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DIRAK-SNAP-Technology.

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



Page 631

Sturdy and durable.

In outdoor applications and various other areas such as traffic engineering or energy and environmental technology, hinges should be especially durable and robust. Stainless steel hinges meet these challenges and are resistant to corrosion, chemicals and the weather.



Page 510

Potential equalization with a screw.

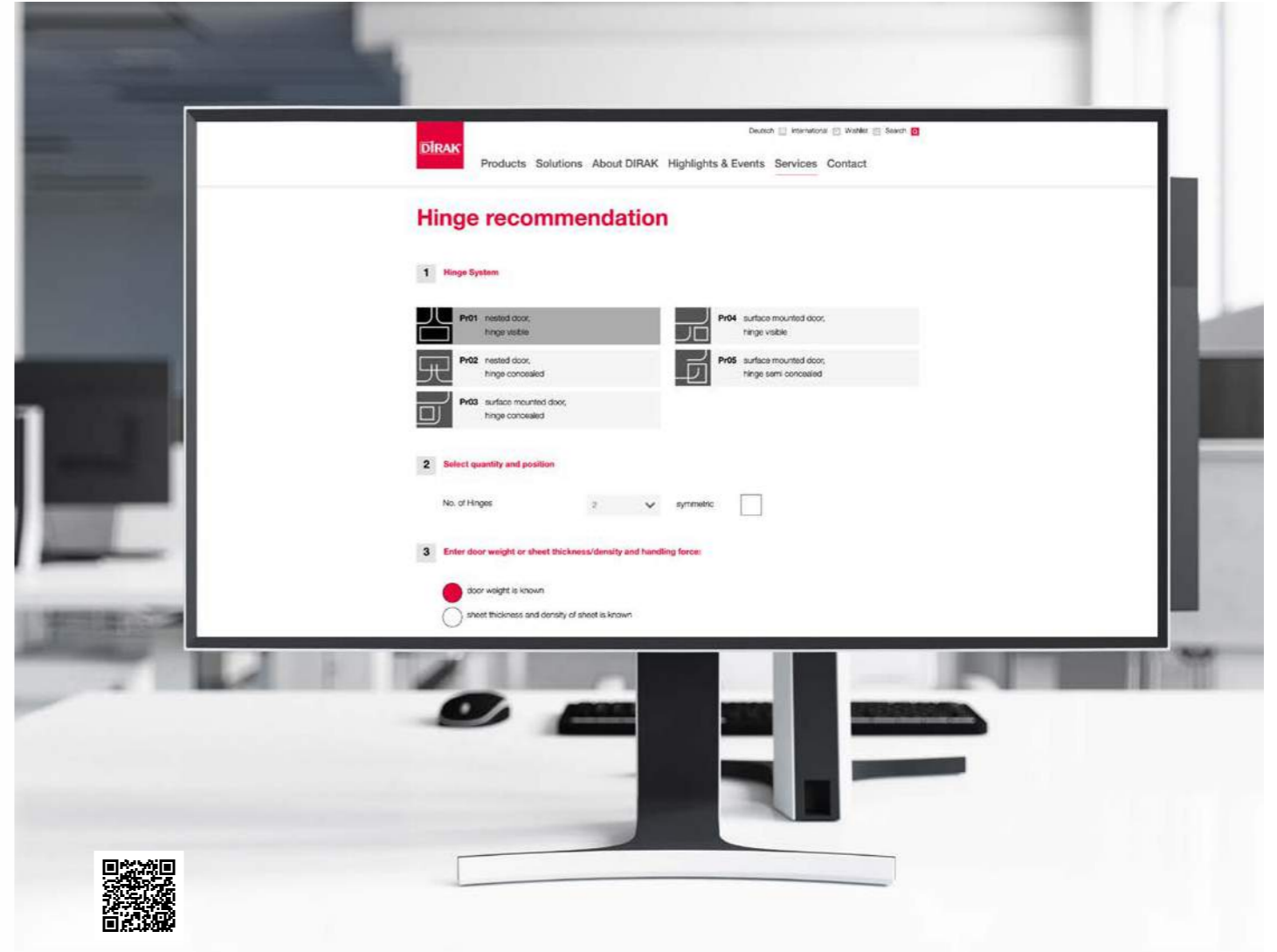
Fastening hinges can be this easy: A segment cutting edge and scraping tooth on the new countersunk ground screw can be used to create electrical connections between two metal sheets even without any additional small parts.



FASTENED IN A FLASH.

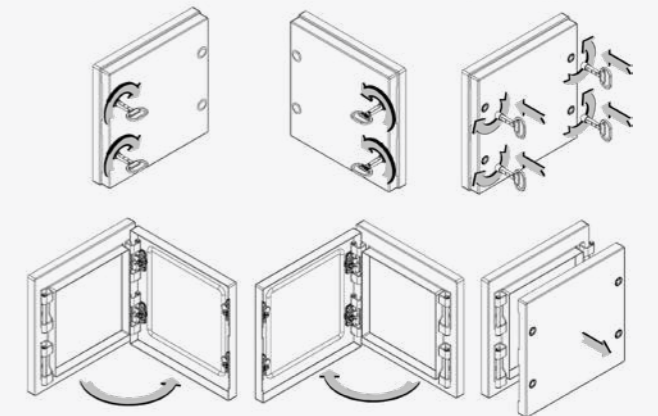
The hinge with bridge fastening sits precisely in the rectangular cutout. The hinge half can be fixed in place with just one screw.

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DO YOU NEED A GOOD RECOMMENDATION?

You can use **our online tool** to obtain hinge recommendations depending on the dimensions and weight of your door. Try it out!

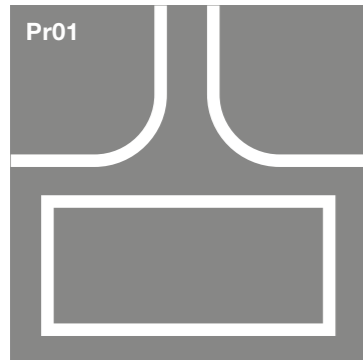


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Latch or hinge? **Both!**

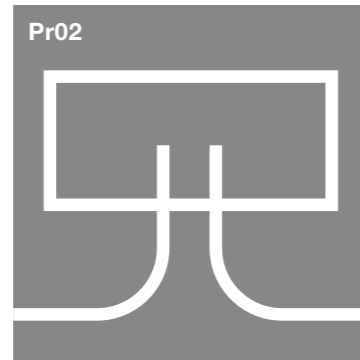
The flush latch with integrated hinge function is both a latch and a hinge in one and makes changing the door hinge or removing the door from its hinges a simple task.

Hinges by Program



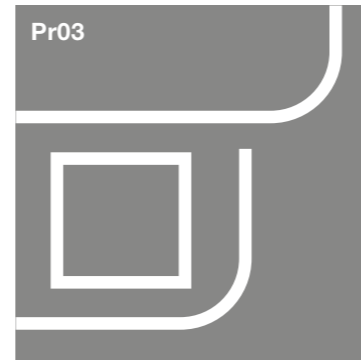
**Nested door, hinge visible**

Page: 490–555, 650–656



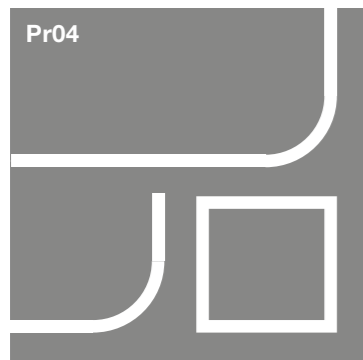
**Nested door, hinge concealed**

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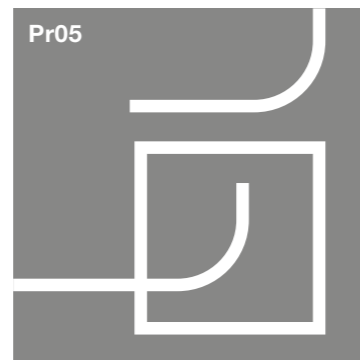
**Surface mounted door, hinge concealed**

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**Surface mounted door, hinge visible**

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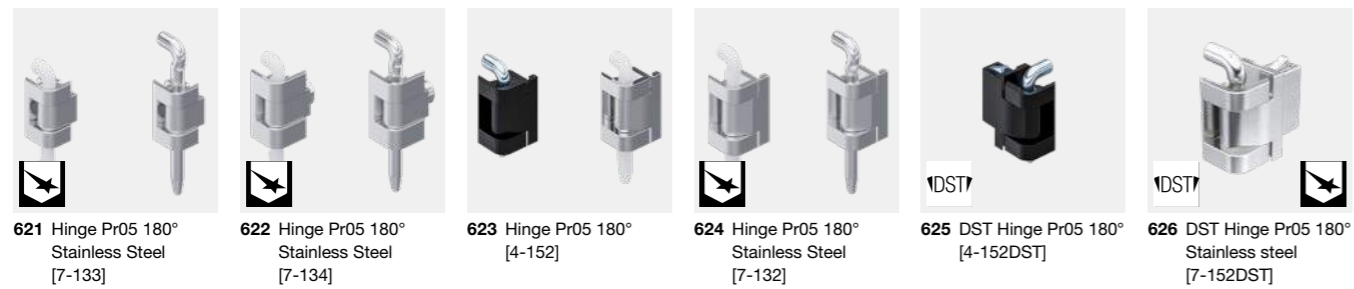
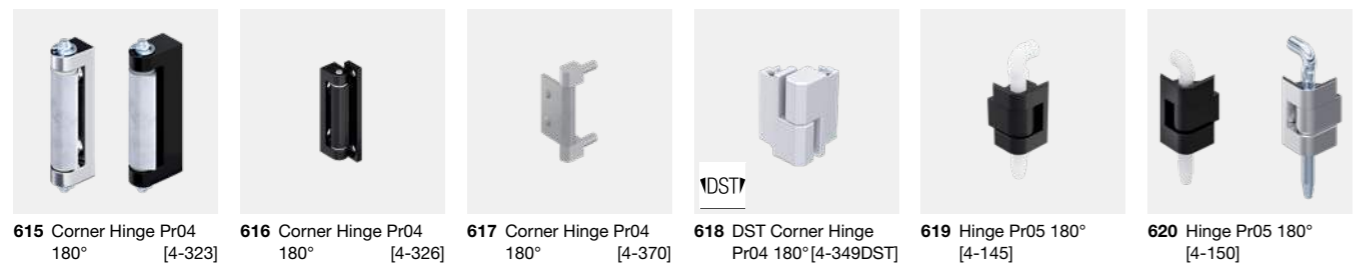
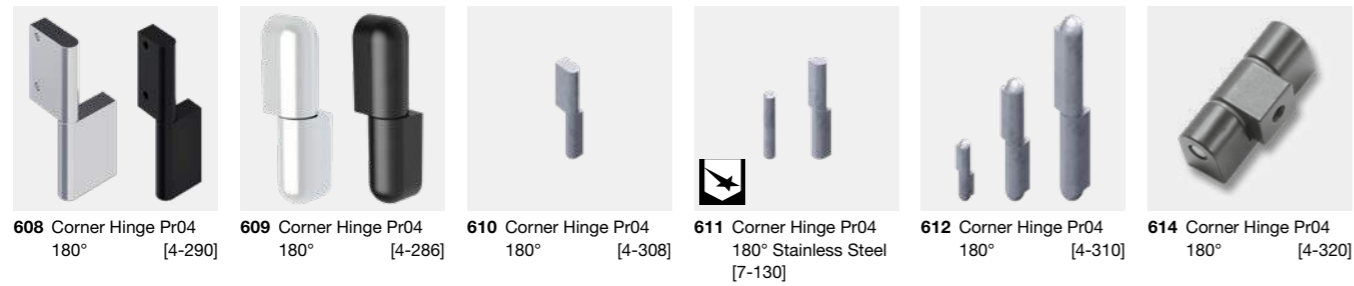
**Surface mounted door, hinge partly visible**

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Hinges

Hinges



Hinges

Hinges





**Advantages**

- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Tool-less installation.
- Seismic-proof according to GR-63-CORE, Issue 4.
- Installation by a simple push into the cutout.

**Materials**

- **Hinge-parts:** zinc die, matte chrome plated or black
- **Pin:** stainless steel
- **Snap wedges:** sintered steel, zinc plated

**Remarks**

1. alternative cutout
2. indentation as a guideline for correct positional installation to avoid errors



**Advantages**

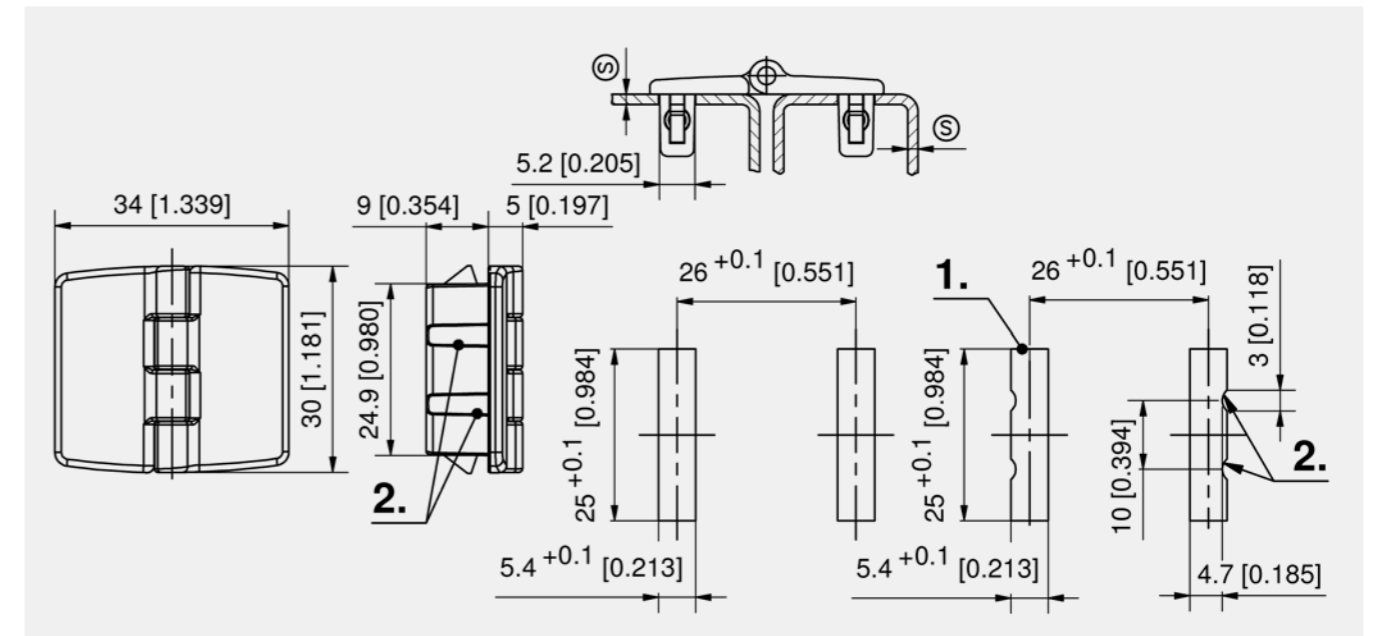
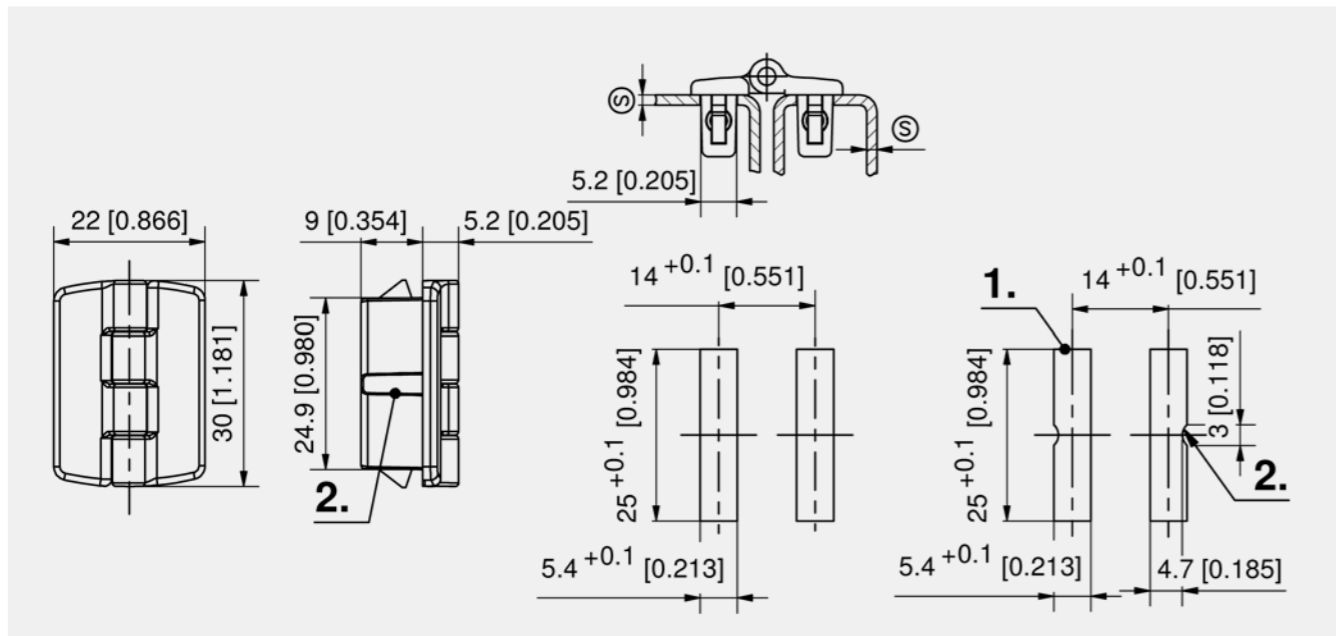
- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Tool-less installation.
- Seismic-proof according to GR-63-CORE, Issue 4.
- Installation by a simple push into the cutout.

**Materials**

- **Hinge-parts:** zinc die, matte chrome plated or black
- **Pin:** stainless steel
- **Snap wedges:** sintered steel, zinc plated

**Remarks**

1. alternative cutout
2. indentation as a guideline for correct positional installation to avoid errors



Hinge, zinc die

Part Number	Clamping range (S)	Surface	Pin version	Installation type	Delivery Unit
418-9301.33-00008	0.6 - 0.9 mm	black	pressed in	tool-less	10 pcs.
418-9301.33-00010	0.8 - 1.1 mm	black	pressed in	tool-less	10 pcs.
418-9301.33-00014	1.2 - 1.5 mm	black	pressed in	tool-less	10 pcs.
418-9301.33-00020	1.8 - 2.1 mm	black	pressed in	tool-less	10 pcs.
418-9301.33-00024	2.2 - 2.5 mm	black	pressed in	tool-less	10 pcs.
418-9301.40-00008	0.6 - 0.9 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9301.40-00010	0.8 - 1.1 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9301.40-00014	1.2 - 1.5 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9301.40-00020	1.8 - 2.1 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9301.40-00024	2.2 - 2.5 mm	matte chrome plated	pressed in	tool-less	10 pcs.

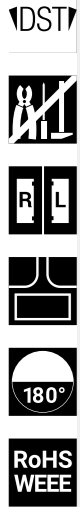
Accessories	
+	764 292-0306.80-02530 Tool for uninstallation

Hinge, zinc die

Part Number	Clamping range (S)	Surface	Pin version	Installation type	Delivery Unit
418-9302.33-00008	0.6 - 0.9 mm	black	pressed in	tool-less	10 pcs.
418-9302.33-00010	0.8 - 1.1 mm	black	pressed in	tool-less	10 pcs.
418-9302.33-00014	1.2 - 1.5 mm	black	pressed in	tool-less	10 pcs.
418-9302.33-00020	1.8 - 2.1 mm	black	pressed in	tool-less	10 pcs.
418-9302.33-00024	2.2 - 2.5 mm	black	pressed in	tool-less	10 pcs.
418-9302.40-00008	0.6 - 0.9 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9302.40-00010	0.8 - 1.1 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9302.40-00014	1.2 - 1.5 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9302.40-00020	1.8 - 2.1 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9302.40-00024	2.2 - 2.5 mm	matte chrome plated	pressed in	tool-less	10 pcs.

Accessories	
+	764 292-0306.80-02530 Tool for uninstallation





**Advantages**

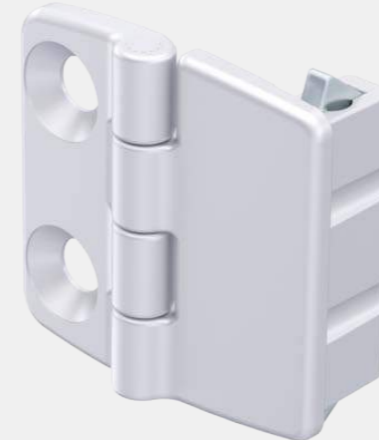
- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Tool-less installation by a simple push into the cutout.
- To guarantee a correct positional installation, the cutouts can have indentation.

**Materials**

- **Hinge-parts:** zinc die, matte chrome plated or black
- **Pin:** stainless steel
- **Snap wedges:** sintered steel, zinc plated

**Remarks**

1. alternative cutout
2. indentation as a guideline for correct positional installation to avoid errors



**Advantages**

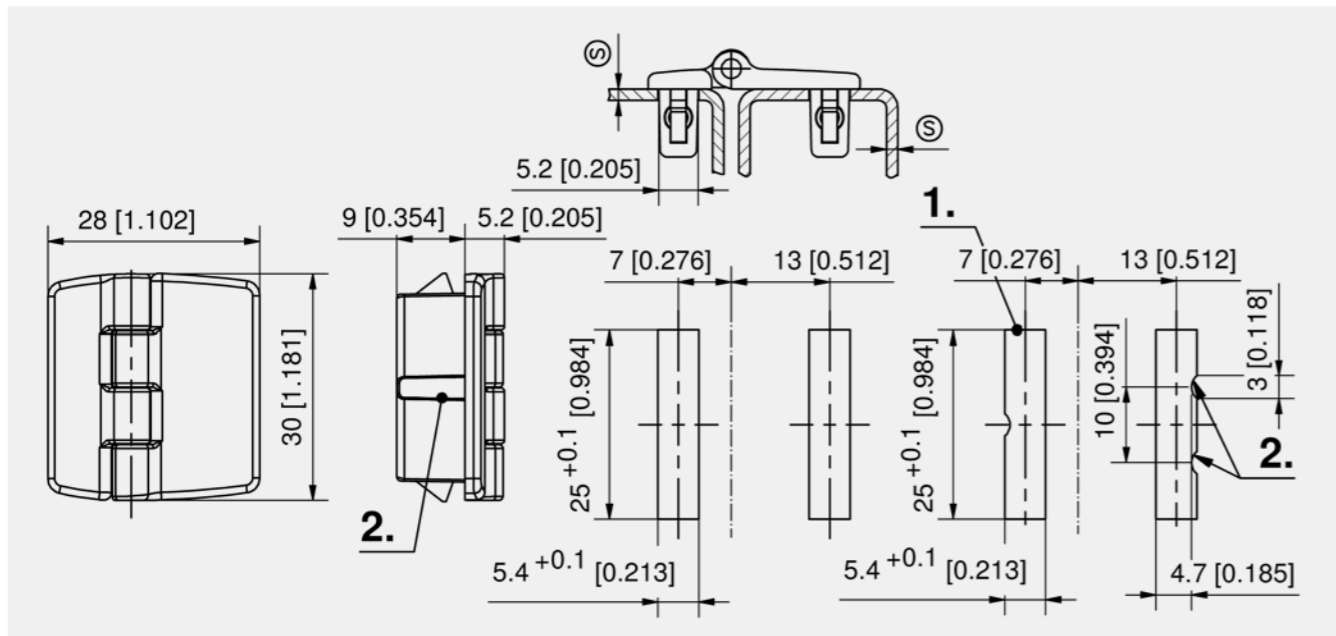
- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Installation tool-less or tool-less / screw-on.
- With the screw fastened versions countersunk screws according DIN 7991 or according DIN EN ISO 10642 can be used.
- Adjustments are possible with respective bores provided.

**Materials**

- **Hinge-parts:** zinc die, matte chrome plated or black
- **Pin:** stainless steel
- **Snap wedges:** sintered steel, zinc plated

**Remarks**

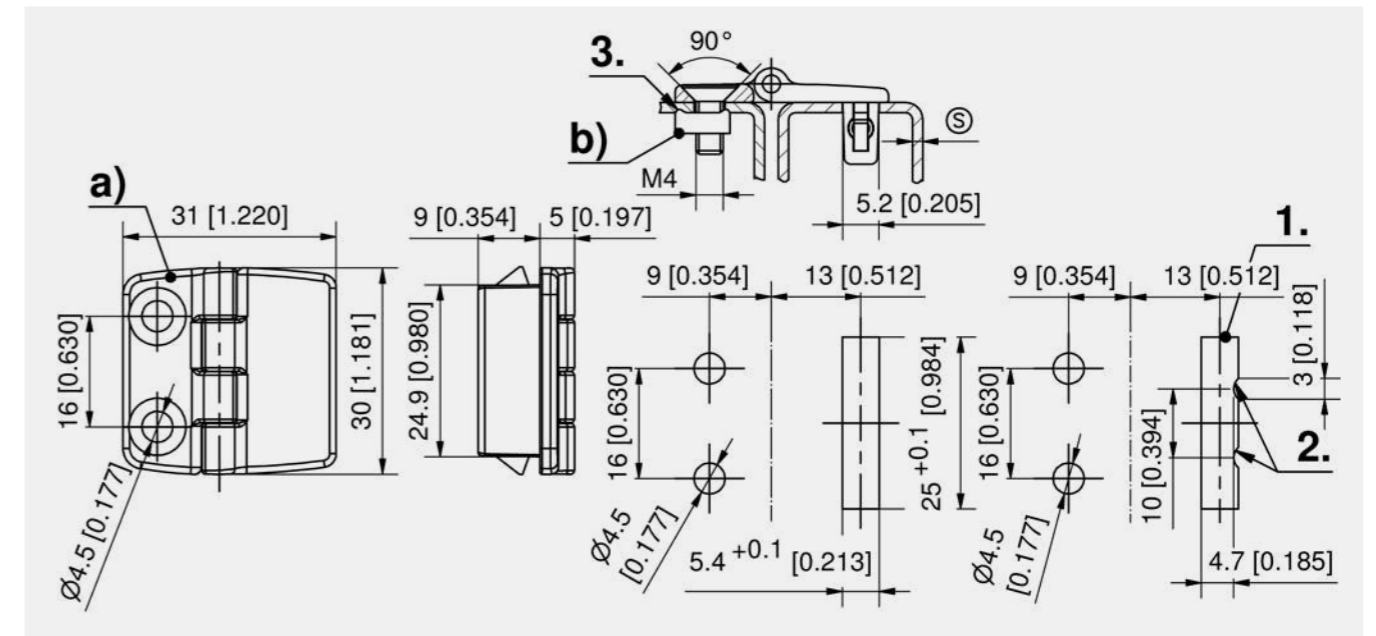
1. alternative cutout
  2. indentation as a guideline for correct positional installation to avoid errors
  3. teeth on the nut plate to increase friction and, if necessary, for earthing
- The nut plate can be mounted in different ways, according to the application. (Please order separately)



Hinge, zinc die

Part Number	Clamping range (S)	Surface	Pin version	Installation type	Delivery Unit
418-9303.33-00008	0.6 - 0.9 mm	black	pressed in	tool-less	10 pcs.
418-9303.33-00010	0.8 - 1.1 mm	black	pressed in	tool-less	10 pcs.
418-9303.33-00014	1.2 - 1.5 mm	black	pressed in	tool-less	10 pcs.
418-9303.33-00020	1.8 - 2.1 mm	black	pressed in	tool-less	10 pcs.
418-9303.33-00024	2.2 - 2.5 mm	black	pressed in	tool-less	10 pcs.
418-9303.40-00008	0.6 - 0.9 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9303.40-00010	0.8 - 1.1 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9303.40-00014	1.2 - 1.5 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9303.40-00020	1.8 - 2.1 mm	matte chrome plated	pressed in	tool-less	10 pcs.
418-9303.40-00024	2.2 - 2.5 mm	matte chrome plated	pressed in	tool-less	10 pcs.

Accessories	
+	764 292-0306.80-02530 Tool for uninstallation



Hinge, zinc die

	Part Number	Clamping range (S)	Surface	Pin version	Installation type	Delivery Unit
a)	418-9304.33-00008	0.6 - 0.9 mm	black	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.33-00010	0.8 - 1.1 mm	black	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.33-00014	1.2 - 1.5 mm	black	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.33-00020	1.8 - 2.1 mm	black	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.33-00024	2.2 - 2.5 mm	black	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.40-00008	0.6 - 0.9 mm	matte chrome plated	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.40-00010	0.8 - 1.1 mm	matte chrome plated	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.40-00014	1.2 - 1.5 mm	matte chrome plated	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.40-00020	1.8 - 2.1 mm	matte chrome plated	pressed in	tool-less / screw-on	10 pcs.
a)	418-9304.40-00024	2.2 - 2.5 mm	matte chrome plated	pressed in	tool-less / screw-on	10 pcs.

Accessories	
+	b) 757 218-0907.15-00000 Nut Plates
	764 292-0306.80-02530 Tool for uninstallation







**Advantages**

- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Installation tool-less or tool-less / screw-on.
- With the screw fastened versions countersunk screws according DIN 7991 or according DIN EN ISO 10642 can be used.
- Adjustments are possible with respective bores provided.

**Materials**

- **Hinge-parts:** zinc die, matte chrome plated or black
- **Pin:** stainless steel
- **Snap wedges:** sintered steel, zinc plated

**Remarks**

1. alternative cutout
2. indentation as a guideline for correct positional installation to avoid errors
3. teeth on the nut plate to increase friction and, if necessary, for earthing

The nut plate can be mounted in different ways, according to the application. (Please order separately)



**Advantages**

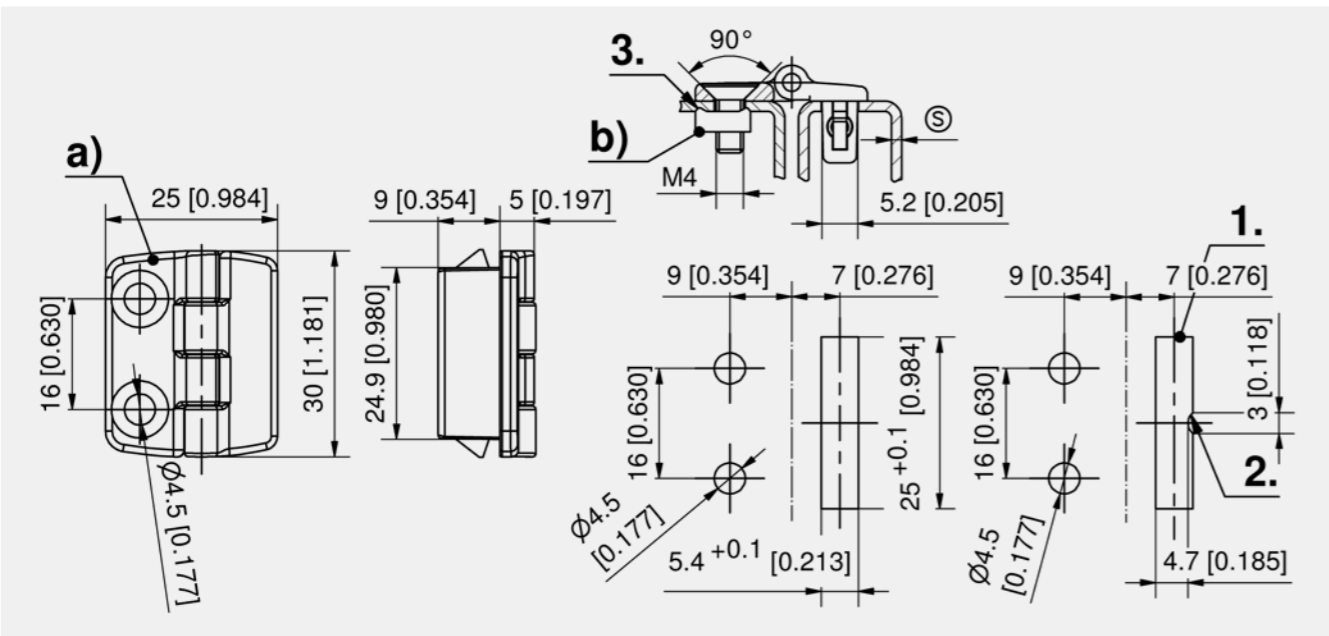
- Screw-on hinges for aluminum profiles.
- For nested doors.
- Hinge visible.
- RH and LH version.
- 180° Opening angle.
- Lift-off.
- Horizontal and vertical installation with DIRAK tenon blocks or fastening blocks 4-248. A rotation of the hinge is not possible.

**Materials**

- **Hinge halves:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel

**Remarks**

- (S) in conjunction with tenon blocks of product system 4-248 = max. 3.2mm
- Cutout see 4-248
1. installation example for the parallel arrangement of the profiles
  2. installation example for the rectangular arrangement of the profiles
  3. tenon blocks see 4-248



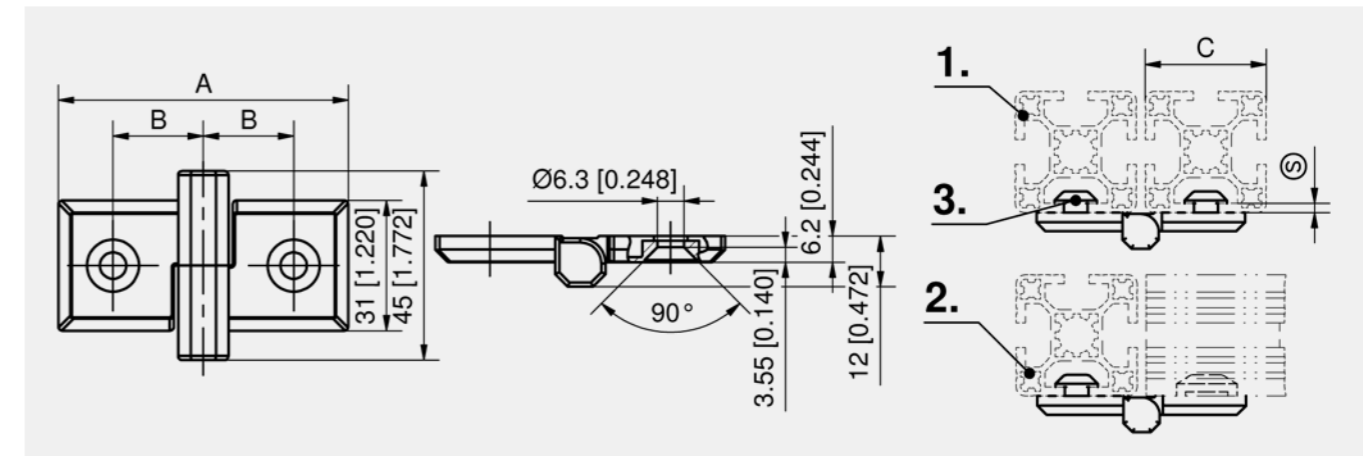
Hinge, zinc die, black

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
a) 418-9305.33-00008	0.6 - 0.9 mm	pressed in	tool-less / screw-on	10 pcs.
a) 418-9305.33-00010	0.8 - 1.1 mm	pressed in	tool-less / screw-on	10 pcs.
a) 418-9305.33-00014	1.2 - 1.5 mm	pressed in	tool-less / screw-on	10 pcs.
a) 418-9305.33-00020	1.8 - 2.1 mm	pressed in	tool-less / screw-on	10 pcs.
a) 418-9305.33-00024	2.2 - 2.5 mm	pressed in	tool-less / screw-on	10 pcs.

