000	Finger pull for Ø28	Yes	10 pcs.
b)	200-4705.03-00000	Finger pull for Ø32	No	10 pcs.
b)	200-4706.03-00000	Finger pull for Ø32	Yes	10 pcs.



1-270.01

all product details
on DIRAK.com

H-Dimension Adjustment

[2-151.02]

**Advantages**

- Suitable for all M10 square threaded rods.
- Tool-less adjustment for standard cams 1-102.
- Variable and easy adjustment with knurled wheel.
- 0.25mm of adjustment per click.
- Vibration-proof.
- Readjustment possible at any time (e.g. compressed sealing).
- For cams with and without stop.

Materials

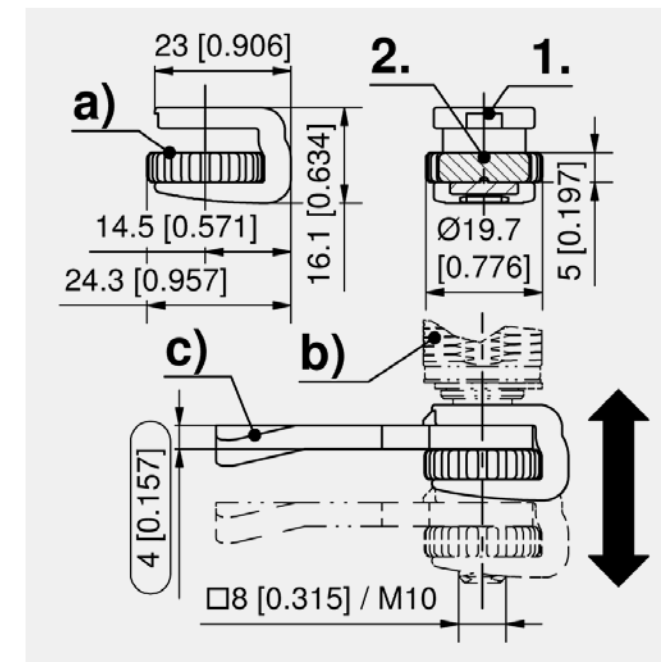
- **Catch:** PA, black
- **Knurled wheel:** zinc die, zinc plated

Remarks

- 1. recess for cams with stop
- 2. detent (6x)
- c) cams PS 1-102.01

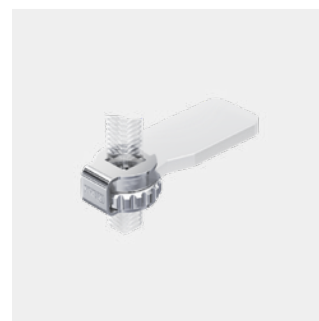
Catch with knurled wheel

	Part Number	Thread size	Installation type	Delivery Unit
a)	248-9901.00-00000	M10	tool-less	20 pcs.



H-Dimension Adjustment Stainless Steel

[7-077.02]

**Advantages**

- Suitable for all M10 square threaded rods.
- For tool-less adjustment of cams (with and without stop).
- Variable and easy adjustment with knurled wheel.
- 0.25mm of adjustment per click.
- Readjustment possible (e.g. compressed sealing).
- Vibration-proof.

Materials

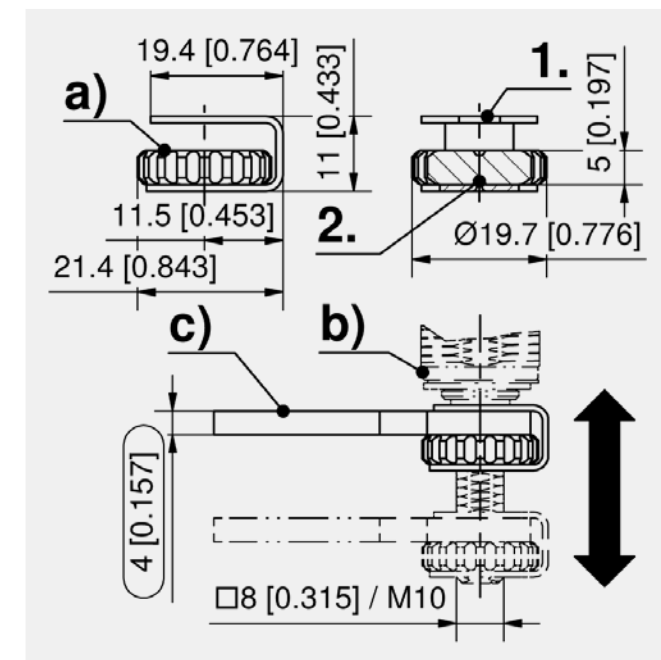
- **Catch:** AISI 301
- **Knurled wheel:** AISI 316

Remarks

- 1. recess for cams with stop
- 2. detent
- b) quarter-turn
- c) cams PS 7-105 and PS 7-105.01

Catch with knurled wheel

	Part Number	Thread size	Installation type	Delivery Unit
a)	248-9904.00-00000	M10	tool-less	1 pc.



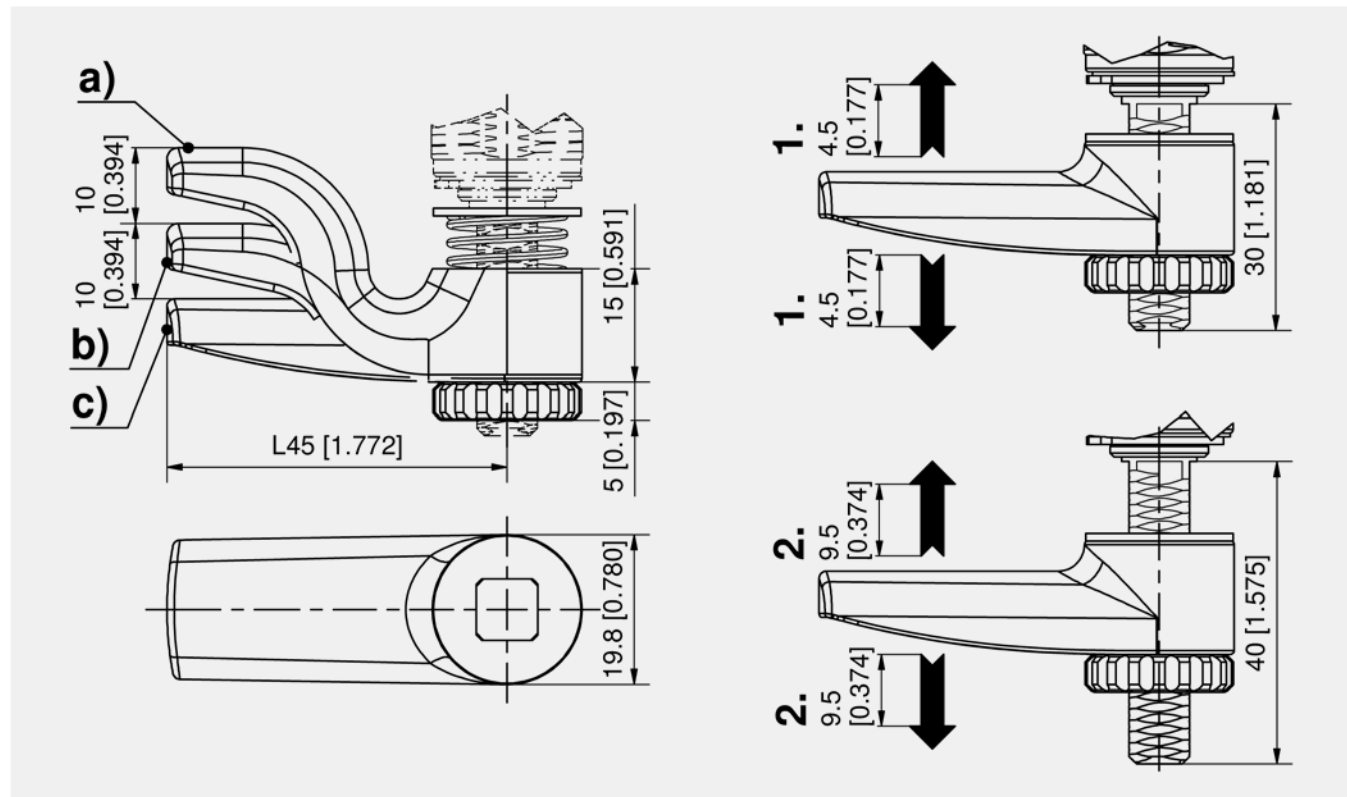


Cams Height Adjustable L45 Stainless Steel [7-077]



