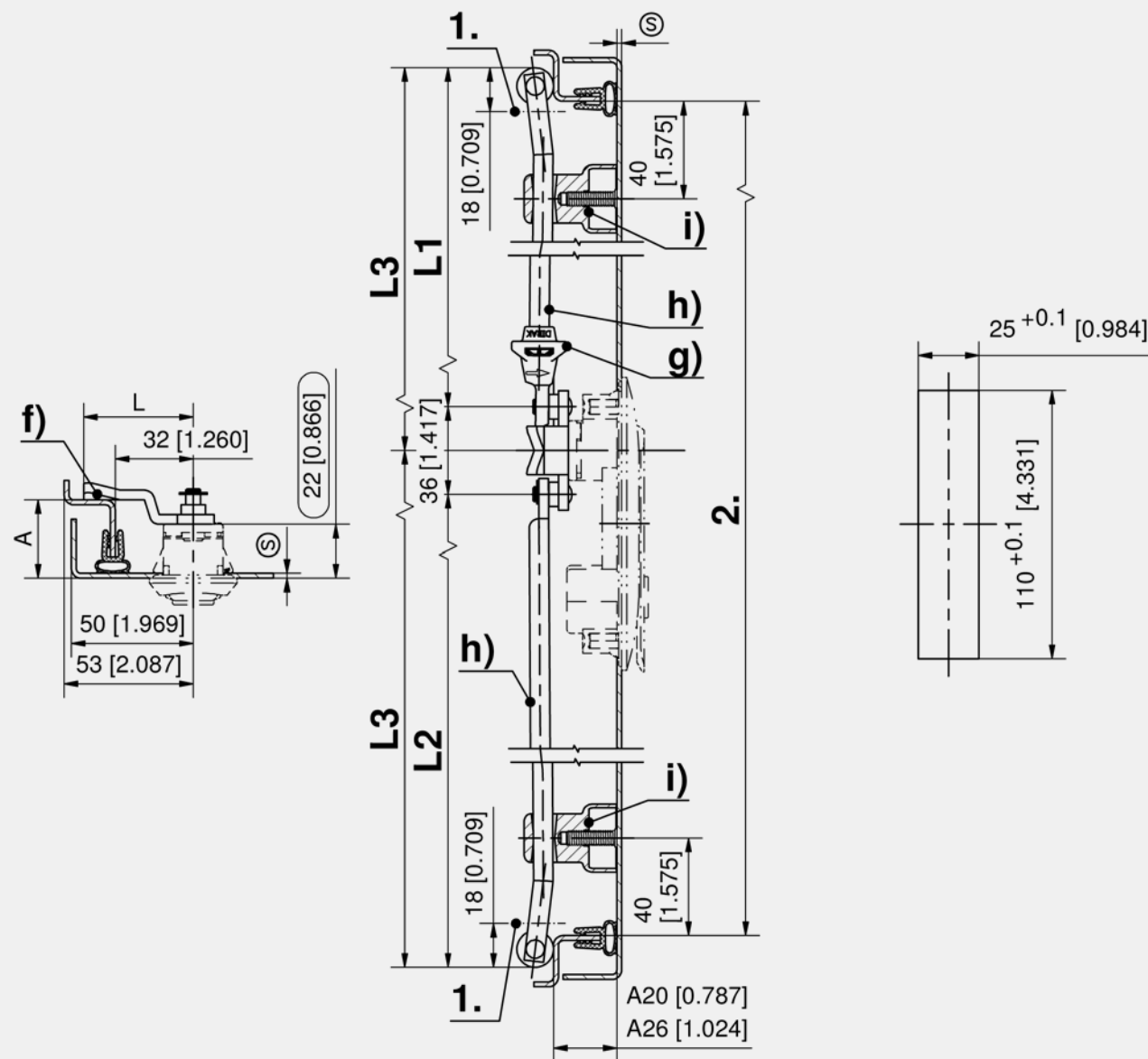


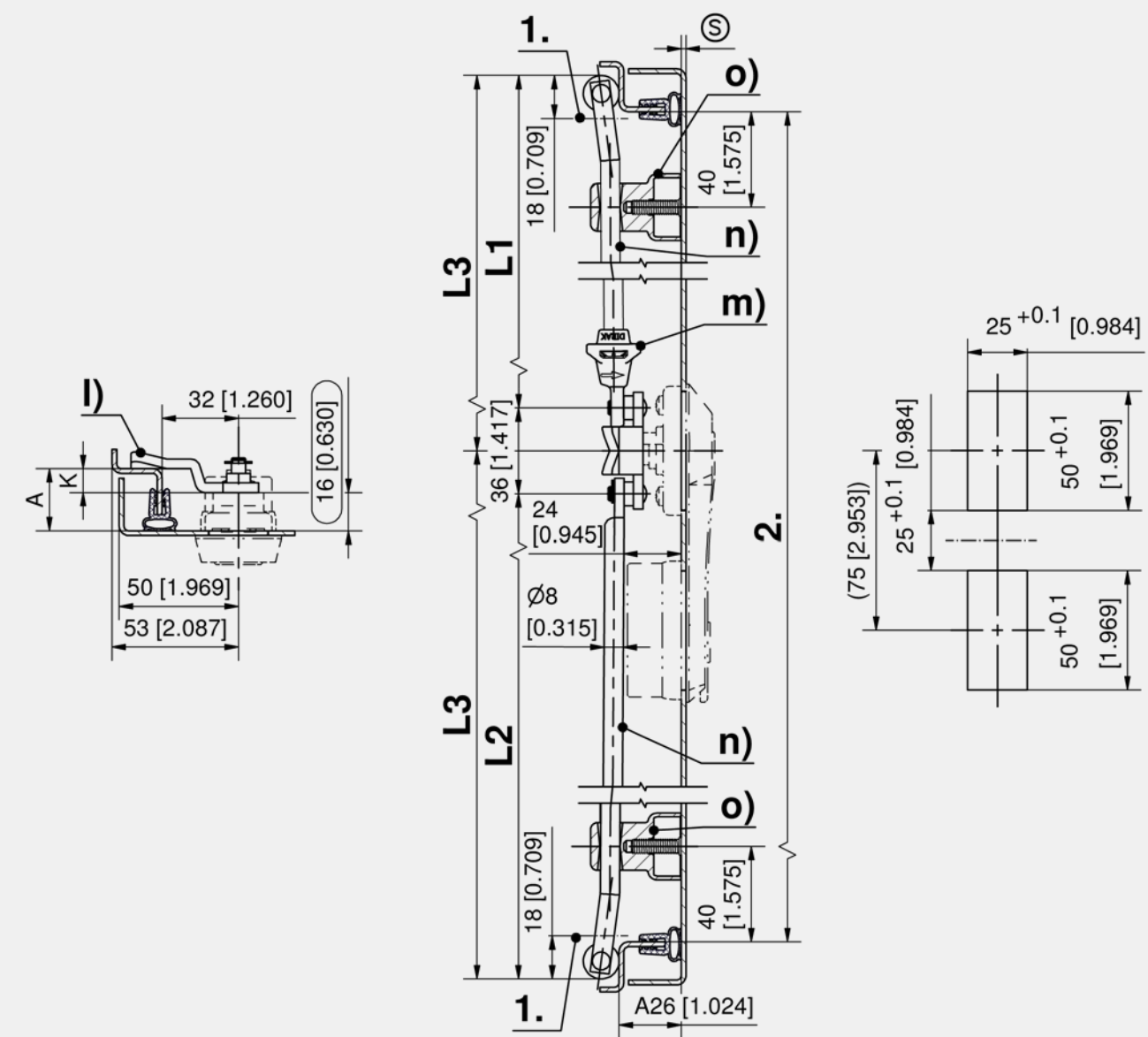


Formula for rods with eye and rollers:
cutout in the door center (rod length varies)

$$L1 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]} - 30 \text{ mm} [1.181] \quad L2 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]} + 30 \text{ mm} [1.181]$$

cutout outside the door center (rod length equal)

$$L3 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]}$$



Formula for rods with eye and rollers:
cutout in the door center (rod length varies)

$$L1 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]} - 38 \text{ mm} [1.496] \quad L2 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]} + 38 \text{ mm} [1.496]$$

cutout outside the door center (rod length equal)