Hinge, zinc die, chrome plated

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
a) 418-9305.40-00008	0.6 - 0.9 mm	pressed in	tool-less / screw-on	10 pcs.
a) 418-9305.40-00010	0.8 - 1.1 mm	pressed in	tool-less / screw-on	10 pcs.
a) 418-9305.40-00014	1.2 - 1.5 mm	pressed in	tool-less / screw-on	10 pcs.
a) 418-9305.40-00020	1.8 - 2.1 mm	pressed in	tool-less / screw-on	10 pcs.
a) 418-9305.40-00024	2.2 - 2.5 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
b) 757	218-0907.15-00000 Nut Plates
764	292-0306.80-02530 Tool for uninstallation



Hinge, zinc die, blasted chrome plated

Part Number	Version	for profile width C	total Length A	Dimension B	Pin version	Installation type	Delivery Unit
265-9001.00-00000	RH	30	59 mm	16.5 mm	pressed in	screw-on	10 pcs.
265-9003.00-00000	LH	30	59 mm	16.5 mm	pressed in	screw-on	10 pcs.
265-9103.00-00000	LH	35	64 mm	19 mm	pressed in	screw-on	10 pcs.
265-9201.00-00000	RH	40	69 mm	21.5 mm	pressed in	screw-on	10 pcs.
265-9401.00-00000	RH	50	79 mm	26.5 mm	pressed in	screw-on	10 pcs.
265-9403.00-00000	LH	50	79 mm	26.5 mm	pressed in	screw-on	10 pcs.

Hinge, zinc die, black

Part Number	Version	for profile width C	total Length A	Dimension B	Pin version	Installation type	Delivery Unit
265-9002.00-00000	RH	30	59 mm	16.5 mm	pressed in	screw-on	10 pcs.
265-9004.00-00000	LH	30	59 mm	16.5 mm	pressed in	screw-on	10 pcs.
265-9202.00-00000	RH	40	69 mm	21.5 mm	pressed in	screw-on	10 pcs.
265-9402.00-00000	RH	50	79 mm	26.5 mm	pressed in	screw-on	10 pcs.
265-9404.00-00000	LH	50	79 mm	26.5 mm	pressed in	screw-on	10 pcs.

Accessories	
+	756 4-248 Tenon Blocks and Anti-twist Protection





**Advantages**

- Hinge halves for aluminum profiles with same or different widths.
- For nested doors.
- Hinge visible.
- RH and LH version.
- 180° Opening angle.
- Lift-off.
- Horizontal and vertical installation with DIRAK tenon blocks or fastening blocks 4-248. A rotation of the hinge is not possible.

**Materials**

- **Hinge halves:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel

**Remarks**

- 1. recesses at the back of the hinges for the tenon blocks or fastening blocks

Hinge halves, version RH, zinc die, blasted chrome plated

	Part Number	Pin	Dimension A	Dimension B	for profile width C	Combinable with	Pin version	Installation type	Delivery Unit
a)	265-0101.01-00000		29.5 mm	16.5 mm	30	b	pressed in	screw-on	10 pcs.
a)	265-0201.01-00000		32 mm	19 mm	35	b	pressed in	screw-on	10 pcs.
a)	265-0501.01-00000		39.5 mm	26.5 mm	50	b	pressed in	screw-on	10 pcs.
b)	265-8703.00-00000	Yes	29.5 mm	16.5 mm	30	a	pressed in	screw-on	10 pcs.
b)	265-8707.00-00000	Yes	32 mm	19 mm	35	a	pressed in	screw-on	10 pcs.
b)	265-8719.00-00000	Yes	39.5 mm	26.5 mm	50	a	pressed in	screw-on	10 pcs.

Hinge halves, version RH, zinc die, black

	Part Number	Pin	Dimension A	Dimension B	for profile width C	Combinable with	Pin version	Installation type	Delivery Unit
a)	265-0101.02-00000		29.5 mm	16.5 mm	30	b	pressed in	screw-on	10 pcs.
a)	265-0201.02-00000		32 mm	19 mm	35	b	pressed in	screw-on	10 pcs.
a)	265-0501.02-00000		39.5 mm	26.5 mm	50	b	pressed in	screw-on	10 pcs.
b)	265-8704.00-00000	Yes	29.5 mm	16.5 mm	30	a	pressed in	screw-on	10 pcs.
b)	265-8708.00-00000	Yes	32 mm	19 mm	35	a	pressed in	screw-on	10 pcs.
b)	265-8720.00-00000	Yes	39.5 mm	26.5 mm	50	a	pressed in	screw-on	10 pcs.

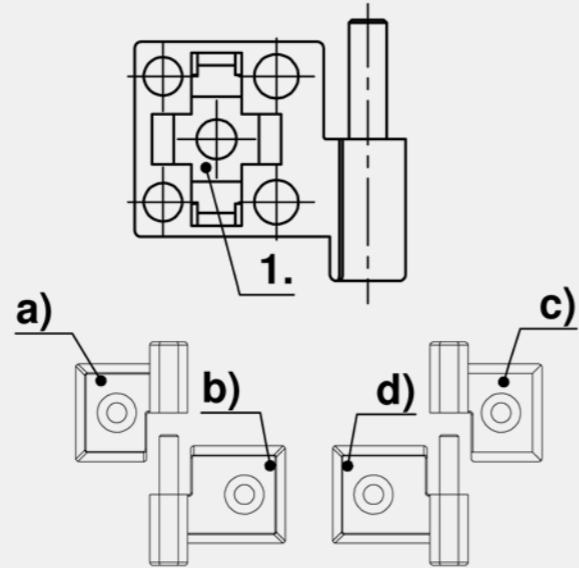
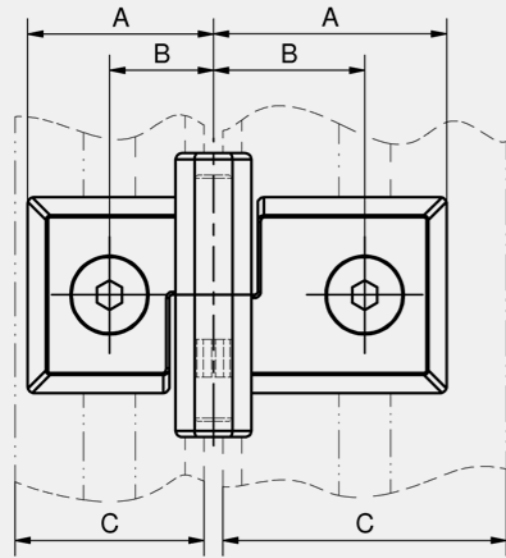
Hinge halves, version LH, zinc die, blasted chrome plated

	Part Number	Pin	Dimension A	Dimension B	for profile width C	Combinable with	Pin version	Installation type	Delivery Unit
c)	265-0102.01-00000		29.5 mm	16.5 mm	30	d	pressed in	screw-on	10 pcs.
c)	265-0202.01-00000		32 mm	19 mm	35	d	pressed in	screw-on	10 pcs.
c)	265-0502.01-00000		39.5 mm	26.5 mm	50	d	pressed in	screw-on	10 pcs.
d)	265-8701.00-00000	Yes	29.5 mm	16.5 mm	30	c	pressed in	screw-on	10 pcs.
d)	265-8705.00-00000	Yes	32 mm	19 mm	35	c	pressed in	screw-on	10 pcs.
d)	265-8709.00-00000	Yes	34.5 mm	21.5 mm	40	c	pressed in	screw-on	10 pcs.
d)	265-8717.00-00000	Yes	39.5 mm	26.5 mm	50	c	pressed in	screw-on	10 pcs.

Hinge halves, version LH, zinc die, black

	Part Number	Pin	Dimension A	Dimension B	for profile width C	Combinable with	Pin version	Installation type	Delivery Unit
c)	265-0102.02-00000		29.5 mm	16.5 mm	30	d	pressed in	screw-on	10 pcs.
c)	265-0202.02-00000		32 mm	19 mm	35	d	pressed in	screw-on	10 pcs.
c)	265-0502.02-00000		39.5 mm	26.5 mm	50	d	pressed in	screw-on	10 pcs.
d)	265-8702.00-00000	Yes	29.5 mm	16.5 mm	30	c	pressed in	screw-on	10 pcs.
d)	265-8718.00-00000	Yes	39.5 mm	26.5 mm	50	c	pressed in	screw-on	10 pcs.

Accessories									
756 4-248 Tenon Blocks and Anti-twist Protection									





**Advantages**

- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH and LH version.
- 180° Opening angle.
- Lift-off.
- IP65 according to DIN EN 60529.
- Installation tool-less or tool-less / screw-on.

**Materials**

- **Hinge halves:** zinc die, black
- **Pin and washer:** stainless steel
- **O-rings:** NBR
- **Snap-wedges:** sintered steel, zinc plated

**Remarks**

1. washer
2. o-ring

Hinge, version LH

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
a)	418-9011.00-00010	0.7 - 1.2 mm	pressed in	tool-less	10 pcs.
a)	418-9011.00-00015	1.2 - 1.7 mm	pressed in	tool-less	10 pcs.
a)	418-9011.00-00020	1.7 - 2.2 mm	pressed in	tool-less	10 pcs.
a)	418-9011.00-00025	2.2 - 2.7 mm	pressed in	tool-less	10 pcs.
a)	418-9011.00-00030	2.7 - 3.2 mm	pressed in	tool-less	10 pcs.

Hinge, version RH

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
b)	418-9008.00-00010	0.7 - 1.2 mm	pressed in	tool-less	10 pcs.
b)	418-9008.00-00015	1.2 - 1.7 mm	pressed in	tool-less	10 pcs.
b)	418-9008.00-00020	1.7 - 2.2 mm	pressed in	tool-less	10 pcs.
b)	418-9008.00-00025	2.2 - 2.7 mm	pressed in	tool-less	10 pcs.
b)	418-9008.00-00030	2.7 - 3.2 mm	pressed in	tool-less	10 pcs.

Hinge, pin pressed into screw-on half, LH

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
c)	418-9009.00-00010	0.7 - 1.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9009.00-00015	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9009.00-00020	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9009.00-00025	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9009.00-00030	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.

Hinge, pin pressed into screw-on half, RH

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
d)	418-9006.00-00010	0.7 - 1.2 mm	pressed in	tool-less / screw-on	10 pcs.
d)	418-9006.00-00015	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
d)	418-9006.00-00020	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
d)	418-9006.00-00025	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
d)	418-9006.00-00030	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.

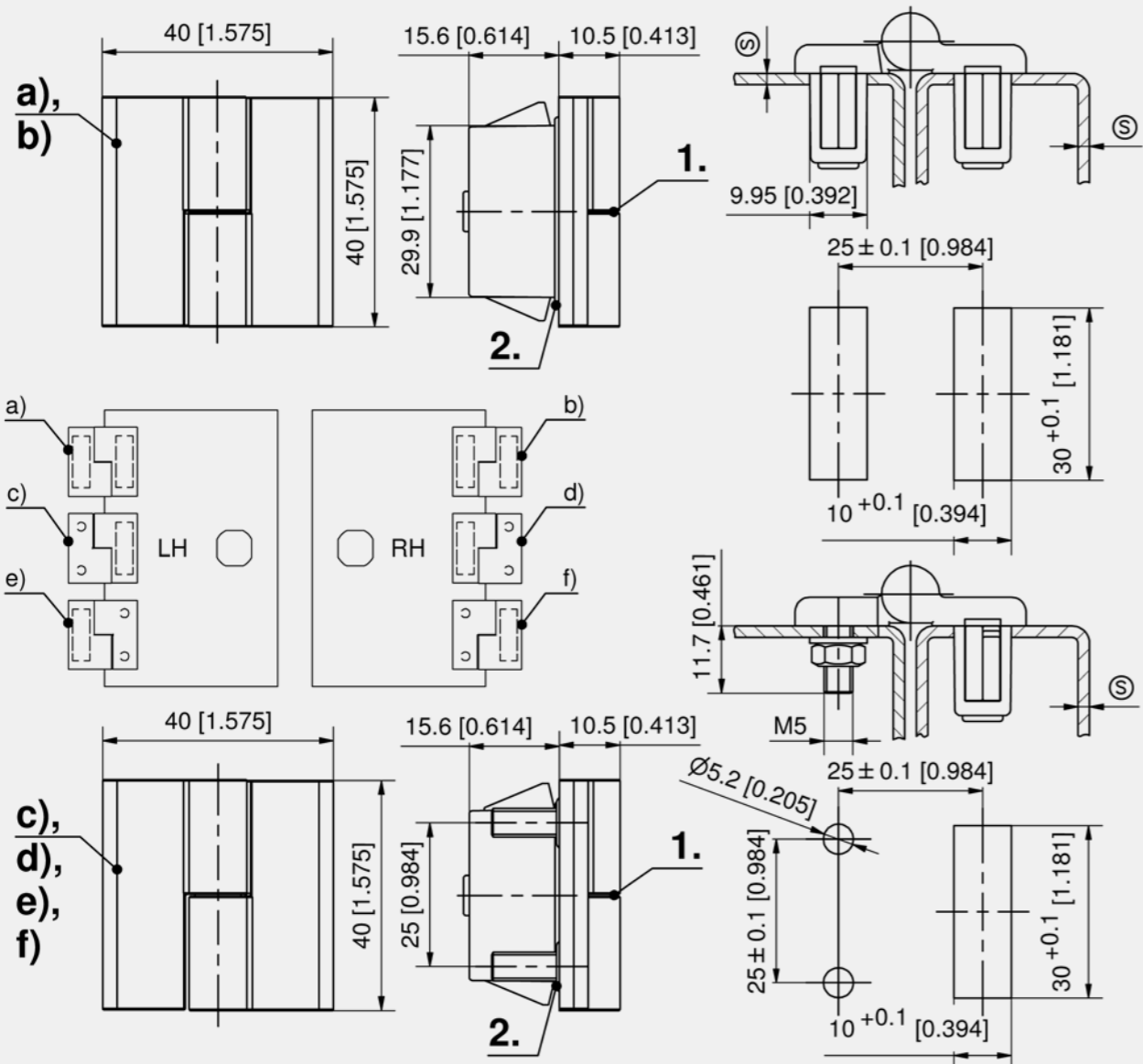
Hinge, pin pressed into DST-half, LH

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
e)	418-9012.00-00010	0.7 - 1.2 mm	pressed in	tool-less / screw-on	10 pcs.
e)	418-9012.00-00015	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
e)	418-9012.00-00020	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
e)	418-9012.00-00025	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
e)	418-9012.00-00030	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.

Hinge, pin pressed into DST-half, RH

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
f)	418-9013.00-00010	0.7 - 1.2 mm	pressed in	tool-less / screw-on	10 pcs.
f)	418-9013.00-00015	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
f)	418-9013.00-00020	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
f)	418-9013.00-00025	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
f)	418-9013.00-00030	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
+	764 292-0306.80-02530 Tool for uninstallation
	762 292-0401.00-03010 Cutout-cover
	763 292-0702.15-01030 Reinforcement plate for cutout





**Advantages**

- Screw-on hinge 40x40mm with molded in countersunk screws M5.
- For nested doors.
- Hinge visible.
- RH and LH version.
- 180° Opening angle.
- Lift-off.
- IP65 according to DIN EN 60529.

**Materials**

- **Hinge halves:** zinc die, black
- **Pin and washer:** stainless steel
- **O-ring:** NBR

**Remarks**

1. washer
2. o-ring



**Advantages**

- Screw-on hinge with or without grounding.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

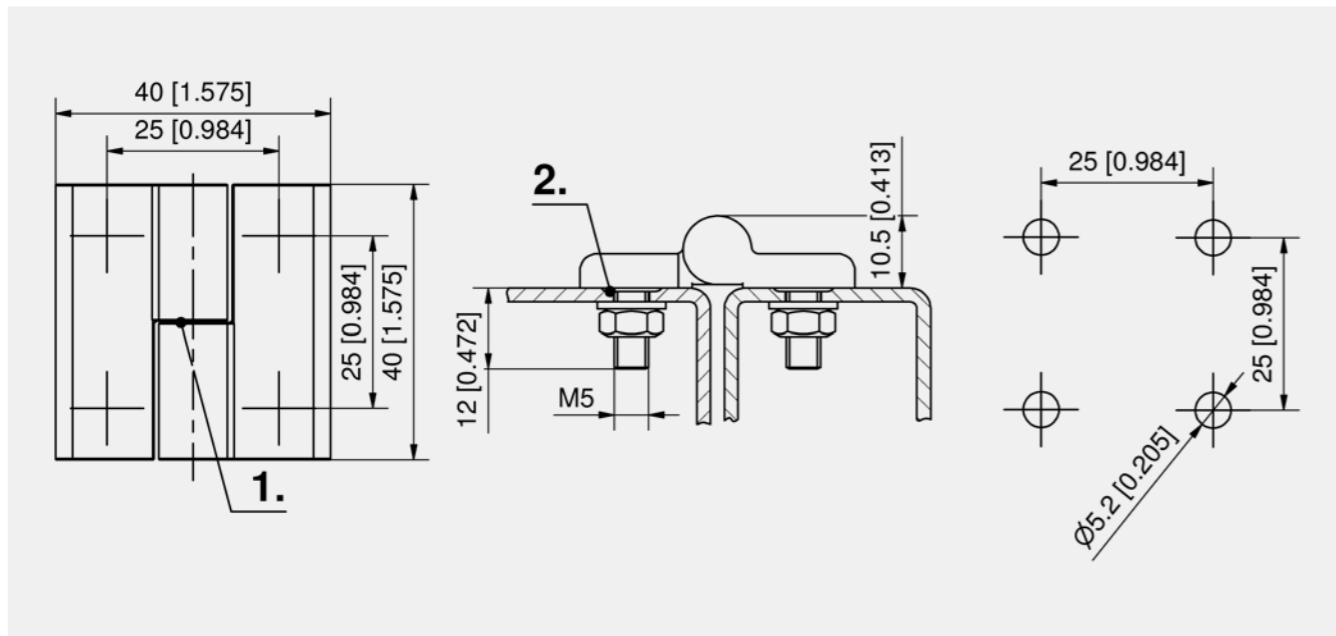
- **Hinge halves:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel
- **Molded in screws and grounding washer:** steel, zinc plated
- **Spring:** spring steel

**Remarks**

\*Grounding version c): limited current carrying capacity, 4 grounding discs required (not included in the scope of delivery).

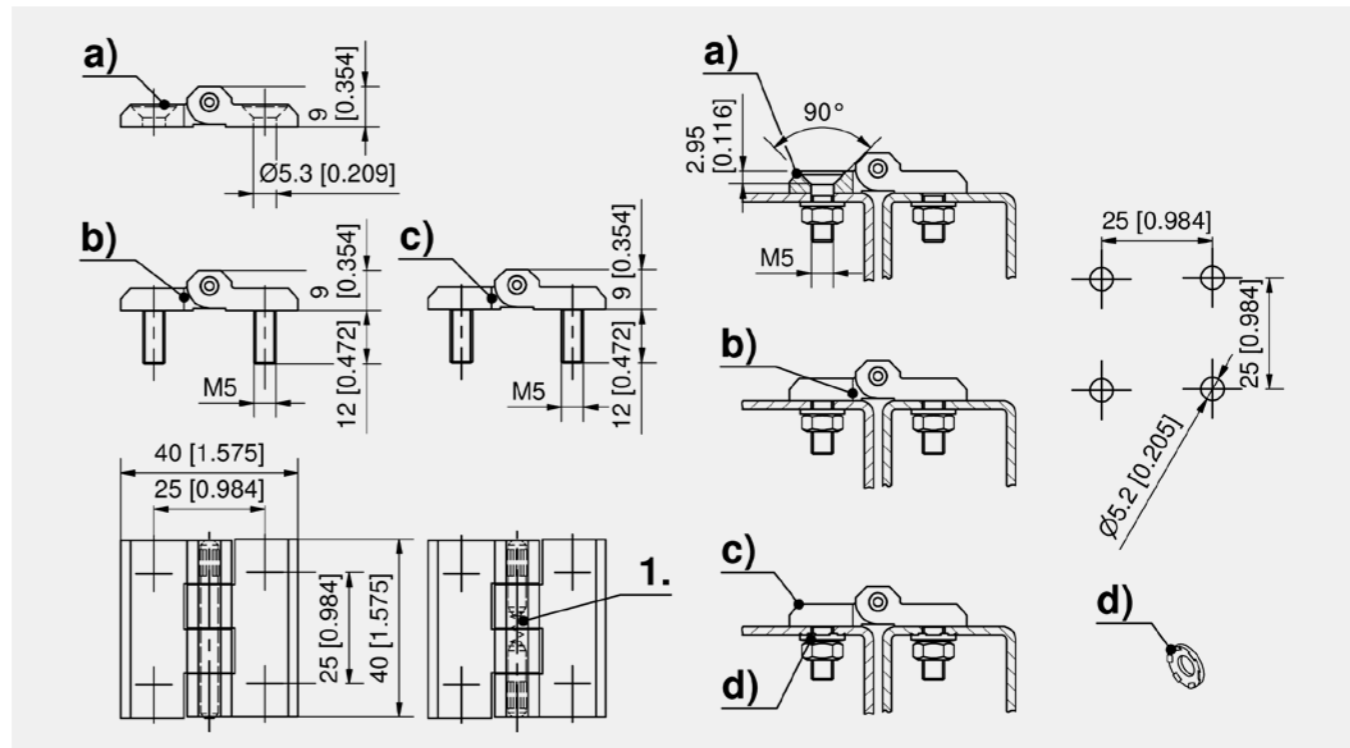
Combination of versions a) and b) on request.

1. contact spring



Hinge

Part Number	Version	Pin version	Installation type	Delivery Unit
218-9010.00-00000	RH version	pressed in	screw-on	10 pcs.
218-9011.00-00000	LH version	pressed in	screw-on	10 pcs.



Hinge, zinc die

	Part Number	Version	Surface	Material pin	Grounding type	Pin version	Installation type	Delivery Unit
a)	218-9003.00-00000	with countersunk holes for M5	blasted chrome plated	stainless steel		pressed in	screw-on	10 pcs.
a)	218-9004.00-00000	with countersunk holes for M5	black	stainless steel		pressed in	screw-on	10 pcs.
b)	218-9001.00-00000	with molded in countersunk screws M5	blasted chrome plated	stainless steel		pressed in	screw-on	10 pcs.
b)	218-9002.00-00000	with molded in countersunk screws M5	black	stainless steel		pressed in	screw-on	10 pcs.
c)	218-9402.00-00000	with molded in countersunk screws M5	black	steel, zinc plated	Grounding washer	pressed in	screw-on	10 pcs.

Accessories	
d)	861-0176.07-00005 Grounding washer





**Advantages**

- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Installation tool-less or tool-less / screw-on.

**Materials**

- Hinge halves:** zinc die, black
- Pin:** stainless steel
- Snap wedges:** sintered steel, zinc plated

**Remarks**

Other data and dimensions see product system 4-250.



**Advantages**

- For nested doors.
- Hinge visible.
- RH and LH version.
- 180° Opening angle.
- Lift-off.
- Vandal-proof by fastening from the inside with screws M6.
- Spacer for door thicknesses of 1.5mm and 2mm.
- Insensitivity against dirt due to bevelled edges.

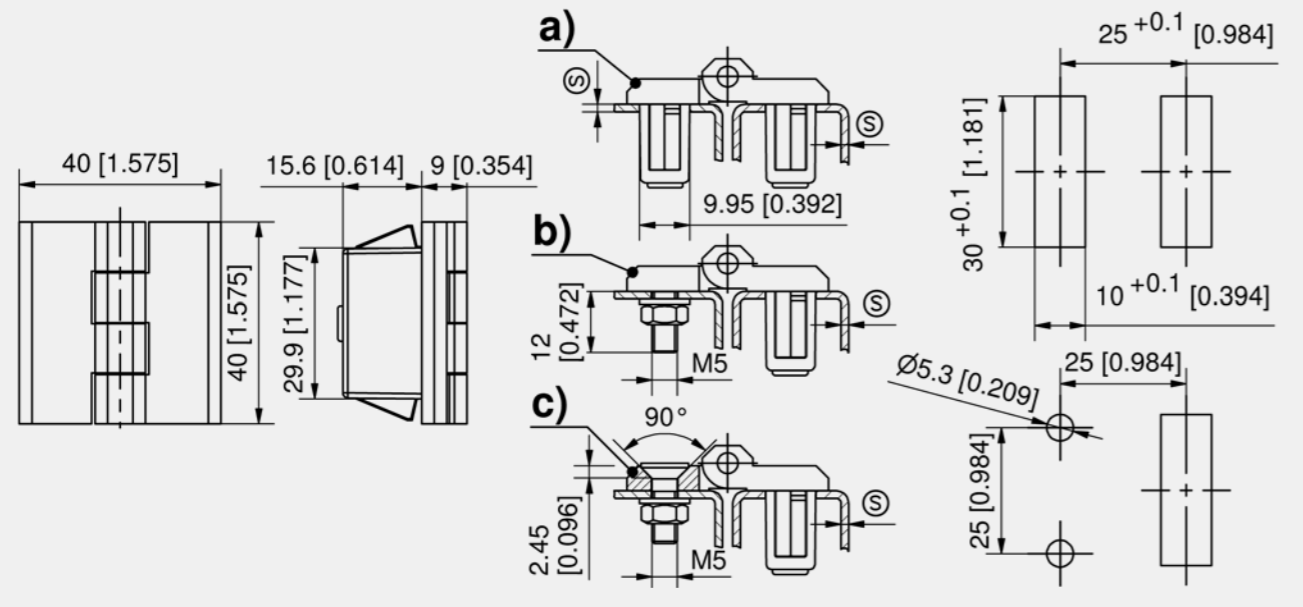
**Materials**

- Hinge halves, pin and spacer:** AISI 316
- Washer:** AISI 303

**Remarks**

1. spacer

Hinges



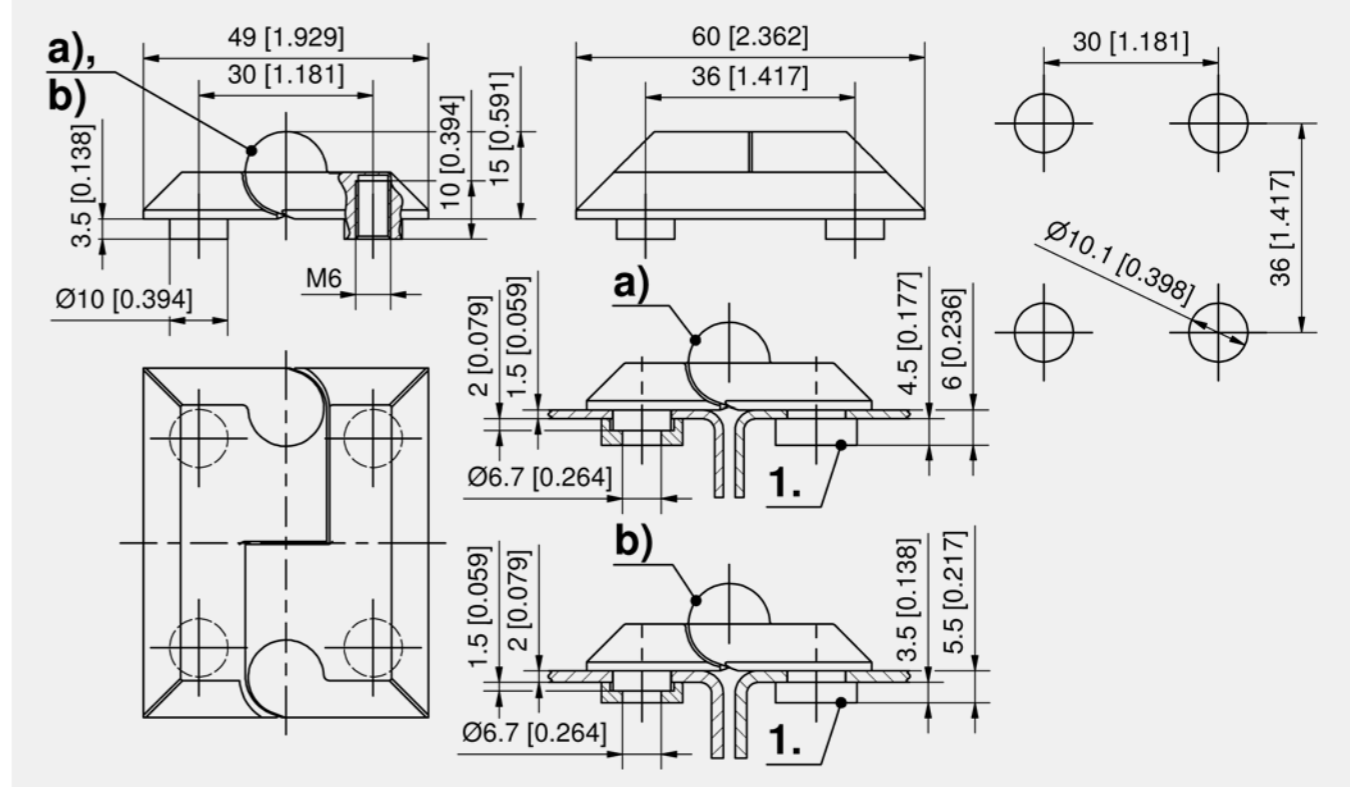
Hinge

	Part Number	Version	Clamping range (S)	Pin version	Installation type	Delivery Unit
a)	418-9001.00-00015	clip-in	1.2 - 1.7 mm	pressed in	tool-less	10 pcs.
a)	418-9001.00-00020	clip-in	1.7 - 2.2 mm	pressed in	tool-less	10 pcs.
a)	418-9001.00-00025	clip-in	2.2 - 2.7 mm	pressed in	tool-less	10 pcs.
a)	418-9001.00-00030	clip-in	2.7 - 3.2 mm	pressed in	tool-less	10 pcs.
b)	418-9002.00-00015	with molded in countersunk screws M5	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9002.00-00020	with molded in countersunk screws M5	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9002.00-00025	with molded in countersunk screws M5	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9002.00-00030	with molded in countersunk screws M5	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9003.00-00015	with countersunk holes for M5	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9003.00-00020	with countersunk holes for M5	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9003.00-00025	with countersunk holes for M5	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9003.00-00030	with countersunk holes for M5	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout

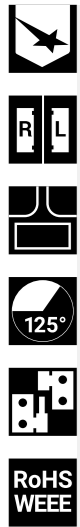


Hinges



Hinge

	Part Number	Version	Door-thickness (S)	Pin version	Installation type	Delivery Unit
a)	218-9012.00-00015	RH	1.5 mm	loose	screw-on	10 pcs.
b)	218-9012.00-00020	RH	2 mm	loose	screw-on	10 pcs.
a)	218-9013.00-00015	LH	1.5 mm	loose	screw-on	10 pcs.
b)	218-9013.00-00020	LH	2 mm	loose	screw-on	10 pcs.

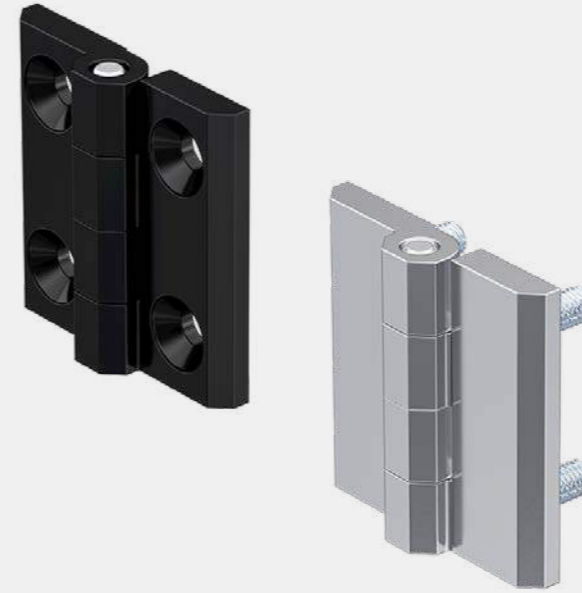


**Advantages**

- For nested doors.
- Hinge visible.
- 125° Opening angle.
- Lift-off.
- The double symmetrical layout allows RH and LH application.