- Advantages**
 - For quarter-turns and compression quarter-turns with square threaded rod.
 - Seismic-proof according to GR-63-CORE, Issue 4.
 - Vibration-proof according to DIN EN 61373.
 - Tool-less adjustment.
 - Variable adjustments can easily be made using knurled wheel.
 - Adjustment range depending on the length of the square threaded rod.
 - Can be readjusted at any time (compressed sealing).
 - Each detent achieves 0.25mm adjustment.
- Materials**
 - **Cam and knurled wheel:** AISI 316, untreated
 - **Washer:** AISI 304, untreated
 - **Compression spring:** AISI 301, untreated
- Remarks**
 1. adjustment range of the cam with 30mm axis = 9mm
 2. adjustment range of the cam with 40mm axis = 19mm

Included in delivery: cam, knurled wheel, spring and washer



Height adjustable cams

	Part Number	variable H-dimension	Installation type	Delivery Unit
a)	100-9079.00-00002	20 - 29 mm	tool-less	10 pcs.
b)	100-9079.00-00001	30 - 39 mm	tool-less	10 pcs.
c)	100-9079.00-00000	40 - 49 mm	tool-less	10 pcs.

Quarter-Turns
Accessories

+

DIRAK

+

DIRAK

2-, 3- and 4-Point Cam Adapter [2-151]



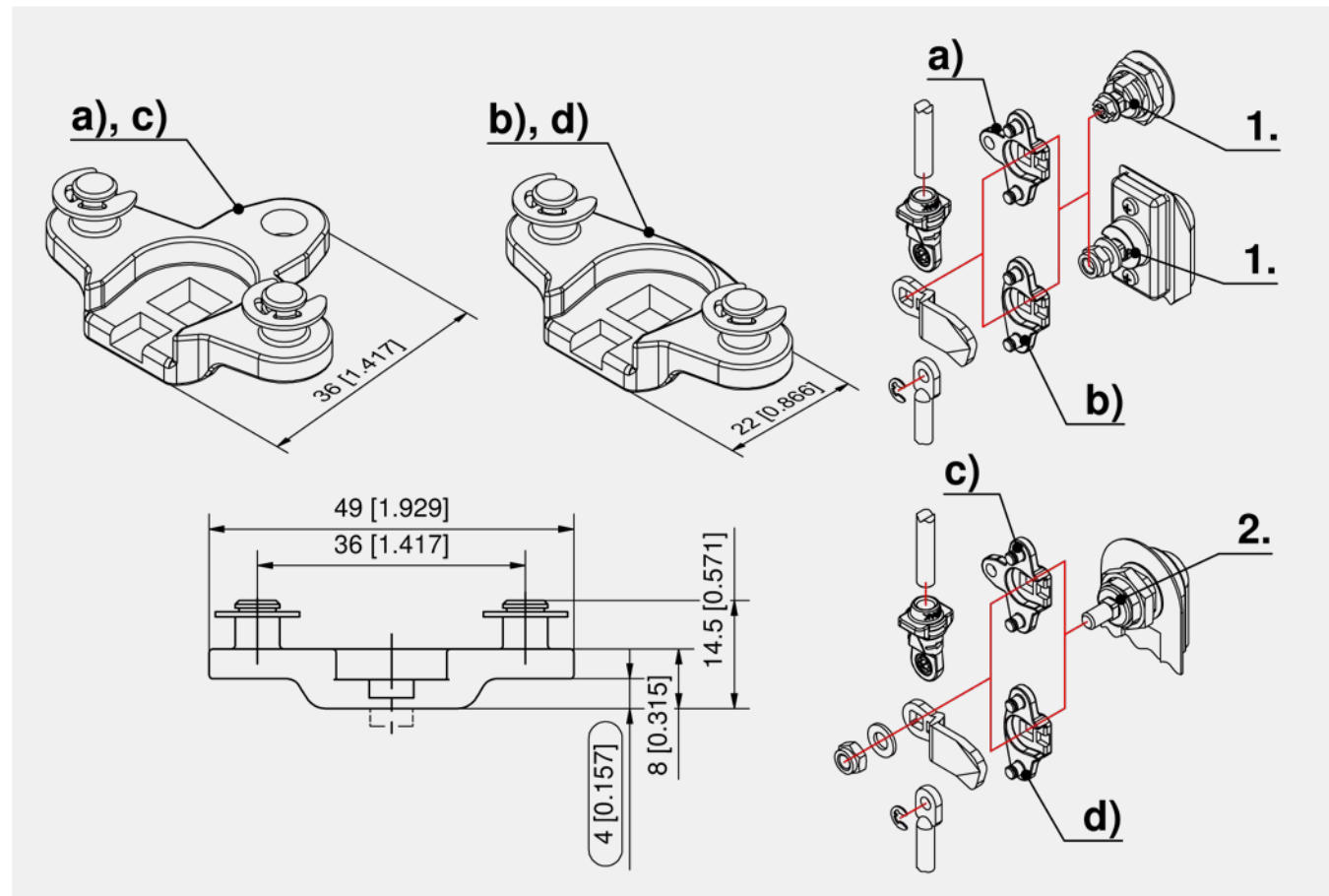
- Advantages**
 - 3-point cam adapter for cams of product system 1-102.
 - With and without 90° stop.
 - The raised rod stub is necessary for swinghandles, enabling the lower rod passing over the lower cap.
 - 4-Point cam adapter: with additional linkage.
 - For those applications, where beyond the standard 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. E.g. cam 200-0418 results in an H-dimension of 22mm.

Please pay attention to the screw length: screw should enter at least 6mm.

 1. with stop
 2. without stop



Adapter for 3-point cam

	Part Number	Stop	2-point locking	3-point locking	4-point locking	Installation type	Delivery Unit
a)	200-9595.00-00000	Yes	Yes	Yes	Yes	screw-on	1 pc.
b)	200-9596.00-00000	Yes	Yes	Yes	No	screw-on	1 pc.
c)	207-9595.00-00000	No	Yes	Yes	Yes	screw-on	1 pc.
d)	207-9596.00-00000	No	Yes	Yes	No	screw-on	1 pc.