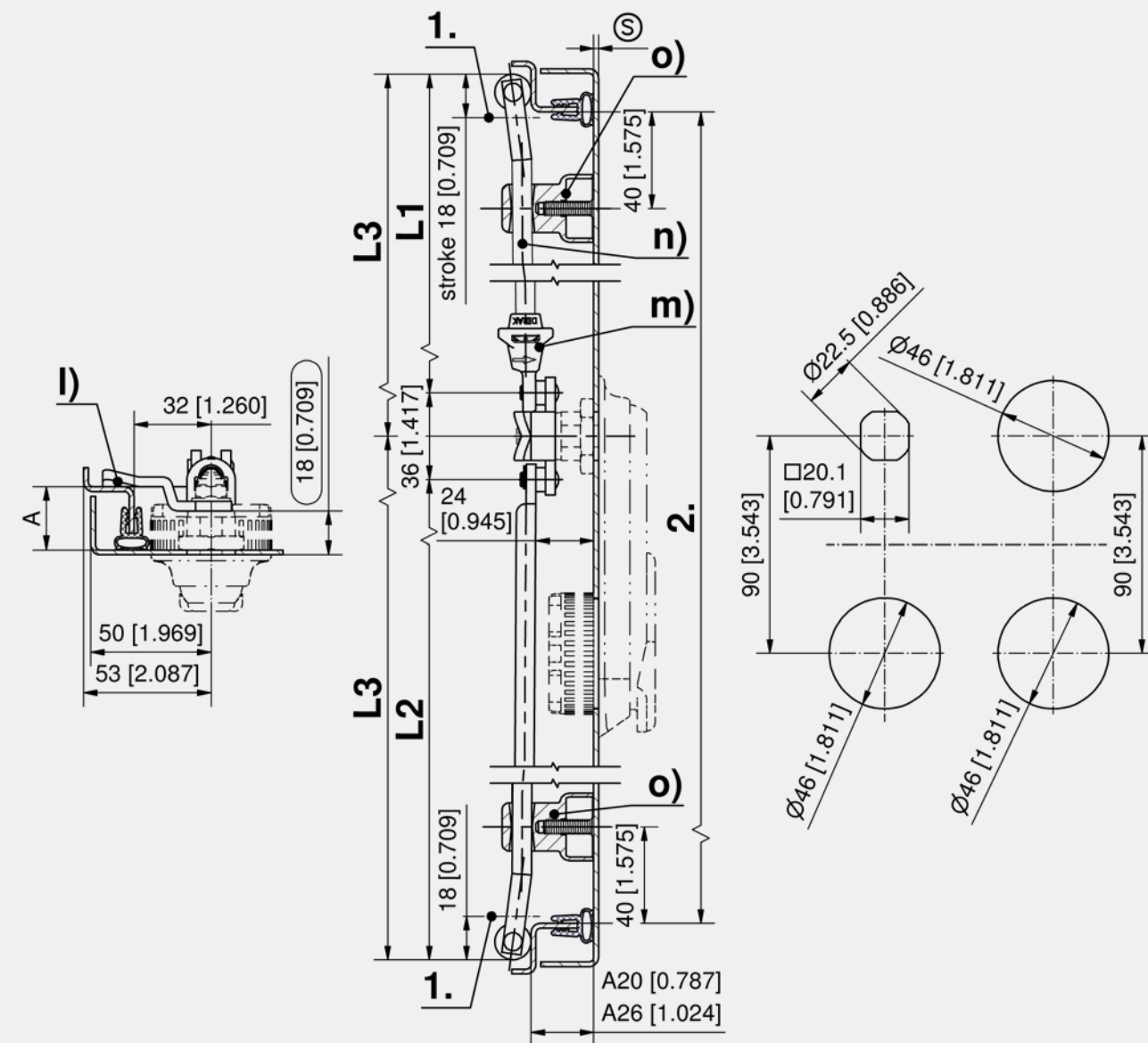
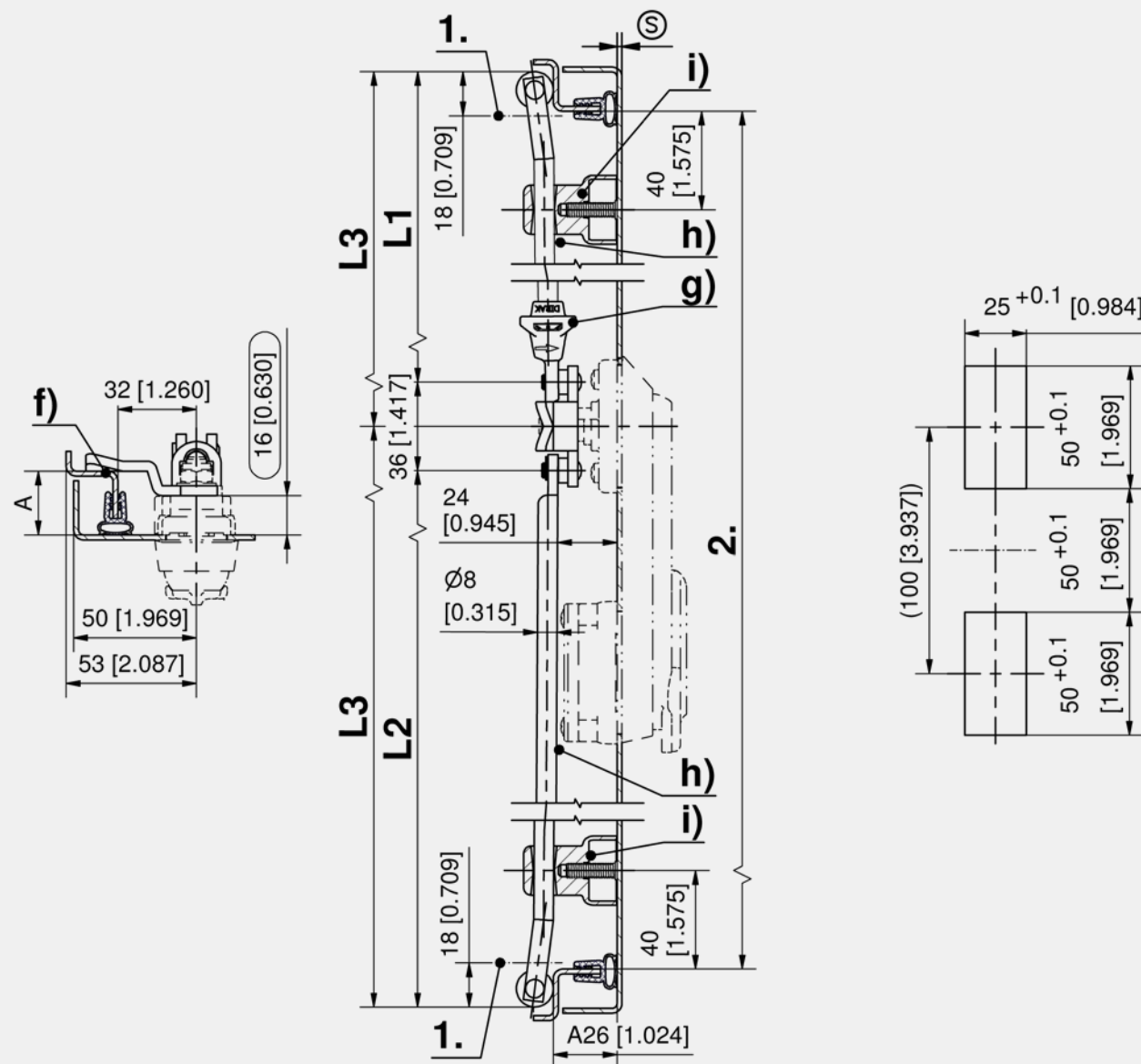
$$L3 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]}$$

+	Accessories
f)	154, 292 1-102 Cams L35/45 steel
f)	165 1-105 Roller Cam height adjustable
f)	294 2-150 3-Point Cam
f)	175, 295 2-151 2-, 3- and 4-Point Cam Adapter
f)	176, 296 2-151.04 3-Point Cam Adapter
g)	181, 285 1-181 Adapter PA for Round Rods
g)	181, 285 1-181.01 Adapter for Round Rods

+	Accessories
h)	179, 283 1-170 Round Rod with Eye
h)	180, 284 1-180 Round Rods for Adapter
i)	186, 290 1-190 Rod Guides for 8mm Round Rods
i)	184, 288 1-191 Height-adjustable Rod Guide with Knurled Nut
i)	185, 289 1-192 Rod Guides
i)	187, 291 1-193 Rod Guide RS

+	Accessories
i)	154, 292 1-102 Cams L35/45 steel
i)	165 1-105 Roller Cam height adjustable
i)	294 2-150 3-Point Cam
i)	175, 295 2-151 2-, 3- and 4-Point Cam Adapter
i)	176, 296 2-151.04 3-Point Cam Adapter
m)	181, 285 1-181 Adapter PA for Round Rods
m)	181, 285 1-181.01 Adapter for Round Rods

+	Accessories
n)	179, 283 1-170 Round Rod with Eye
n)	180, 284 1-180 Round Rods for Adapter
o)	186, 290 1-190 Rod Guides for 8mm Round Rods
o)	184, 288 1-191 Height-adjustable Rod Guide with Knurled Nut
o)	185, 289 1-192 Rod Guides
o)	187, 291 1-193 Rod Guide RS



Formula for rods with eye and rollers:
cutout in the door center (rod length varies)

$$L1 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]} - 50 \text{ mm} [1.969] \quad L2 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]} + 50 \text{ mm} [1.969]$$

cutout outside the door center (rod length equal)

$$L3 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]}$$

Formula for rods with eye and rollers:
cutout in the door center (rod length varies)

$$L1 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]} - 45 \text{ mm} [1.772] \quad L2 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]} + 45 \text{ mm} [1.772]$$

cutout outside the door center (rod length equal)