**Materials**

- Hinge-parts and pin: AISI 316



**Advantages**

- Screw-on hinge with or without grounding.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

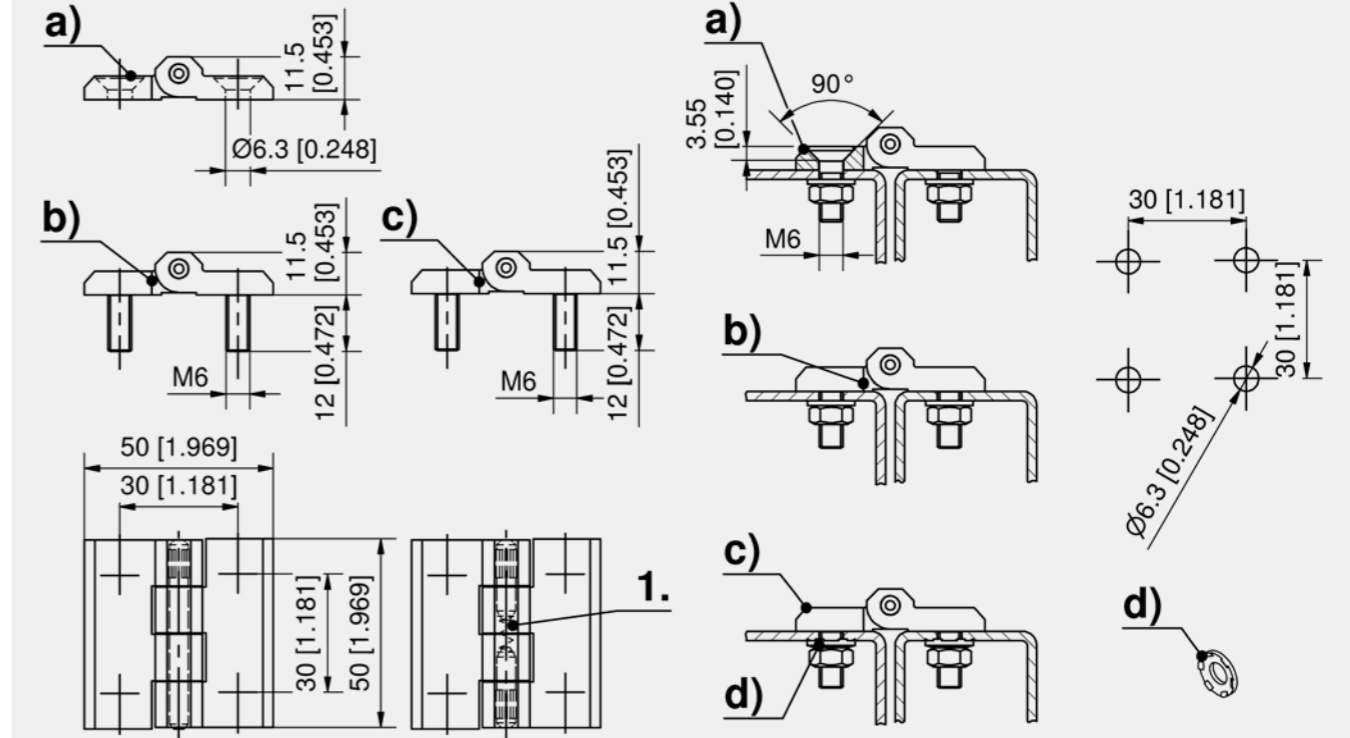
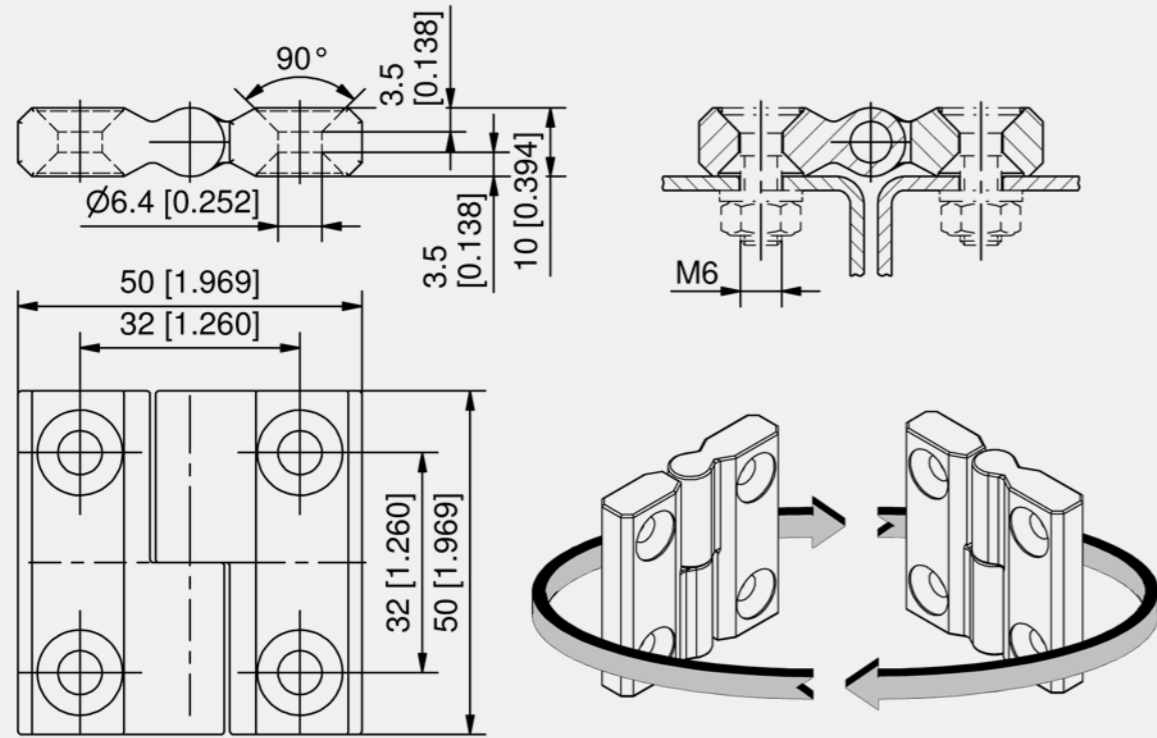
**Materials**

- Hinge halves: zinc die, blasted chrome plated or black
- Pin: stainless steel or steel, zinc plated
- Molded in screws and grounding washer: steel, zinc plated
- Spring: spring steel

**Remarks**

\*Grounding version c): limited current carrying capacity, 4 grounding washers required (not included in the scope of delivery).

- 1. contact spring
- Combination of versions a) and b) on request.



Hinge

Part Number	Width W	Height H	Pin version	Installation type	Delivery Unit
218-9119.00-00000	50 mm	50 mm	pressed in	screw-on	10 pcs.

Hinge, zinc die

	Part Number	Version	Surface	Material pin	Grounding type	Pin version	Installation type	Delivery Unit
a)	218-9103.00-00000	with countersunk holes for M6	blasted chrome plated	stainless steel		pressed in	screw-on	10 pcs.
a)	218-9104.00-00000	with countersunk holes for M6	black	stainless steel		pressed in	screw-on	10 pcs.
b)	218-9101.00-00000	with molded in screws M6	blasted chrome plated	stainless steel		pressed in	screw-on	10 pcs.
b)	218-9102.00-00000	with molded in screws M6	black	stainless steel		pressed in	screw-on	10 pcs.
c)	218-9412.00-00000	with molded in screws M6	black	steel, zinc plated	Grounding washer	pressed in	screw-on	10 pcs.

Accessories	
d)	800-0411.00-00000 Grounding washer





**Advantages**

- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Installation tool-less or tool-less / screw-on.
- Seismic-proof according to GR-63-CORE, Issue 4.

**Materials**

- Hinge halves:** zinc die, black
- Pin:** stainless steel
- Pin molded in:** steel, zinc plated
- Snap wedges:** sintered metal, coated

**Remarks**

Other data and dimensions see product system 4-260.



**Advantages**

- Grounding countersunk screw according to DIN 7500.
- According to DIN EN 61439-1 (VDE 0660-600-1):2012-06, EN 61439-1:2011.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

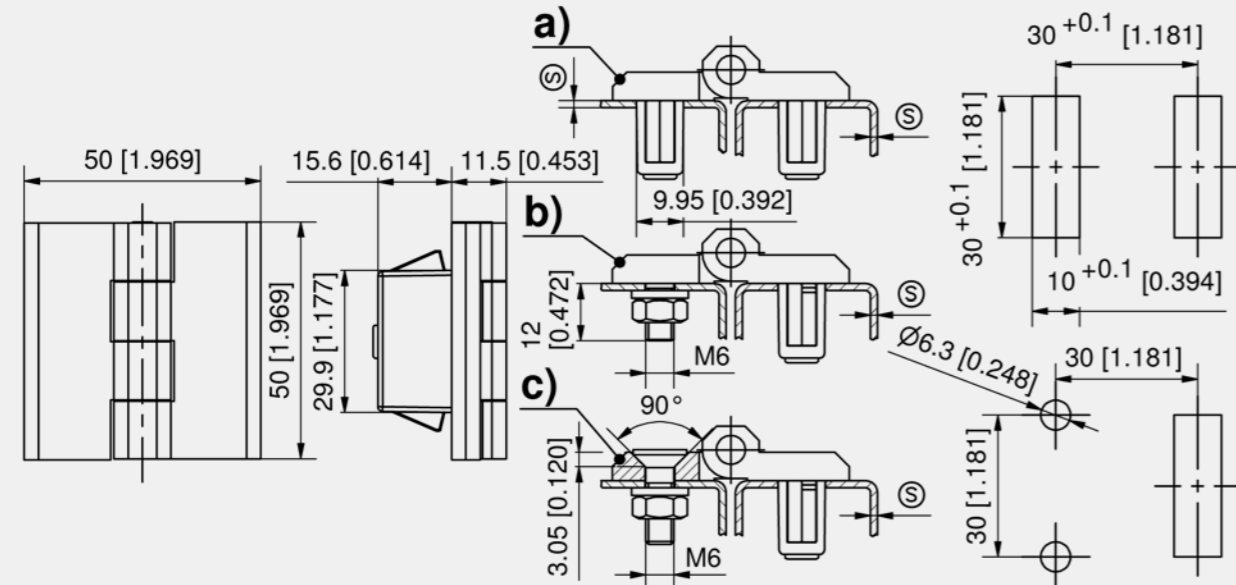
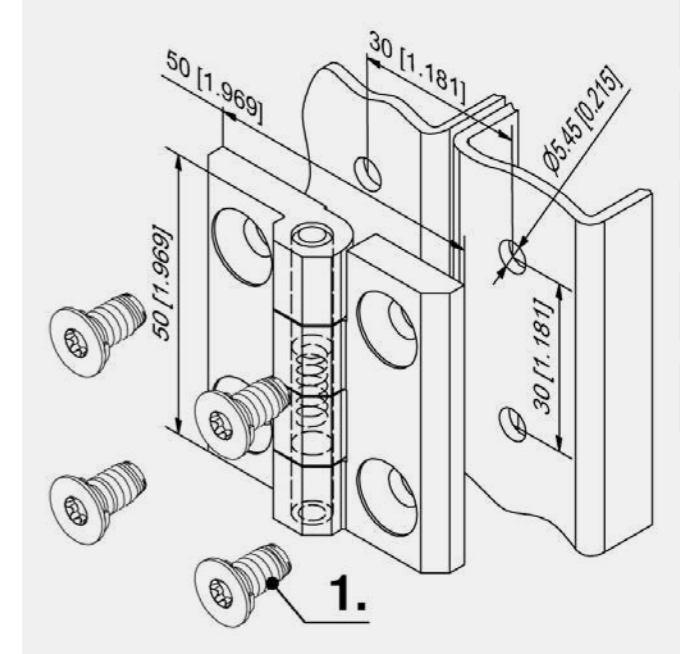
**Materials**

- Hinge halves:** zinc die, blasted chrome plated or black
- Pins:** AISI 303
- Spring:** spring steel
- Countersunk screw:** steel, zinc plated

**Remarks**

Other dimensions see produkt system 4-260.

(1.) Information about the grounding countersunk screw see produkt system 6-044.



Hinge

	Part Number	Version	Clamping range (S)	Pin version	Installation type	Delivery Unit
a)	418-9101.00-00015	clip-in	1.2 - 1.7 mm	pressed in	tool-less	10 pcs.
a)	418-9101.00-00020	clip-in	1.7 - 2.2 mm	pressed in	tool-less	10 pcs.
a)	418-9101.00-00025	clip-in	2.2 - 2.7 mm	pressed in	tool-less	10 pcs.
a)	418-9101.00-00030	clip-in	2.7 - 3.2 mm	pressed in	tool-less	10 pcs.
b)	418-9104.00-00015	with molded in screws M6	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9104.00-00020	with molded in screws M6	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9104.00-00025	with molded in screws M6	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9104.00-00030	with molded in screws M6	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9106.00-00015	with countersunk holes for M6	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9106.00-00020	with countersunk holes for M6	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9106.00-00025	with countersunk holes for M6	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9106.00-00030	with countersunk holes for M6	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories

- 764 292-0306.80-02530 Tool for uninstallation
- 762 292-0401.00-03010 Cutout-cover
- 763 292-0702.15-01030 Reinforcement plate for cutout

Hinge with grounding countersunk screw M6

Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
218-9103.00-00002	with countersunk holes for M6	blasted chrome plated	pressed in	screw-on	10 pcs.
218-9104.00-00002	with countersunk holes for M6	black	pressed in	screw-on	10 pcs.

Hinge 76x50 Pr01 180° with Grounding Countersunk Screw



**Advantages**

- Grounding countersunk screw according to DIN 7500.
- According to DIN EN 61439-1 (VDE 0660-600-1):2012-06, EN 61439-1:2011.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

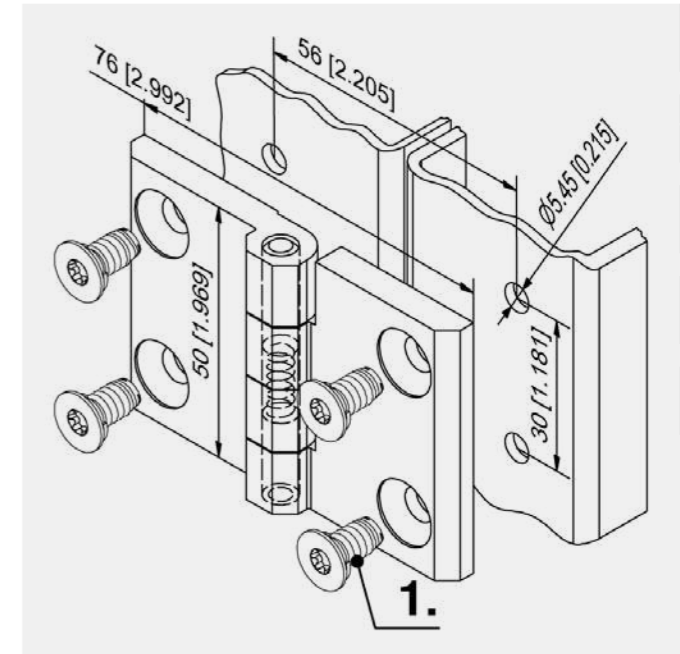
**Materials**

- Hinge halves:** zinc die, blasted chrome plated or black
- Pins:** AISI 303
- Spring:** spring steel
- Countersunk screw:** steel, zinc plated

**Remarks**

Other dimensions see produkt system 4-262.

(1.) Information about the grounding countersunk screw see produkt system 6-044.



Hinge with grounding countersunk screw M6

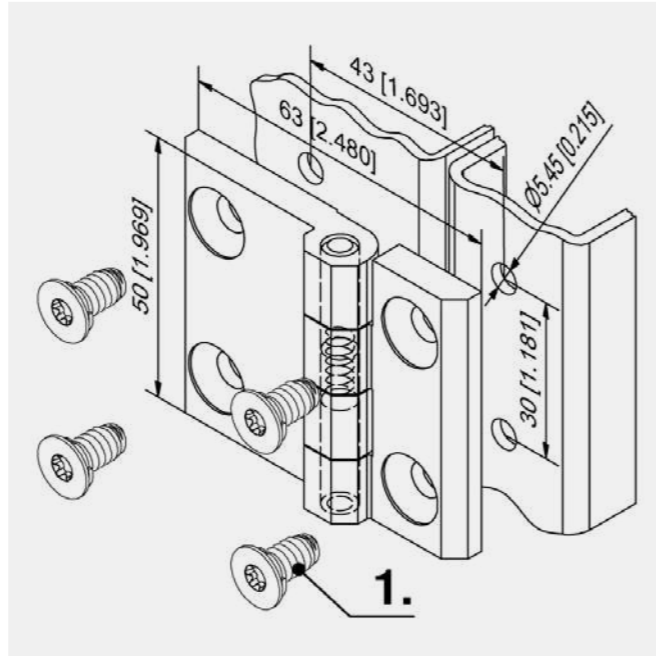
Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
218-9107.00-00002	with countersunk holes for M6	blasted chrome plated	pressed in	screw-on	10 pcs.
218-9108.00-00002	with countersunk holes for M6	black	pressed in	screw-on	10 pcs.



Hinge 63x50 Pr01 180° with Grounding Countersunk Screw [4-264.01]



- Advantages**
- Grounding countersunk screw according to DIN 7500.
  - According to DIN EN 61439-1 (VDE 0660-600-1):2012-06, EN 61439-1:2011.
  - For nested doors.
  - Hinge visible.
  - RH / LH application.
  - 180° Opening angle.
- Materials**
- **Hinge halves:** zinc die, blasted chrome plated or black
  - **Pins:** AISI 303
  - **Spring:** spring steel
  - **Countersunk screw:** steel, zinc plated
- Remarks**
- Other dimensions see produkt system 4-264.
- (1.) Information about the grounding countersunk screw see produkt system 6-044.



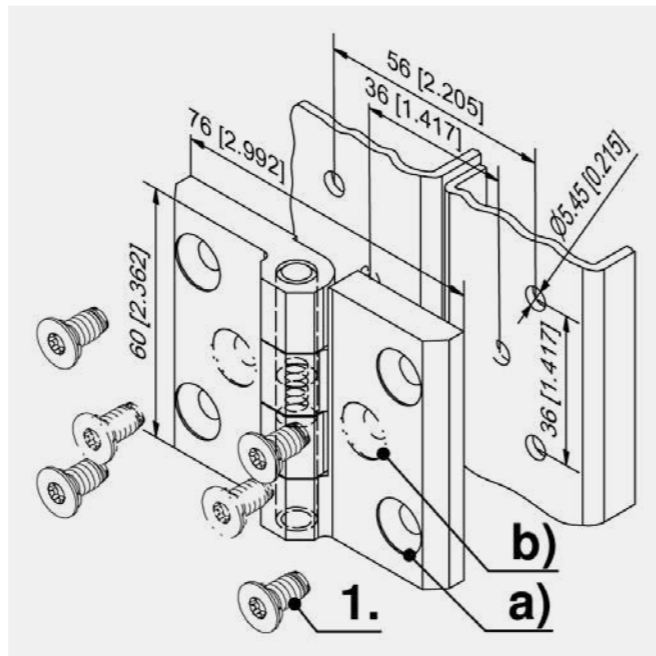
Hinge with grounding countersunk screw M6

Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
218-9109.00-00002	with countersunk holes for M6	blasted chrome plated	pressed in	screw-on	10 pcs.
218-9110.00-00002	with countersunk holes for M6	black	pressed in	screw-on	10 pcs.

Hinge 76x60 Pr01 180° with Grounding Countersunk Screw [4-272.01]



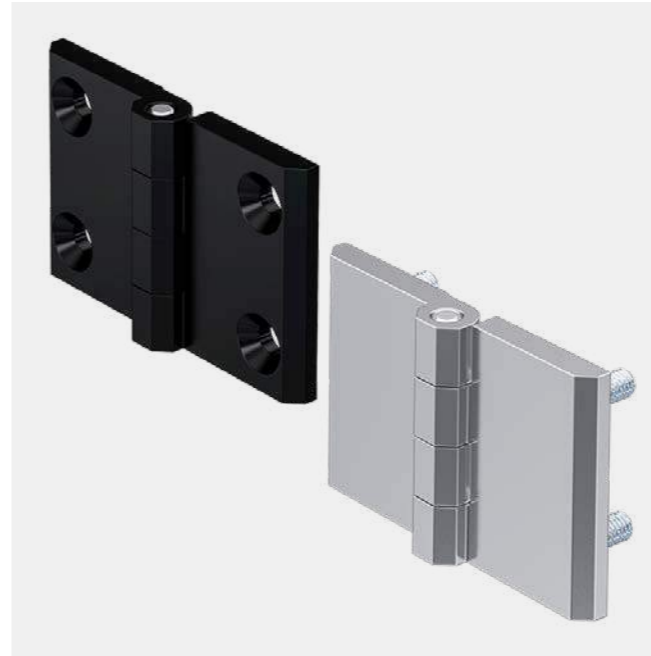
- Advantages**
- Grounding countersunk screw according to DIN 7500.
  - According to DIN EN 61439-1 (VDE 0660-600-1):2012-06, EN 61439-1:2011.
  - For nested doors.
  - Hinge visible.
  - RH / LH application.
  - 180° Opening angle.
- Materials**
- **Hinge halves:** zinc die, blasted chrome plated or black
  - **Pins:** AISI 303
  - **Spring:** spring steel
  - **Countersunk screw:** steel, zinc plated
- Remarks**
- Other dimensions see produkt system 4-272.
- (1.) Information about the grounding countersunk screw see produkt system 6-044.



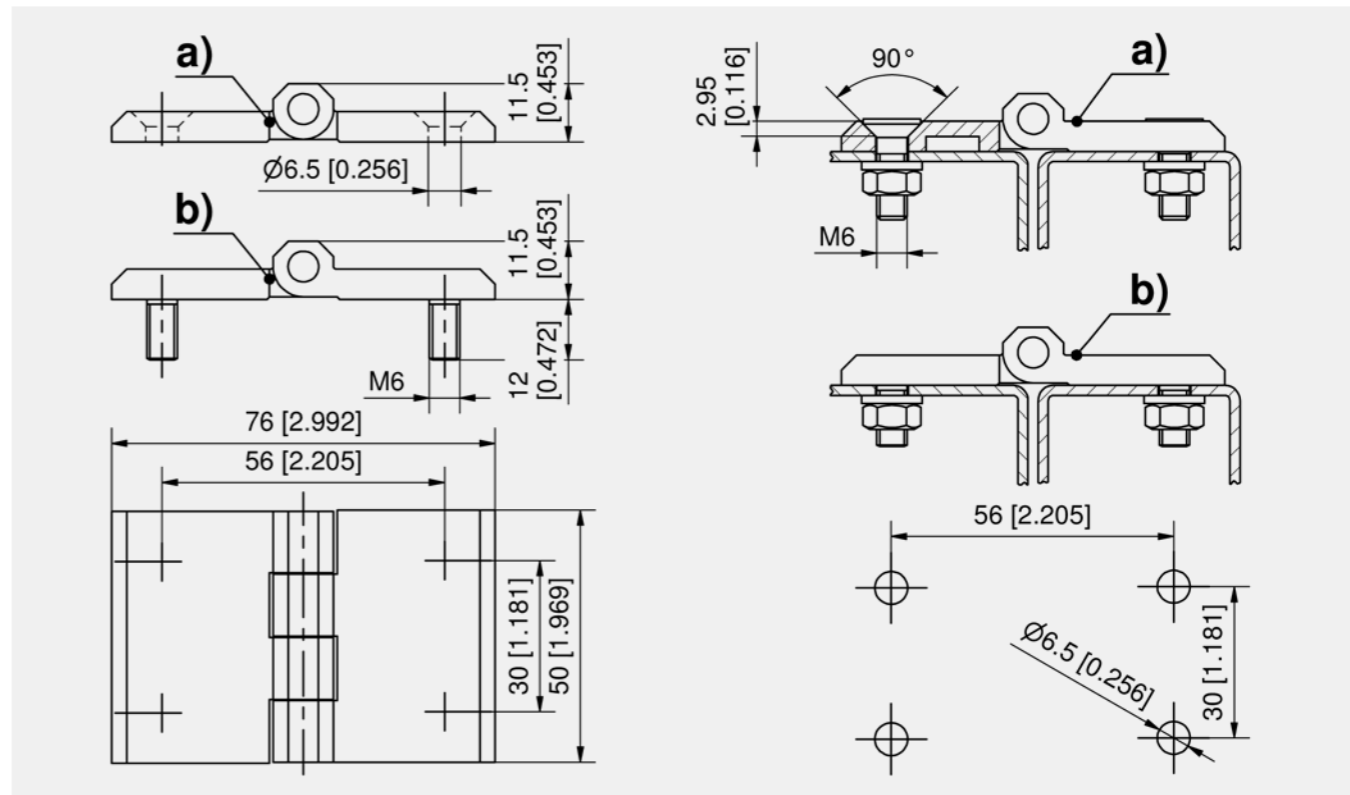
Hinge with grounding countersunk screw M6

Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
a) 218-9205.00-00002	with 4 countersunk holes for M6	blasted chrome plated	pressed in	screw-on	10 pcs.
a) 218-9206.00-00002	with 4 countersunk holes for M6	black	pressed in	screw-on	10 pcs.
b) 218-9207.00-00002	with 6 countersunk holes for M6	blasted chrome plated	pressed in	screw-on	10 pcs.
b) 218-9208.00-00002	with 6 countersunk holes for M6	black	pressed in	screw-on	10 pcs.

Hinge 76x50 Pr01 270° [4-262]



- Advantages**
- Screw-on hinge.
  - For nested doors.
  - Hinge visible.
  - RH / LH application.
  - 270° Opening angle.
  - Version b) allows application around corner.
- Materials**
- **Hinge halves:** zinc die, blasted chrome plated or black
  - **Pin:** stainless steel
  - **Molded in screws:** steel, zinc plated
- Remarks**
- Combination of versions a) and b) on request.



Hinge, zinc die

Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
a) 218-9107.00-00000	with countersunk holes for M6	blasted chrome plated	pressed in	screw-on	10 pcs.
a) 218-9108.00-00000	with countersunk holes for M6	black	pressed in	screw-on	10 pcs.
b) 218-9105.00-00000	with molded in screws M6	blasted chrome plated	pressed in	screw-on	10 pcs.
b) 218-9106.00-00000	with molded in screws M6	black	pressed in	screw-on	10 pcs.







**Advantages**

- Screw-on hinge.
- For nested doors.
- Hinge visible
- RH / LH application.
- 270° Opening angle.

**Materials**

- **Hinge halves:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel
- **Molded in screws:** steel, zinc plated

**Advantages**

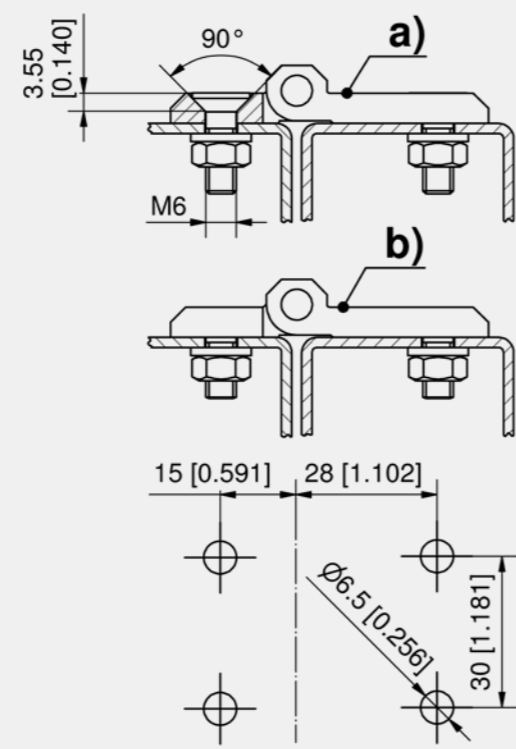
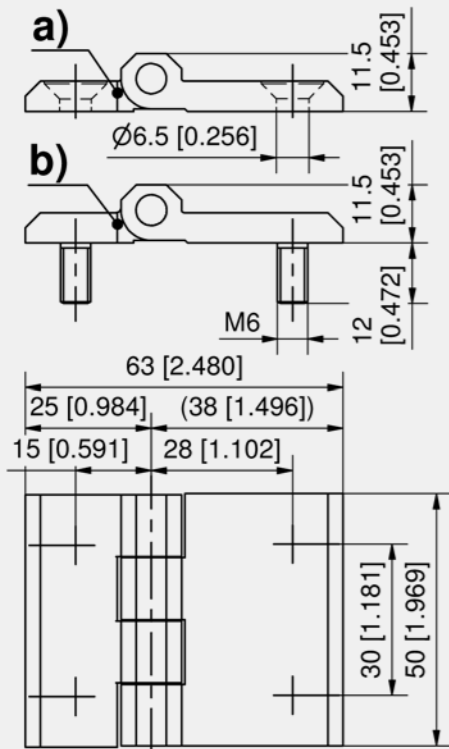
- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Combination: the short hinge half with DST, the long hinge half with molded in countersunk screws or with countersunk holes.

**Materials**

- **Hinge-parts:** zinc die, black
- **Pin:** stainless steel
- **Snap wedges:** sintered steel, zinc plated

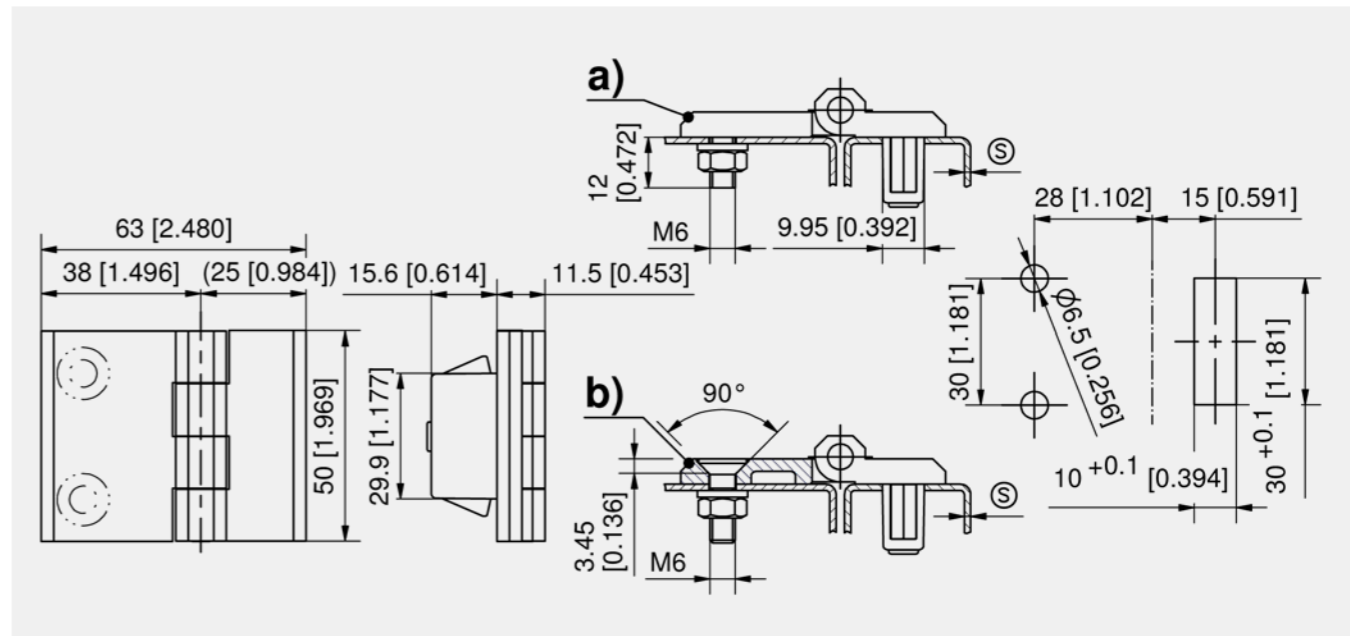
**Remarks**

Allows for corner applications.



Hinge, zinc die

	Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
a)	218-9109.00-00000	with countersunk holes for M6	blasted chrome plated	pressed in	screw-on	10 pcs.
a)	218-9110.00-00000	with countersunk holes for M6	black	pressed in	screw-on	10 pcs.
b)	218-9124.00-00000	with molded in screws M6	blasted chrome plated	pressed in	screw-on	10 pcs.
b)	218-9125.00-00000	with molded in screws M6	black	pressed in	screw-on	10 pcs.



Hinge

	Part Number	Clamping range (S)	Version	Pin version	Installation type	Delivery Unit
a)	418-9103.00-00015	1.2 - 1.7 mm	with molded in screws M6	pressed in	tool-less / screw-on	10 pcs.
a)	418-9103.00-00020	1.7 - 2.2 mm	with molded in screws M6	pressed in	tool-less / screw-on	10 pcs.
a)	418-9103.00-00025	2.2 - 2.7 mm	with molded in screws M6	pressed in	tool-less / screw-on	10 pcs.
a)	418-9103.00-00030	2.7 - 3.2 mm	with molded in screws M6	pressed in	tool-less / screw-on	10 pcs.
b)	418-9102.00-00015	1.2 - 1.7 mm	with countersunk holes for M6	pressed in	tool-less / screw-on	10 pcs.
b)	418-9102.00-00020	1.7 - 2.2 mm	with countersunk holes for M6	pressed in	tool-less / screw-on	10 pcs.
b)	418-9102.00-00025	2.2 - 2.7 mm	with countersunk holes for M6	pressed in	tool-less / screw-on	10 pcs.
b)	418-9102.00-00030	2.7 - 3.2 mm	with countersunk holes for M6	pressed in	tool-less / screw-on	10 pcs.



Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout



Hinge PA, 60x40 Pr01 180°

[4-400]



Advantages

- For nested doors.
- Hinge visible.
- Captive pin protected against loosening and falling out.
- RH / LH application.
- 180° Opening angle.
- Tight tolerance in knuckles ensures proper alignment.
- 6-part knuckle pin assembly.
- Lightweight.
- Corrosion resistant.
- Rounded edges.

Materials

■ Hinge: PA6, black **UL 94 V0 halogen free**

Remarks

1. fastening by countersunk screws M6 x 16 according to DIN 7991 or DIN ISO 10642 and DIN 965 or DIN ISO 7046.

Hinge PA, 60x60 Pr01 180°

[4-401]



Advantages

- For nested doors.
- Hinge visible.
- RH/LH application.
- 180° Opening angle.
- Low weight.
- Corrosion resistant.