+	Accessories
154, 292	1-102 Cams L35/45 Steel





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



Advantages

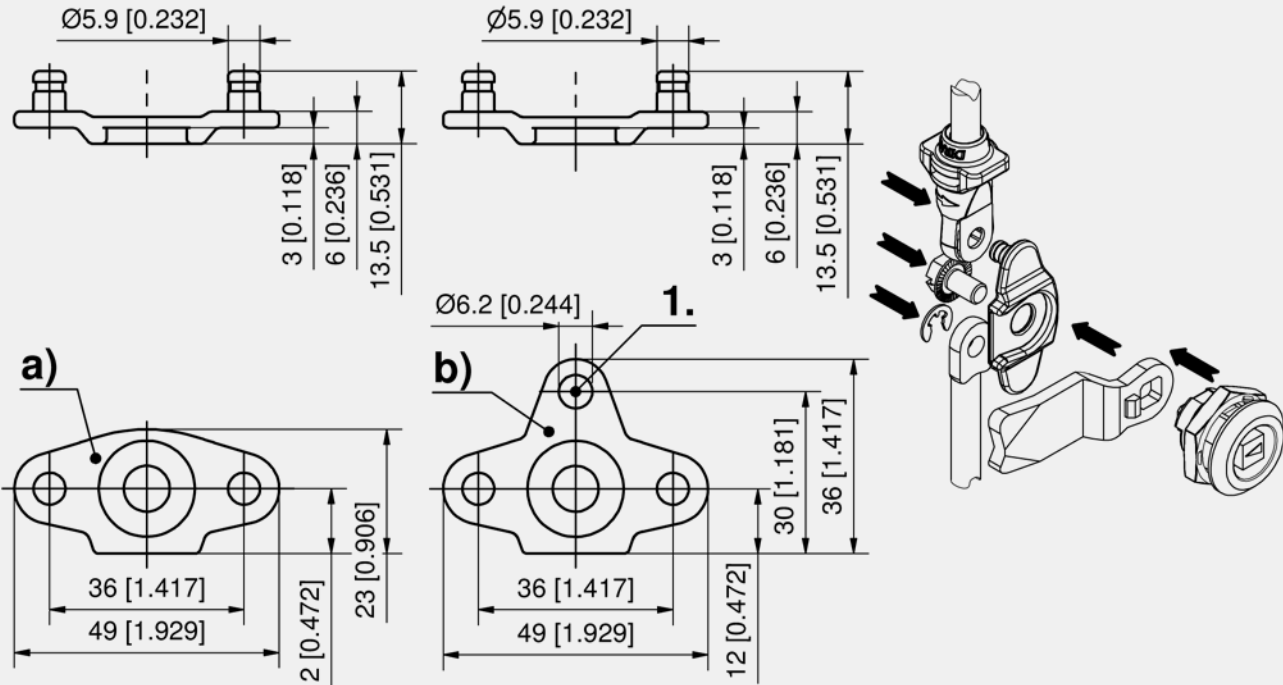
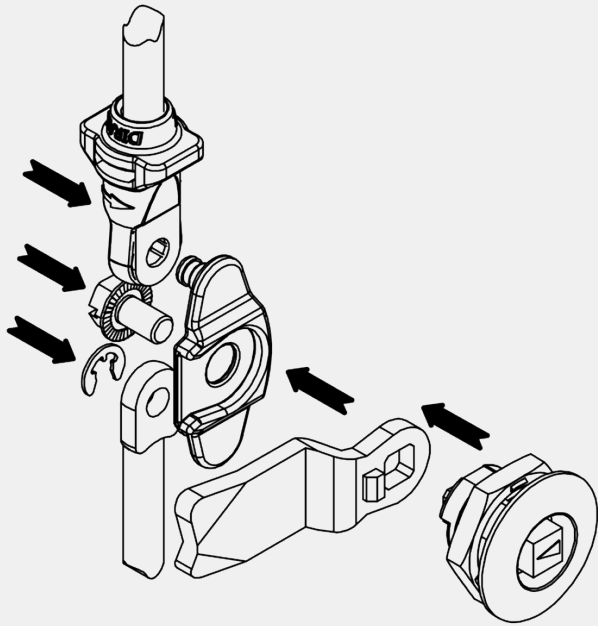
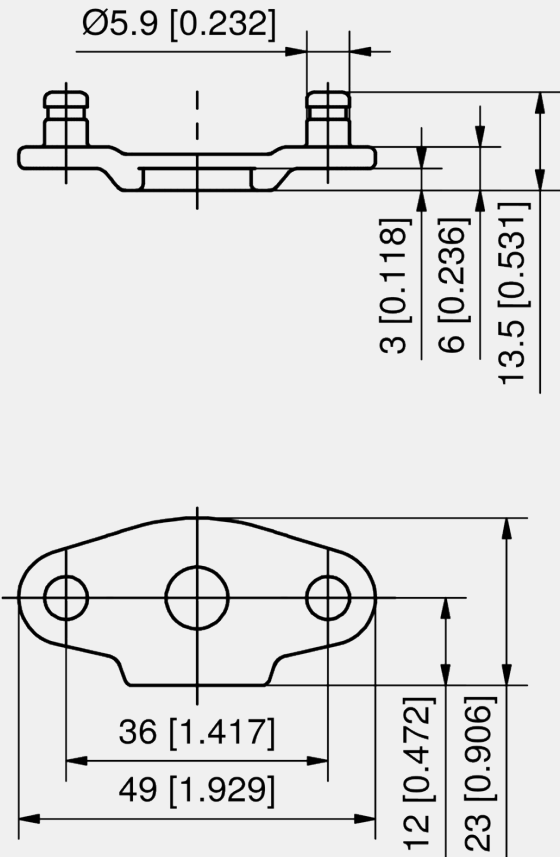
- For use in combination with standard cams see product system 1-102 and 7-080, used for 3- and 4-point latching applications.
- For 4-point application use additional link. For those applications, where beyond the standard control of 2 locking-rods, an additional rod can be used (e.g. controlling a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

Materials

- **Multipoint cam adapter:** AISI 304

Remarks

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



Cam adapter

Part Number	3-point locking	Installation type	Delivery Unit
207-9589.00-00000	Yes	screw-on	1 pc.

Cam adapter

	Part Number	3-point locking	4-point locking	Installation type	Delivery Unit
a)	207-9590.00-00000	Yes	No	screw-on	1 pc.
b)	207-9592.00-00000	Yes	Yes	screw-on	1 pc.





3-Point Adapter with H-Dimension Adjustment [2-151.01]



Advantages

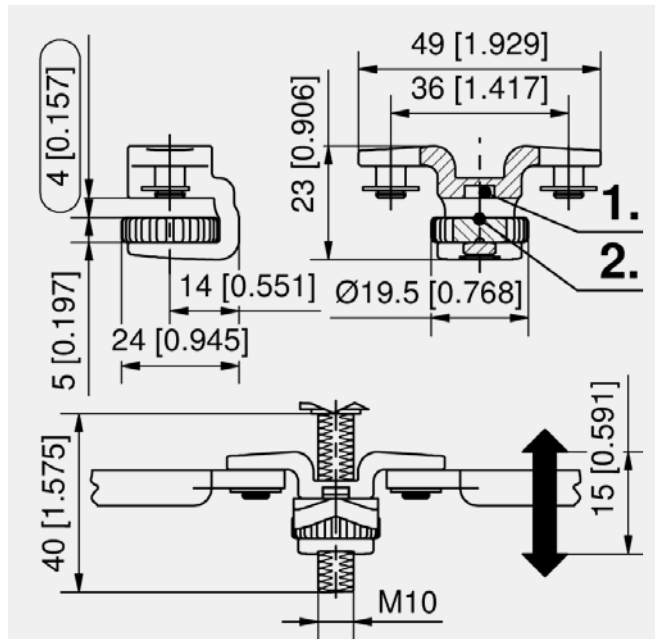
- 3-point cam adapter for cams Pr20.1, tool-less adjustable.
- RH/ LH application.
- Axial adjustable.
- Usable with standard cams.
- Readjustable at any time.
- 3-point locking system.
- Knurled wheel with thread M10.