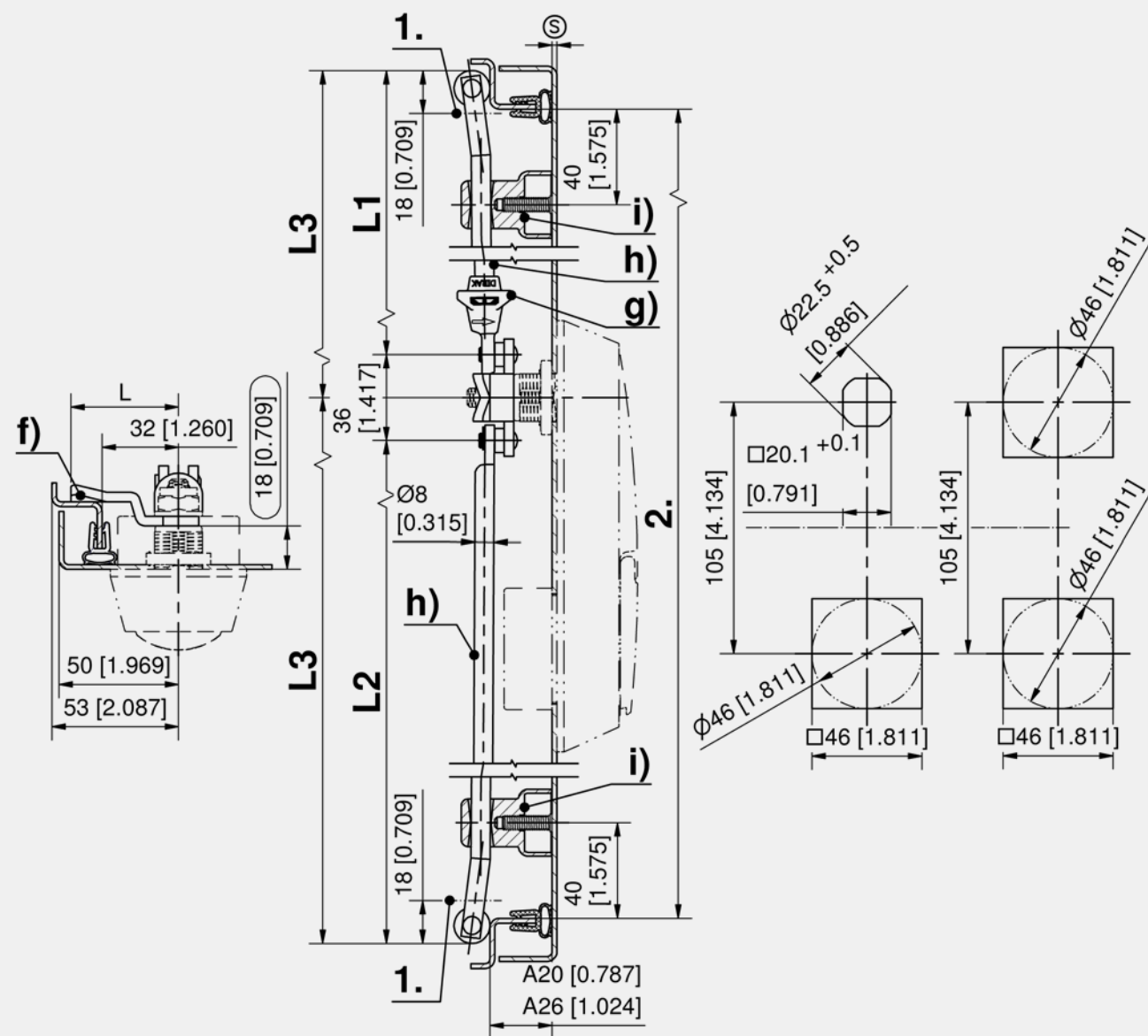
$$L3 = \frac{2 \cdot \text{clearance-12mm}[0.472]}{2 [0.079]}$$

+	Accessories
f)	154, 292 1-102 Cams L35/45 steel
f)	165 1-105 Roller Cam height adjustable
f)	294 2-150 3-Point Cam
f)	175, 295 2-151 2-, 3- and 4-Point Cam Adapter
f)	176, 296 2-151.04 3-Point Cam Adapter
g)	181, 285 1-181 Adapter PA for Round Rods
g)	181, 285 1-181.01 Adapter for Round Rods

+	Accessories
h)	179, 283 1-170 Round Rod with Eye
h)	180, 284 1-180 Round Rods for Adapter
i)	186, 290 1-190 Rod Guides for 8mm Round Rods
i)	184, 288 1-191 Height-adjustable Rod Guide with Knurled Nut
i)	185, 289 1-192 Rod Guides
i)	187, 291 1-193 Rod Guide RS

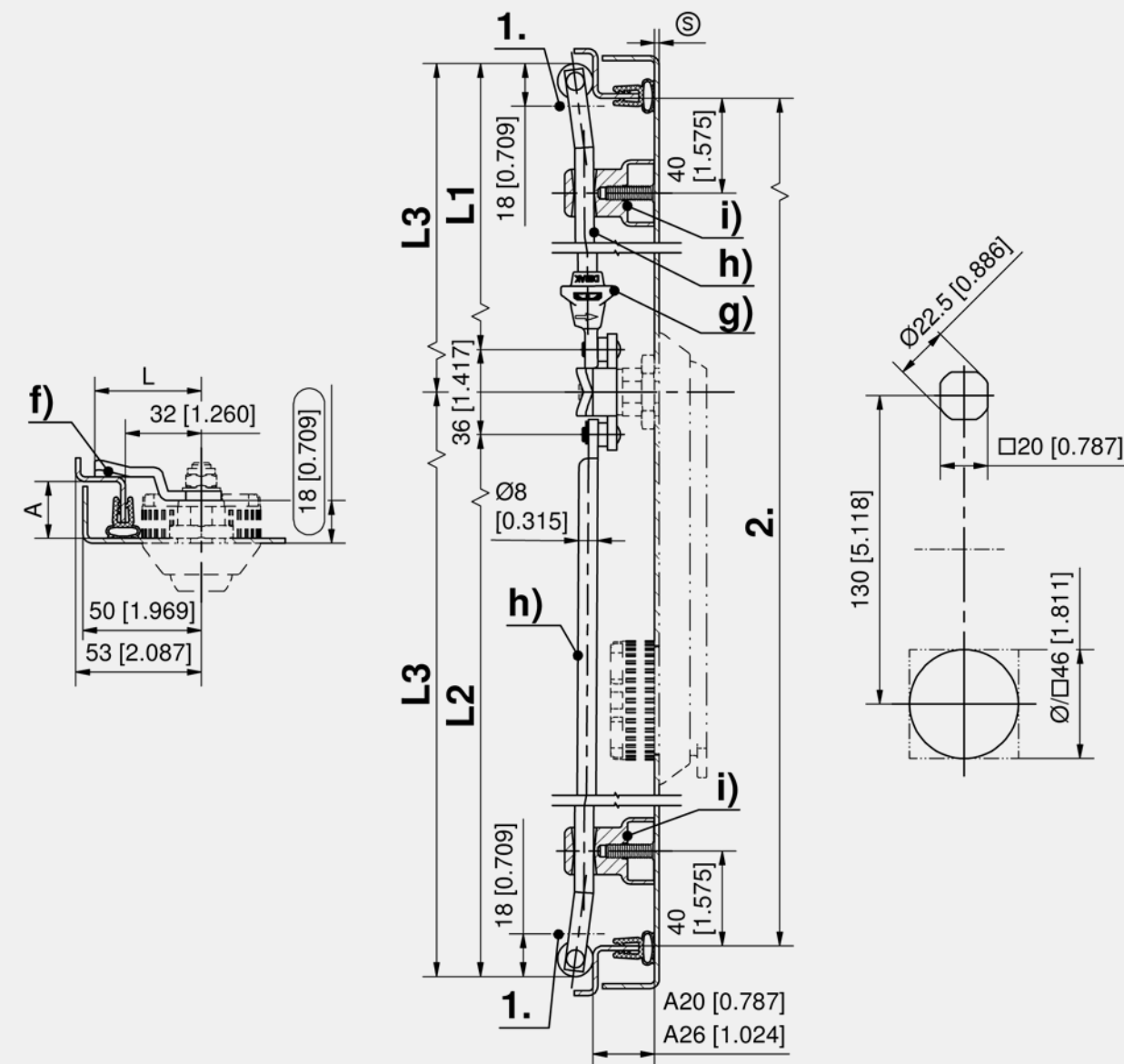
+	Accessories
l)	154, 292 1-102 Cams L35/45 steel
l)	165 1-105 Roller Cam height adjustable
l)	294 2-150 3-Point Cam
l)	175, 295 2-151 2-, 3- and 4-Point Cam Adapter
l)	176, 296 2-151.04 3-Point Cam Adapter
m)	181, 285 1-181 Adapter PA for Round Rods
m)	181, 285 1-181.01 Adapter for Round Rods

+	Accessories
n)	179, 283 1-170 Round Rod with Eye
n)	180, 284 1-180 Round Rods for Adapter
o)	186, 290 1-190 Rod Guides for 8mm Round Rods
o)	184, 288 1-191 Height-adjustable Rod Guide with Knurled Nut
o)	185, 289 1-192 Rod Guides
o)	187, 291 1-193 Rod Guide RS


$$L_3 = \frac{2 \cdot \text{clearance} - 12\text{mm} [0.472]}{2 [0.079]}$$

	Accessories	
f)	154, 292	1-102 Cams L35/45 steel
f)	165	1-105 Roller Cam height adjustable
f)	294	2-150 3-Point Cam
f)	175, 295	2-151 2-, 3- and 4-Point Cam Adapter
f)	176, 296	2-151.04 3-Point Cam Adapter
g)	181, 285	1-181 Adapter PA for Round Rods
g)	181, 285	1-181.01 Adapter for Round Rods

	Accessories	
h)	179, 283	1-170 Round Rod with Eye
h)	180, 284	1-180 Round Rods for Adapter
i)	186, 290	1-190 Rod Guides for 8mm Round Rods
i)	184, 288	1-191 Height-adjustable Rod Guide with Knurled Nut
i)	185, 289	1-192 Rod Guides
i)	187, 291	1-193 Rod Guide RS


$$L_3 = \frac{2 \cdot \text{clearance} - 12\text{mm} [0.472]}{2 [0.079]}$$

		Accessories	
f)	154, 292	1-102	Cams L35/45 steel
f)	165	1-105	Roller Cam height adjustable
f)	294	2-150	3-Point Cam
f)	175, 295	2-151 2-, 3- and 4-Point	Cam Adapter
f)	176, 296	2-151.04	3-Point Cam Adapter
g)	181, 285	1-181	Adapter PA for Round Rods
g)	181, 285	1-181.01	Adapter for Round Rods

		Accessories
	h) 179, 283	1-170 Round Rod with Eye
	h) 180, 284	1-180 Round Rods for Adapter
	i) 186, 290	1-190 Rod Guides for 8mm Round Rods
	i) 184, 288	1-191 Height-adjustable Rod Guide with Knurled Nut
	i) 185, 289	1-192 Rod Guides
	i) 187, 291	1-193 Rod Guide RS