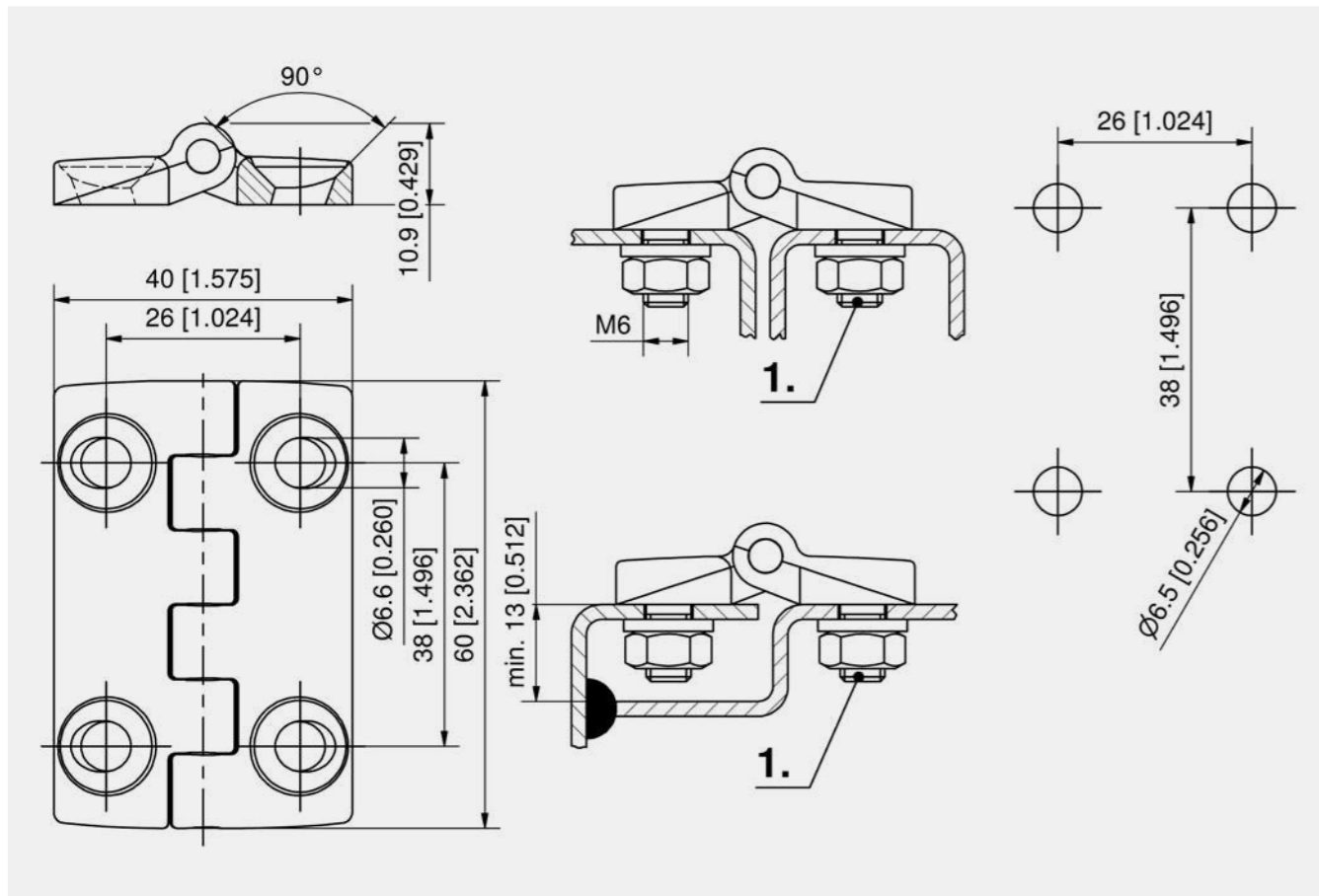
Materials

■ Hinge: PA, black  
■ Pin: stainless steel

Remarks

1. fastening with countersunk screw M8 DIN 7991 or DIN ISO 10642 and DIN 965 or DIN ISO 7046

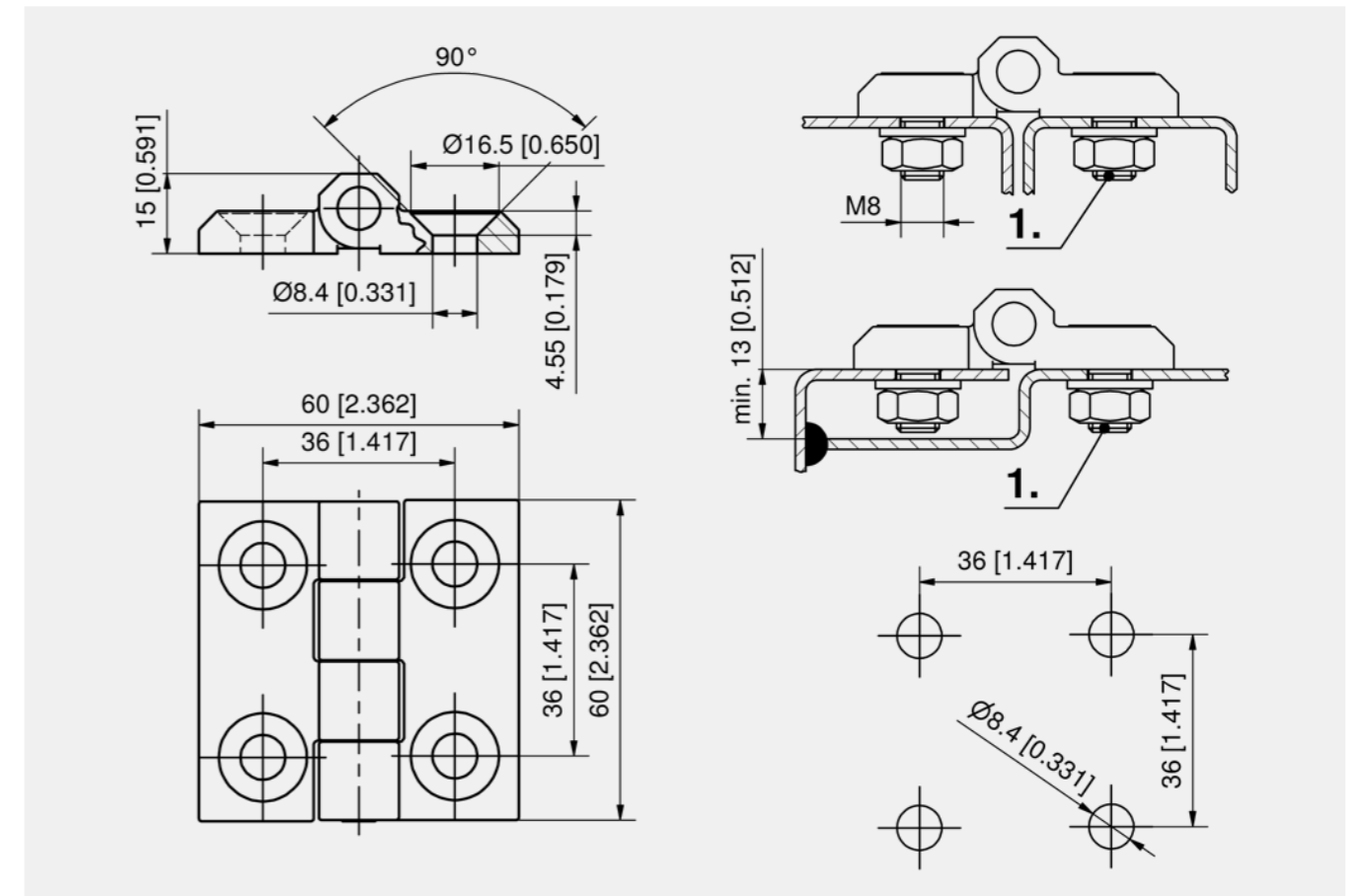
Hinges



Hinge

Part Number	Width W	Height H	Pin version	Installation type	Delivery Unit
218-9220.00-00000	40 mm	60 mm	cast-on	screw-on	100 pcs.

Hinges



Hinge

Part Number	Width W	Height H	Pin version	Installation type	Delivery Unit
218-9241.00-00000	60 mm	60 mm	pressed in	screw-on	10 pcs.





**Advantages**

- Screw-on hinge with or without grounding.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Hinge halves:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel or steel, zinc plated
- **Molded in screws and grounding washer:** steel, zinc plated
- **Spring:** spring steel

**Remarks**

\*Grounding version c): limited current carrying capacity, 4 grounding washers required (not included in the scope of delivery).

Combination of versions a) and b) on request.

1. contact spring



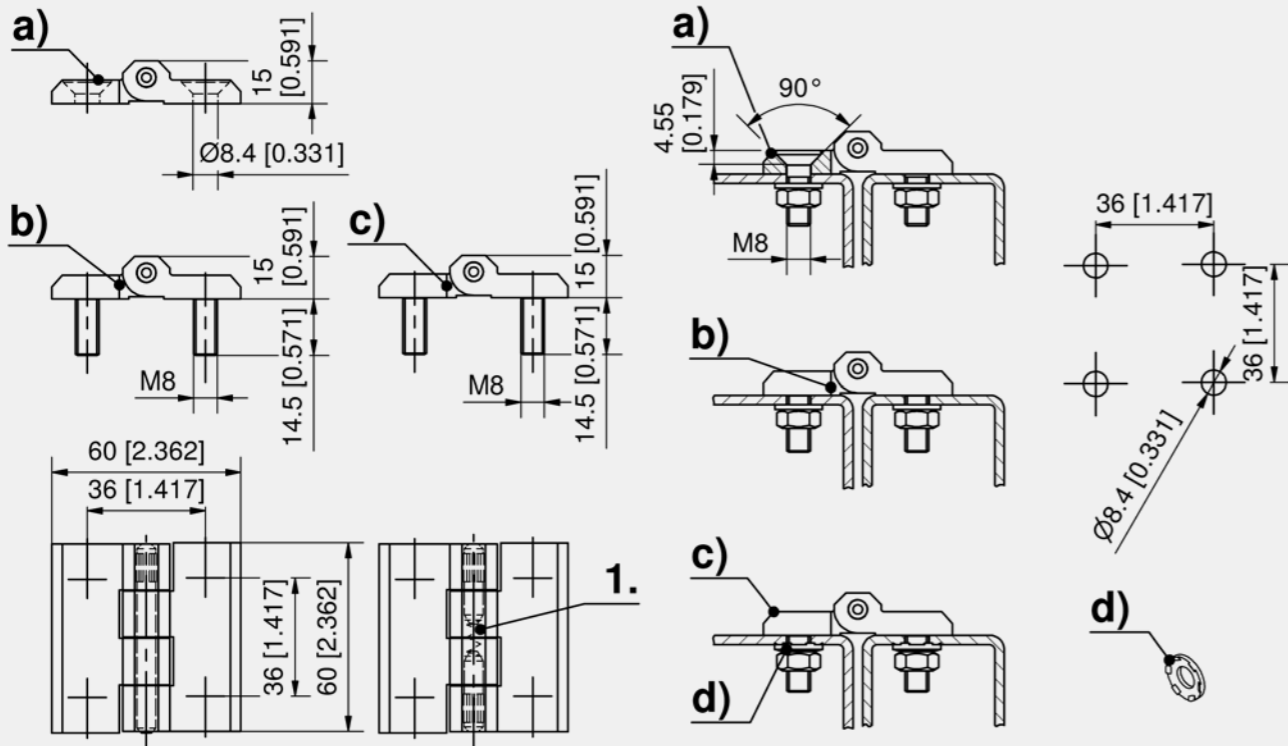
**Advantages**

- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Installation tool-less or tool-less / screw-on.

**Materials**

- **Hinge halves:** zinc die, black
- **Pin:** stainless steel
- **Pin molded in:** steel, zinc plated
- **Snap wedges:** sintered metal, coated

Hinges



Hinge, zinc die

	Part Number	Version	Surface	Material pin	Pin version	Installation type	Delivery Unit
a)	218-9203.00-00000	with countersunk holes for M8	blasted chrome plated	stainless steel	pressed in	screw-on	10 pcs.
a)	218-9204.00-00000	with countersunk holes for M8	black	stainless steel	pressed in	screw-on	10 pcs.
b)	218-9201.00-00000	Screws M8 molded in	blasted chrome plated	stainless steel	pressed in	screw-on	10 pcs.
b)	218-9202.00-00000	Screws M8 molded in	black	stainless steel	pressed in	screw-on	10 pcs.
c)	218-9422.00-00000	Screws M8 molded in	black	steel, zinc plated	pressed in	screw-on	10 pcs.

Function extension	
d)	861-0146.07-00008 Grounding washer



Hinge

	Part Number	Version	Clamping range (S)	Pin version	Installation type	Delivery Unit
a)	418-9202.00-00015	clip-in	1.2 - 1.7 mm	pressed in	tool-less	10 pcs.
a)	418-9202.00-00020	clip-in	1.7 - 2.2 mm	pressed in	tool-less	10 pcs.
a)	418-9202.00-00025	clip-in	2.2 - 2.7 mm	pressed in	tool-less	10 pcs.
a)	418-9202.00-00030	clip-in	2.7 - 3.2 mm	pressed in	tool-less	10 pcs.
a)	418-9202.00-00035	clip-in	3.2 - 3.7 mm	pressed in	tool-less	10 pcs.
b)	418-9203.00-00015	Screws M8 molded in	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9203.00-00020	Screws M8 molded in	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9203.00-00025	Screws M8 molded in	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
b)	418-9203.00-00030	Screws M8 molded in	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9208.00-00015	with countersunk holes for M8	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9208.00-00020	with countersunk holes for M8	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9208.00-00025	with countersunk holes for M8	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9208.00-00030	with countersunk holes for M8	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.
c)	418-9208.00-00035	with countersunk holes for M8	3.2 - 3.7 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
764	292-0301.15-00000 Tool for uninstallation
764	292-0306.80-02530 Tool for uninstallation
763	292-0701.15-01530 Reinforcement plate for cutout



Hinges



**Advantages**

- Screw-on hinge.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- Allowing application around corner.

**Materials**

- **Hinge halves:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel

**Remarks**

Combination of versions on request.



**Advantages**

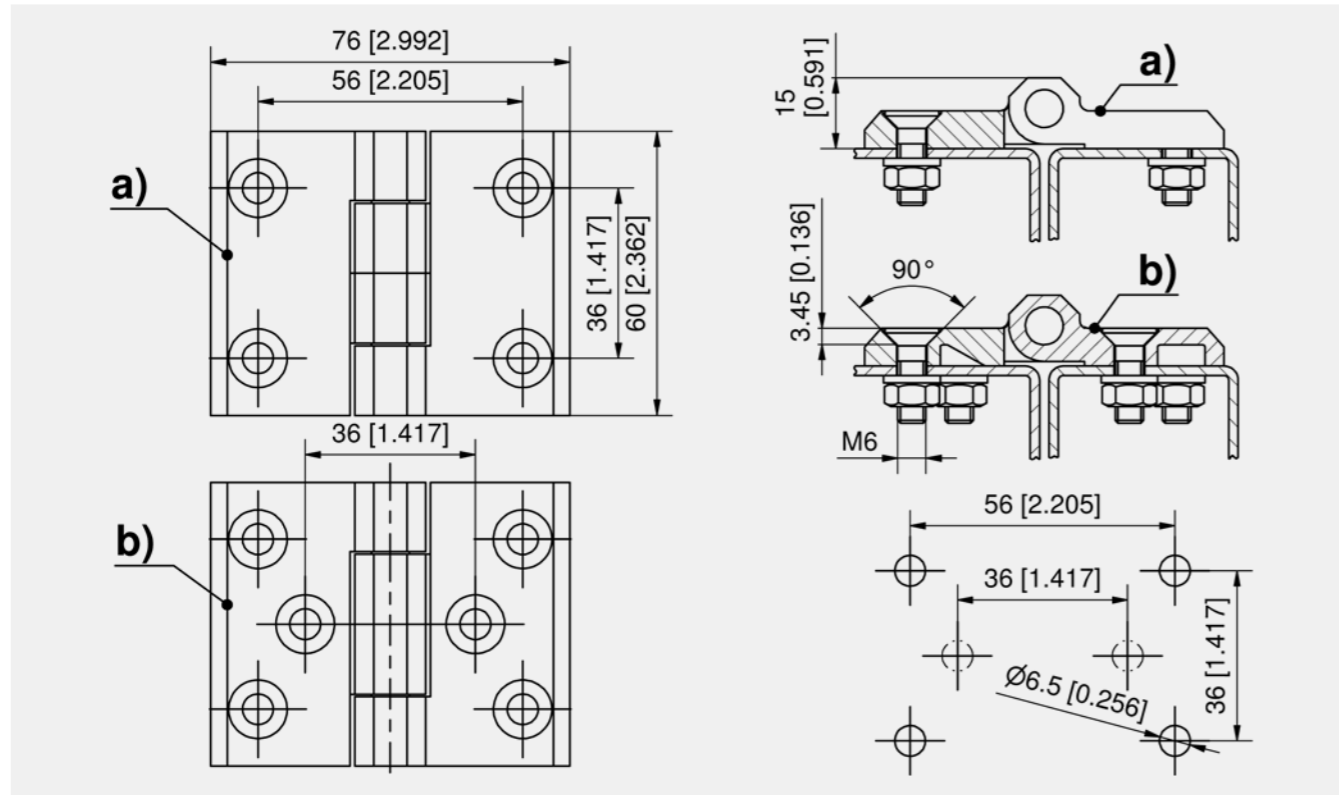
- Screw-on hinge for M8 countersunk screws.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.

**Materials**

- **Hinge halves:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel

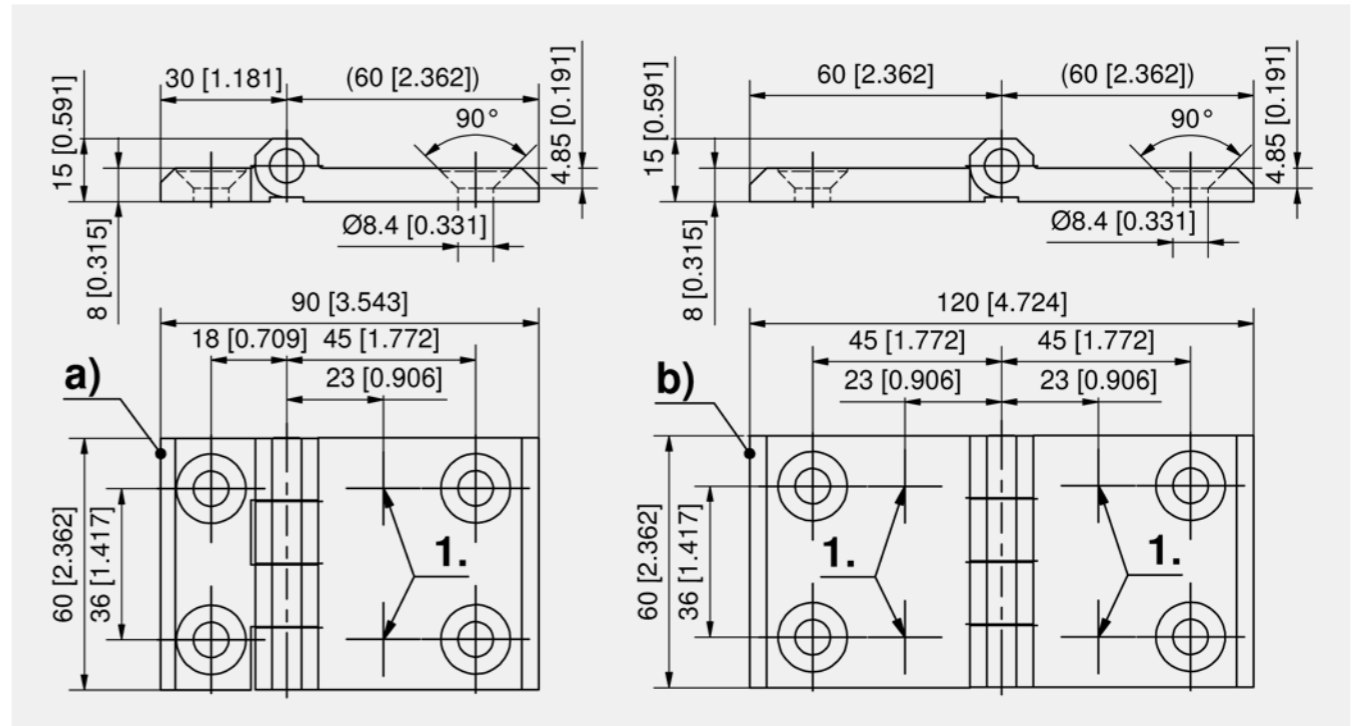
**Remarks**

1. drill holes are provided at these points, from the underside. They can be drilled out if required.



Hinge, zinc die

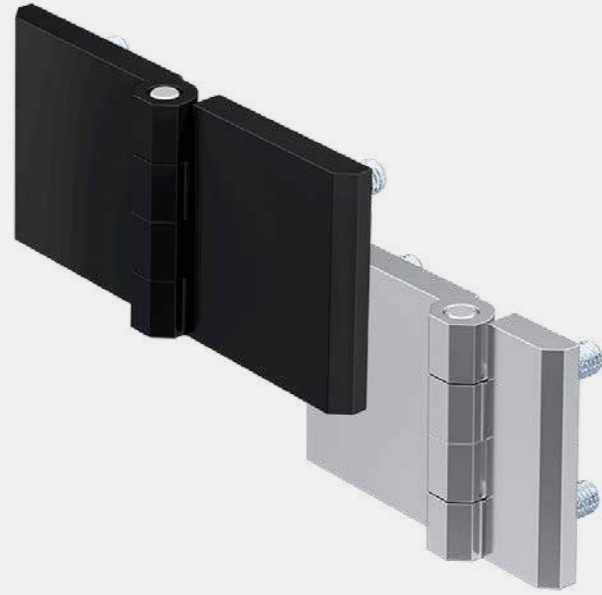
	Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
a)	218-9205.00-00000	for countersunk screws M6 with 4 holes	blasted chrome plated	pressed in	screw-on	10 pcs.
a)	218-9206.00-00000	for countersunk screws M6 with 4 holes	black	pressed in	screw-on	10 pcs.
b)	218-9207.00-00000	for countersunk screws M6 with 6 holes	blasted chrome plated	pressed in	screw-on	10 pcs.
b)	218-9208.00-00000	for countersunk screws M6 with 6 holes	black	pressed in	screw-on	10 pcs.



Hinge, zinc die

	Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
a)	218-9216.00-00000	different Hinge half lengths	blasted chrome plated	pressed in	screw-on	6 pcs.
a)	218-9218.00-00000	different Hinge half lengths	black	pressed in	screw-on	6 pcs.
b)	218-9217.00-00000	identical Hinge half lengths	blasted chrome plated	pressed in	screw-on	6 pcs.
b)	218-9219.00-00000	identical Hinge half lengths	black	pressed in	screw-on	6 pcs.





**Advantages**

- Screw-on hinge with M8 molded in screws.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.

**Materials**

- **Hinge halves:** zinc die, blasted chrome plated or black
- **Molded in screws:** steel, zinc plated
- **Pin:** stainless steel

**Remarks**

The short hinge half length is also available with countersunk holes, please see product system 4-270 and 4-272.

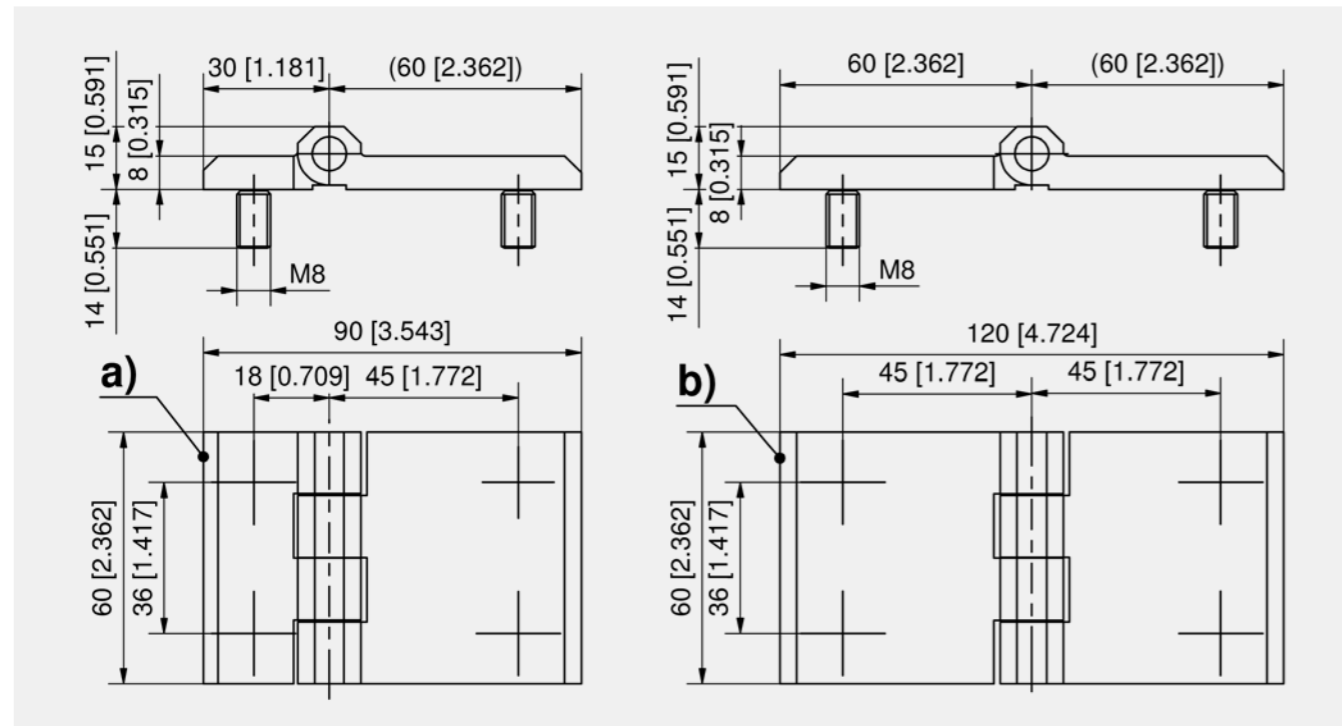


**Advantages**

- Hinge with DIRAK-SNAP-Technology.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- The short hinge half length is with DST, the long hinge half is with molded in countersunk screws or countersunk holes for M6.

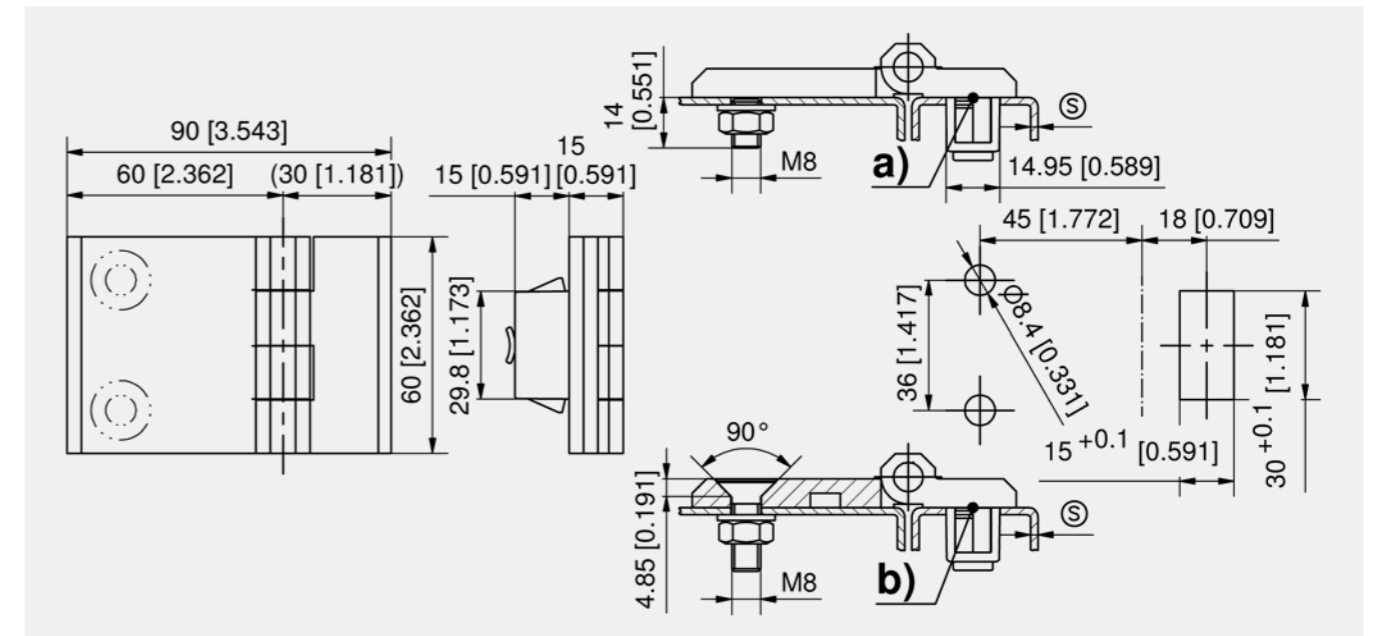
**Materials**

- **Hinge-parts:** zinc die, black
- **Pin:** stainless steel
- **Snap wedges:** sintered steel, zinc plated



Hinge, zinc die

	Part Number	Version	Surface	Pin version	Installation type	Delivery Unit
a)	218-9209.00-00000	different Hinge half lengths	blasted chrome plated	pressed in	screw-on	6 pcs.
a)	218-9210.00-00000	different Hinge half lengths	black	pressed in	screw-on	6 pcs.
b)	218-9211.00-00000	identical Hinge half lengths	blasted chrome plated	pressed in	screw-on	6 pcs.
b)	218-9212.00-00000	identical Hinge half lengths	black	pressed in	screw-on	6 pcs.



Hinge

	Part Number	Clamping range (S)	Version	Pin version	Installation type	Delivery Unit
a)	418-9205.00-00015	1.2 - 1.7 mm	Screws M8 molded in	pressed in	tool-less / screw-on	10 pcs.
a)	418-9205.00-00020	1.7 - 2.2 mm	Screws M8 molded in	pressed in	tool-less / screw-on	10 pcs.
a)	418-9205.00-00025	2.2 - 2.7 mm	Screws M8 molded in	pressed in	tool-less / screw-on	10 pcs.
a)	418-9205.00-00030	2.7 - 3.2 mm	Screws M8 molded in	pressed in	tool-less / screw-on	10 pcs.
a)	418-9205.00-00035	3.2 - 3.7 mm	Screws M8 molded in	pressed in	tool-less / screw-on	10 pcs.
b)	418-9204.00-00015	1.2 - 1.7 mm	with countersunk holes for M8	pressed in	tool-less / screw-on	10 pcs.
b)	418-9204.00-00020	1.7 - 2.2 mm	with countersunk holes for M8	pressed in	tool-less / screw-on	10 pcs.
b)	418-9204.00-00025	2.2 - 2.7 mm	with countersunk holes for M8	pressed in	tool-less / screw-on	10 pcs.
b)	418-9204.00-00030	2.7 - 3.2 mm	with countersunk holes for M8	pressed in	tool-less / screw-on	10 pcs.
b)	418-9204.00-00035	3.2 - 3.7 mm	with countersunk holes for M8	pressed in	tool-less / screw-on	10 pcs.

Accessories	
+	764 292-0301.15-00000 <b>Tool for uninstillation</b>
	764 292-0306.80-02530 <b>Tool for uninstillation</b>
	763 292-0701.15-01530 <b>Reinforcement plate for cutout</b>





**Advantages**

- Bracket allows fixing of hinge half with **just one screw**.
- Bracket with permanent/attached seal for secure fastening to sheet metal.
- IP 65/67 according to DIN EN 60529 and IP69K according to DIN 40050.
- Maximum cutout size allows vertical adjustability and tolerance compensation.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Separate installation of the hinge halves.
- Assembly of the two-piece POM pin by hand force.
- Hinge with six knuckles for better stability.
- Suitable for outdoor application.

**Materials**

- Hinge halves and bracket:** zinc die, black
- Pin:** POM, black
- External hexagon head screw M6x12 DIN933:** zinc-plated steel
- Moulded seal and o-ring:** NBR Perbunan

**Remarks**

- Max. sheet thickness 4mm.  
 (Only in connection with the included external hexagon head screw M6x12. For larger sheet thicknesses please use a correspondingly longer screw)
- min. cutout
  - max. cutout for tolerance adjustment
  - o-ring
  - fastening screws



**Advantages**

- Bracket allows fixing of hinge half with **just one screw**.
- Bracket with permanent/attached seal for secure fastening to sheet metal.
- IP 65/67 according to DIN EN 60529 and IP69K according to DIN 40050.
- Maximum cutout size allows vertical adjustability and tolerance compensation.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Separate installation of the hinge halves.
- Assembly of the two-piece POM pin by hand force.
- Hinge with six knuckles for better stability.
- Suitable for outdoor application.

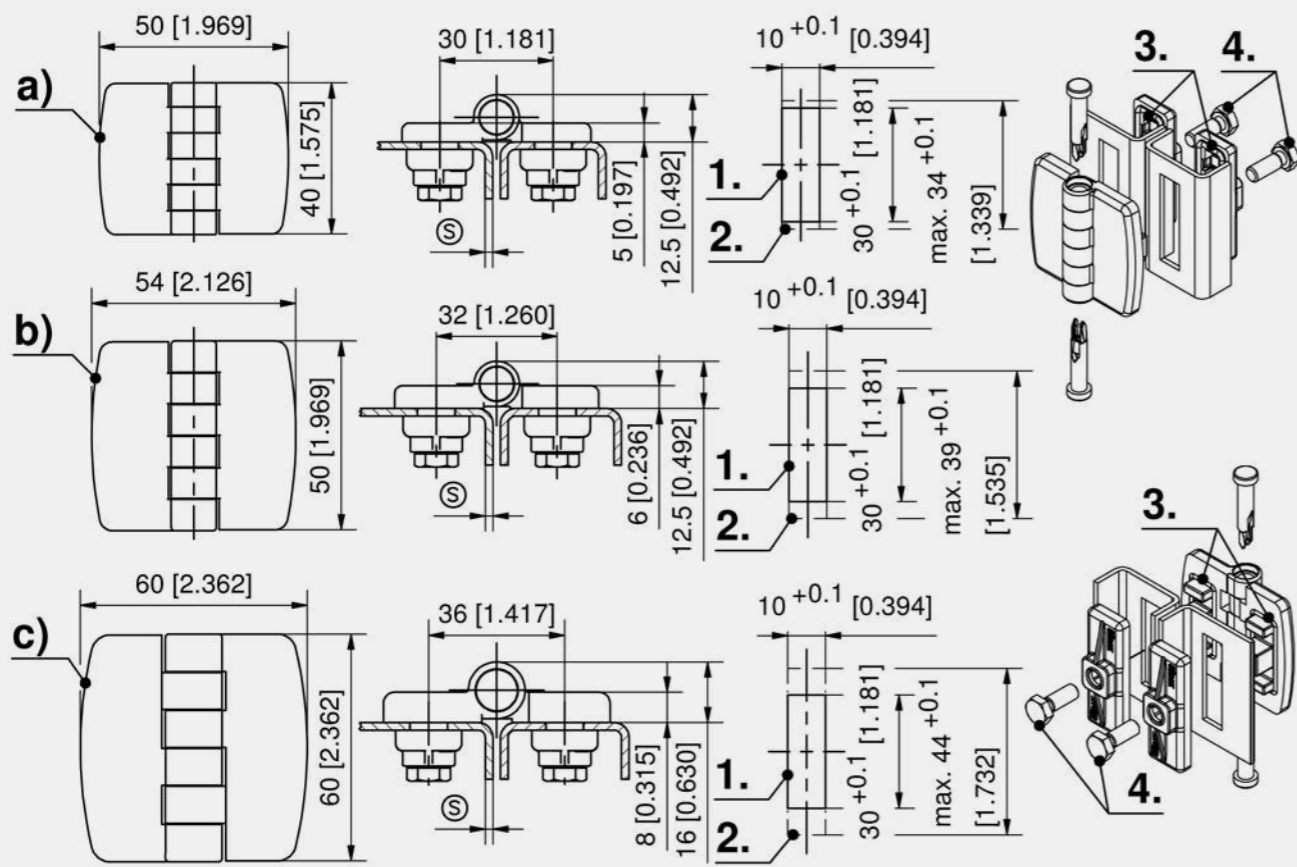
**Materials**

- Hinge halves and bracket:** AISI 316
- Pin:** POM, black
- External hexagon head screw M6x12 DIN933:** AISI 304
- Moulded seal and o-ring:** NBR Perbunan

**Remarks**

- Max. sheet thickness 4mm.  
 (Only in connection with the included external hexagon head screw M6x12. For larger sheet thicknesses please use a correspondingly longer screw)
- min. cutout
  - max. cutout for tolerance adjustment
  - o-ring
  - fastening screws

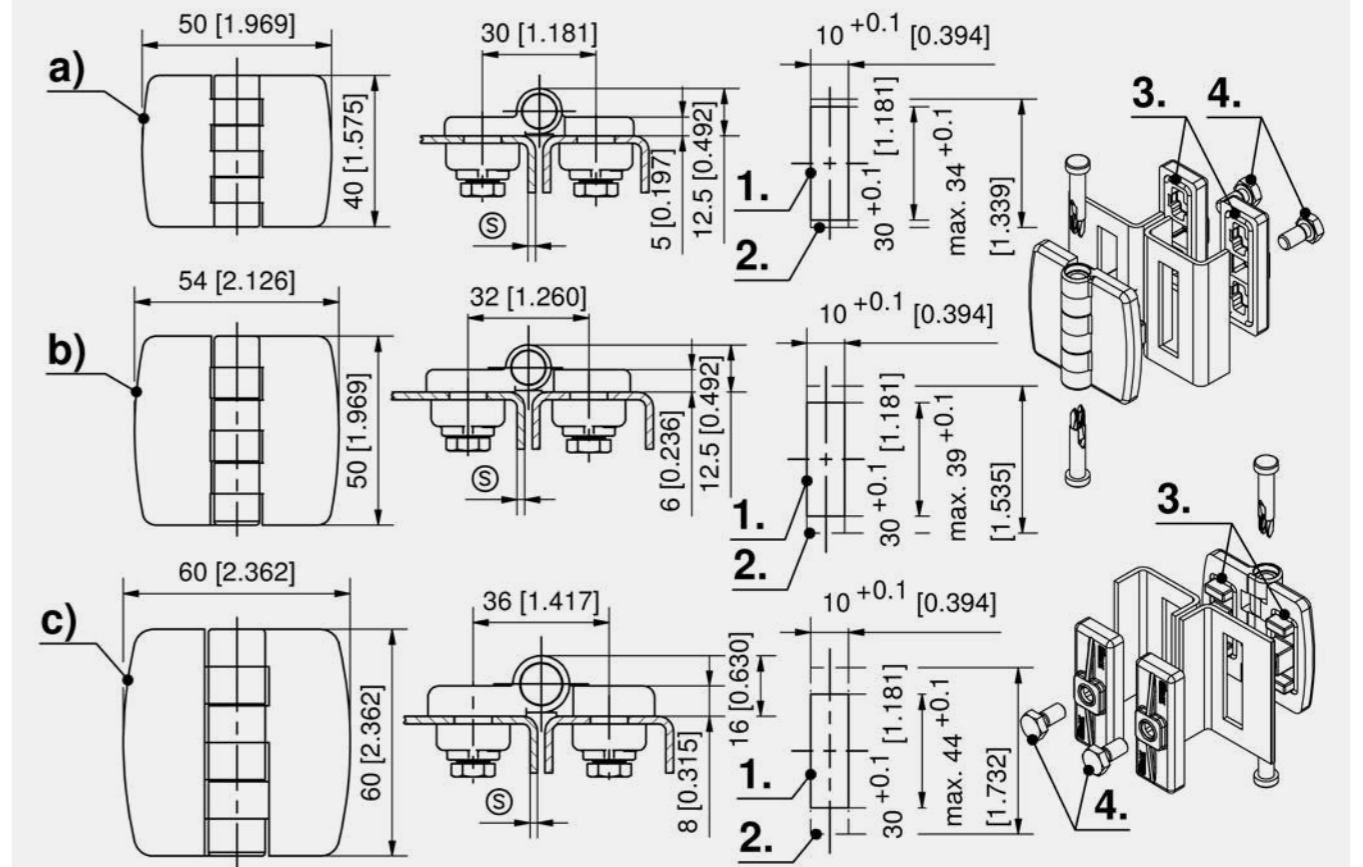
Hinges



Hinge with fastening bracket

	Part Number	Dimension	Min. cutout	Max. cutout	Adjustment	Pin version	Installation type	Delivery Unit
a)	218-9801.00-00000	50 x 40 mm	10 x 30 mm	10 x 34 mm	+/- 2 mm	loose, 2-parts	screw-on	10 pcs.
b)	218-9802.00-00000	54 x 50 mm	10 x 30 mm	10 x 39 mm	+/- 4.5 mm	loose, 2-parts	screw-on	10 pcs.
c)	218-9803.00-00000	60 x 60 mm	10 x 30 mm	10 x 44 mm	+/- 7 mm	loose, 2-parts	screw-on	10 pcs.