Materials

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

Remarks

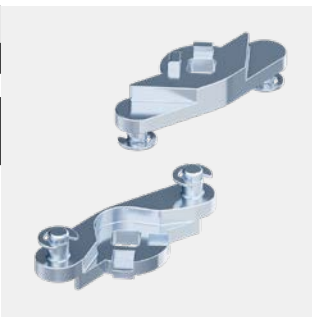
- Incl. 2 c-clips
1. recess for cams with stop
 2. detent



Cam adapter

Part Number	Version	3-point locking	Installation type	Delivery Unit
200-9632.00-00000	knurled wheel M10	Yes	tool-less	1 pc.

3-Point Cam Adapter 45° Zinc Die [2-151.03]



Advantages

- 3-point cam adapter with stop made of zinc die.

Materials

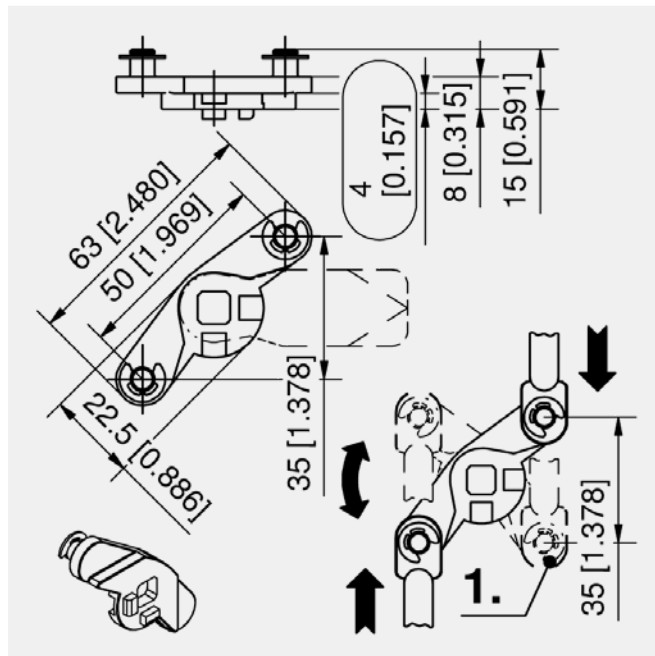
- **3-point cam adapter:** zinc die, zinc plated
- **Locking washer:** steel, zinc plated

Anmerkungen

All cams of product system 1-102 can be applied.

Note: H-dimension of cam increases by 4mm. E.g. cam 200-0418 results in a H-dimension of 22mm. See product system 2-151.

1. stroke 35mm



Cam adapter

Part Number	Stop	2-point locking	3-point locking	Delivery Unit
200-9594.00-00000	Yes	Yes	Yes	1 pc.

* Function extension
179, 283 1-170 Round Rods with Eye



all product details
on DIRAK.com

Round Rods with Eye [1-170]



Advantages

- Round rods in standard length and variable lengths with pressed eye.
- With a flat end.
- With chamfered end.
- Version c) for 3-point cams.
- Version d) for rod latches.
- With rollers, dimension L up to top of roller.

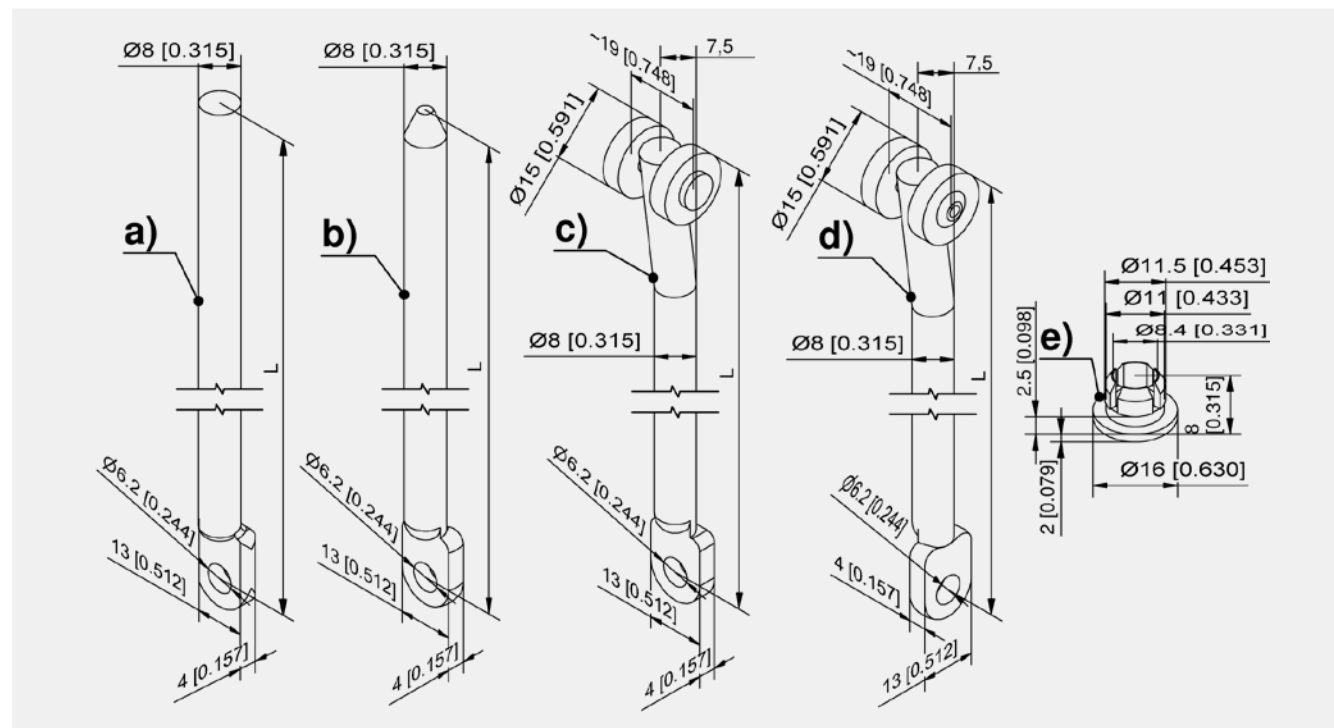
Materials

- **Round rods:** steel, zinc plated

Remarks

Round rods in standard length: from stock.

Bushing d) only suitable for round rod a) and b)



Round rods Ø 8mm

	Part Number	Version	Length	variable length	Delivery Unit
a)	201-0102.00-00000	with eye	400 mm		1 pc.
a)	201-0103.00-00000	with eye	500 mm		1 pc.
a)	201-0104.00-00000	with eye	600 mm		1 pc.
a)	201-0105.00-00000	with eye	700 mm		1 pc.
a)	201-0106.00-00000	with eye	800 mm		1 pc.
a)	201-0107.00-00000	with eye	900 mm		1 pc.
a)	201-0108.00-00000	with eye	1000 mm		1 pc.
a)	201-0109.00-00000	with eye	1100 mm		1 pc.
a)	201-0110.00-00000	with eye	1200 mm		1 pc.
a)	201-0112.00-Lxxmm	with eye		Yes	on request
b)	201-0111.00-Lxxmm	with eye and chamfered end		Yes	on request
c)	201-9006.00-Lxxmm	with eye and rollers		Yes	on request
d)	201-9021.00-Lxxmm	with eye and rollers, eye parallel to the roller		Yes	on request