Height-adjustable Rod Guide RS

See page 288

Round rods

	Part Number	Version	Length	variable length	Rod diameter Ø	Delivery Unit
a)	201-0102.00-00000	with eye	400 mm		8 mm	1 pc.
a)	201-0103.00-00000	with eye	500 mm		8 mm	1 pc.
a)	201-0104.00-00000	with eye	600 mm		8 mm	1 pc.
a)	201-0105.00-00000	with eye	700 mm		8 mm	1 pc.
a)	201-0106.00-00000	with eye	800 mm		8 mm	1 pc.
a)	201-0107.00-00000	with eye	900 mm		8 mm	1 pc.
a)	201-0108.00-00000	with eye	1000 mm		8 mm	1 pc.
a)	201-0109.00-00000	with eye	1100 mm		8 mm	1 pc.
a)	201-0110.00-00000	with eye	1200 mm		8 mm	1 pc.
a)	201-0112.00-Lxxmm	with eye		Yes	8 mm	on request
b)	201-0111.00-Lxxmm	with eye and chamfered end		Yes	8 mm	on request
c)	201-9006.00-Lxxmm	with eye and rollers		Yes	8 mm	on request
d)	201-9021.00-Lxxmm	with eye and rollers, eye parallel to the roller		Yes	8 mm	on request

Accessories
e) 203-0605.03-00000 Bushing Ø8

all product details ▶
on DIRAK.com



1-170

Advantages

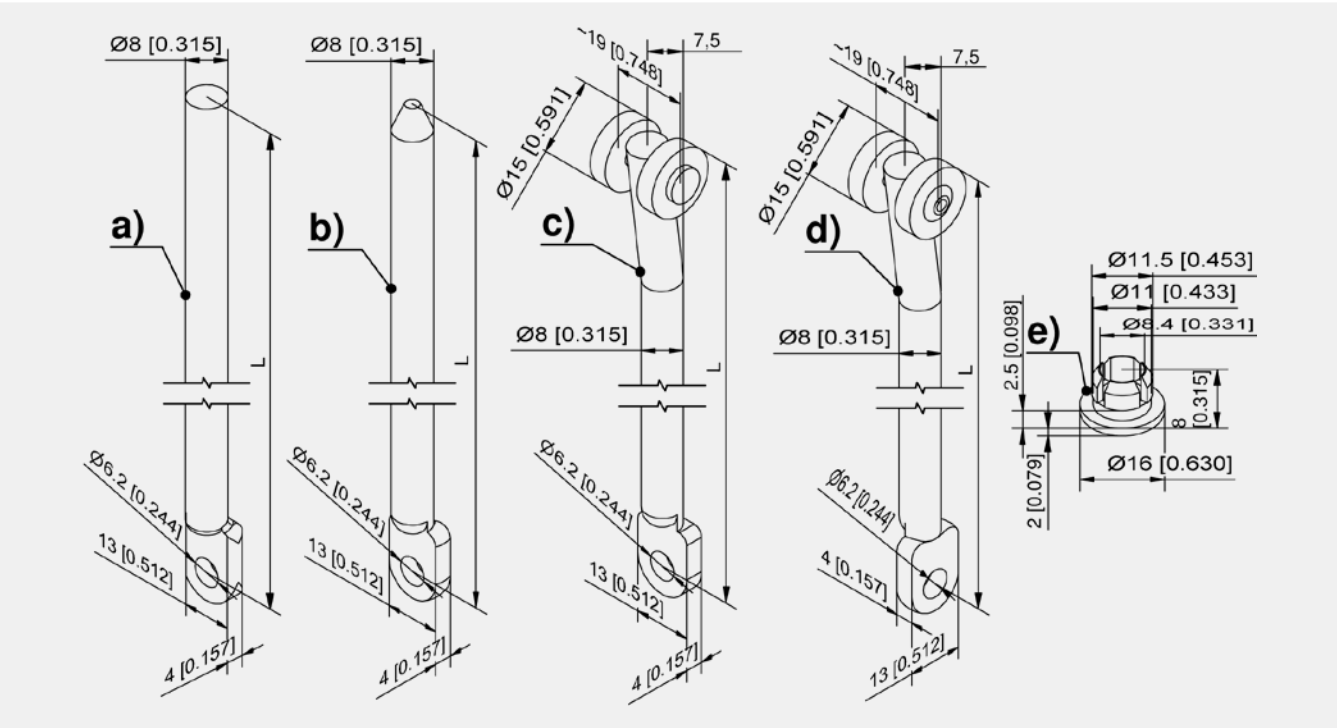
- Round rods in standard length and variable lengths with pressed eye.
- With a flat end.
- With chamfered end.
- Version c) for 3-point cams.
- Version d) for rod latches.
- With rollers, dimension L up to top of roller.

Materials

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

Remarks

Round rods in standard length: from stock.
Bushing d) only suitable for round rod a) and b)



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

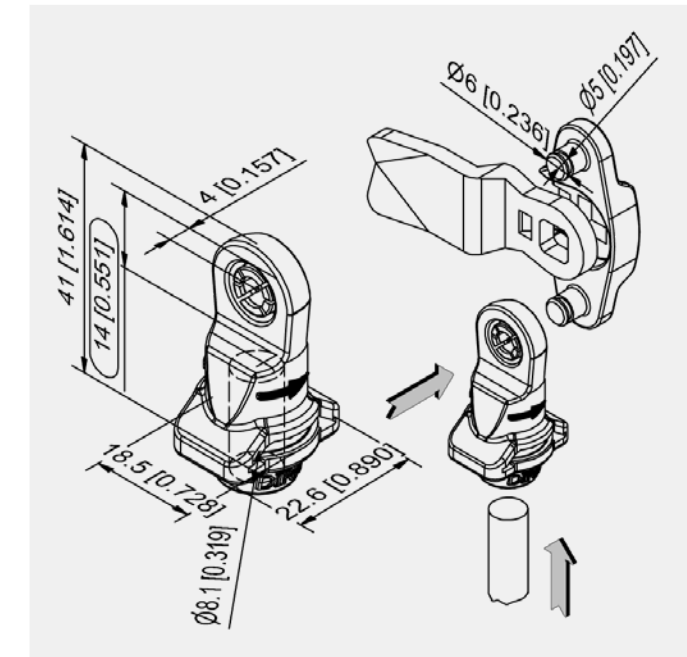
Round rods in standard lengths: from stock

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

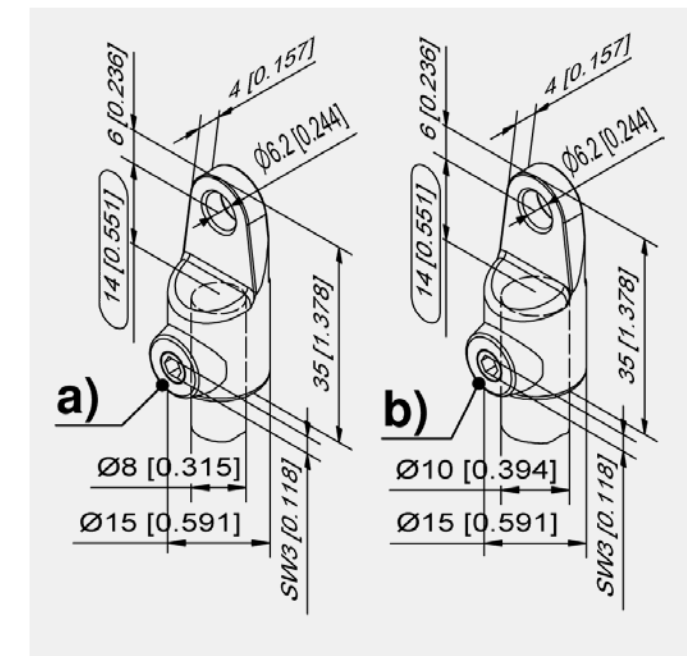
Part Number	Rod diameter Ø	Quick-fit	Installation type	Delivery Unit
200-9621.00-00000	8 mm	Yes	tool-less	1 pc.

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.

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

- 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)

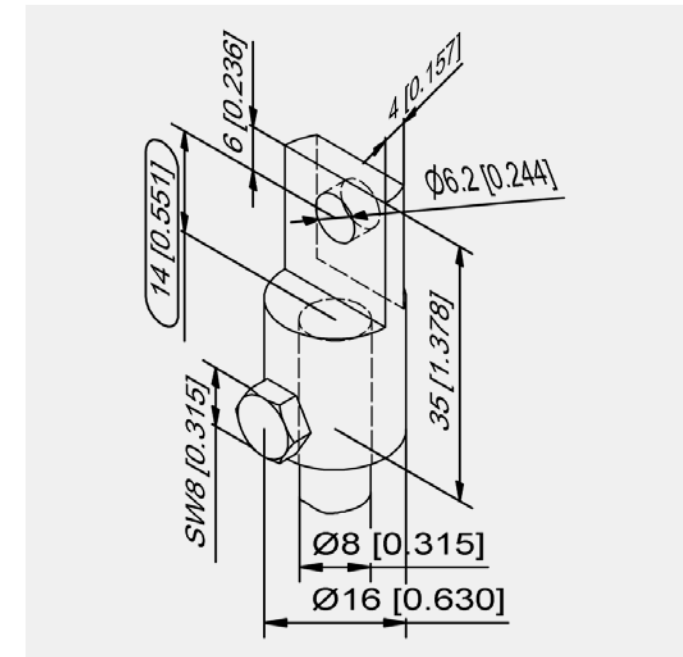
Attention: dimension L measured to top of roller!