Hinges



Hinge with fastening bracket

	Part Number	Dimension	Min. cutout	Max. cutout	Adjustment	Pin version	Installation type	Delivery Unit
a)	218-9807.00-00000	50 x 40 mm	10 x 30 mm	10 x 34 mm	+/- 2 mm	loose, 2-parts	screw-on	10 pcs.
b)	218-9808.00-00000	54 x 50 mm	10 x 30 mm	10 x 39 mm	+/- 4.5 mm	loose, 2-parts	screw-on	10 pcs.
c)	218-9809.00-00000	60 x 60 mm	10 x 30 mm	10 x 44 mm	+/- 7 mm	loose, 2-parts	screw-on	10 pcs.





**Advantages**

- 2D Hinge, screw-on,
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- The teeth on the adjusting bushings and in the oblong holes of the hinge halves prevent slipping of the hinge.
- In contrast with conventional oblong holes, the countersunk heads of the screws have full contact with the adjusting bushings.
- These bushings completely cover the oblong holes, preventing deposits of dust within the adjusting area.

**Materials**

- **Hinge halves and bushings:** zinc die, glossy chrome plated or black

- **Pin:** stainless steel

**Remarks**

1. adjusting bushings
- Matching arrow tips mark the 0-position.



**Advantages**

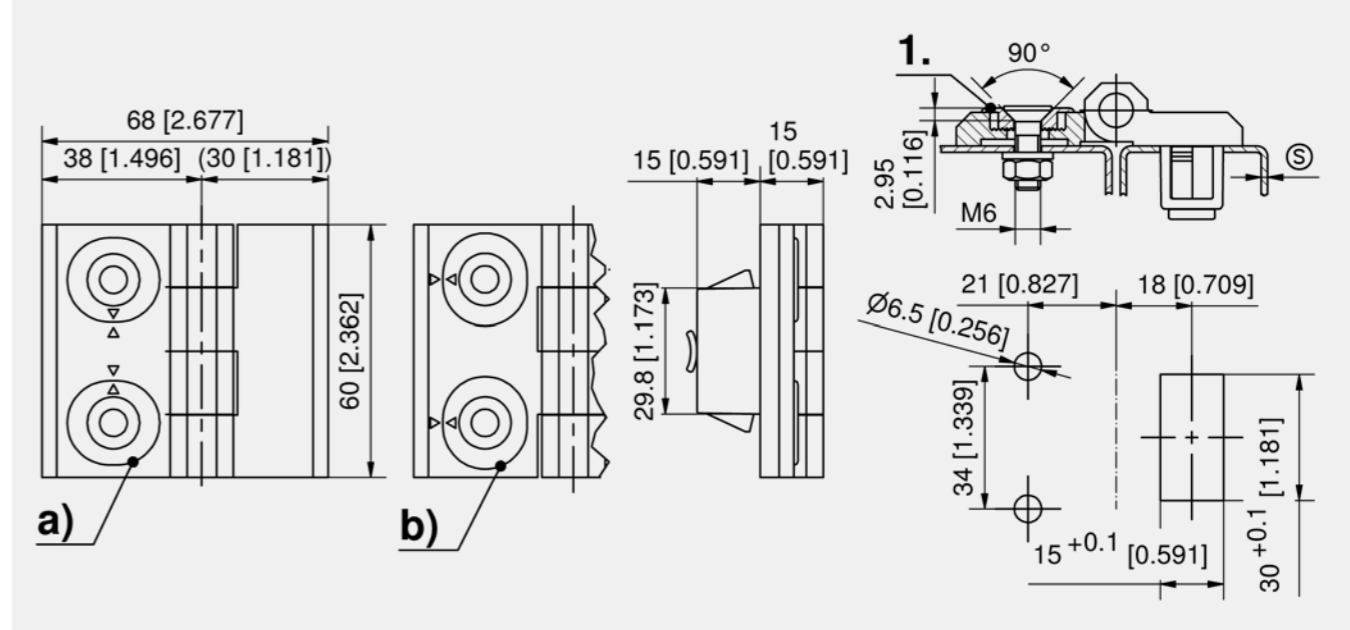
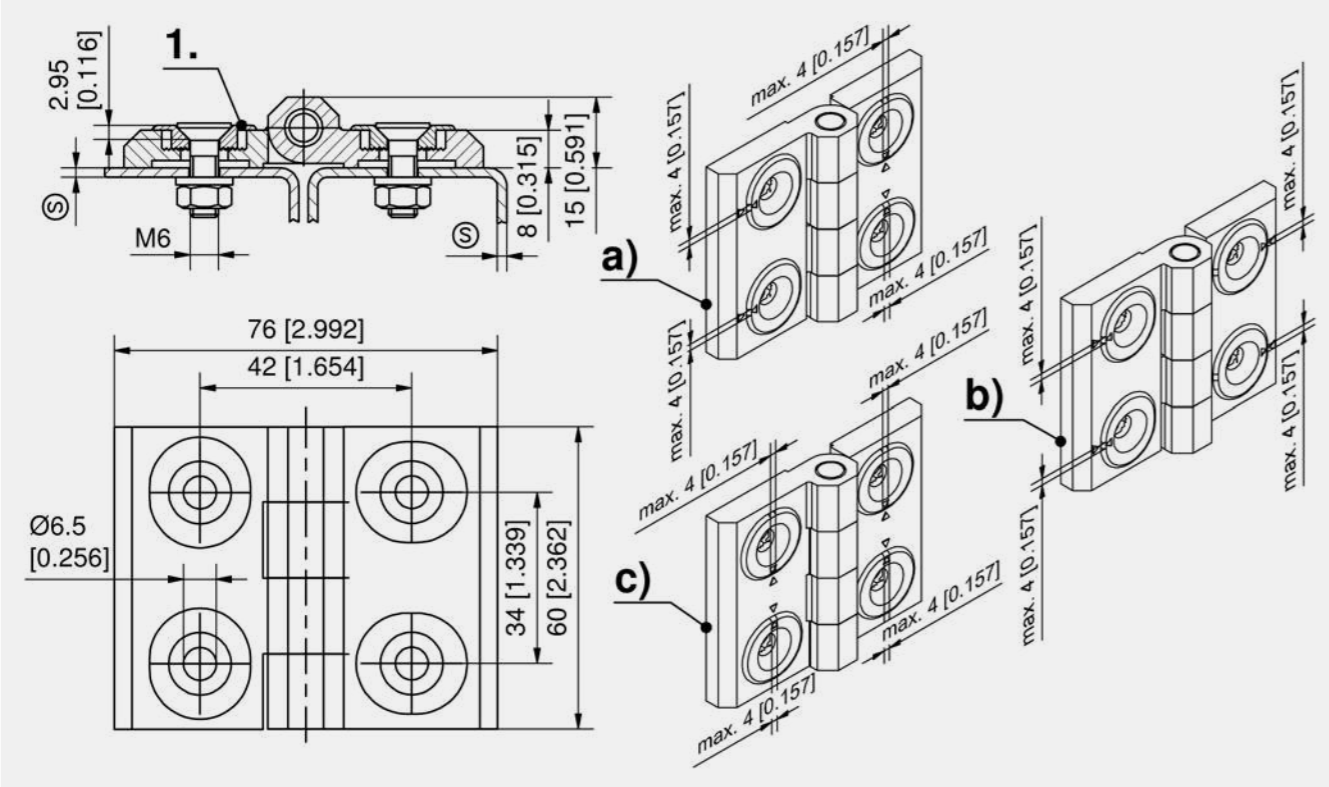
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- One hinge half with DIRAK-SNAP-Technology, the second hinge half can be adjusted (horizontal / vertical).
- The teeth on the adjusting bushings and in the oblong holes of the second hinge half prevent slipping of the hinge.
- In contrast with conventional oblong holes, the countersunk heads of the screws have full contact with the adjusting bushings.
- These bushings completely cover the oblong holes, preventing deposits of dust within the adjusting area.

**Materials**

- **Hinge halves and adjusting bushings:** zinc die, black
- **Pin:** stainless steel
- **Snap wedges:** sintered steel

**Remarks**

1. adjusting bushings
- Matching arrow tips mark the 0-position.



Hinge, zinc die

	Part Number	Adjustment	Surface	Pin version	Installation type	Delivery Unit
a)	218-9605.00-00000	horizontal / vertical	glossy chrome plated	pressed in	screw-on	6 pcs.
a)	218-9606.00-00000	horizontal / vertical	black	pressed in	screw-on	6 pcs.
b)	218-9603.00-00000	vertical	glossy chrome plated	pressed in	screw-on	6 pcs.
b)	218-9604.00-00000	vertical	black	pressed in	screw-on	6 pcs.
c)	218-9601.00-00000	horizontal	glossy chrome plated	pressed in	screw-on	6 pcs.
c)	218-9602.00-00000	horizontal	black	pressed in	screw-on	6 pcs.

Hinge

	Part Number	Clamping range (S)	Adjustment	Pin version	Installation type	Delivery Unit
a)	418-9206.00-00020	1.7 - 2.2 mm	horizontal	pressed in	tool-less / screw-on	10 pcs.
a)	418-9206.00-00025	2.2 - 2.7 mm	horizontal	pressed in	tool-less / screw-on	10 pcs.
a)	418-9206.00-00030	2.7 - 3.2 mm	horizontal	pressed in	tool-less / screw-on	10 pcs.
a)	418-9206.00-00035	3.2 - 3.7 mm	horizontal	pressed in	tool-less / screw-on	10 pcs.
b)	418-9207.00-00020	1.7 - 2.2 mm	vertical	pressed in	tool-less / screw-on	10 pcs.
b)	418-9207.00-00025	2.2 - 2.7 mm	vertical	pressed in	tool-less / screw-on	10 pcs.
b)	418-9207.00-00030	2.7 - 3.2 mm	vertical	pressed in	tool-less / screw-on	10 pcs.

+ Accessories	
764	292-0301.15-00000 Tool for uninstillation
764	292-0306.80-02530 Tool for uninstillation
763	292-0701.15-01530 Reinforcement plate for cutout





**Advantages**

- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- With welded stud.
- Both sides welded pin.
- Vandalism safety.

**Materials**

- Hinge: AISI 316



**Advantages**

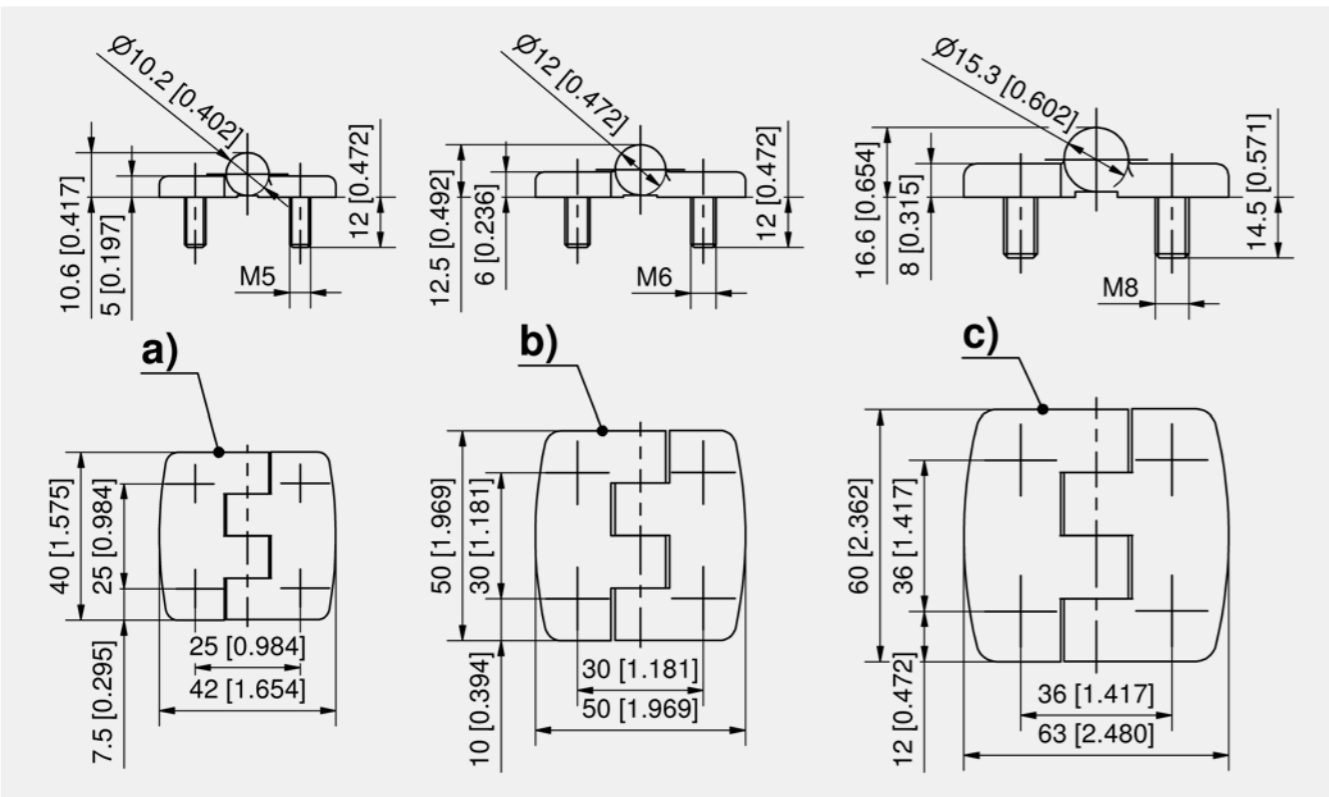
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Vibration-proof.
- Vandalism safety due to both sides welded, hinge pin not visible.

**Materials**

- Hinge parts and pin: AISI 316

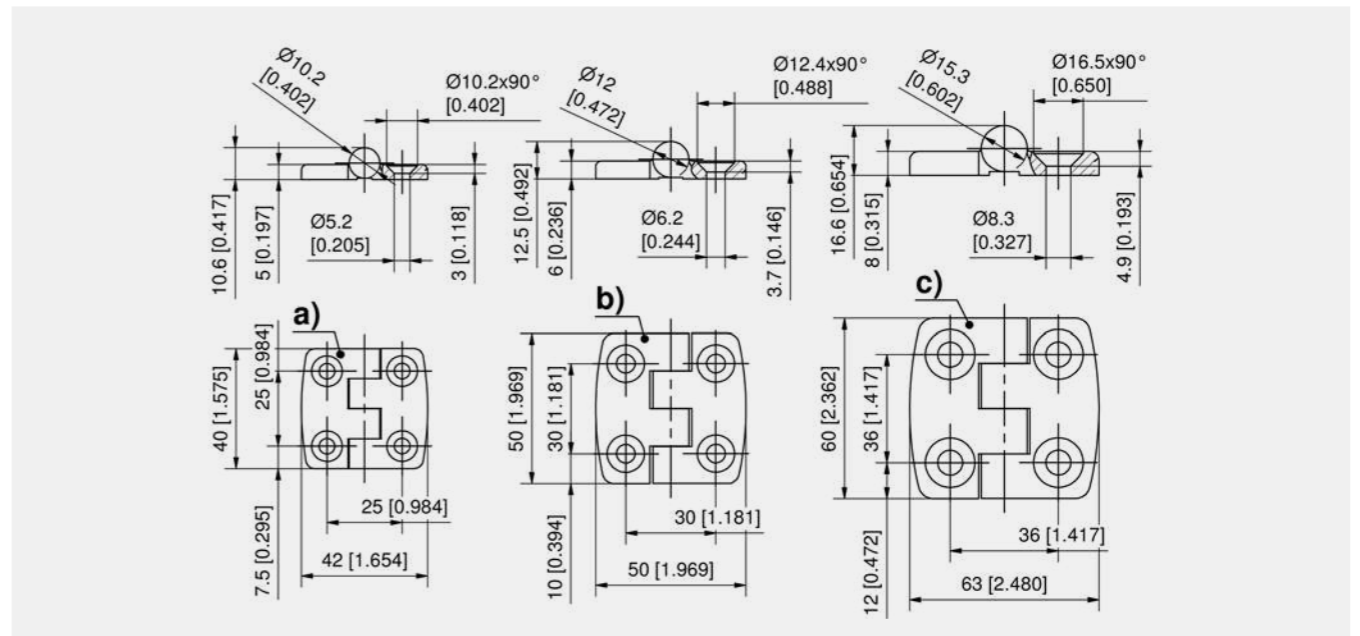
**Remarks**

Fastening with countersunk screws M5, M6 or M8 to DIN 7991



Hinge

Part Number	Dimension	Fastening type	max. tightening torque	Pin version	Installation type	Delivery Unit
218-9314.00-00000	40 x 42	M5	2.5 Nm	welded	screw-on	10 pcs.
218-9315.00-00000	50 x 50	M6	3.5 Nm	welded	screw-on	10 pcs.
218-9316.00-00000	60 x 63	M8	8.4 Nm	welded	screw-on	10 pcs.

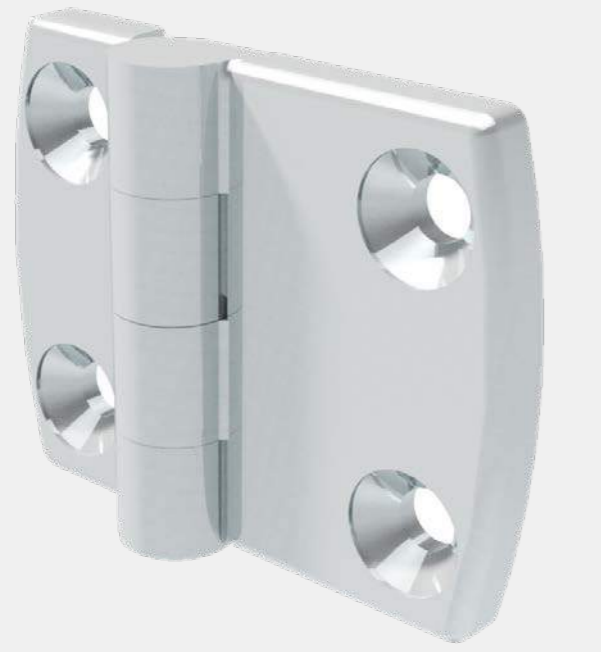


Hinge

	Part Number	Dimension	Pin version	Installation type	Delivery Unit
a)	218-9309.00-00000	40 x 42	welded	screw-on	10 pcs.
b)	218-9310.00-00000	50 x 50	welded	screw-on	10 pcs.
c)	218-9311.00-00000	60 x 63	welded	screw-on	10 pcs.







**Advantages**

- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- Vibration-proof.
- Vandalism safety due to both sides welded, hinge pin not visible.

**Materials**

■ Hinge parts and pin: AISI 316

**Remarks**

Fastening with countersunk screws M6 to DIN 7991



**Advantages**

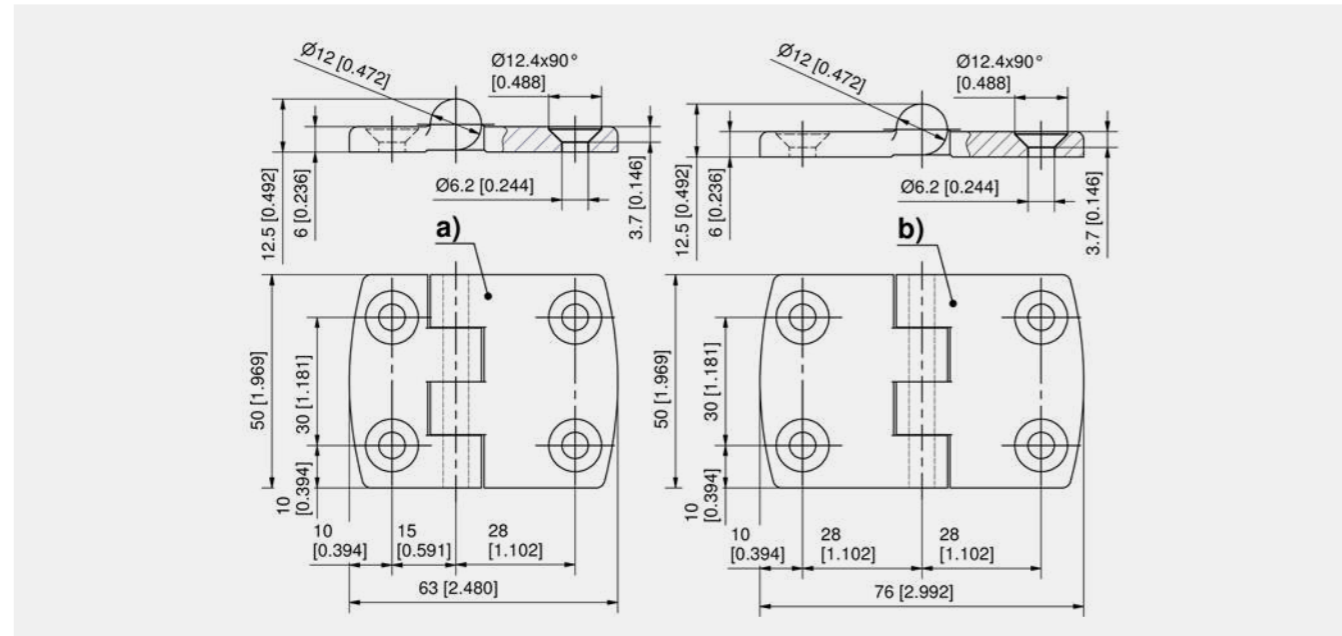
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

■ Hinge parts and pin: AISI 316

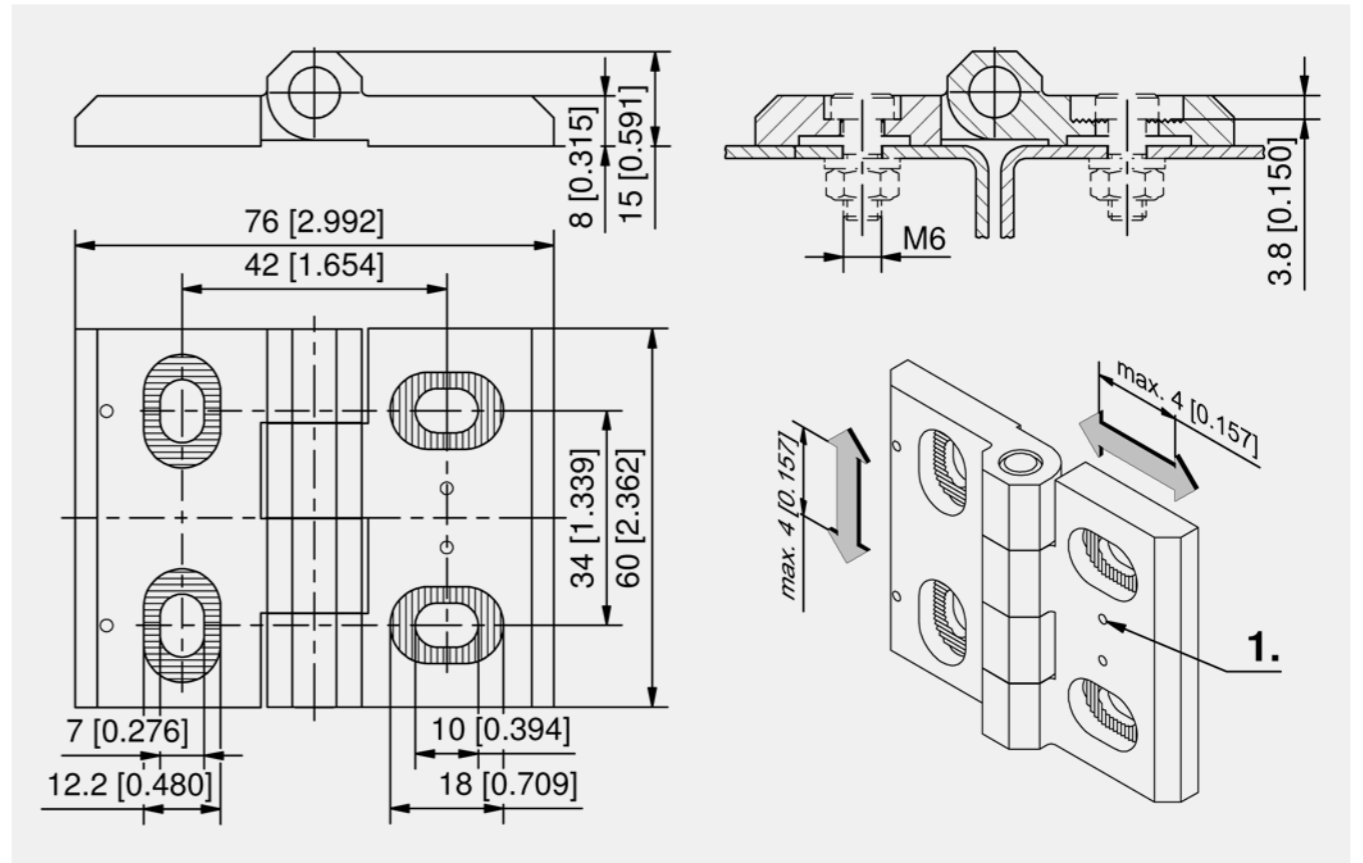
**Remarks**

Fastening with cylinder screws e.g. M6 to DIN 6912.  
1. centre of the bore hole



Hinge

	Part Number	Dimension	Pin version	Installation type	Delivery Unit
a)	218-9312.00-00000	50 x 63	welded	screw-on	10 pcs.
b)	218-9313.00-00000	50 x 76	welded	screw-on	10 pcs.



Hinge, adjustable

Part Number	Dimension	Adjustment	Pin version	Installation type	Delivery Unit
218-9613.00-00001	60 x 76	Width/ Height	pressed in	screw-on	10 pcs.





**Advantages**

- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.

**Materials**

■ **Hinge complete:** AISI 304, satin polished

**Remarks**

1. bearing washers

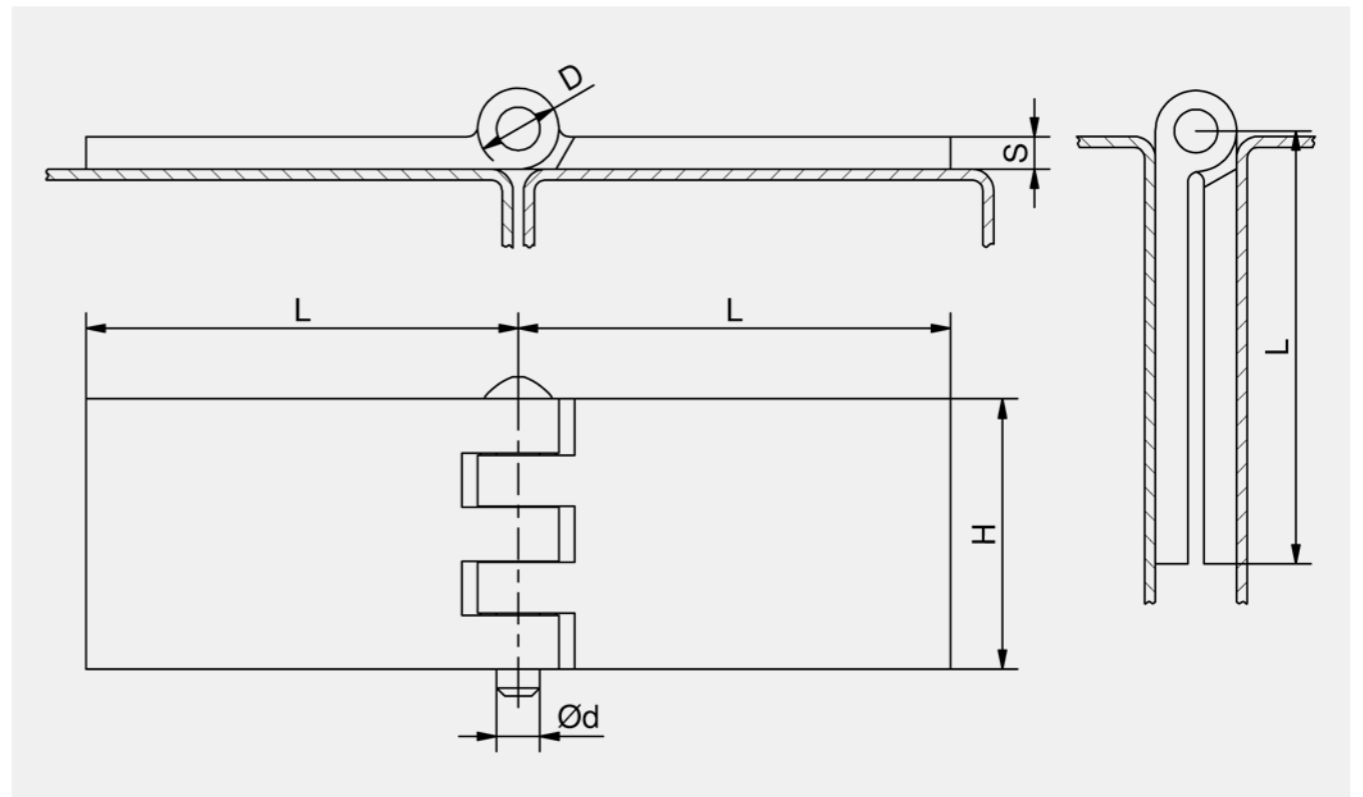


**Advantages**

- Weld-on hinge for heavy duty applications, made from forged profile steel.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

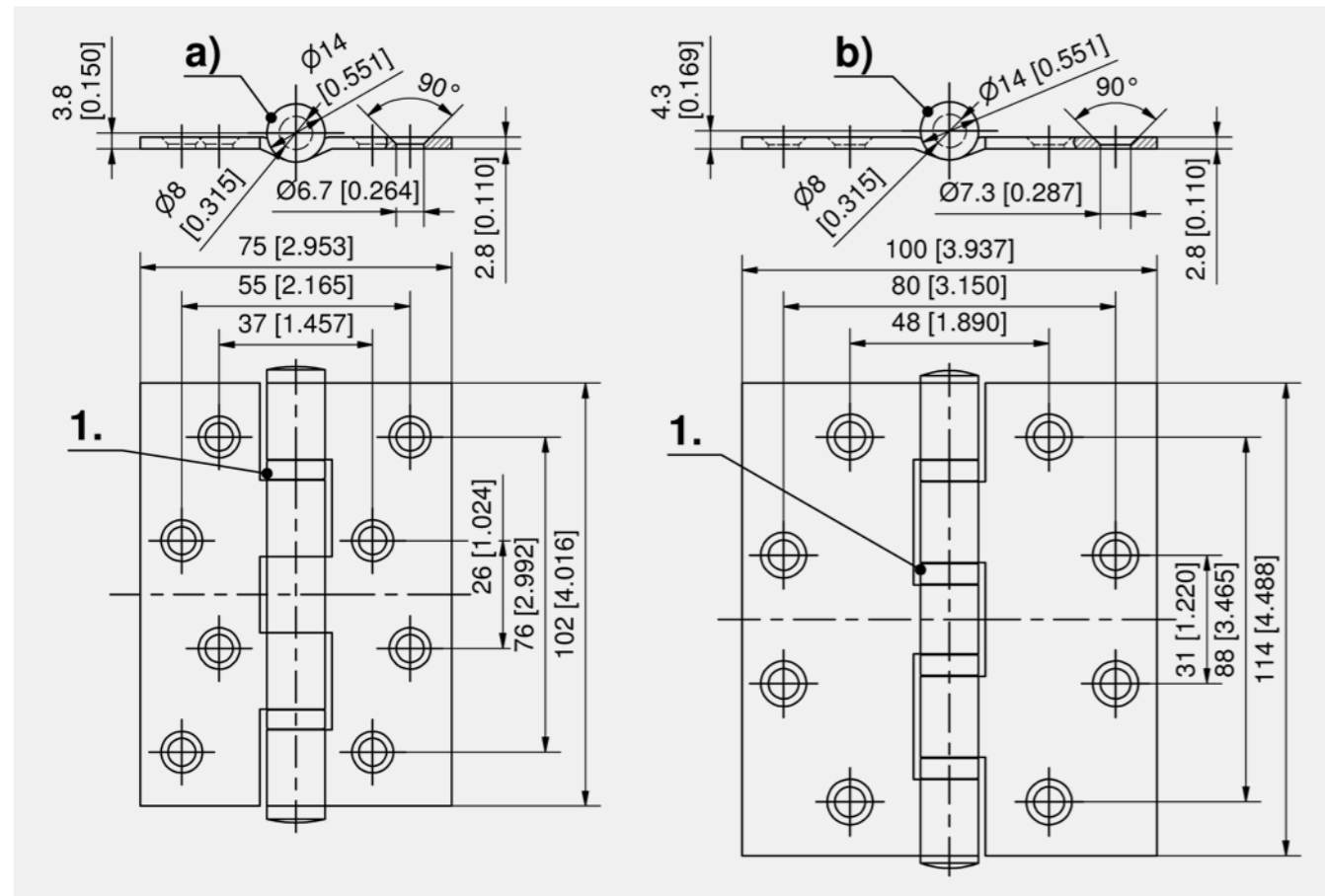
**Materials**

■ **Hinge:** steel, untreated



Hinge

Part Number	Height H	Length L	Material thickness (S)	Ø Knurl D	Pin version	Ø Pin d	Installation type	Delivery Unit
233-9101.00-00000	40 mm	60 mm	5 mm	12 mm	loose, durably fastened	6 mm	weld-on	10 pcs.
233-9102.00-00000	40 mm	100 mm	5 mm	12 mm	loose, durably fastened	6 mm	weld-on	10 pcs.
233-9103.00-00000	50 mm	60 mm	5 mm	12 mm	loose, durably fastened	6 mm	weld-on	10 pcs.
233-9104.00-00000	50 mm	100 mm	5 mm	12 mm	loose, durably fastened	6 mm	weld-on	10 pcs.
233-9201.00-00000	50 mm	80 mm	6 mm	15 mm	loose, durably fastened	8 mm	weld-on	10 pcs.
233-9202.00-00000	60 mm	60 mm	6 mm	15 mm	loose, durably fastened	8 mm	weld-on	10 pcs.
233-9203.00-00000	80 mm	80 mm	6 mm	15 mm	loose, durably fastened	8 mm	weld-on	10 pcs.
233-9204.00-00000	80 mm	100 mm	6 mm	15 mm	loose, durably fastened	8 mm	weld-on	10 pcs.