+ Accessories
e) 203-0605.03-00000 Bushing Ø8



all product details
on DIRAK.com

Advantages

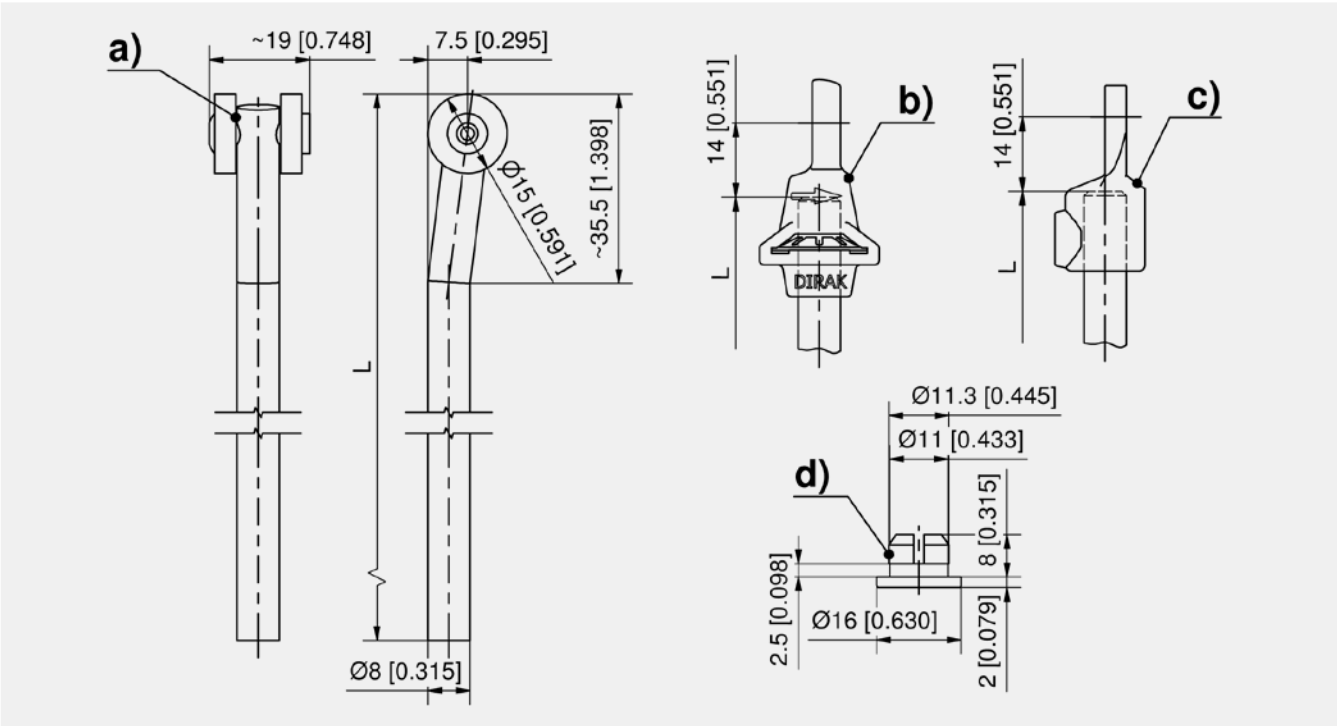
- Round rods in standard length and variable lengths for adapter.
- With rollers, dimension L up to top of roller.

Materials

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

Remarks

Round rods in standard lengths: from stock



Round rods with rollers Ø 8mm

	Part Number	Length	variable length	Delivery Unit
a)	201-9001.00-00000	400 mm		1 pc.
a)	201-9020.00-00500	500 mm		1 pc.
a)	201-9002.00-00000	600 mm		1 pc.
a)	201-9020.00-00700	700 mm		1 pc.
a)	201-9003.00-00000	800 mm		1 pc.
a)	201-9020.00-00900	900 mm		1 pc.
a)	201-9004.00-00000	1000 mm		1 pc.
a)	201-9020.00-01100	1100 mm		1 pc.
a)	201-9005.00-00000	1200 mm		1 pc.
a)	201-9020.00-Lxxmm		Yes	on request

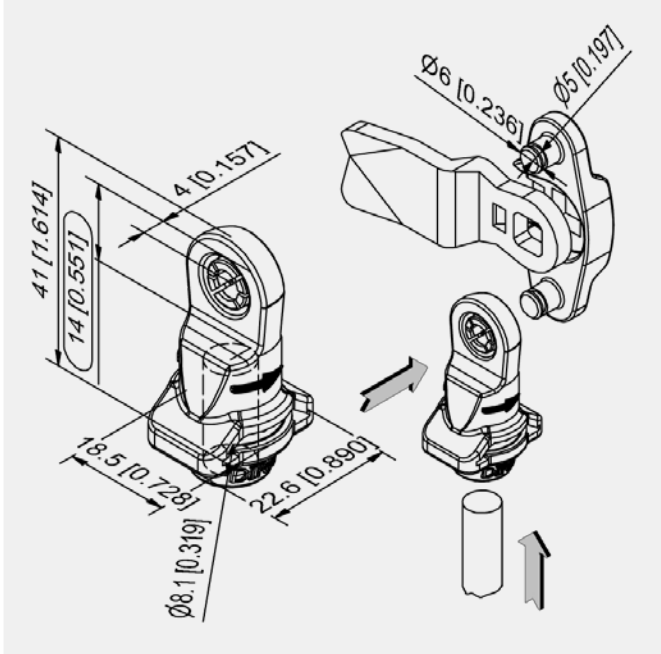
+	Accessories
b)	181, 285 1-181 Adapter for Round Rods Ø8mm PA
c)	181, 285 1-181.01 Adapter for Round Rods Ø8mm / Ø10mm Zinc Die
d)	203-0605.03-00000 Bushing Ø8

Advantages

- Tool-less installation.
- For 3-point cam adapter and 3-point cam.
- Rattle-free fastening.
- The rod is simply and non-detachably pressed into the adapter.
- No c-clips can be lost.
- For 90° rotation.

Materials

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



Adapter for round rods

Part Number	Rod diameter Ø	quick-fit	Installation type	Delivery Unit
200-9621.00-00000	8 mm	Yes	tool-less	1 pc.

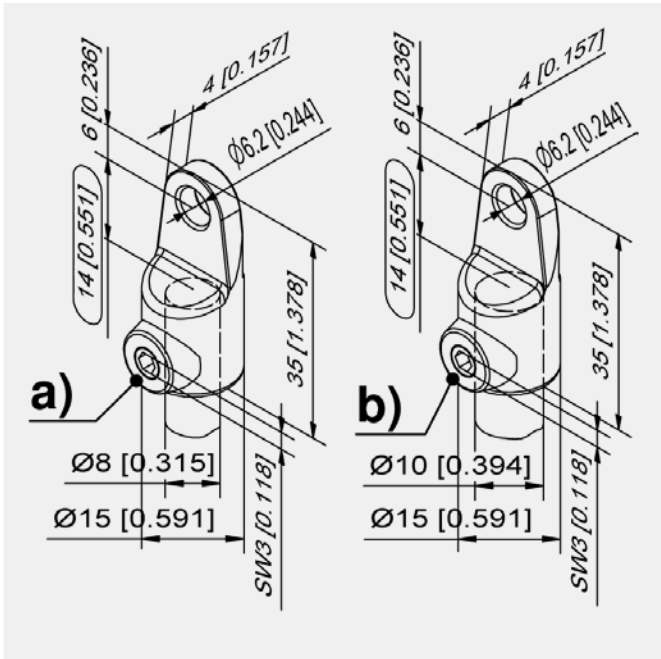
Adapter for Round Rods Ø8mm / Ø10mm Zinc Die

Advantages

- For 3-point cam adapter and 3-point cams.
- Fastening of the round rod by set screw.
- The adapter is fixed with a c-clip to the 3-point cam adapter or 3-point cam.
- For 90° rotation.