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 Ø8mm

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

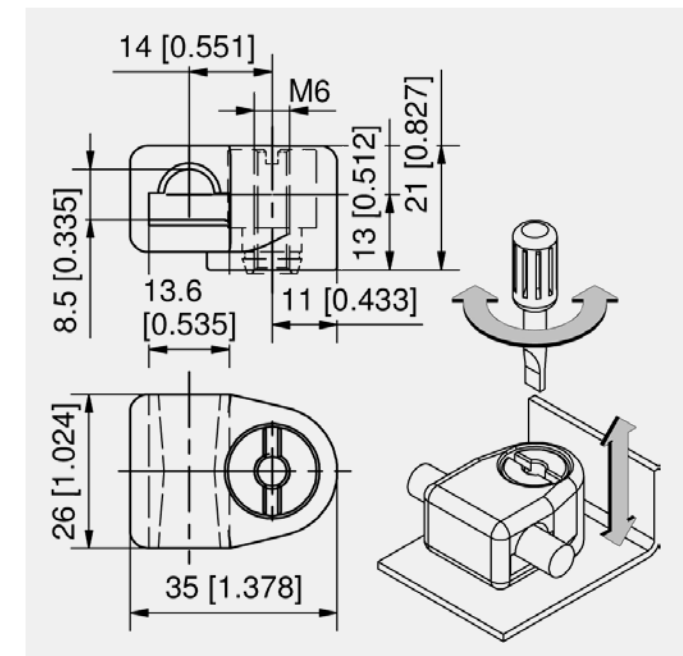
- Rod guide:** AISI 316
- Adjusting screw:** AISI 303
- C-clip and wave washer:** stainless steel

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.

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

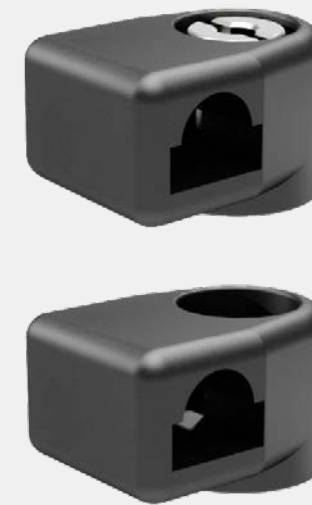
- Rod guide is pushed onto the knurled nut and can be installed therefore pre-assembled.
- Tool-less adjustment with knurled nut.
- Readjustment possible at any time.
- Dismantling of the rod for height adjustment not necessary.
- Usable for studs M6 from 14 to 21mm.
- Adjustment range up to max. 8mm.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

Materials

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

Remarks

1. rod guide
2. knurled nut
3. stud
4. round rod



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

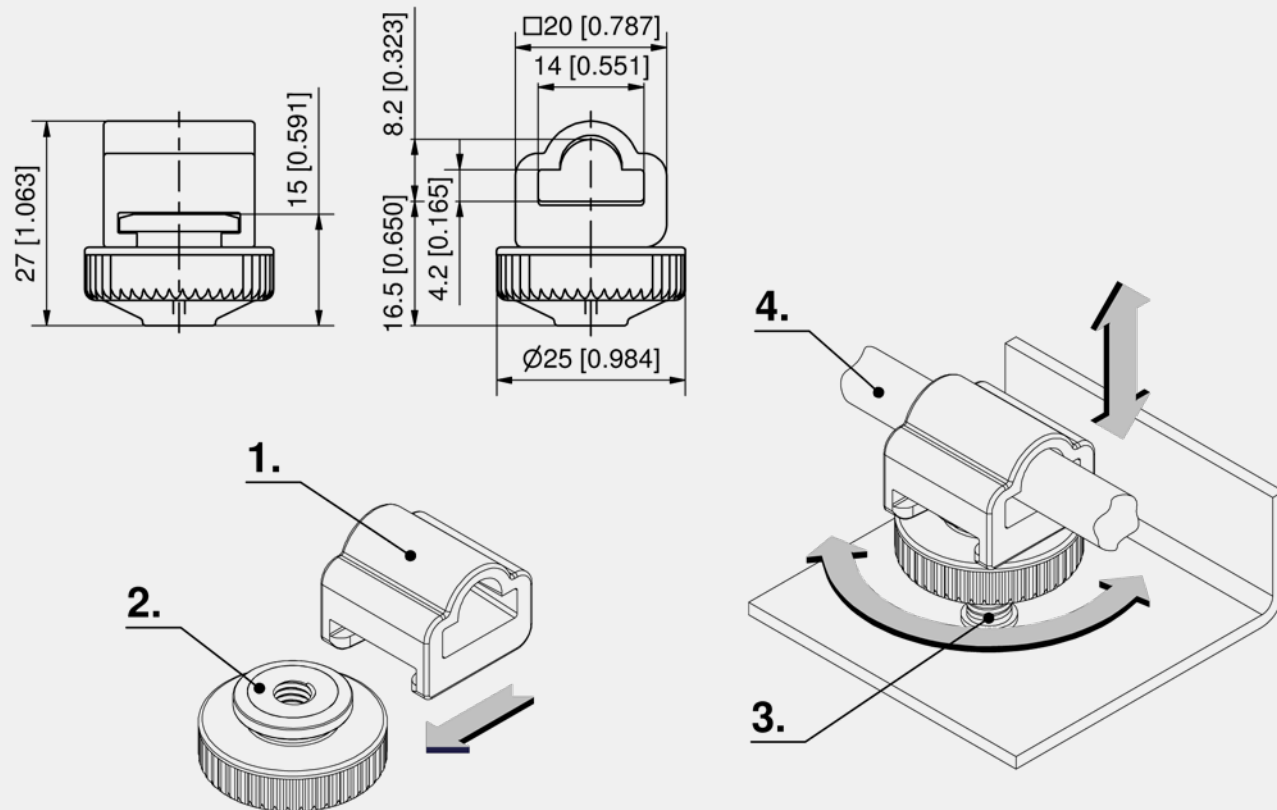
- **Rod guide:** PA, black
- **Adjusting Sleeve:** steel, zinc plated
- **Snap ring:** stainless steel

Remarks

Adjustment depending on the length of the weld stud:

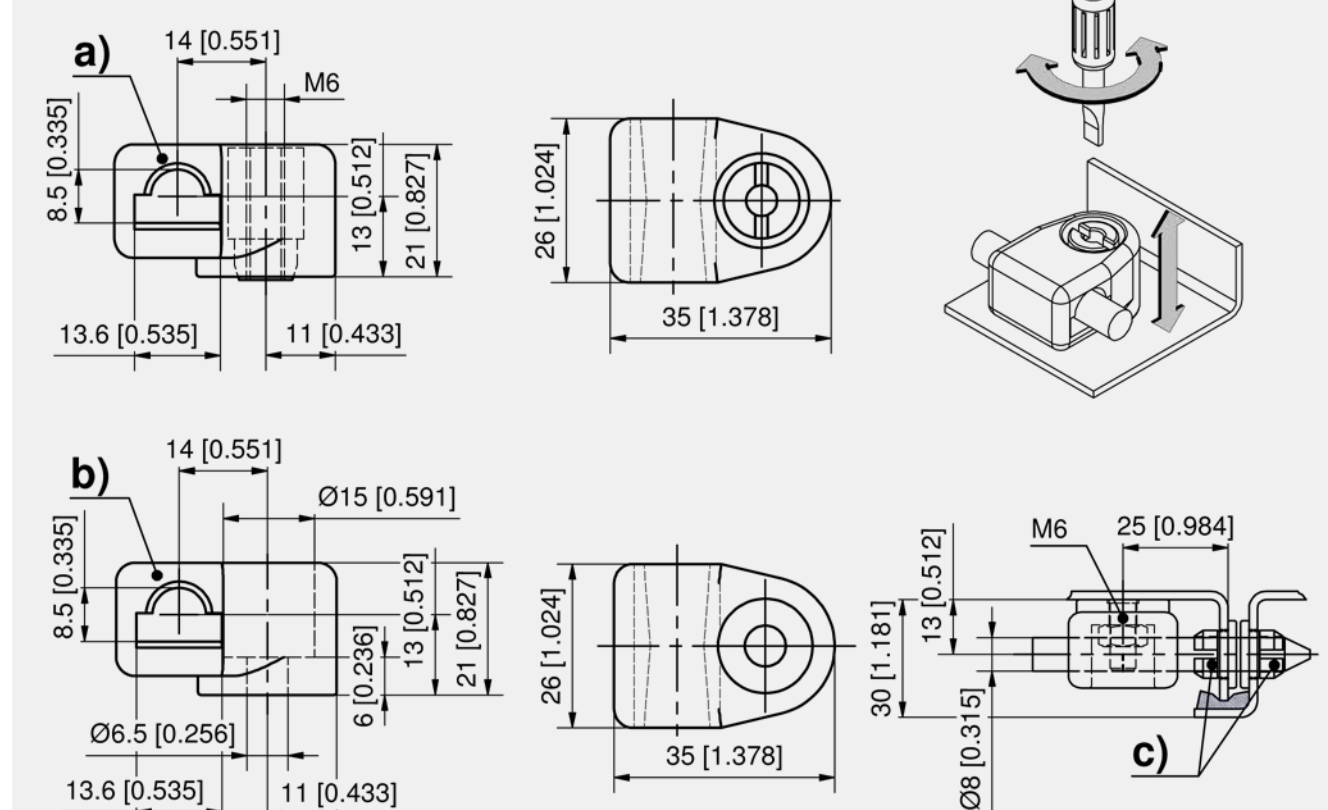
- M6 x 14 +5/-1mm,
- M6 x 16 +5/-3mm,
- M6 x 18 +5/-5mm,
- M6 x 20 +5/-7mm

Stainless steel version see product system 7-912.



Rod guide

Part Number	Height adjustable	Adjustment range	Installation type	Delivery Unit
200-9633.00-00000	Yes	max. 8 mm	tool-less	10 pcs.