Hinge

	Part Number	Width W	Height H	Pin version	Installation type	Delivery Unit
a)	267-9106.00-00000	75 mm	102 mm	pressed in	screw-on	10 pcs.
b)	267-9107.00-00000	100 mm	114 mm	pressed in	screw-on	10 pcs.





**Advantages**

- Screw-on hinge.
- For nested doors.
- Hinge visible.
- RH / LH application
- 270° Opening angle.

**Materials**

- a) and b)
- **Hinge halves:** steel, zinc plated
- c)
- **Hinge complete:** steel, chrome plated or dull brass plated

**Remarks**

1. both rolls of the long shank welded
2. grease nipple (version a)+b)
3. tight pin

As an alternative please refer to the stainless steel version on product system 7-260.



**Advantages**

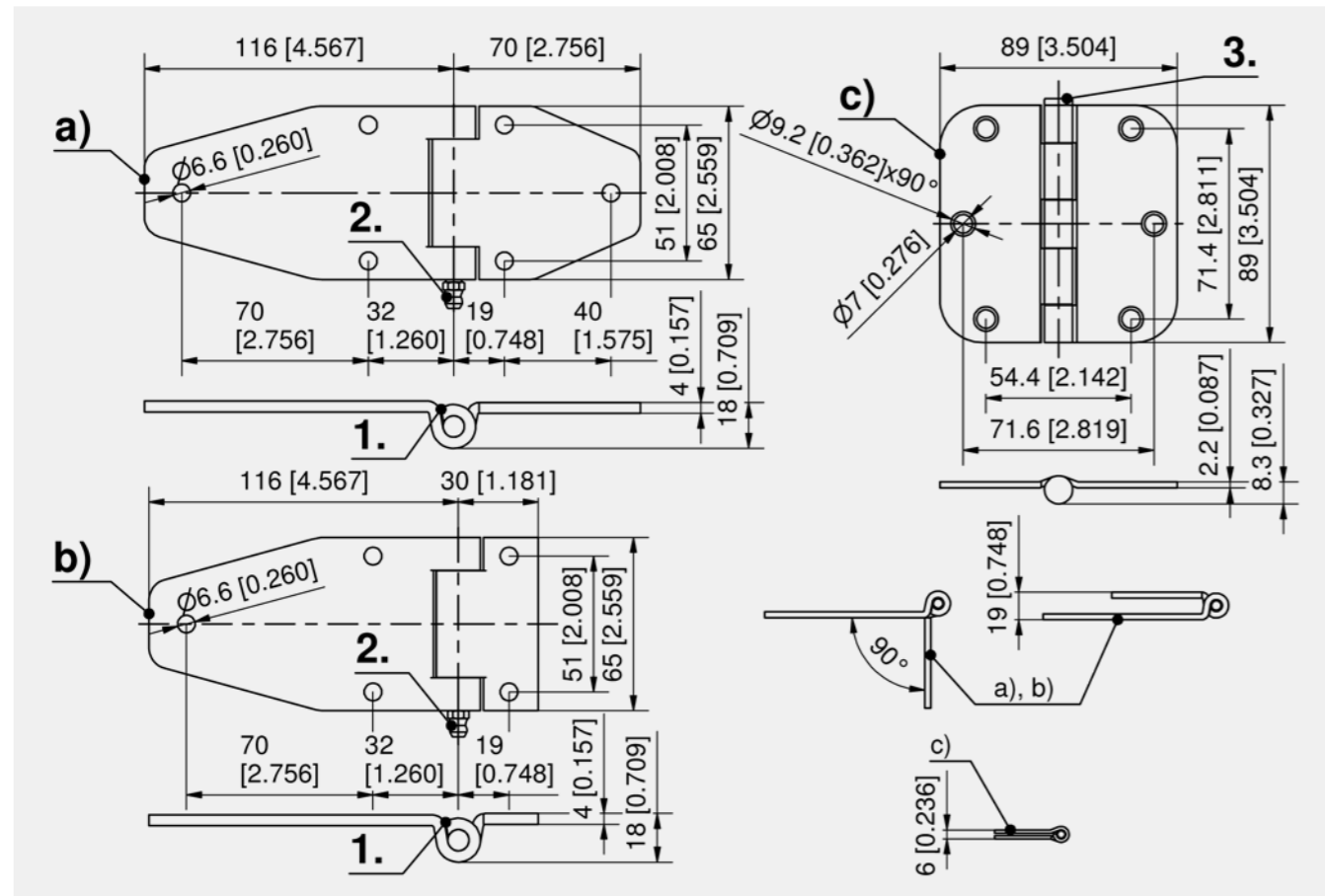
- For nested doors.
- Hinge visible.
- 270° opening angle.
- Version c) is lift-off.

**Materials**

- **Hinge complete:** AISI 304, satin polished

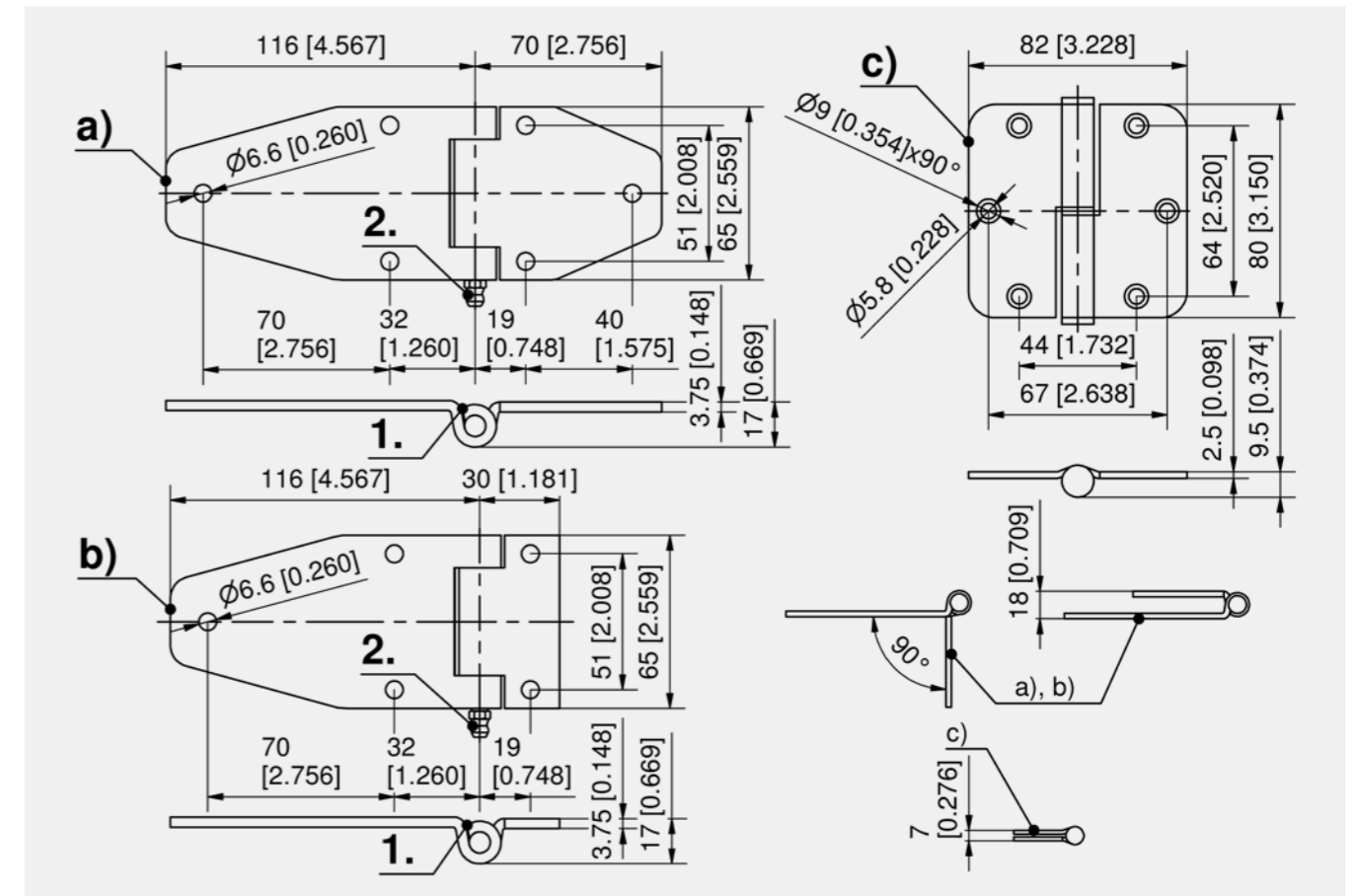
**Remarks**

1. both rolls of the long shank welded
2. grease nipple



Hinge, steel

	Part Number	Surface	Pin version	Installation type	Delivery Unit
a)	267-9003.00-00000	zinc plated	pressed in	screw-on	10 pcs.
b)	267-9004.00-00000	zinc plated	pressed in	screw-on	10 pcs.
c)	267-9701.00-00000	chrome plated	pressed in	screw-on	10 pcs.
c)	267-9702.00-00000	matte brass	pressed in	screw-on	10 pcs.



Hinge

	Part Number	Version	Width W	Height H	Pin version	Installation type	Delivery Unit
a)	267-9005.00-00000		186 mm	65 mm	pressed in	screw-on	10 pcs.
b)	267-9007.00-00000	shortened shank	146 mm	65 mm	pressed in	screw-on	10 pcs.
c)	267-9303.00-00000	RH version	82 mm	80 mm	pressed in	screw-on	10 pcs.
c)	267-9304.00-00000	LH version	82 mm	80 mm	pressed in	screw-on	10 pcs.





**Advantages**

- For nested doors.
- Hinge visible.
- RH and LH version.
- 180° Opening angle.
- Low weight.
- Corrosion resistant.
- Lift-off.

**Materials**

- **Hinge:** PA, black
- **Pin:** stainless steel

**Remarks**

1. fastening with countersunk screw M5  
DIN 7991 or DIN ISO 10642 and  
DIN 965 or DIN ISO 7046

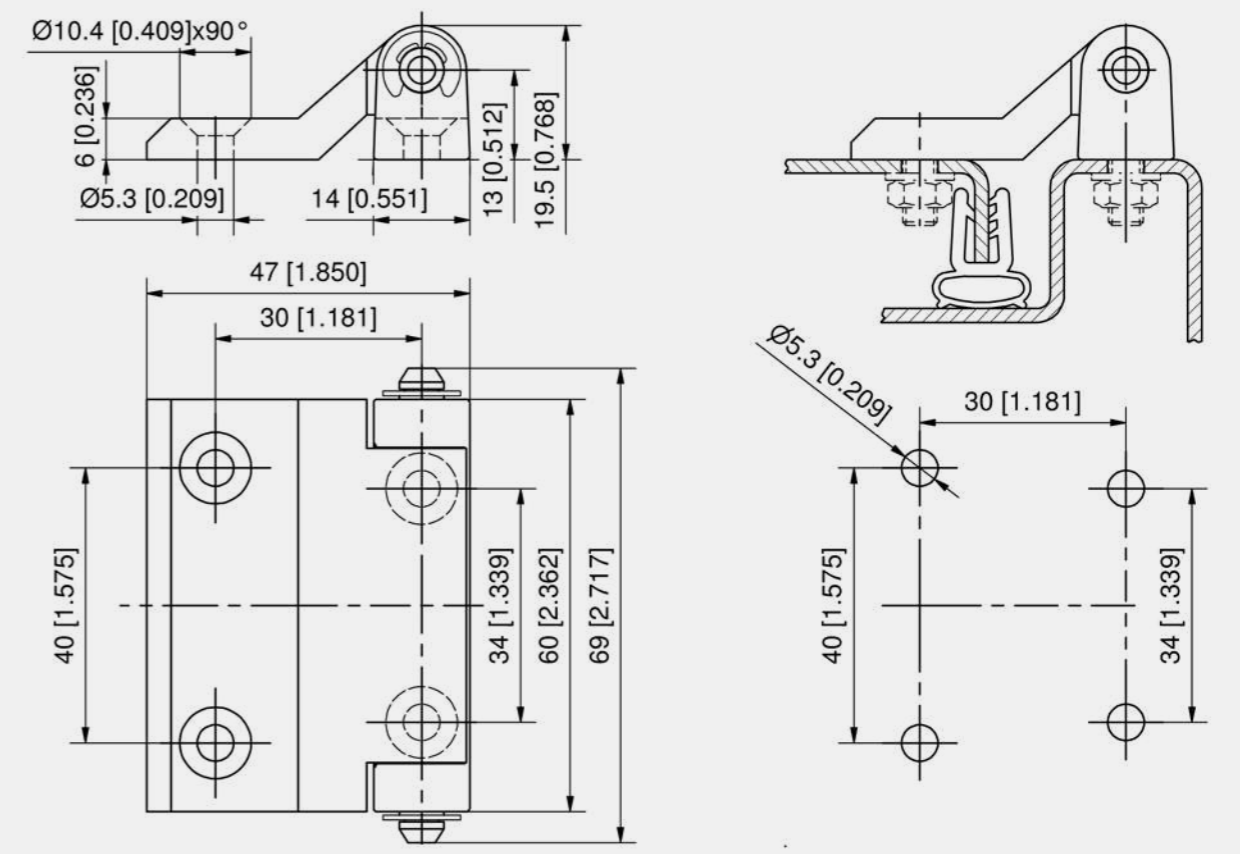
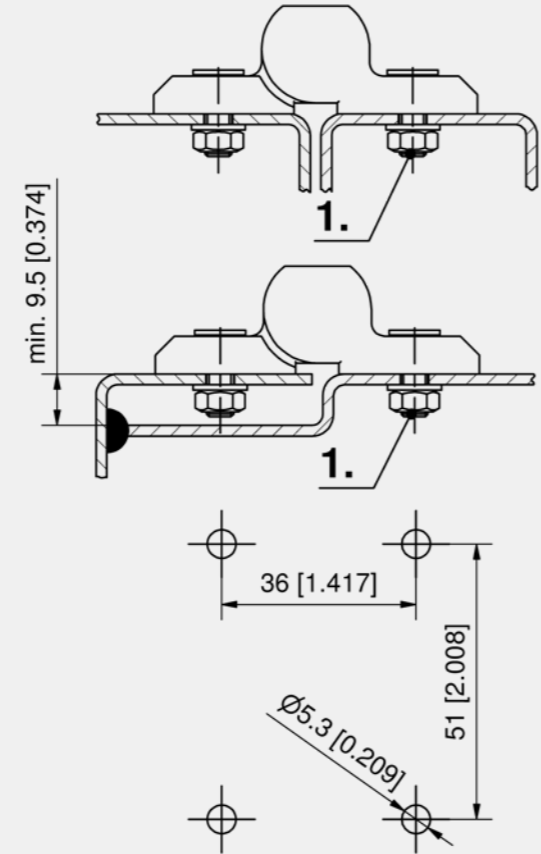
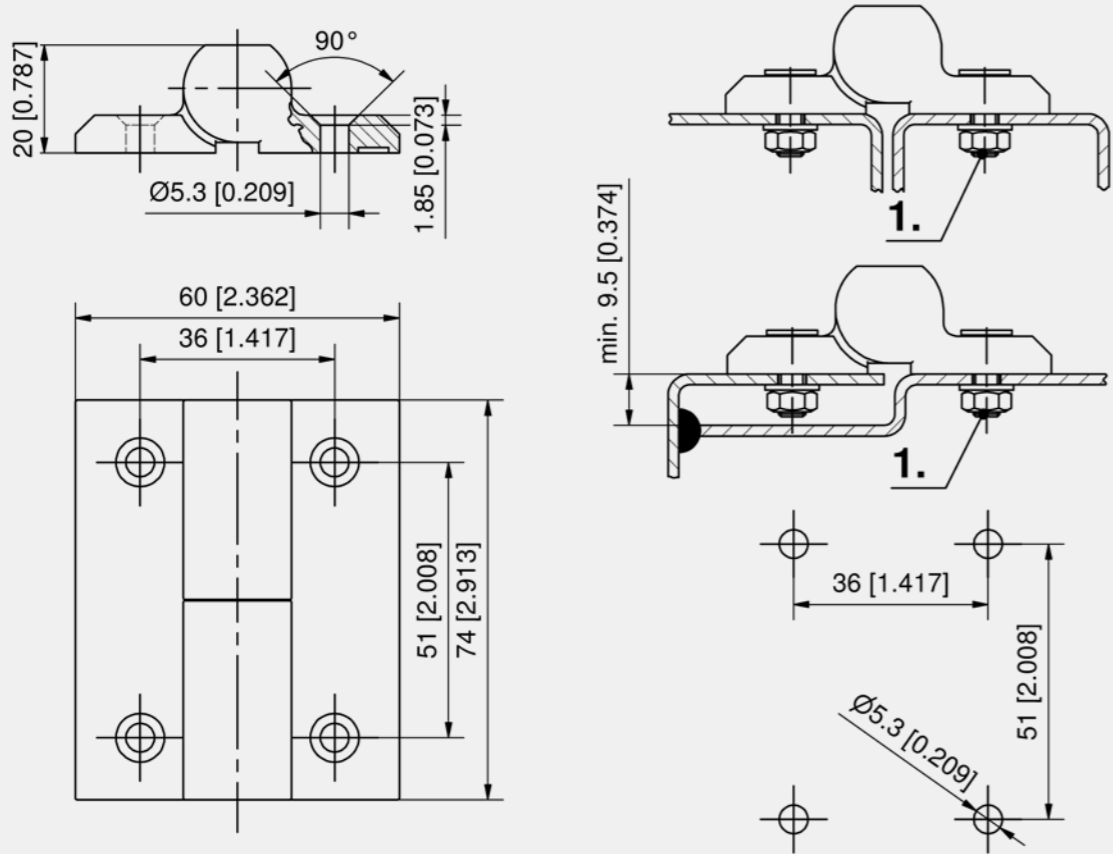


**Advantages**

- Hinge for flush constructions.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 200° Opening angle.
- Very good for installation on narrow frame widths.

**Materials**

- **Hinge-parts:** AISI 316
- **Washers:** stainless steel



Hinge

Part Number	Version	Pin version	Installation type	Delivery Unit
218-9425.00-00000	RH version	pressed in	screw-on	10 pcs.
218-9426.00-00000	LH version	pressed in	screw-on	10 pcs.

Hinge

Part Number	Width W	Height H	Pin length L	Pin version	Installation type	Delivery Unit
217-9601.00-00000	40 mm	60 mm	69 mm	with groove incl. locking washer DIN6799	screw-on	10 pcs.





**Advantages**

- For nested doors.
- Hinge visible.
- RH / LH application.
- 200° Opening angle.
- With PA bushings.

**Materials**

- **Frame- and door-part:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel or steel, zinc plated
- **Bushings:** PA, natural

**Remarks**

Delivery is made unassembled.  
1. PA bushings



**Advantages**

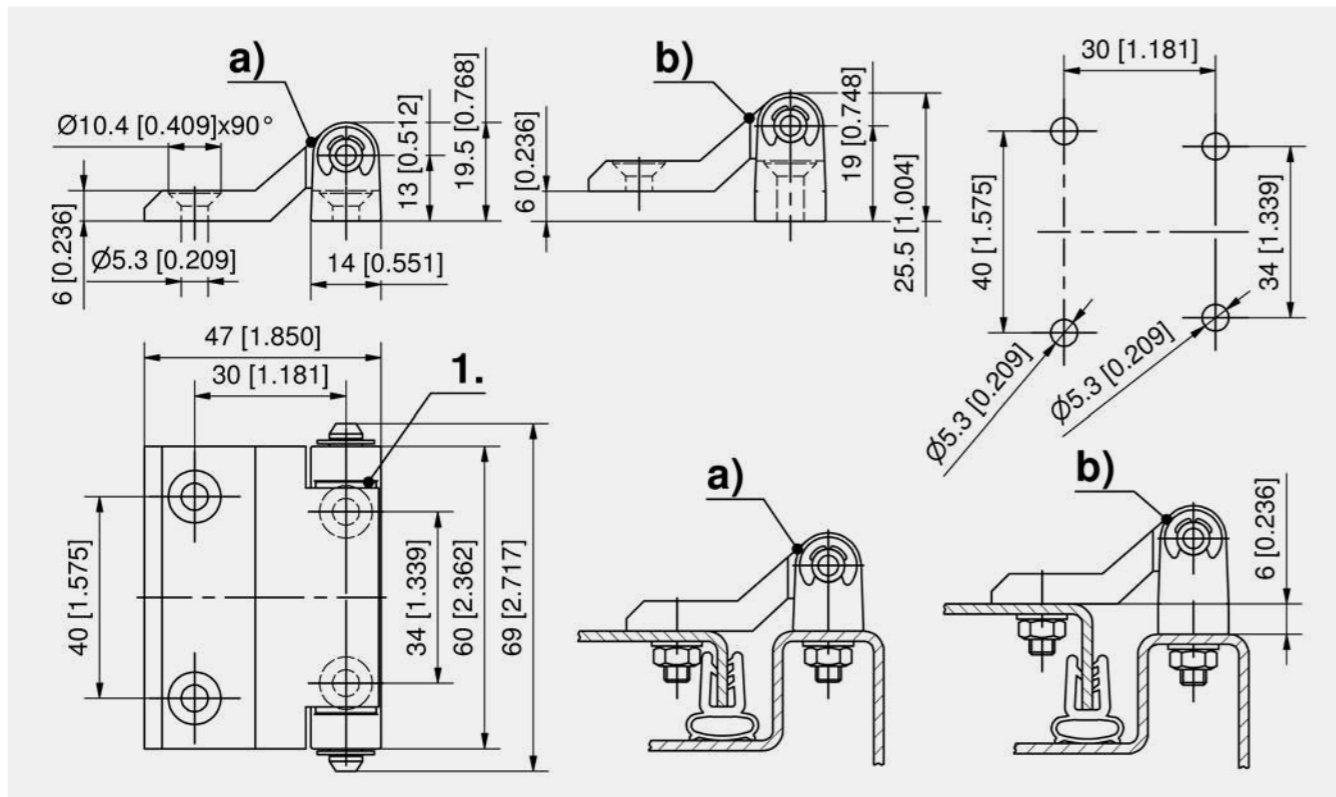
- For nested doors.
- Hinge visible.
- RH / LH application.
- 200° Opening angle.
- With PA bushings.

**Materials**

- **Frame- and door-part:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel or steel, zinc plated
- **Bushings:** PA, natural

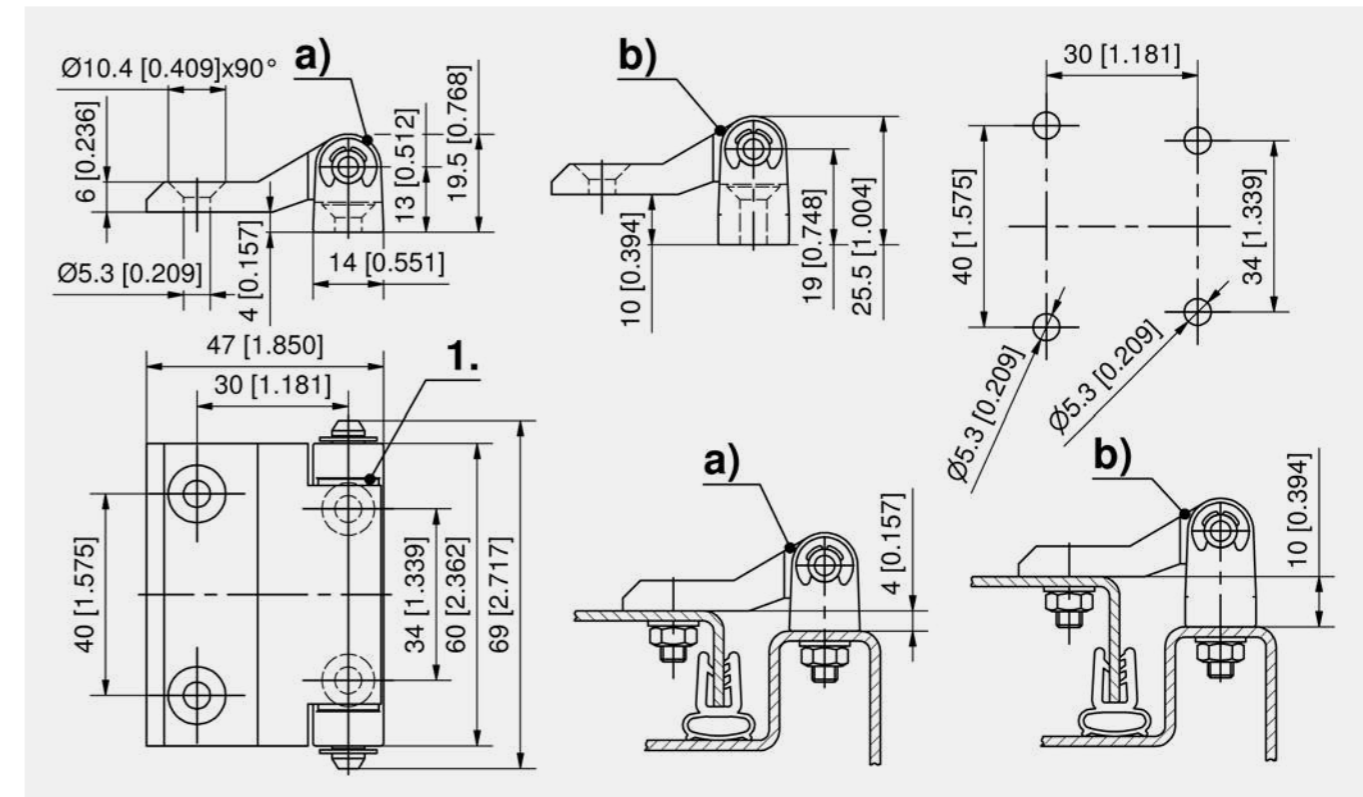
**Remarks**

Delivery is made unassembled.  
1. PA bushings



Hinge, zinc die

	Part Number	Surface	Frame-part	Material pin	Pin version	Installation type	Delivery Unit
a)	217-9109.00-00000	blasted chrome plated	normal	steel, zinc plated	with groove incl. locking washer DIN6799	screw-on	6 pcs.
a)	217-9110.00-00000	blasted chrome plated	normal	stainless steel	with groove incl. locking washer DIN6799	screw-on	6 pcs.
b)	217-9116.00-00000	blasted chrome plated	raised	steel, zinc plated	with groove incl. locking washer DIN6799	screw-on	6 pcs.
b)	217-9117.00-00000	blasted chrome plated	raised	stainless steel	with groove incl. locking washer DIN6799	screw-on	6 pcs.
a)	217-9101.00-00000	black	normal	steel, zinc plated	with groove incl. locking washer DIN6799	screw-on	6 pcs.
a)	217-9102.00-00000	black	normal	stainless steel	with groove incl. locking washer DIN6799	screw-on	6 pcs.
b)	217-9103.00-00000	black	raised	steel, zinc plated	with groove incl. locking washer DIN6799	screw-on	6 pcs.
b)	217-9104.00-00000	black	raised	stainless steel	with groove incl. locking washer DIN6799	screw-on	6 pcs.



Hinge

	Part Number	Surface	Frame-part	Material pin	Pin version	Installation type	Delivery Unit
a)	217-9111.00-00000	blasted chrome plated	normal	steel, zinc plated	with groove incl. locking washer DIN6799	screw-on	6 pcs.
a)	217-9112.00-00000	blasted chrome plated	normal	stainless steel	with groove incl. locking washer DIN6799	screw-on	6 pcs.
b)	217-9118.00-00000	blasted chrome plated	raised	steel, zinc plated	with groove incl. locking washer DIN6799	screw-on	6 pcs.
b)	217-9119.00-00000	blasted chrome plated	raised	stainless steel	with groove incl. locking washer DIN6799	screw-on	6 pcs.
a)	217-9105.00-00000	black	normal	steel, zinc plated	with groove incl. locking washer DIN6799	screw-on	6 pcs.
a)	217-9106.00-00000	black	normal	stainless steel	with groove incl. locking washer DIN6799	screw-on	6 pcs.
b)	217-9107.00-00000	black	raised	steel, zinc plated	with groove incl. locking washer DIN6799	screw-on	6 pcs.
b)	217-9108.00-00000	black	raised	stainless steel	with groove incl. locking washer DIN6799	screw-on	6 pcs.





**Advantages**

- For nested doors.
- Hinge visible.
- 200° Opening angle.
- Frame-part with DIRAK-SNAP-Technology.
- Door-part screw-on.

**Materials**

- **Frame- and door-part:** zinc die, black
- **Loose pin and washers:** steel, zinc plated
- **Fixed pin:** stainless steel
- **Bushing:** PA, natural
- **Snap wedges:** sintered metal, coated

**Remarks**

1. PA bushings at both ends (version a) and b))
- Further details and dimensions see product system 4-330.



**Advantages**

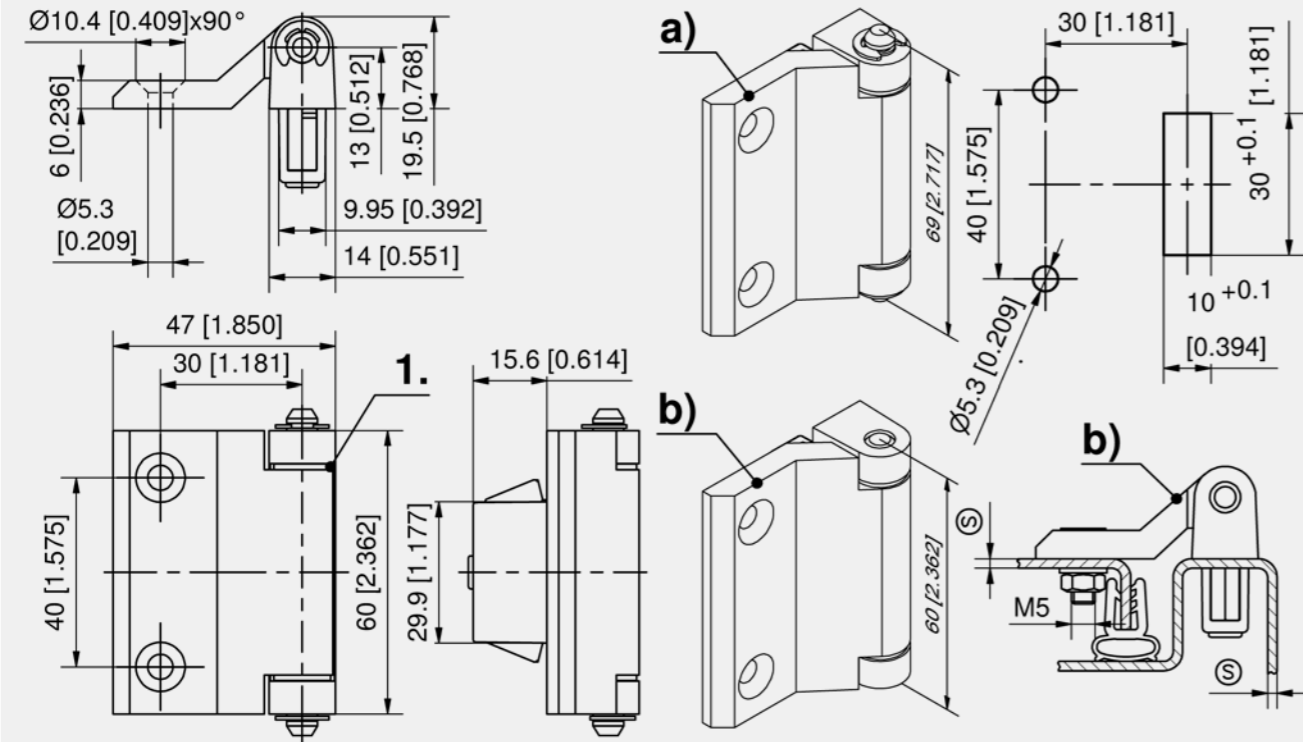
- For nested doors.
- Hinge visible.
- RH / LH application.
- 200° Opening angle.
- Frame-part with DIRAK-SNAP-Technology.
- Door-part with countersunk holes for screw-on.
- With PA bushings.