Materials

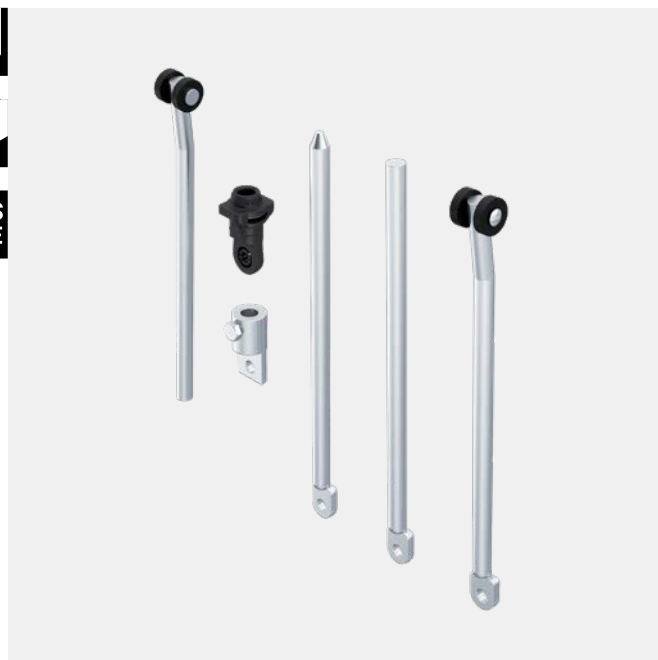
- **Adapter:** zinc die
- **Set screw:** steel, zinc plated



Adapter for round rods

	Part Number	Rod diameter Ø	Installation type	Delivery Unit
a)	200-9601.00-00000	8 mm	screw-on	1 pc.
b)	200-9604.00-00000	10 mm	screw-on	50 pcs.



**Advantages**

- Round rods with standard or customized lengths, different versions.

Materials

- Round rods and rivet: AISI 304

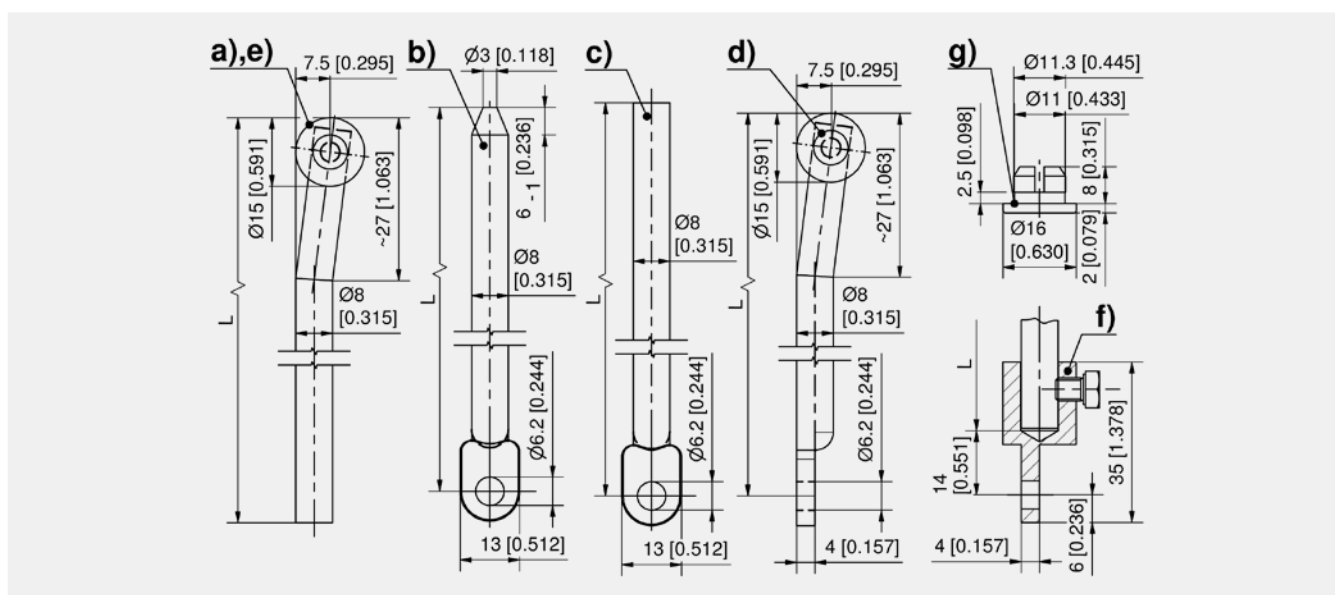
- Rollers: PA, black

Remarks

Order example for round rods with eye and rollers, length L=840mm: 201-9026.00-00840

Bushing g) only for round rods a), b), c) and e)

Attention: dimension L measured to top of roller!



Round rods with rollers Ø 8mm for adapter

	Part Number	Length	Delivery Unit
a)	201-9010.00-00000	600 mm	1 pc.
a)	201-9011.00-00000	700 mm	1 pc.
a)	201-9012.00-00000	800 mm	1 pc.
a)	201-9013.00-00000	900 mm	1 pc.
a)	201-9014.00-00000	1000 mm	1 pc.
a)	201-9015.00-00000	1100 mm	1 pc.
a)	201-9016.00-00000	1200 mm	1 pc.

Round rods Ø 8mm, variable length

	Part Number	Version	Delivery Unit
b)	201-0111.04-Lxxmm	with eye and chamfered end	on request
c)	201-0112.04-Lxxmm	with eye and flat end	on request
d)	201-9026.00-Lxxmm	with eye and rollers	on request
e)	201-9037.00-Lxxmm	with rollers, for adapter	on request

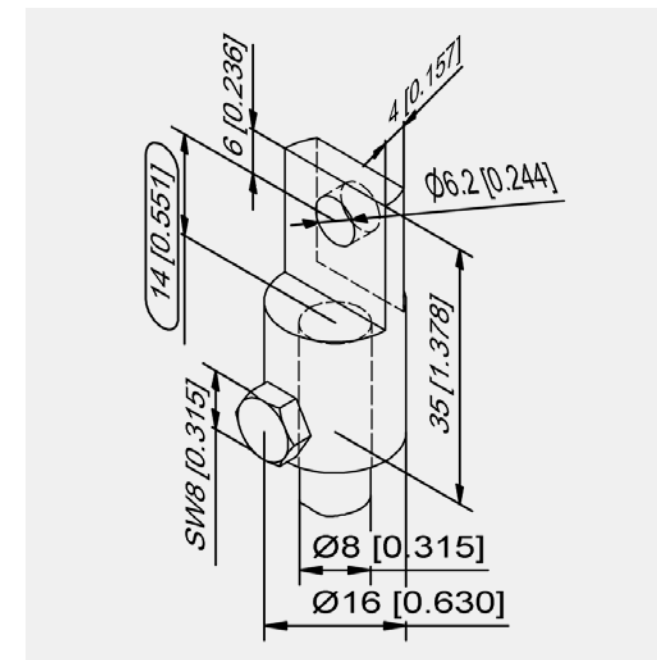
	Accessories
f)	183, 287 200-9603.00-00000 Adapter for Round Rods Ø8mm Stainless Steel
g)	203-0605.03-00000 Bushing Ø8
	181, 285 200-9621.00-00000 Adapter for Round Rods Ø8mm PA

**Advantages**

- For 3-point cam adapter and 3-point cams.
- Fastening of the round rod by set screw.
- The adapter is fixed with a c-clip to the 3-point cam adapter or 3-point cam.
- For 90° rotation.