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

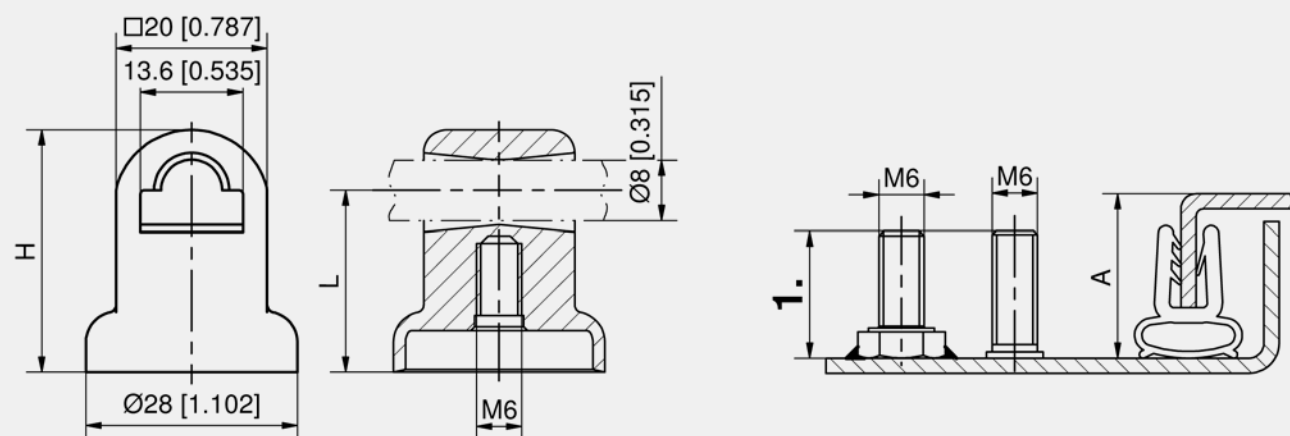
- With molded thread.
- Screwed onto a weld stud or weld-on screw.
- The round shape of the hole allows free swivelling even with very short rods.

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 guide

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

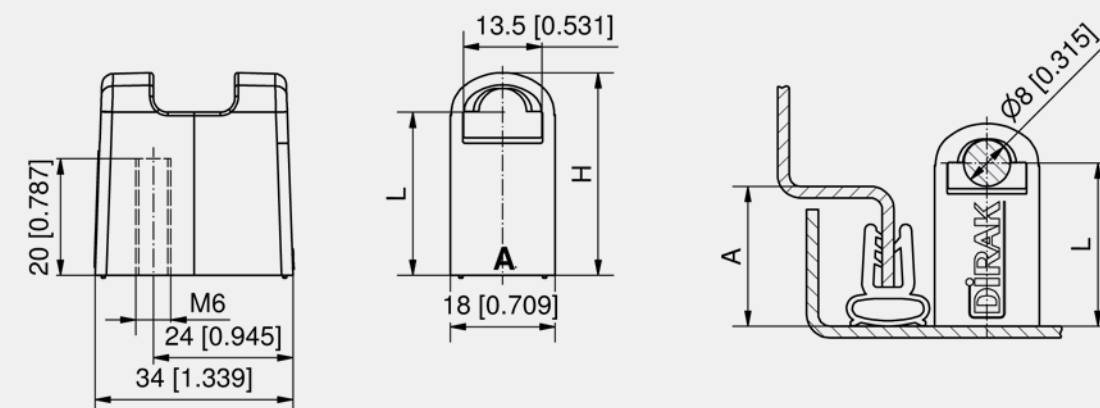
- For 8mm round rods for installation without tools on weld-stud M6x20mm.
- The rod guide has to be placed over the weld stud and then pushed onto the thread until a "click" is audible. It is locked now in the final position.
- Visual inspection possible from above through openings.
- The rod guide can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

Materials

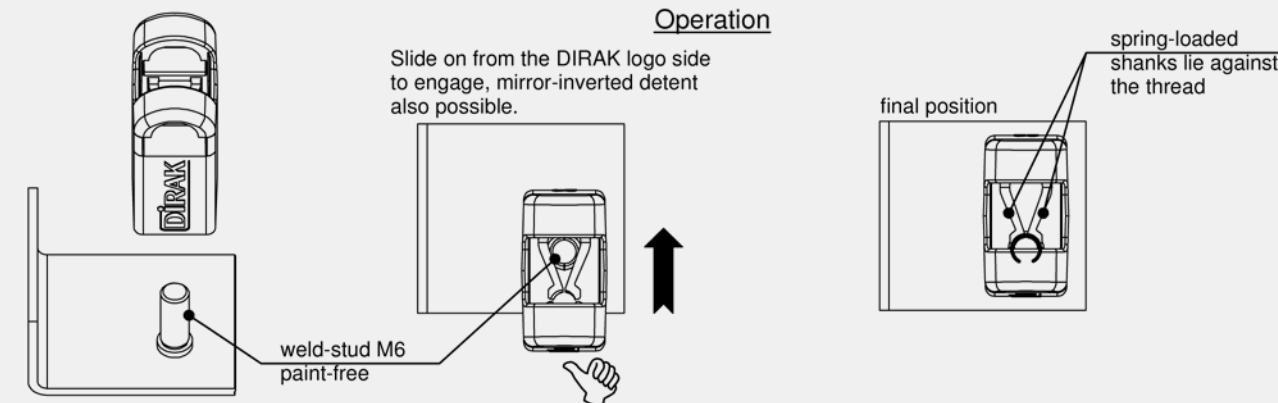
- Rod guide: PA6, black

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 guide

	Part Number	Height H	A = bending	L	Installation type	Delivery Unit
a)	200-3616.54-00000	35 mm	A24	28 mm	tool-less	1 pc.
b)	200-3617.54-00000	37 mm	A26	30 mm	tool-less	1 pc.
c)	200-3618.54-00000	39 mm	A28	32 mm	tool-less	1 pc.



Cams, L35

	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	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	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

	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 H-Dimension Adjustment
176, 296	2-151.04 3-Point Cam Adapter

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

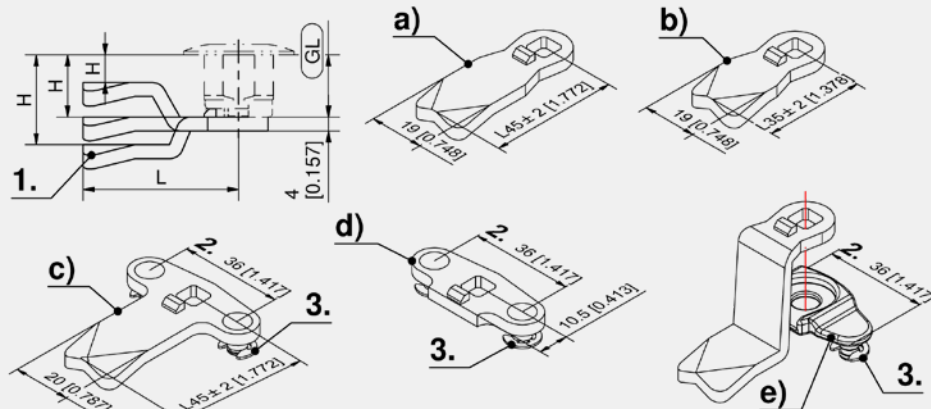
- **Cams:** steel, zinc plated

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, L45, H-dimensions

	Part Number	GI12	GI18	GI20	GI22	GI30	GI32	GI36	GI40	GI42	GI46	GI50	GI56	GI60	GI66	Delivery Unit
a)	200-0402.00-00000		2 mm	4 mm	6 mm	14 mm	16 mm	20 mm	24 mm	26 mm	30 mm	34 mm	40 mm	44 mm	50 mm	10 pcs.
a)	200-0404.00-00000		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	10 pcs.
a)	200-0406.00-00000		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.
a)	200-0408.00-00000		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.
a)	200-0410.00-00000		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.
a)	200-0413.00-00000	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	10 pcs.
a)	200-0414.00-00000	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.
a)	200-0416.00-00000	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.
a)	200-0418.00-00000	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.
a)	200-0420.00-00000	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.
a)	200-0422.00-00000	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.
a)	200-0424.00-00000	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.
a)	200-0425.00-00000	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.
a)	200-0426.00-00000	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)	200-0428.00-00000	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.
a)	200-0430.00-00000	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.
a)	200-0432.00-00000	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	10 pcs.
a)	200-0434.00-00000	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	10 pcs.
a)	200-0435.00-00000	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)	200-0436.00-00000	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	10 pcs.
a)	200-0438.00-00000	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.
a)	200-0440.00-00000	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.
a)	200-0442.00-00000	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.
a)	200-0444.00-00000	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.
e)	200-0445.00-00000	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	10 pcs.
e)	200-0447.00-00000	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	10 pcs.
e)	200-0450.00-00000	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	10 pcs.
a)	200-0453.00-00000	47 mm	53 mm	55 mm	57 mm	65 mm	67 mm	71 mm	75 mm	77 mm	81 mm	85 mm	91 mm	95 mm	101 mm	10 pcs.
a)	200-0455.00-00000	49 mm	55 mm	57 mm	59 mm	67 mm	69 mm	73 mm	77 mm	79 mm	83 mm	87 mm	93 mm	97 mm	103 mm	10 pcs.