**Materials**

- **Frame- and door-part:** zinc die, black
- **Loose/ fixed pin and washers:** stainless steel
- **Bushings:** PA, natural
- **Snap wedges:** sintered steel

**Remarks**

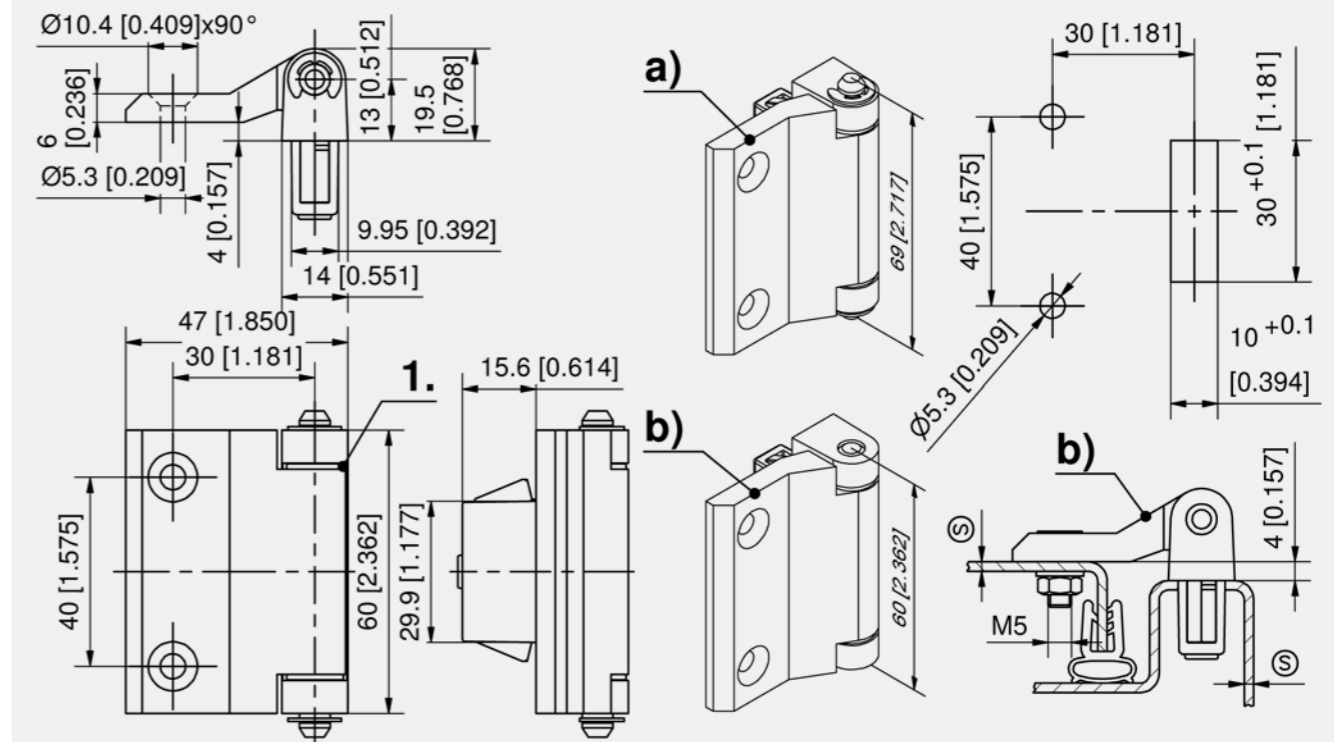
1. PA bushings
- Further details and dimensions see product system 4-340.



Hinge

	Part Number	Clamping range (S)	Material pin	Pin length L	Pin version	Installation type	Delivery Unit
a)	417-9001.00-00015	1.2 - 1.7 mm	steel, zinc plated	69 mm	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
a)	417-9001.00-00020	1.7 - 2.2 mm	steel, zinc plated	69 mm	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
a)	417-9001.00-00025	2.2 - 2.7 mm	steel, zinc plated	69 mm	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
a)	417-9001.00-00030	2.7 - 3.2 mm	steel, zinc plated	69 mm	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
b)	417-9101.00-00015	1.2 - 1.7 mm	stainless steel	60 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9101.00-00020	1.7 - 2.2 mm	stainless steel	60 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9101.00-00025	2.2 - 2.7 mm	stainless steel	60 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9101.00-00030	2.7 - 3.2 mm	stainless steel	60 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout

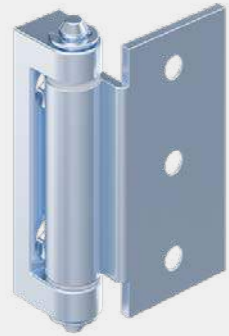


Hinge

	Part Number	Clamping range (S)	Pin length L	Pin version	Installation type	Delivery Unit
a)	417-9106.00-00015	1.2 - 1.7 mm	69 mm	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
a)	417-9106.00-00020	1.7 - 2.2 mm	69 mm	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
a)	417-9106.00-00025	2.2 - 2.7 mm	69 mm	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
a)	417-9106.00-00030	2.7 - 3.2 mm	69 mm	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
b)	417-9109.00-00015	1.2 - 1.7 mm	60 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9109.00-00020	1.7 - 2.2 mm	60 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9109.00-00025	2.2 - 2.7 mm	60 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9109.00-00030	2.7 - 3.2 mm	60 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout





**Advantages**

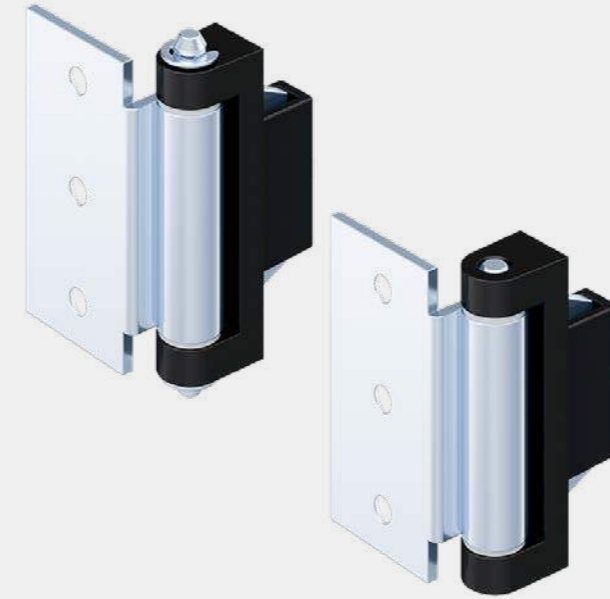
- Screw-on hinge for device doors.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- With PA bushings.

**Materials**

- **Frame-part:** zinc die, zinc plated
- **Door-part and pin:** steel, zinc plated
- **Bushings:** PA, natural

**Remarks**

- Delivery unassembled
- 1. PA-bushings



**Advantages**

- Hinge with DIRAK-SNAP-Technology for appliance doors.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Tool-less installation of frame-part.
- Door-part with countersunk holes for screws M5.

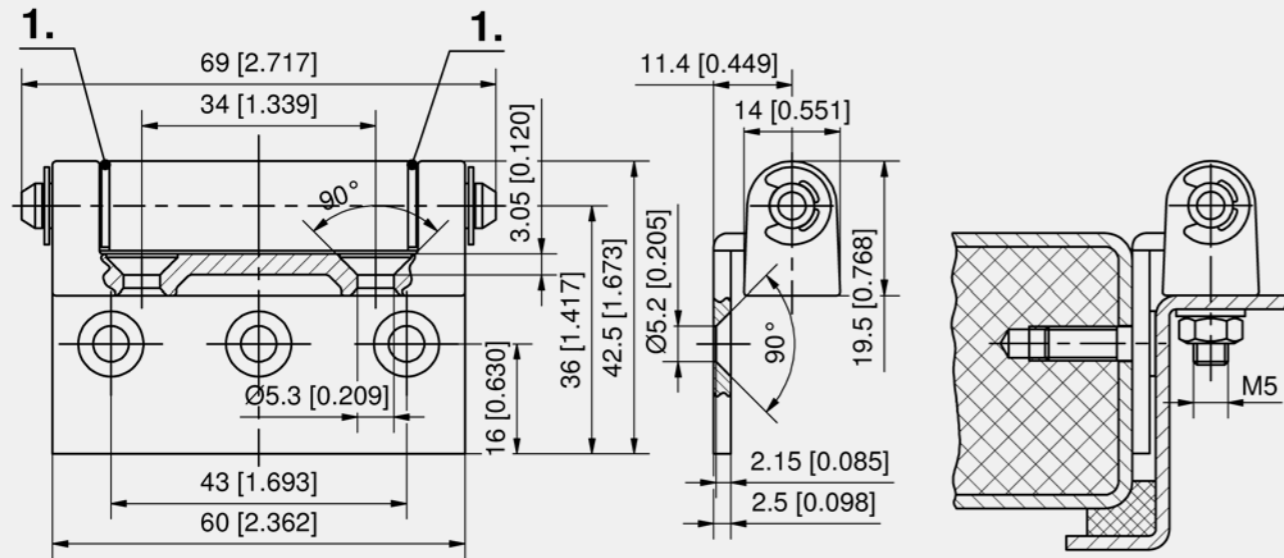
**Materials**

- **Frame- and door-part:** zinc die, black
- **Loose pin and washers:** steel, zinc plated
- **Fixed pin:** stainless steel
- **Bushings:** PA, natural
- **Snap wedges:** sintered metal, coated

**Remarks**

- 1. PA-bushings
- Further details and dimensions see product system 4-355.

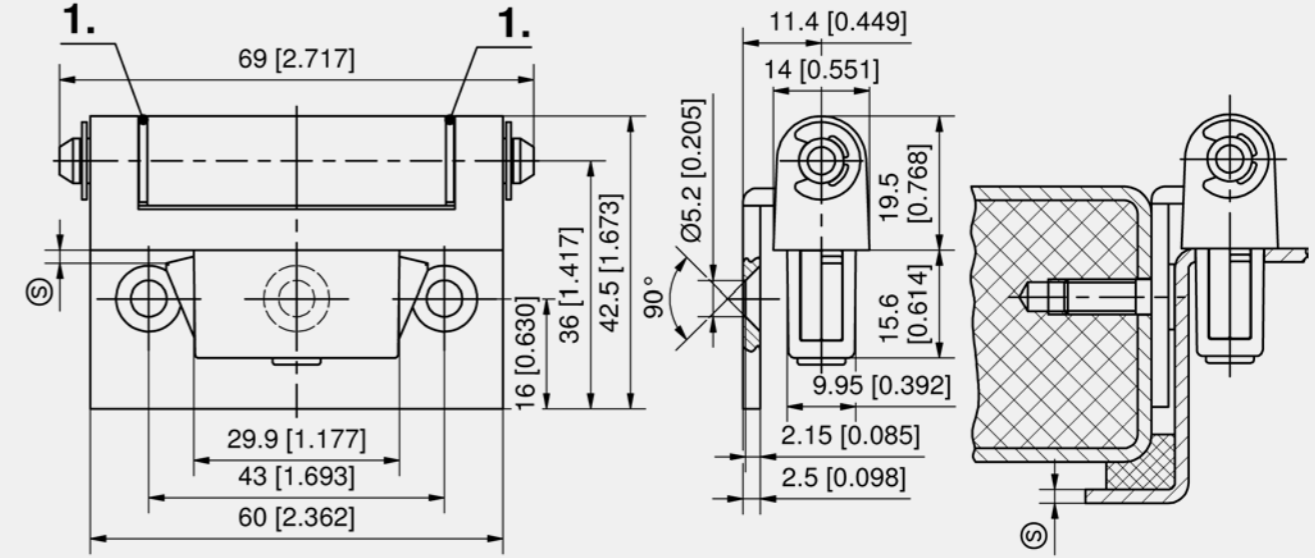
Hinges



Hinge

Part Number	Pin version	Installation type	Delivery Unit
217-9501.00-00000	with groove incl. locking washer DIN6799	screw-on	10 pcs.

Hinges



Hinge

Part Number	Clamping range (S)	Pin length L	Material pin	Pin version	Installation type	Delivery Unit
417-9103.00-00015	1.2 - 1.7 mm	69 mm	steel, zinc plated	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
417-9103.00-00020	1.7 - 2.2 mm	69 mm	steel, zinc plated	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
417-9103.00-00025	2.2 - 2.7 mm	69 mm	steel, zinc plated	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
417-9103.00-00030	2.7 - 3.2 mm	69 mm	steel, zinc plated	with groove incl. locking washer DIN6799	tool-less / screw-on	10 pcs.
417-9108.00-00015	1.2 - 1.7 mm	60 mm	stainless steel	pressed in	tool-less / screw-on	10 pcs.
417-9108.00-00020	1.7 - 2.2 mm	60 mm	stainless steel	pressed in	tool-less / screw-on	10 pcs.
417-9108.00-00025	2.2 - 2.7 mm	60 mm	stainless steel	pressed in	tool-less / screw-on	10 pcs.
417-9108.00-00030	2.7 - 3.2 mm	60 mm	stainless steel	pressed in	tool-less / screw-on	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout





**Advantages**

- Adjustable in height ± 4mm.
- For nested doors.
- Hinge visible.
- 180° Opening angle.
- RH / LH application.

**Materials**

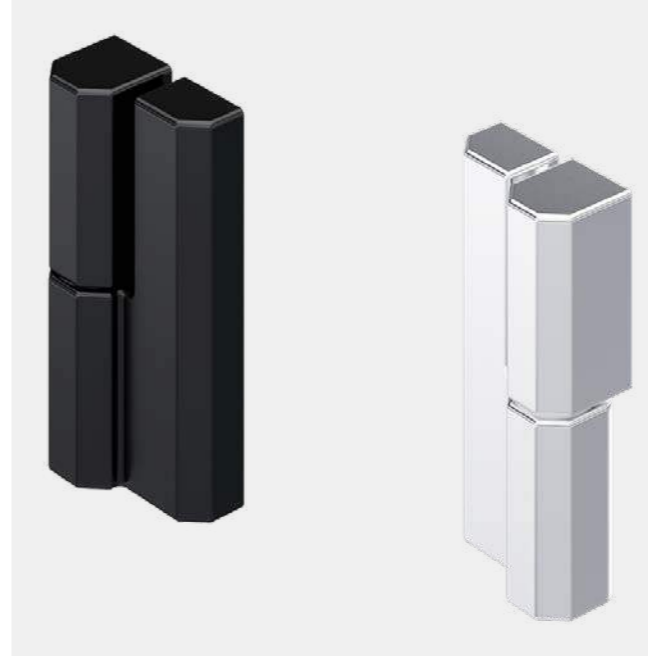
Hinge: AISI 316, satin polished

**Remarks**

- adjustable axis, wrench size 6
- fixing of adjustable axis stud M4, DIN 916 SW2

**Properties of material AISI 316**

Ti: the titanium increases the corrosion resistance even further, particularly the inter-crystalline corrosion at the grain boundaries.



**Advantages**

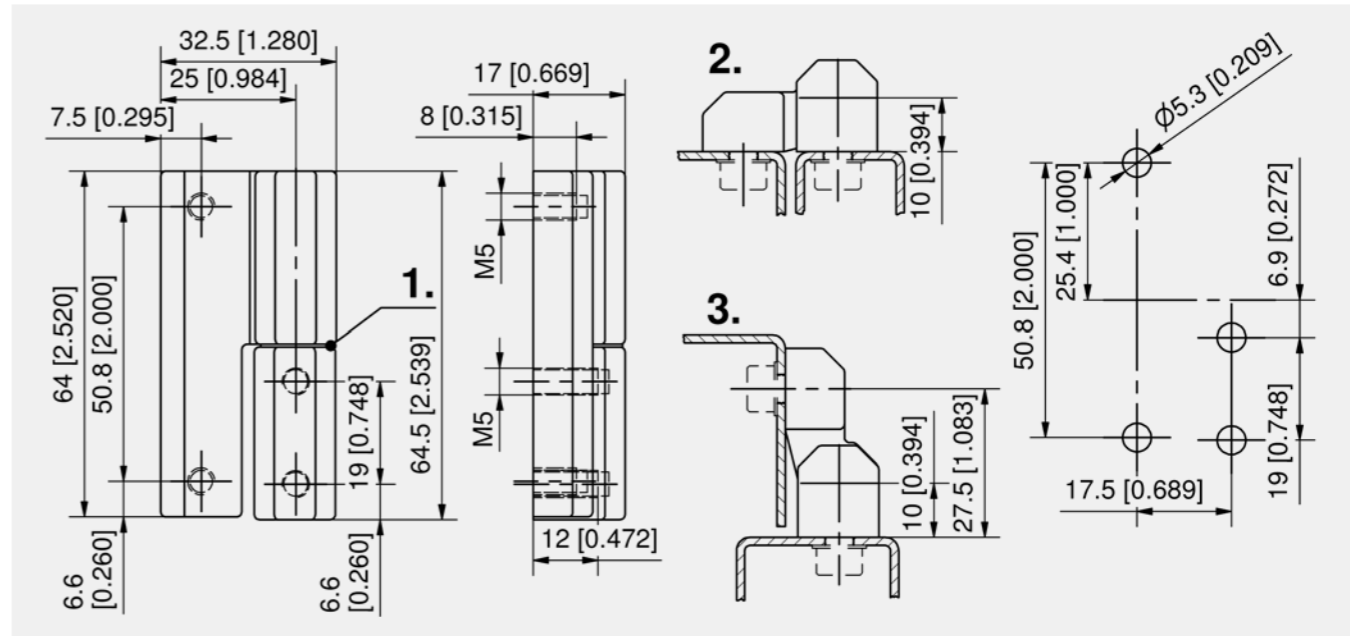
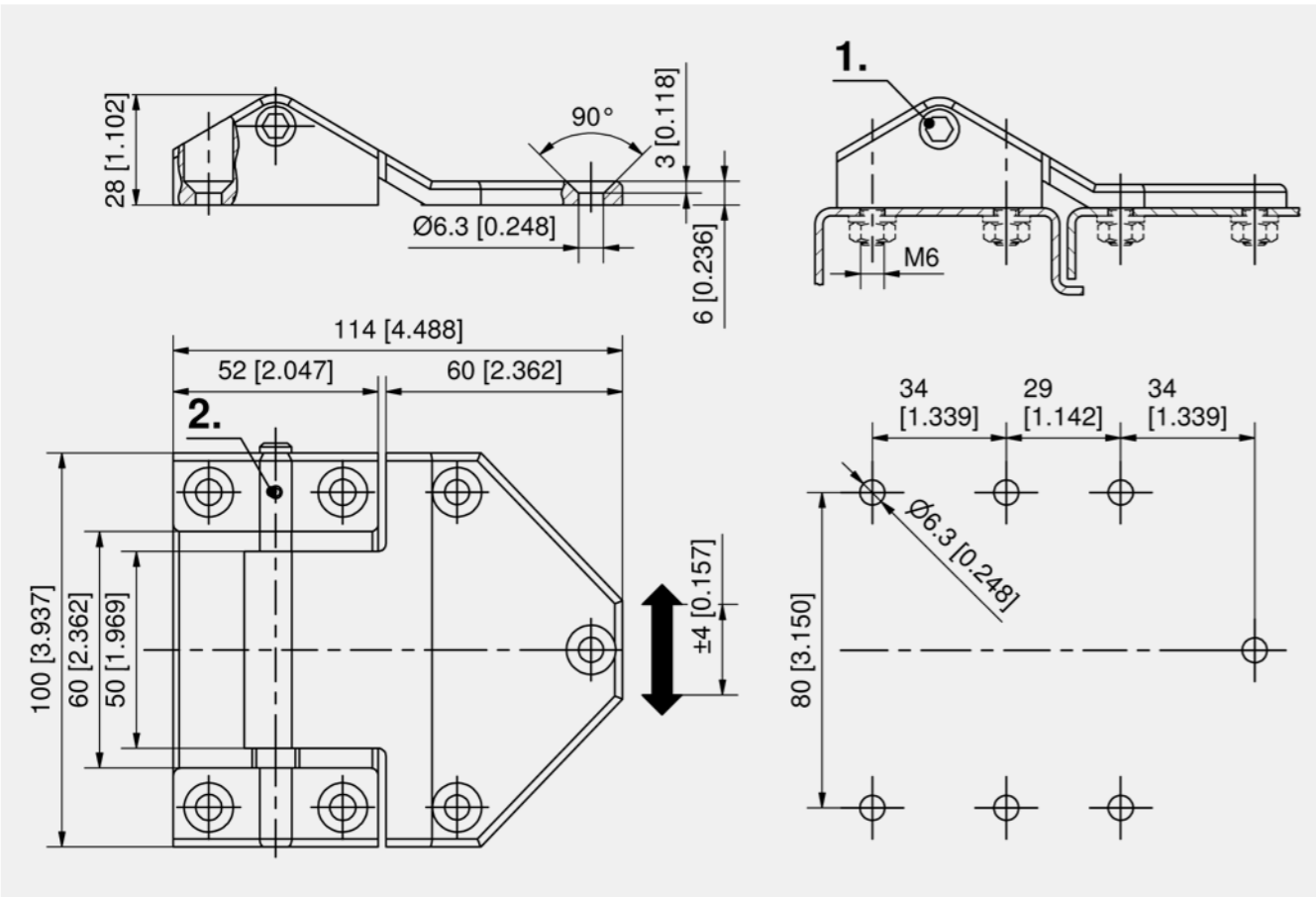
- For nested or surface mounted doors.
- Hinge visible.
- RH and LH version.
- 180° Opening angle.
- Screw-on.
- The installation screws are concealed.
- Lift-off.

**Materials**

- Hinge: zinc die, glossy chrome plated or black
- Pin cast-on: zinc die
- Spacer: Teflon, black or white

**Remarks**

- spacer
- example of application nested door - 180° opening angle
- example of application surface mounted door - 135° opening angle



Hinge, zinc die

Part Number	Surface	Version	Pin version	Installation type	Delivery Unit
217-9503.00-00000	black	RH version	cast-on	screw-on	10 pcs.
217-9504.00-00000	black	LH version	cast-on	screw-on	10 pcs.
217-9505.00-00000	glossy chrome plated	RH version	cast-on	screw-on	10 pcs.
217-9506.00-00000	glossy chrome plated	LH version	cast-on	screw-on	10 pcs.

Hinge, adjustable

Part Number	Width W	Height H	Pin version	Installation type	Delivery Unit
217-9605.00-00000	114 mm	100 mm	screwed	screw-on	1 pc.







**Advantages**

- For nested or surface mounted doors.
- Hinge visible.
- With DIRAK-SNAP-Technology.
- RH and LH version.
- 180° Opening angle.
- Lift-off.
- Although designed initially for flush constructions, this hinge can also be used for surface mounted doors (refer to example of application 3.).
- The installation of the frame-part and door-part is tool-less, achieved by a simple push into the appropriate cutouts.
- Version with pressed in pin for high loads.

**Materials**

- **Hinge-parts:** zinc die, matt black
- **Pin cast-on:** zinc die
- **For heavy duty, solid pin, pressed in:** stainless steel
- **Spacer:** Teflon, black
- **Snap wedges:** sintered steel

**Remarks**

- Attention:** The angle is only 130° for surface-mounted applications. See product system 4-346DST.
1. spacer
  2. example of application nested door
  3. example of application surface mounted door



**Advantages**

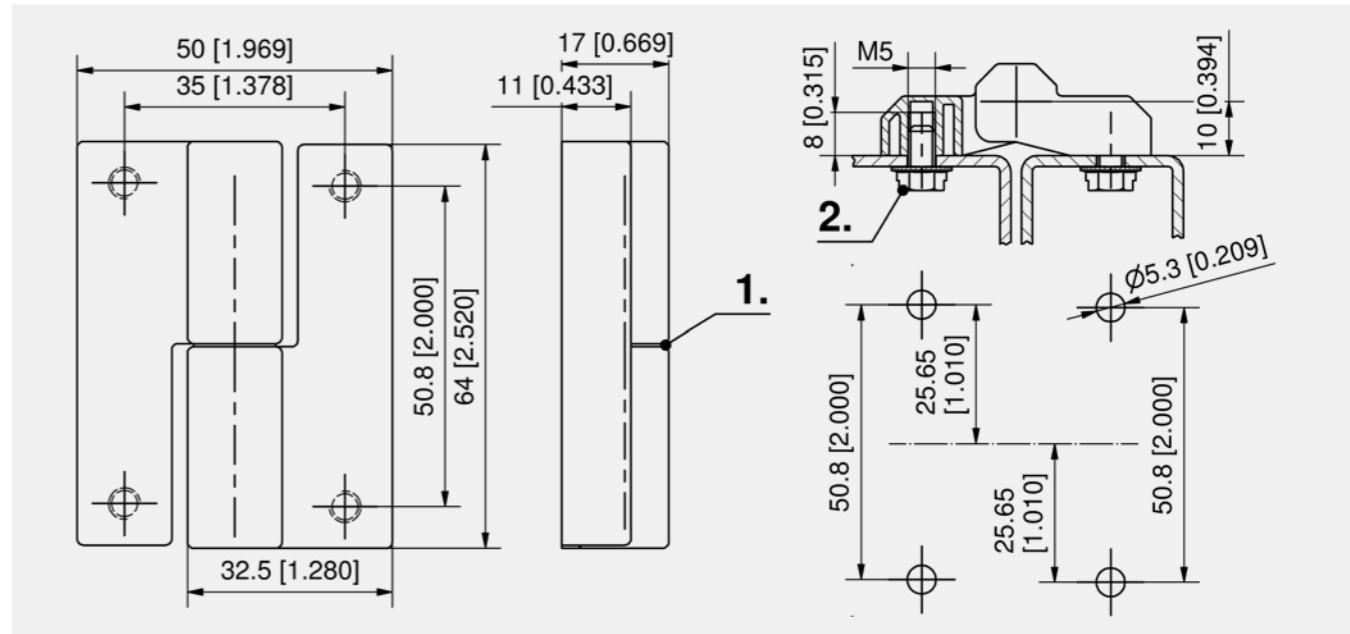
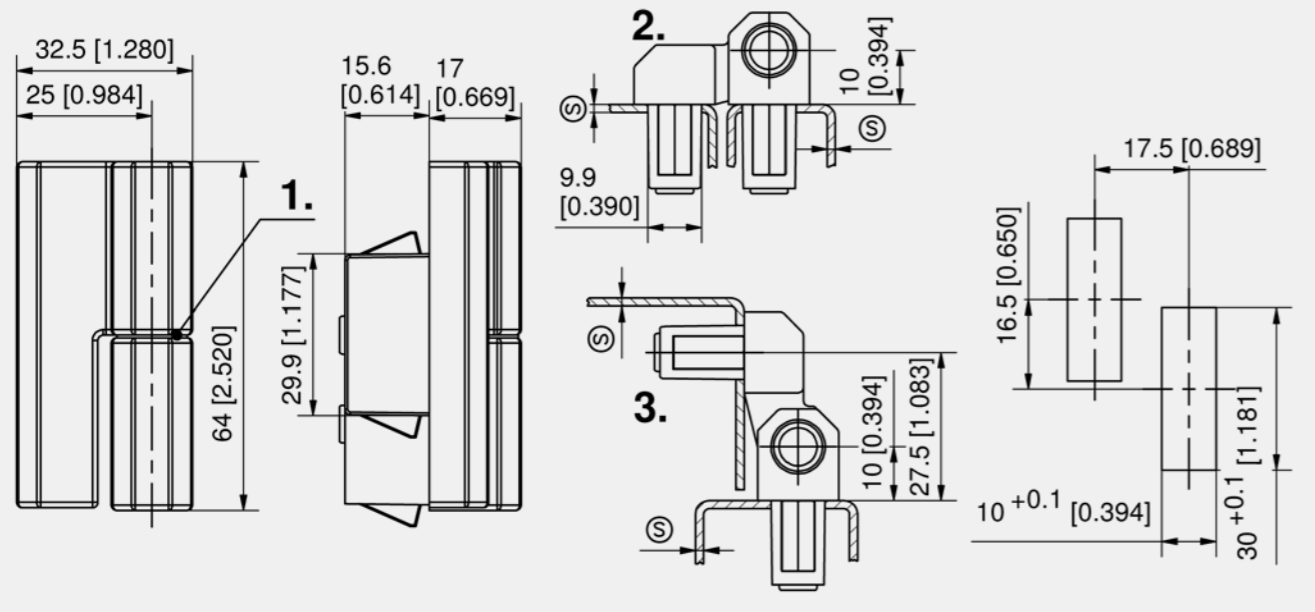
- For nested doors.
- Hinge visible.
- Lift-off.
- RH and LH version
- 160° Opening angle.
- The fitting screws are concealed.
- The 35mm screw-distance allows for easier fitting.

**Materials**

- **Hinge-parts:** zinc die, glossy chrome plated or black
- **Pin:** stainless steel
- **Spacer:** Teflon, black or white

**Remarks**

Spacer 1. and 4 screws M5x8 with under head serrations 2. are included.



Hinge

Part Number	Clamping range (S)	Version	Material pin	Pin version	Installation type	Delivery Unit
417-9005.00-00010	0.7 - 1.2 mm	RH version	zinc die	cast-on	tool-less	10 pcs.
417-9005.00-00015	1.2 - 1.7 mm	RH version	zinc die	cast-on	tool-less	10 pcs.
417-9005.00-00020	1.7 - 2.2 mm	RH version	zinc die	cast-on	tool-less	10 pcs.
417-9005.00-00030	2.7 - 3.2 mm	RH version	zinc die	cast-on	tool-less	10 pcs.
417-9011.00-00010	0.7 - 1.2 mm	RH version	stainless steel	pressed in	tool-less	10 pcs.
417-9011.00-00015	1.2 - 1.7 mm	RH version	stainless steel	pressed in	tool-less	10 pcs.
417-9011.00-00020	1.7 - 2.2 mm	RH version	stainless steel	pressed in	tool-less	10 pcs.
417-9011.00-00030	2.7 - 3.2 mm	RH version	stainless steel	pressed in	tool-less	10 pcs.
417-9006.00-00010	0.7 - 1.2 mm	LH version	zinc die	cast-on	tool-less	10 pcs.
417-9006.00-00015	1.2 - 1.7 mm	LH version	zinc die	cast-on	tool-less	10 pcs.
417-9006.00-00020	1.7 - 2.2 mm	LH version	zinc die	cast-on	tool-less	10 pcs.
417-9006.00-00030	2.7 - 3.2 mm	LH version	zinc die	cast-on	tool-less	10 pcs.
417-9010.00-00010	0.7 - 1.2 mm	LH version	stainless steel	pressed in	tool-less	10 pcs.
417-9010.00-00015	1.2 - 1.7 mm	LH version	stainless steel	pressed in	tool-less	10 pcs.
417-9010.00-00020	1.7 - 2.2 mm	LH version	stainless steel	pressed in	tool-less	10 pcs.
417-9010.00-00030	2.7 - 3.2 mm	LH version	stainless steel	pressed in	tool-less	10 pcs.

Accessories	
764	292-0306.80-02530 <b>Tool for uninstallation</b>
762	292-0401.00-03010 <b>Cutout-cover</b>

Accessories	
763	292-0702.15-01030 <b>Reinforcement plate for cutout</b>

Hinge, zinc die

Part Number	Surface	Version	Pin version	Installation type	Delivery Unit
217-9507.00-00000	glossy chrome plated	RH version	pressed in	screw-on	10 pcs.
217-9508.00-00000	glossy chrome plated	LH version	pressed in	screw-on	10 pcs.
217-9509.00-00000	black	RH version	pressed in	screw-on	10 pcs.
217-9510.00-00000	black	LH version	pressed in	screw-on	10 pcs.





**Advantages**

- For nested doors.
- Hinge visible.
- RH and LH version.
- 160° Opening angle.
- With DIRAK-SNAP-Technology.
- Lift-off.
- The installation of the frame-part and door-part is tool-less, achieved by a simple push into the appropriate cutouts.

**Materials**

- **Hinge-parts:** zinc die, matte black
- **Solid pin, pressed in:** stainless steel
- **Spacer:** Teflon, black
- **Snap wedges:** sintered steel, zinc plated

**Remarks**

- 1. spacer



**Advantages**

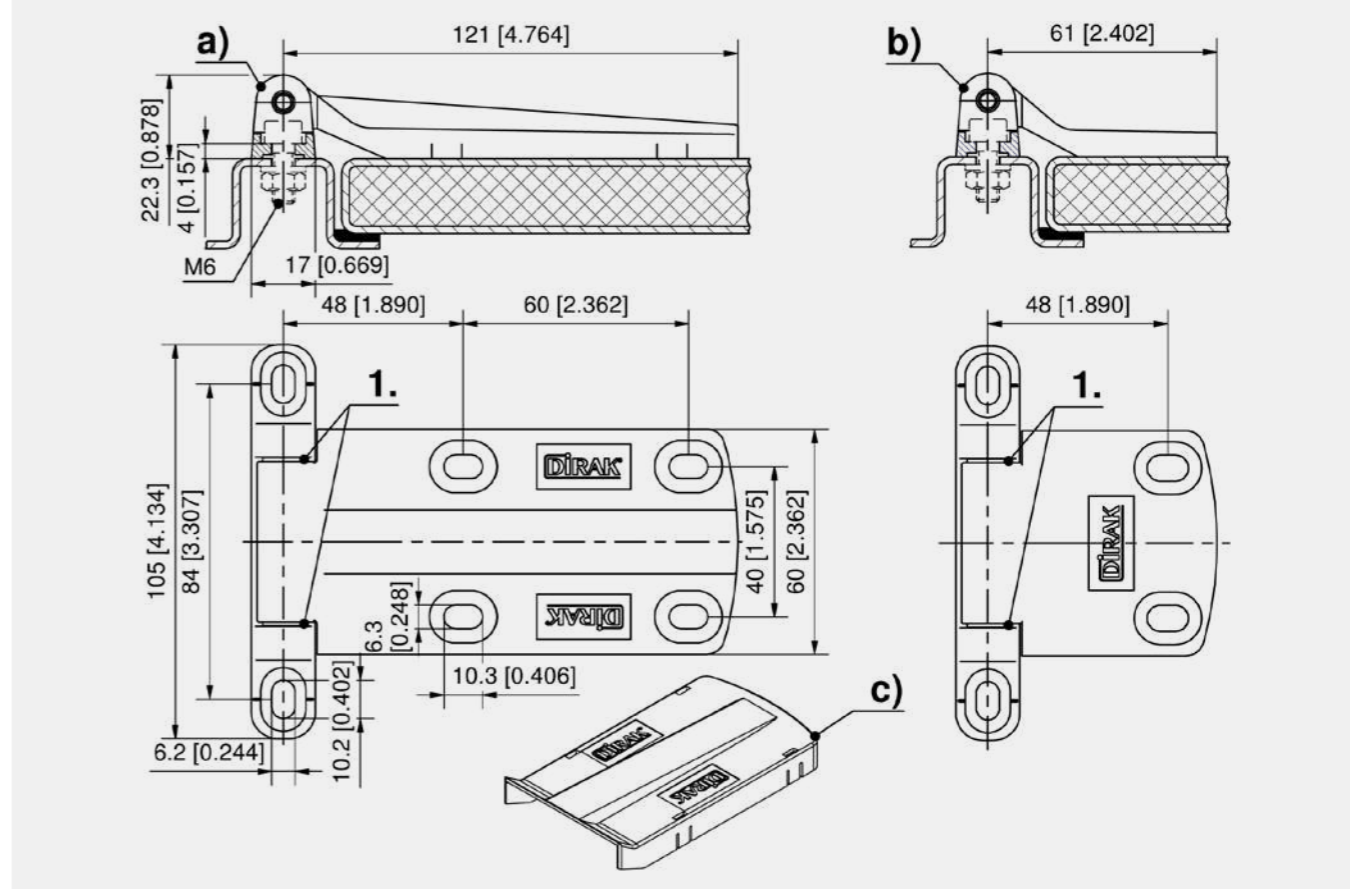
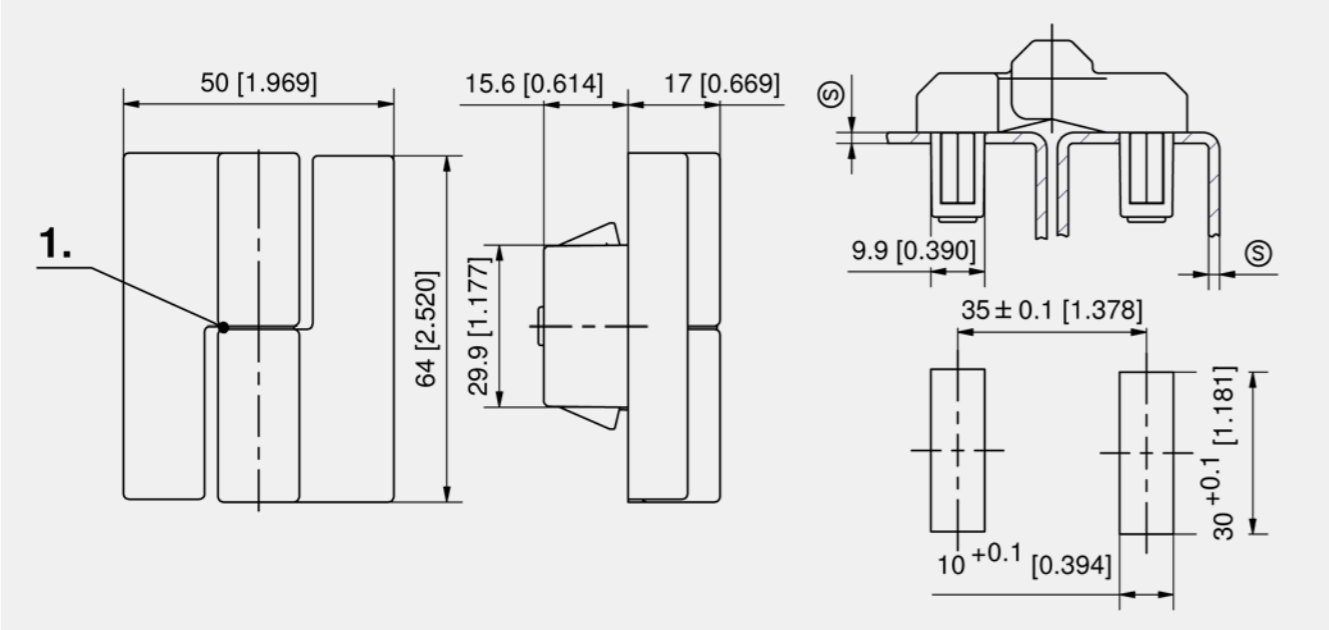
- Adjustable in: height  $\pm 2$  mm/width  $\pm 2$  mm.
- Pin in blind hole secured against knock out.
- For nested doors.
- Hinge visible.
- 180° Opening angle.
- RH and LH version.