Materials

Adapter: AISI 303



Adapter for round rods Ø 8mm

Part Number	Fastening type	Delivery Unit
200-9603.00-00000	screw-on	1 pc.

Rod Guide RS Height Adjustable Stainless Steel

**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).

Materials

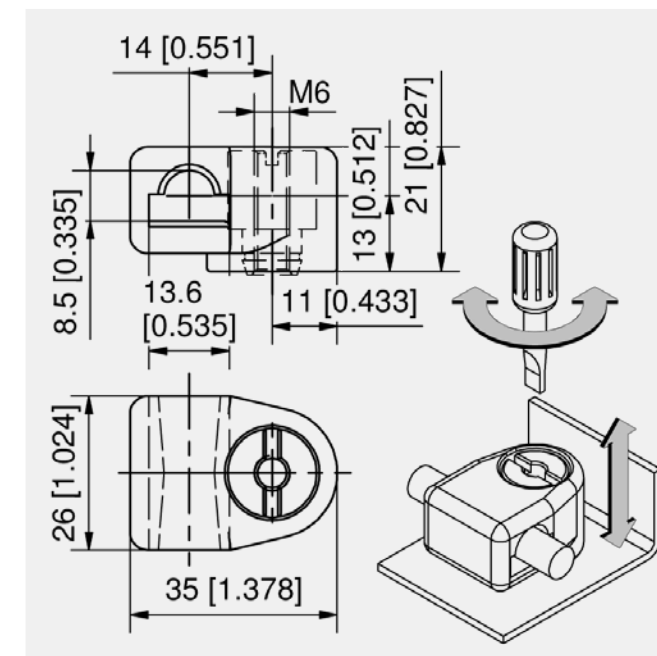
- Rod guide: AISI 316
- Adjusting screw: AISI 303
- C-clip and wave washer: stainless steel

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

More information see product system 1-192.



Rod guide

Part Number	Height adjustable	Adjustment range	Installation type	Delivery Unit
200-9623.00-00000	Yes	max. + 5 mm	screw-on	1 pc.





Advantages

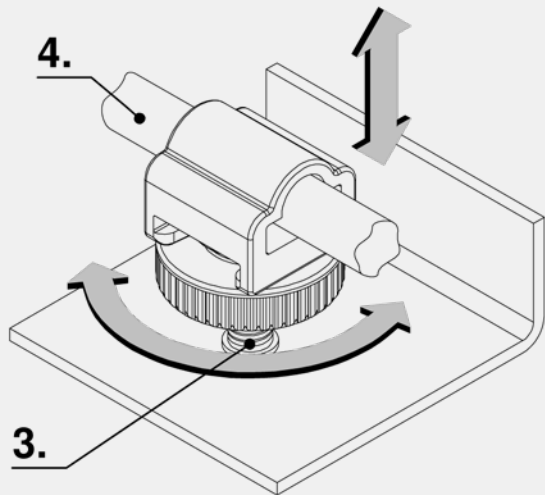
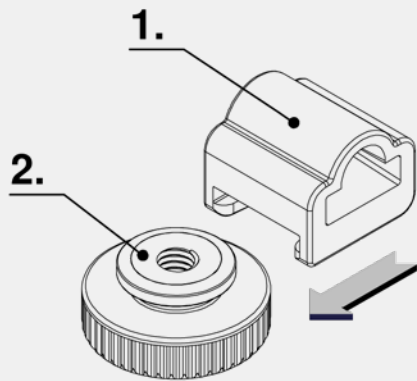
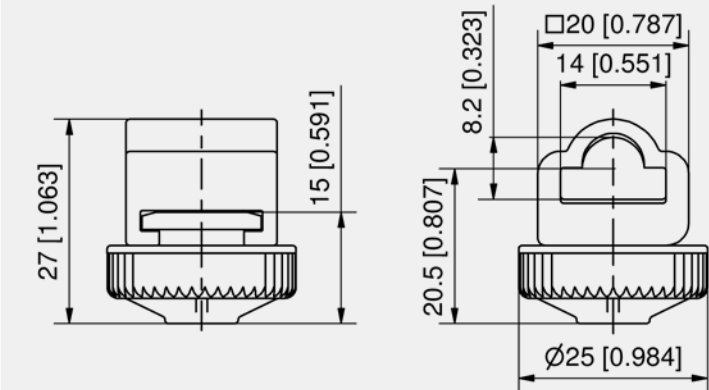
- Rod guide is pushed onto the knurled nut and can be installed therefore pre-assembled.
- Tool-less adjustment with knurled nut.
- Readjustment possible at any time.
- Dismantling of the rod for height adjustment not necessary.
- Usable for studs M6 from 14 to 21mm.
- Adjustment range up to max. 8mm.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

Materials

- Rod guide and knurled nut: PA, black

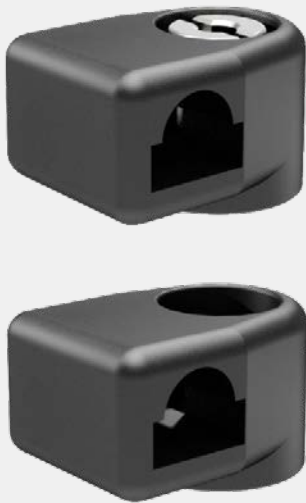
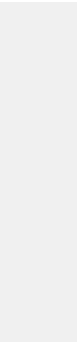
Remarks

1. rod guide
2. knurled nut
3. stud
4. round rod



Rod guide

Part Number	Height adjustable	Adjustment range	Installation type	Delivery Unit
200-9633.00-00000	Yes	max. 8 mm	tool-less	10 pcs.



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 2mm).
- 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.

Materials

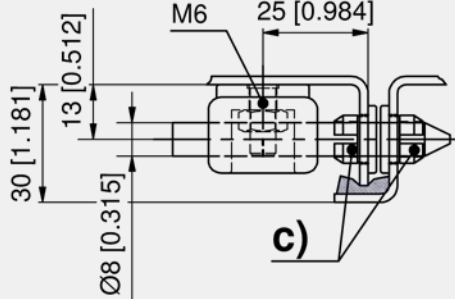
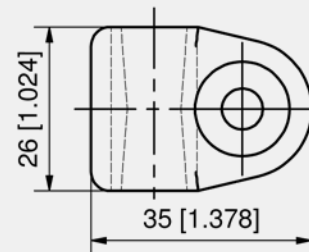
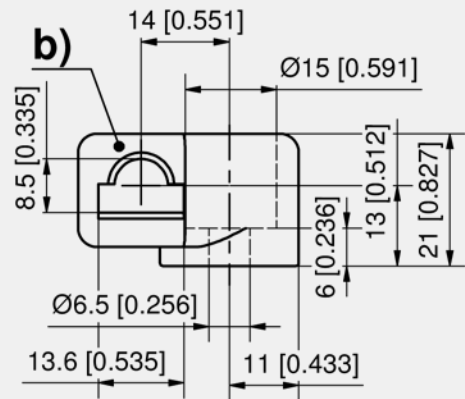
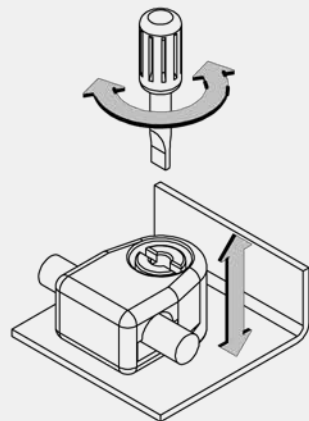
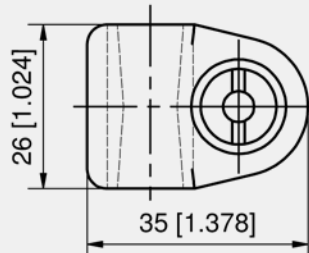
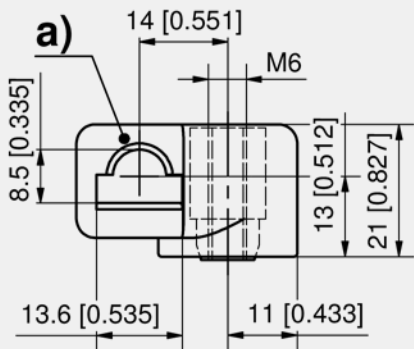
- Rod guide: PA, black
- Adjusting Sleeve: steel, zinc plated
- Snap ring: stainless steel

Remarks

Adjustment depending on the lenght of the weld stud:

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

Stainless steel version see product system 7-912.