Swinghandles
Accessories



Advantages

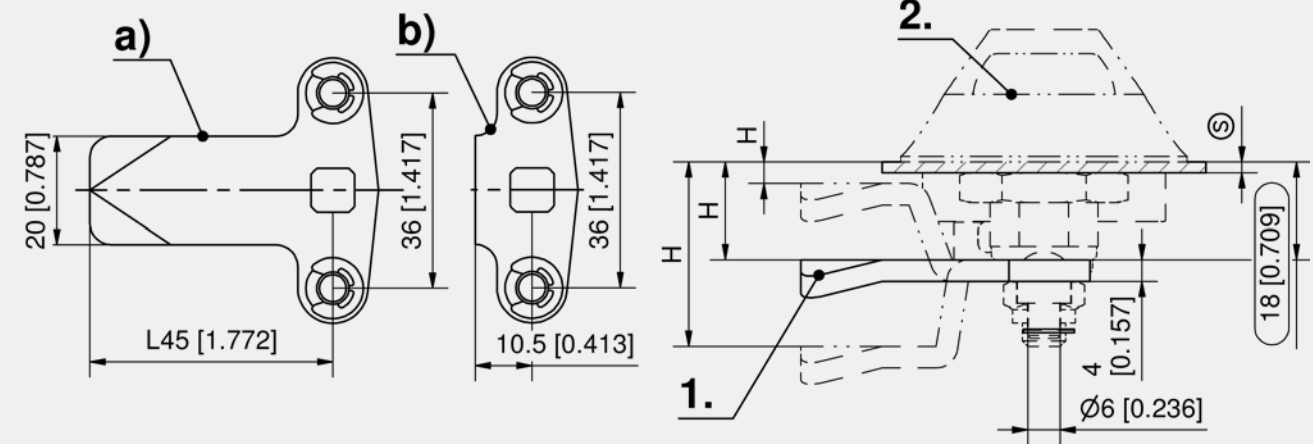
- 3-point cam with rod support, **without** stop.
- For swinghandles **without** cam stop.
- The 4mm high shoulder (Ø10) makes a straight rod (without bending) run over the dustcap.
- 2 C-clips are included.

Materials

- **Cam:** steel, zinc plated

Remarks

1. ramp 3mm
2. swinghandle without cam stop



3- or 4-point cams, L45

	Part Number	H-dimension	Delivery Unit
a)	207-9504.00-00000	4 mm	1 pc.
a)	207-9506.00-00000	6 mm	1 pc.
a)	207-9508.00-00000	8 mm	1 pc.
a)	207-9510.00-00000	10 mm	1 pc.
a)	207-9513.00-00000	13 mm	1 pc.
a)	207-9514.00-00000	14 mm	1 pc.
a)	207-9516.00-00000	16 mm	1 pc.
a)	207-9518.00-00000	18 mm	1 pc.
a)	207-9520.00-00000	20 mm	1 pc.
a)	207-9522.00-00000	22 mm	1 pc.
a)	207-9524.00-00000	24 mm	1 pc.
a)	207-9525.00-00000	25 mm	1 pc.
a)	207-9526.00-00000	26 mm	1 pc.

	Part Number	H-dimension	Delivery Unit
a)	207-9528.00-00000	28 mm	1 pc.
a)	207-9530.00-00000	30 mm	1 pc.
a)	207-9532.00-00000	32 mm	1 pc.
a)	207-9534.00-00000	34 mm	1 pc.
a)	207-9535.00-00000	35 mm	1 pc.
a)	207-9536.00-00000	36 mm	1 pc.
a)	207-9538.00-00000	38 mm	1 pc.
a)	207-9540.00-00000	40 mm	1 pc.
a)	207-9542.00-00000	42 mm	1 pc.
a)	207-9544.00-00000	44 mm	1 pc.
a)	207-9545.00-00000	45 mm	1 pc.
a)	207-9547.00-00000	47 mm	1 pc.
a)	207-9550.00-00000	50 mm	1 pc.

Rod control

	Part Number	Stop	Delivery Unit
b)	207-9599.00-00000	No	1 pc.

	Accessories
179, 283	1-170 Round Rods with Eye
180, 284	1-180 Round Rods for Adapter



all product details
on DIRAK.com



Swinghandles
Accessories



Advantages

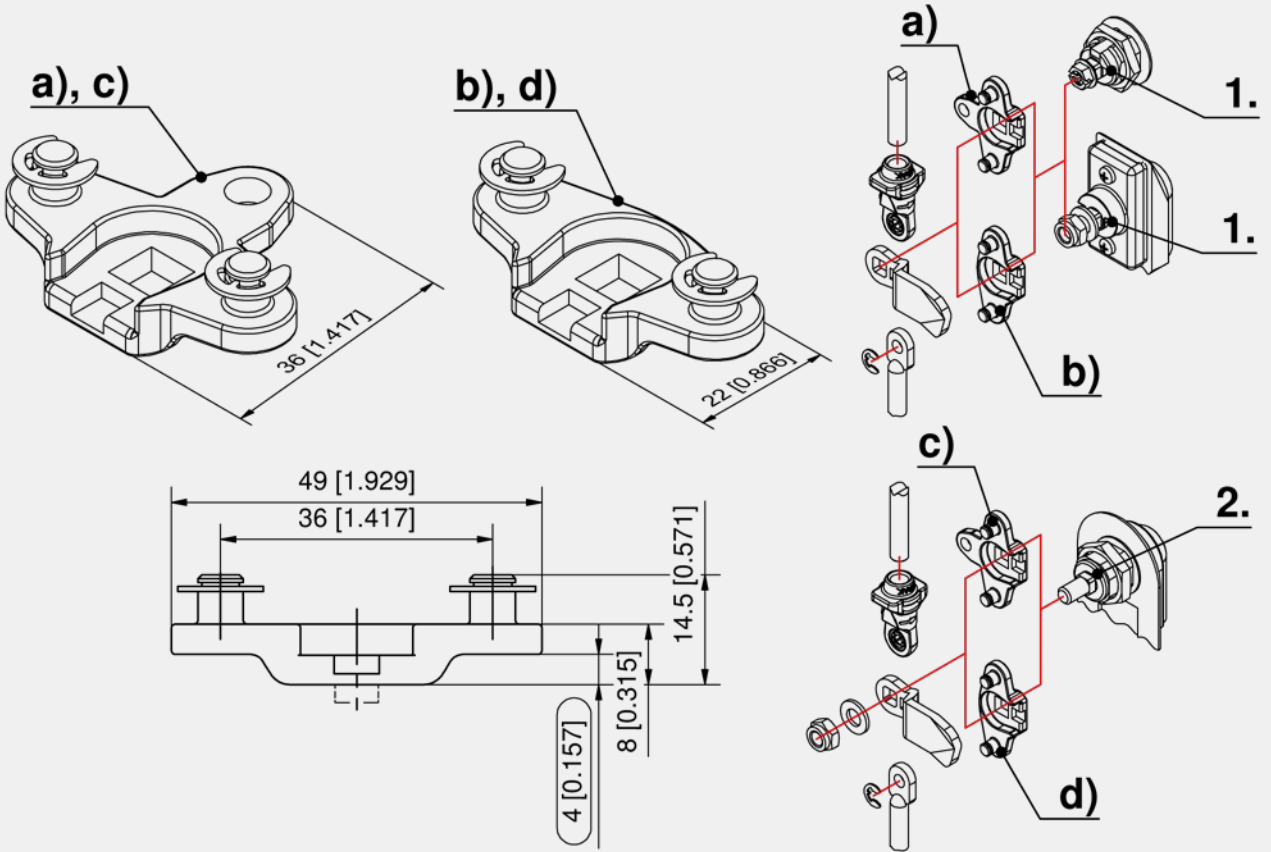
- 3-point cam adapter for cams of product system 1-102.
- With and without 90° stop.
- The raised rod stub is necessary for swinghandles, enabling the lower rod passing over the lower cap.
- 4-point cam adapter: with additional linkage.
- For those applications, where beyond the standard control of 2 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



all product details
on DIRAK.com

Advantages

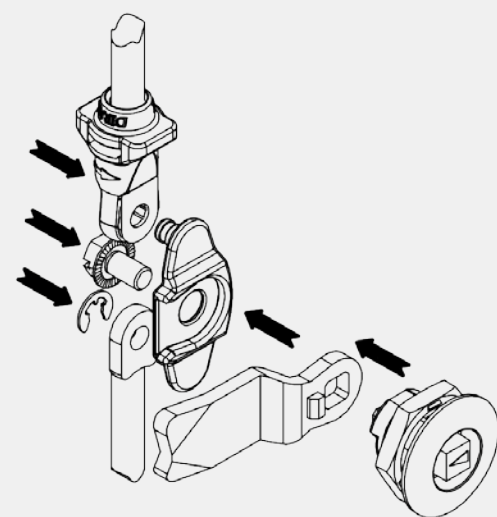
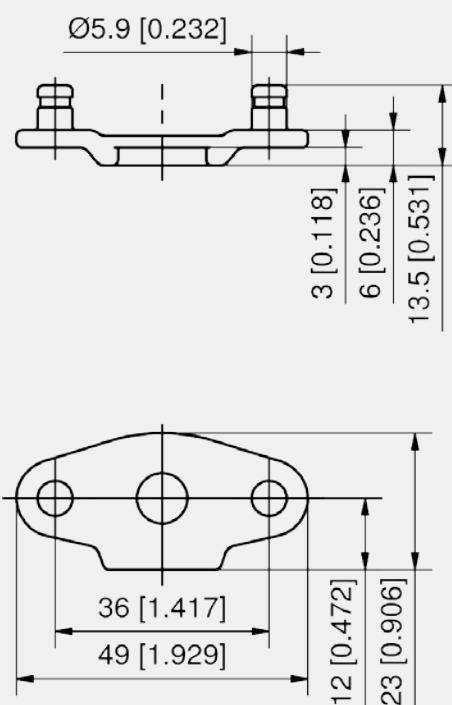
- 3-point cam adapter for cams of product system 1-102.
- The adapter is attached to the back of the cam does not affect the H-dimension.