Rod guide

	Part Number	Height adjustable	Adjustment range	Installation type	Delivery Unit
a)	200-9615.00-00000	Yes	max. + 5 mm	screw-on	1 pc.
b)	200-3606.03-00000			screw-on	1 pc.

Accessories
c) 203-0605.03-00000 Bushing Ø8





Advantages

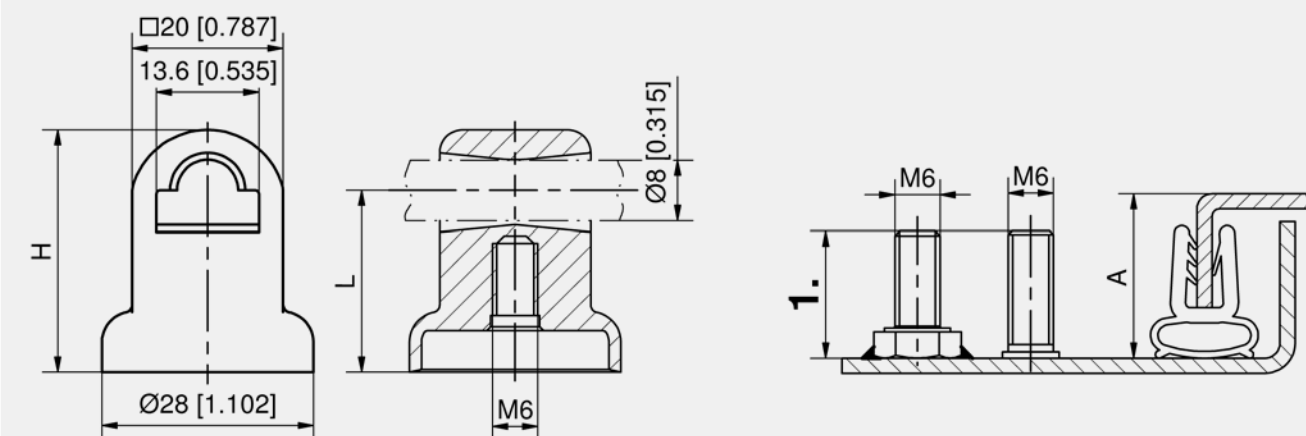
- With molded thread.
- Screwed onto a weld stud or weld-on screw.
- The round shape of the hole allows free swivelling even with very short rods.

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 guides

Part Number	Height H	A = bending	L	Installation type	Delivery Unit
200-3623.51-00000	32 mm	A20	24 mm	screw-on	1 pc.
200-3624.51-00000	36 mm	A24	28 mm	screw-on	1 pc.
200-3625.51-00000	38 mm	A26	30 mm	screw-on	1 pc.
200-3626.51-00000	40 mm	A28	32 mm	screw-on	1 pc.



Advantages

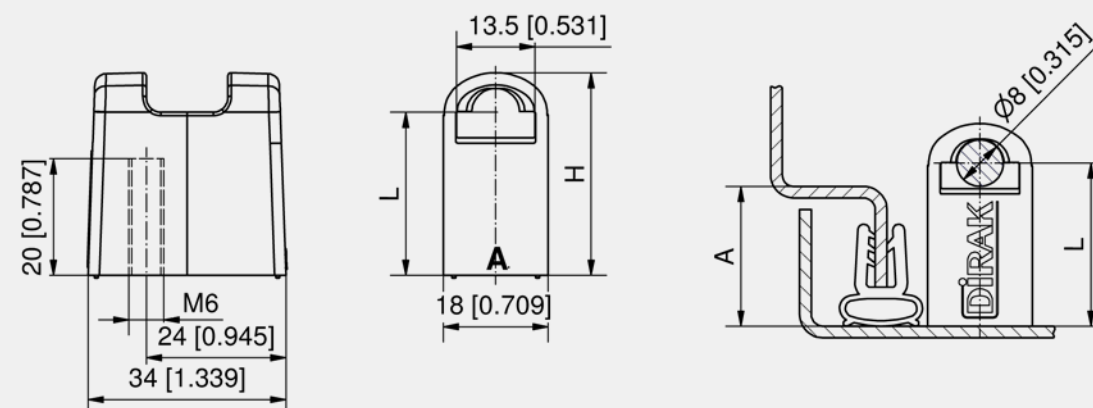
- For 8mm round rods for installation without tools on weld-stud M6x20mm.
- The rod guide has to be placed over the weld stud and then pushed onto the thread until a "click" is audible. It is locked now in the final position.
- Visual inspection possible from above through openings.
- The rod guide can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

Materials

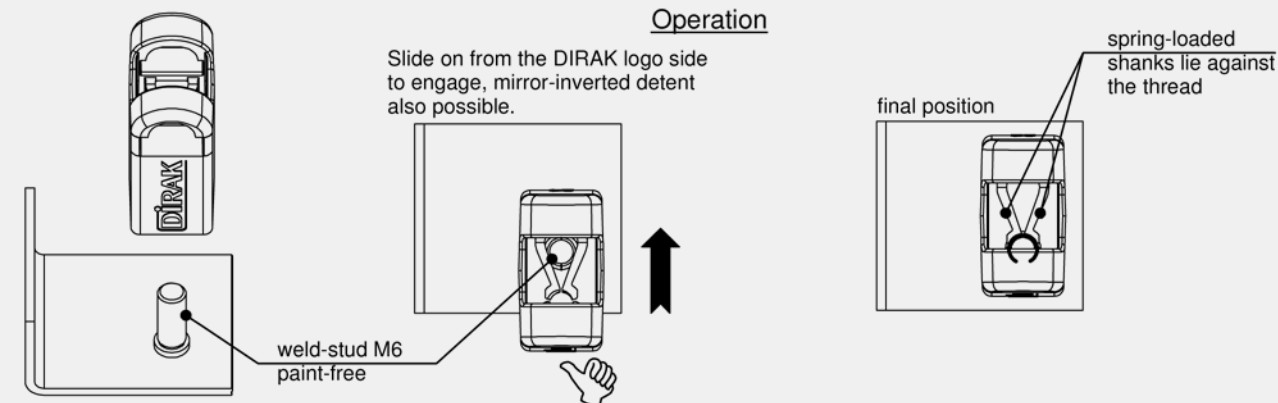
- Rod guide: PA6, black

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.
- The rod guide must be installed as shown in the figure.



Operation



Rod guides

Part Number	Height H	A = bending	L	Installation type	Delivery Unit
200-3616.54-00000	35 mm	A24	28 mm	tool-less	1 pc.
200-3617.54-00000	37 mm	A26	30 mm	tool-less	1 pc.
200-3618.54-00000	39 mm	A28	32 mm	tool-less	1 pc.