Materials

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

Remarks

Incl. 2 c-clips



Cam adapter

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

Advantages

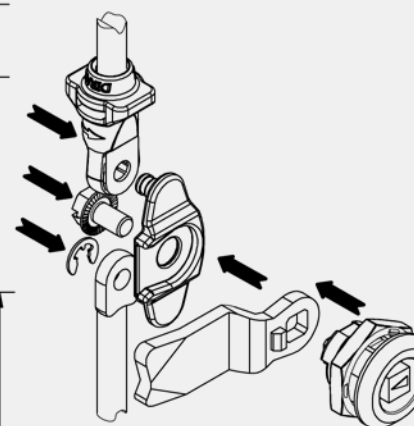
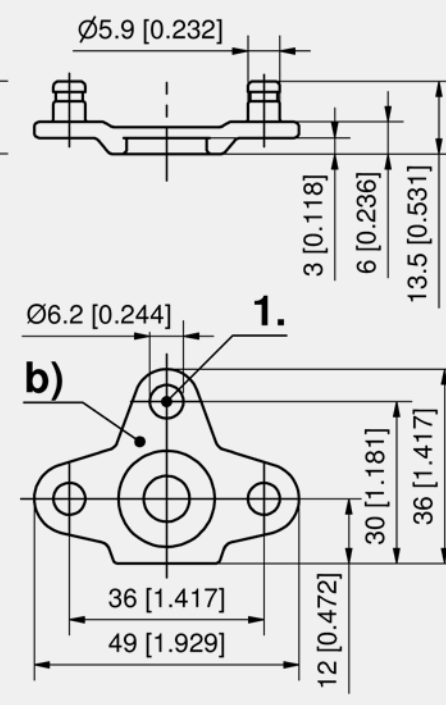
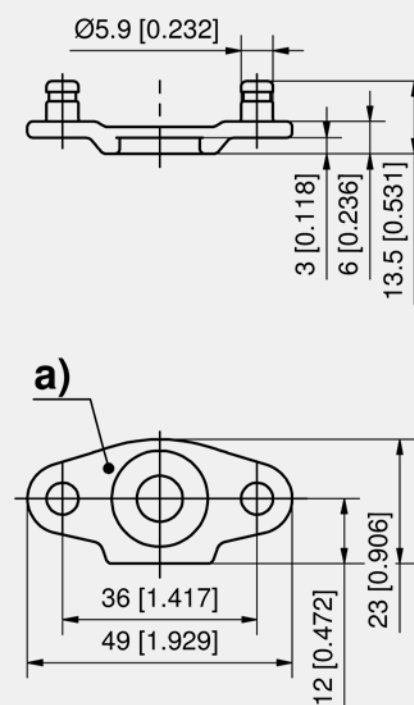
- For use in combination with standard cams see product system 1-102 and 7-080, used for 3- and 4-point latch-ing applications.
- For 4-point application use additional link.
- For those applications, where beyond the standard control of 2 locking-rods, an additional rod can be used (e.g. controlling 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



Adapter for 3-point cam

	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

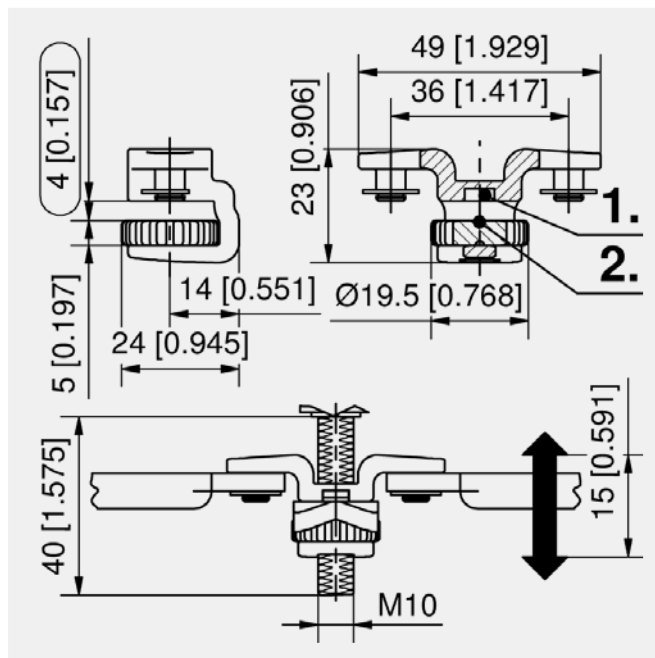
- 3-point cam adapter for cams Pr20.1, tool-less adjustable.
- RH/ LH application.
- Axial adjustable.
- Usable with standard cams.
- Readjustable at any time.
- 3-point locking system.
- Knurled wheel with thread M10.

Materials

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

Remarks

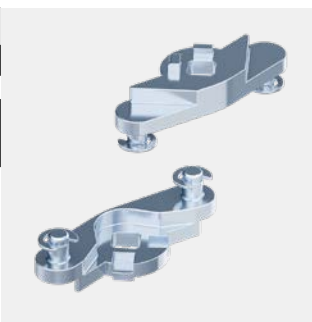
- Incl. 2 c-clips
- recess for cams with stop
 - detent



Adapter for 3-point cam

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

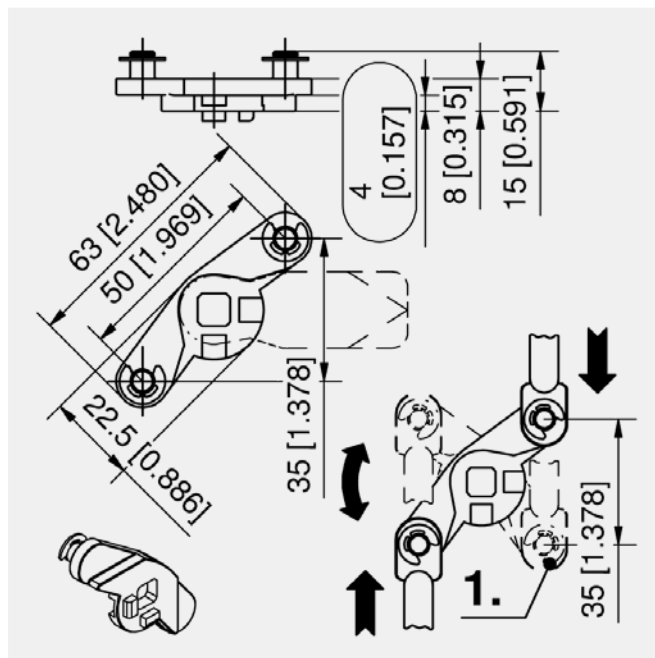
- 3-point cam adapter:** zinc die, zinc plated
- Locking washer:** steel, zinc plated

Remarks

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.

- stroke 35mm



Adapter for 3-point cam

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

3-Point Cam Adapter 45° Stainless Steel [7-106.01]

Advantages

- 3-point cam adapter with and without stop.

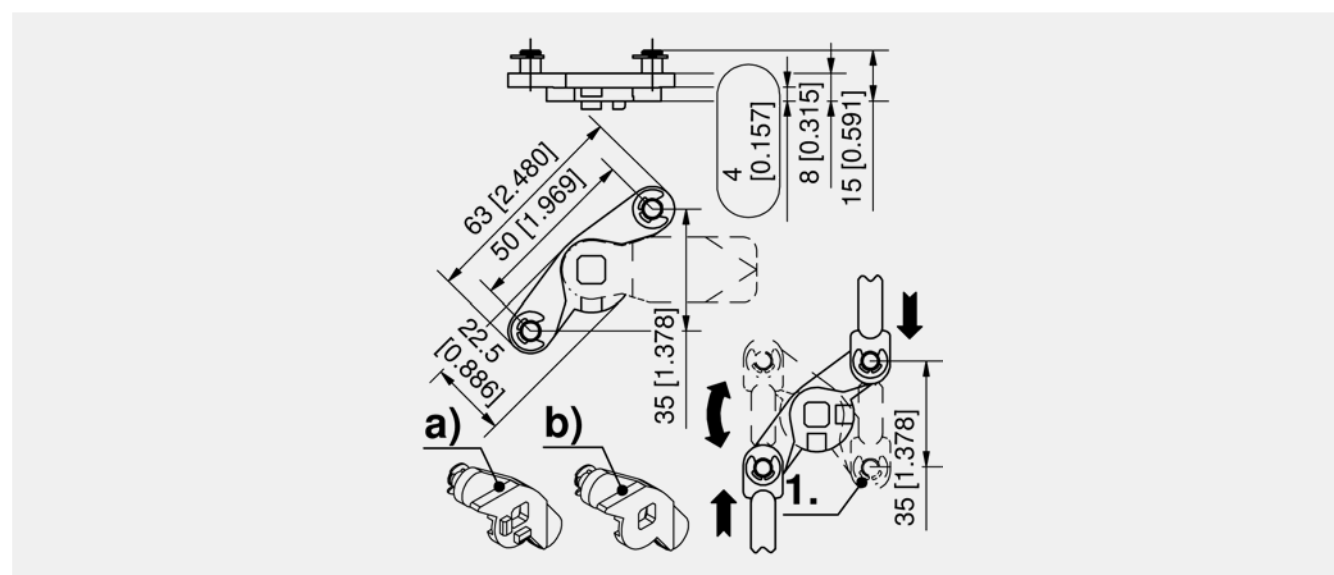
Materials

- 3-point cam adapter:** AISI 316
- Locking washer:** AISI 304

Remarks

- stroke 35mm
- All cams of product system 7-105 under a) and b) can be applied.

Note: H-dimension of cam increases by 4mm. E.g. cam 200-0518 results in an H-dimension of 22mm. See product system 2-151.



Adapter for 3-point cam

	Part Number	Stop	2-point locking	3-point locking	Delivery Unit
a)	200-9598.00-00000	Yes	Yes	Yes	1 pc.
b)	207-9594.00-00000	No	Yes	Yes	1 pc.

+ Accessories
156 7-105 Cams L35/45 Stainless Steel
182, 286 7-106 Round Rods Stainless Steel