**Materials**

- **Frame- and door-part:** Aluminium, black
- **Bushings:** PA, natur
- **Pin:** Steel, zinc plated
- **Cover:** PA, black

**Remarks**

- 1. PA bushings



Hinge

Part Number	Clamping range (S)	Version	Pin version	Installation type	Delivery Unit
417-9007.00-00010	0.7 - 1.2 mm	RH version	pressed in	tool-less	10 pcs.
417-9007.00-00015	1.2 - 1.7 mm	RH version	pressed in	tool-less	10 pcs.
417-9007.00-00020	1.7 - 2.2 mm	RH version	pressed in	tool-less	10 pcs.
417-9007.00-00030	2.7 - 3.2 mm	RH version	pressed in	tool-less	10 pcs.
417-9008.00-00010	0.7 - 1.2 mm	LH version	pressed in	tool-less	10 pcs.
417-9008.00-00015	1.2 - 1.7 mm	LH version	pressed in	tool-less	10 pcs.
417-9008.00-00020	1.7 - 2.2 mm	LH version	pressed in	tool-less	10 pcs.
417-9008.00-00030	2.7 - 3.2 mm	LH version	pressed in	tool-less	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout

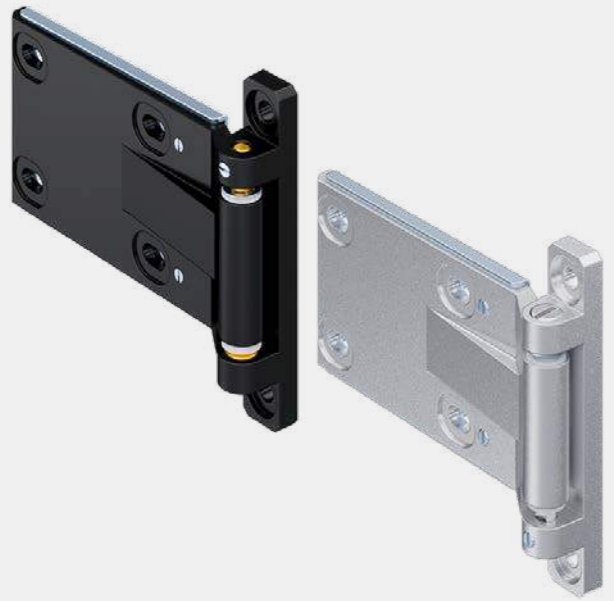
2D hinge

	Part Number	Version	Variant	Pin version	Installation type	Delivery Unit
a)	217-9414.00-00000	RH version	long version	pressed in	screw-on	10 pcs.
a)	217-9415.00-00000	LH version	long version	pressed in	screw-on	10 pcs.
b)	217-9416.00-00000	RH version	short version	pressed in	screw-on	10 pcs.
b)	217-9417.00-00000	LH version	short version	pressed in	screw-on	10 pcs.

Cap

	Part Number	Version	Delivery Unit
c)	217-1301.52-07500	for hinge long version	10 pcs.





**Advantages**

- Adjustable in: height ±2mm (0.079) / width ±2mm (0.079) / depth ±2mm (0.079)
- For nested doors.
- Hinge visible.
- 180° Opening angle.
- RH and LH version.
- Version not assembled for RH and LH application.

**Materials**

- Frame- and door-part:** zinc die, untreated or black
- Base plate:** steel, zinc plated or black
- Bushings:** PA, natural
- Pin:** brass, untreated or AISI 303
- Washers:** AISI 304

**Remarks**

- pressure screw for depth adjustment
- locking of the adjustable brass axle
- PA bushings
- base plate has 4 holes Ø4.1 for possible additional fastening at the door leaf



**Advantages**

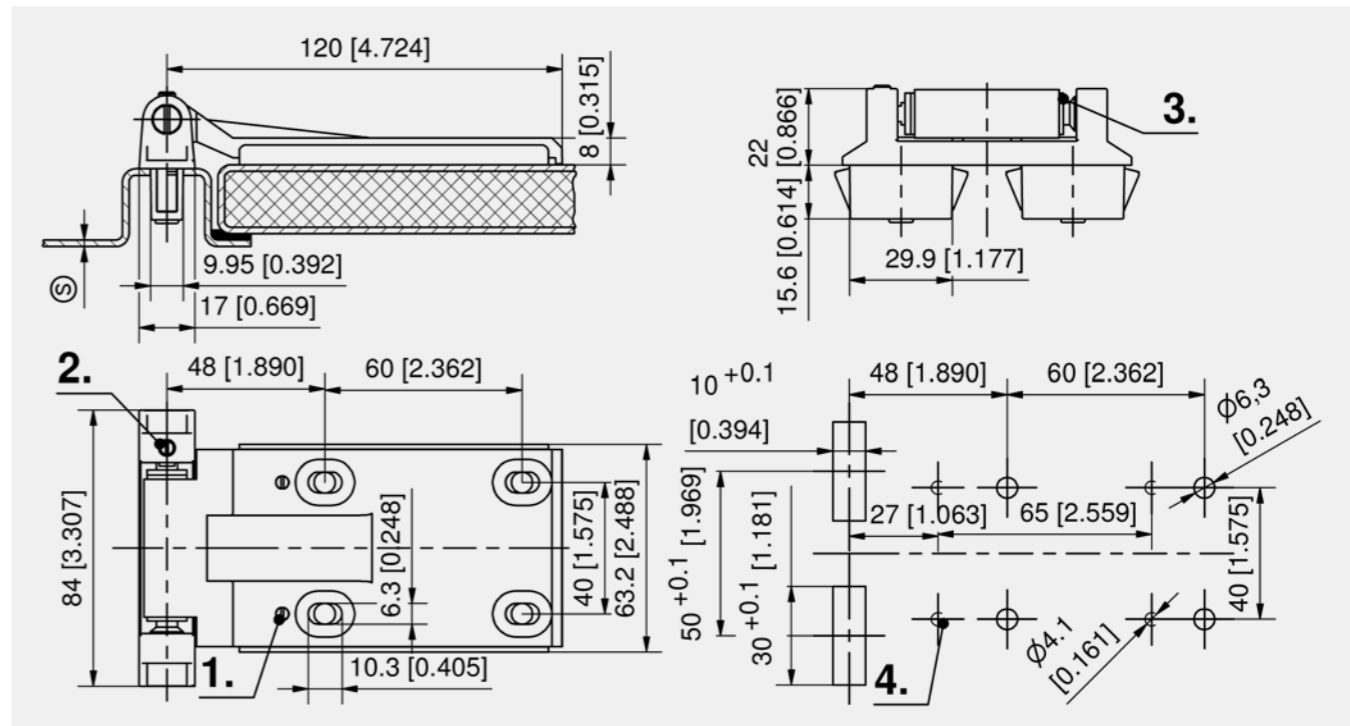
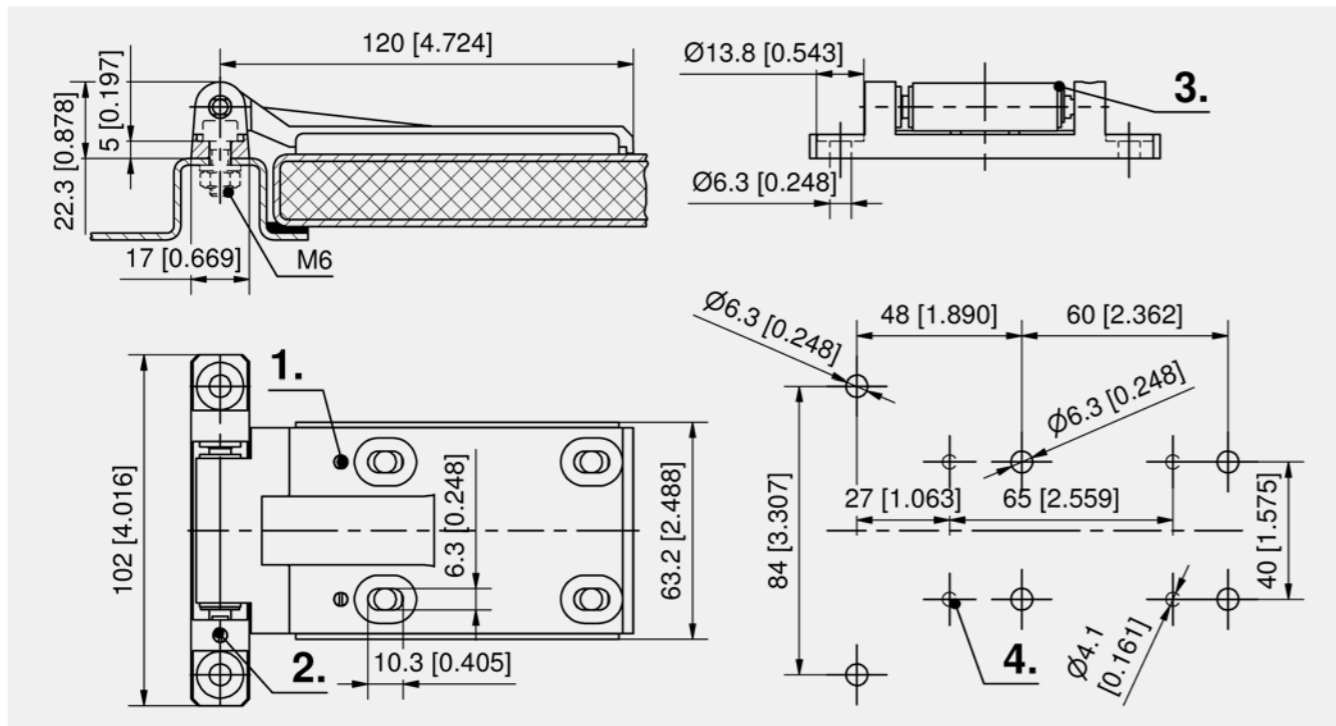
- 3D hinge with DIRAK-SNAP-Technology.
- Adjustable in: height ±2mm / width ±2mm / depth ±2mm.
- For nested doors.
- Hinge visible.
- 180° Opening angle.
- RH and LH version.
- The installation of the frame part is tool-less, achieved by a simple push into the appropriate cutouts.

**Materials**

- Frame- and door-part:** zinc die, black
- Base-plate:** steel, zinc plated
- Pin:** brass, untreated, stainless steel on request
- Snap wedges:** sintered metal, coated
- Bushings:** PA, natural
- Studs, bearing washer and c-clips:** stainless steel

**Remarks**

- pushing screw for depth adjusting
- securing screw for adjustable brass pin
- PA bushing
- base plate has 4 holes Ø4.1 for possible additional fastening at the door.



3D hinge

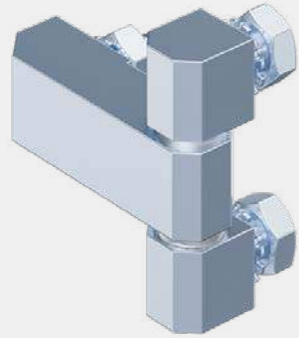
Part Number	Base plate	Version	Surface	Material pin	Pin version	Installation type	Delivery Unit
217-9402.00-00000	steel, zinc plated	RH version	untreated	brass	screwed	screw-on	10 pcs.
217-9403.00-00000	steel, zinc plated	LH version	untreated	brass	screwed	screw-on	10 pcs.
217-9404.00-00000	steel, zinc plated	not assembled	untreated	brass	screwed	screw-on	10 pcs.
217-9408.00-00000	steel, black	RH version	untreated	AISI 303	screwed	screw-on	10 pcs.
217-9409.00-00000	steel, black	LH version	untreated	AISI 303	screwed	screw-on	10 pcs.
217-9410.00-00000	steel, black	not assembled	untreated	AISI 303	screwed	screw-on	10 pcs.
217-9405.00-00000	steel, zinc plated	RH version	black	brass	screwed	screw-on	10 pcs.
217-9406.00-00000	steel, zinc plated	LH version	black	brass	screwed	screw-on	10 pcs.
217-9407.00-00000	steel, zinc plated	not assembled	black	brass	screwed	screw-on	10 pcs.
217-9411.00-00000	steel, black	RH version	black	AISI 303	screwed	screw-on	10 pcs.
217-9412.00-00000	steel, black	LH version	black	AISI 303	screwed	screw-on	10 pcs.
217-9413.00-00000	steel, black	not assembled	black	AISI 303	screwed	screw-on	10 pcs.

3D hinge

Part Number	Clamping range (S)	Version	Pin version	Installation type	Delivery Unit
417-9002.00-00015	1.2 - 1.7 mm	RH version	screwed	tool-less / screw-on	10 pcs.
417-9002.00-00020	1.7 - 2.2 mm	RH version	screwed	tool-less / screw-on	10 pcs.
417-9002.00-00025	2.2 - 2.7 mm	RH version	screwed	tool-less / screw-on	10 pcs.
417-9002.00-00030	2.7 - 3.2 mm	RH version	screwed	tool-less / screw-on	10 pcs.
417-9003.00-00015	1.2 - 1.7 mm	LH version	screwed	tool-less / screw-on	10 pcs.
417-9003.00-00020	1.7 - 2.2 mm	LH version	screwed	tool-less / screw-on	10 pcs.
417-9003.00-00025	2.2 - 2.7 mm	LH version	screwed	tool-less / screw-on	10 pcs.
417-9003.00-00030	2.7 - 3.2 mm	LH version	screwed	tool-less / screw-on	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout





**Advantages**

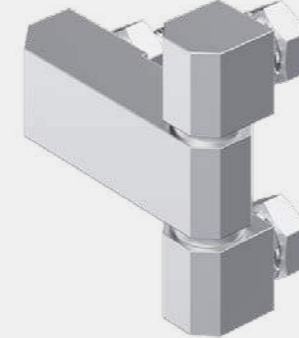
- Screw-on hinge for flush door construction.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Hinge halves, pin, stud, nuts and serrated washers** : steel, zinc plated
- **Washers**: brass, nickel plated

**Remarks**

M6 stud, 3 nuts and serrated washers are included.



**Advantages**

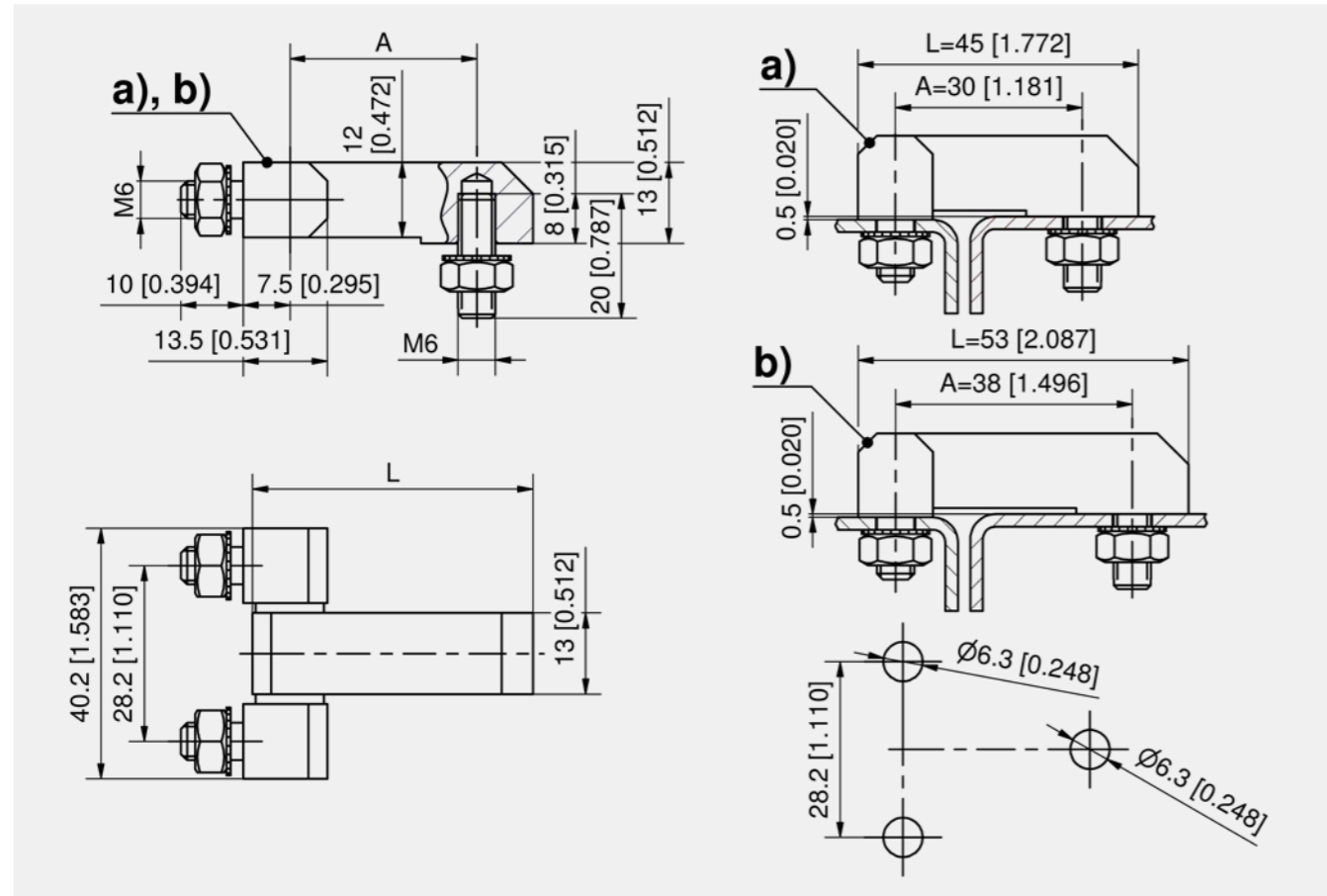
- Screw-on hinge for flush door/ frame construction, light-weight version.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Hinge**: AISI 303

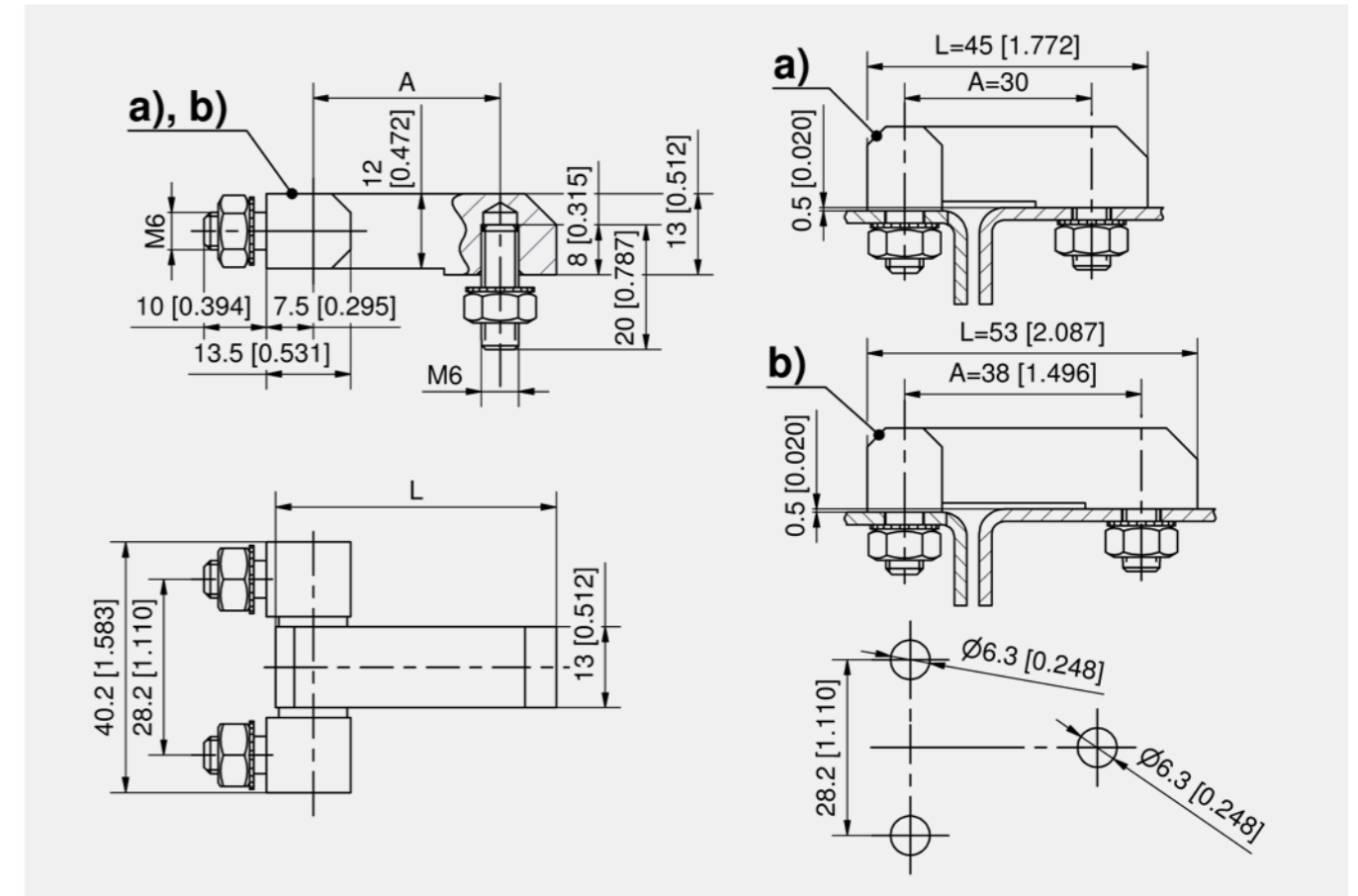
**Remarks**

M6 stud, 3 nuts and serrated washers are included.



Hinge

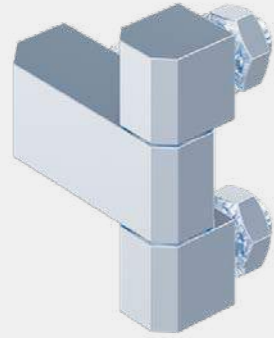
	Part Number	A	L	Pin version	Installation type	Delivery Unit
a)	219-9003.00-00000	30 mm	45 mm	loose	screw-on	10 pcs.
b)	219-9004.00-00000	38 mm	53 mm	loose	screw-on	10 pcs.



Hinge

	Part Number	A	L	Pin version	Installation type	Delivery Unit
a)	219-9006.00-00000	30 mm	45 mm	loose	screw-on	10 pcs.
b)	219-9007.00-00000	38 mm	53 mm	loose	screw-on	10 pcs.





**Advantages**

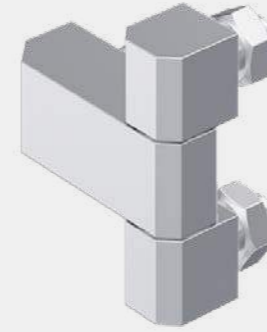
- Screw-on hinge for flush door construction.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Hinge halves, pin, stud, nuts and serrated washers** : steel, zinc plated
- **Washers**: brass, nickel plated

**Remarks**

1. washer
2. stud M8, 3 nuts and serrated washers are included.



**Advantages**

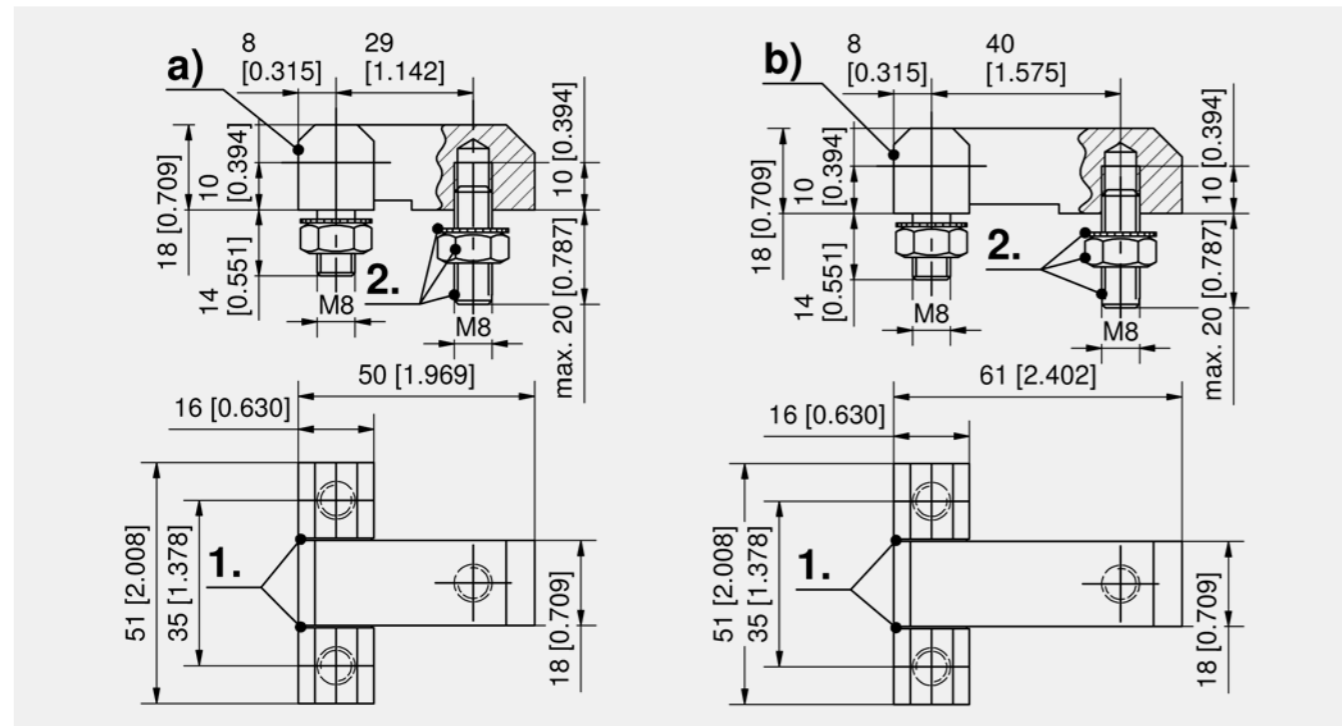
- Screw-on hinge for flush door construction, heavy duty version.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Hinge**: AISI 304

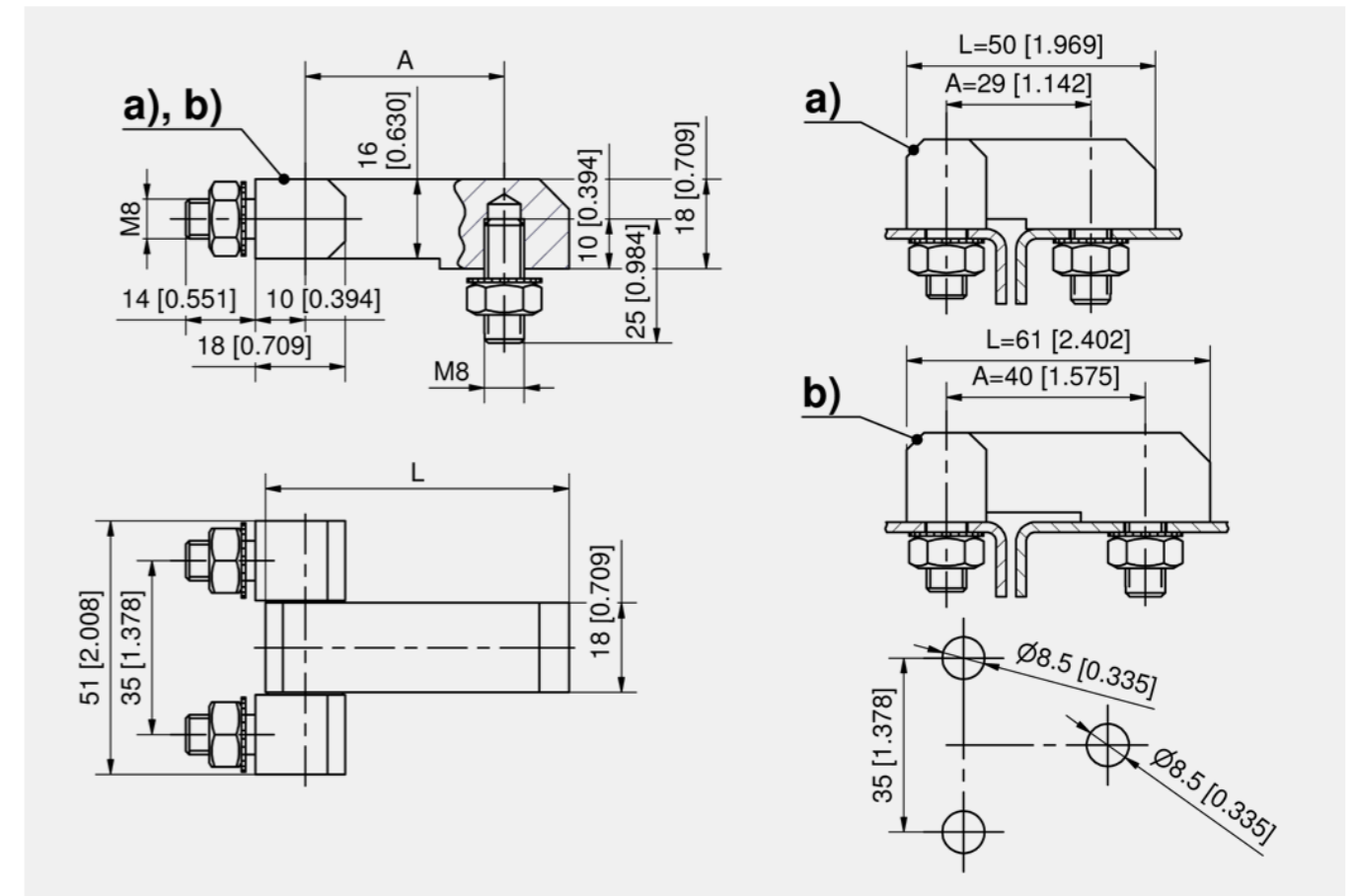
**Remarks**

- Stud M8, 3 nuts and serrated washers are included.



Hinge

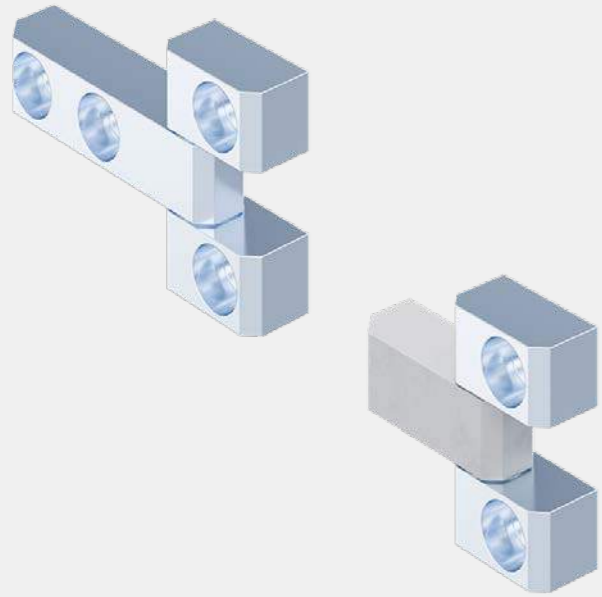
	Part Number	Length	Pin version	Installation type	Delivery Unit
a)	219-9102.00-00000	50 mm	loose	screw-on	10 pcs.
b)	219-9103.00-00000	61 mm	loose	screw-on	10 pcs.



Hinge

	Part Number	A	L	Pin version	Installation type	Delivery Unit
a)	219-9107.00-00000	29 mm	50 mm	loose	screw-on	10 pcs.
b)	219-9108.00-00000	40 mm	61 mm	loose	screw-on	10 pcs.





**Advantages**

- Screw-on / weld-on hinge.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

- a) and b)
- **Door- and frame-part:** steel, zinc plated
- c)
- **Door-part:** steel, untreated
- **Frame-part:** steel, zinc plated
- **Washer:** brass, nickel plated
- **Pin:** steel, nickel plated

**Remarks**

- 1. washer



**Advantages**

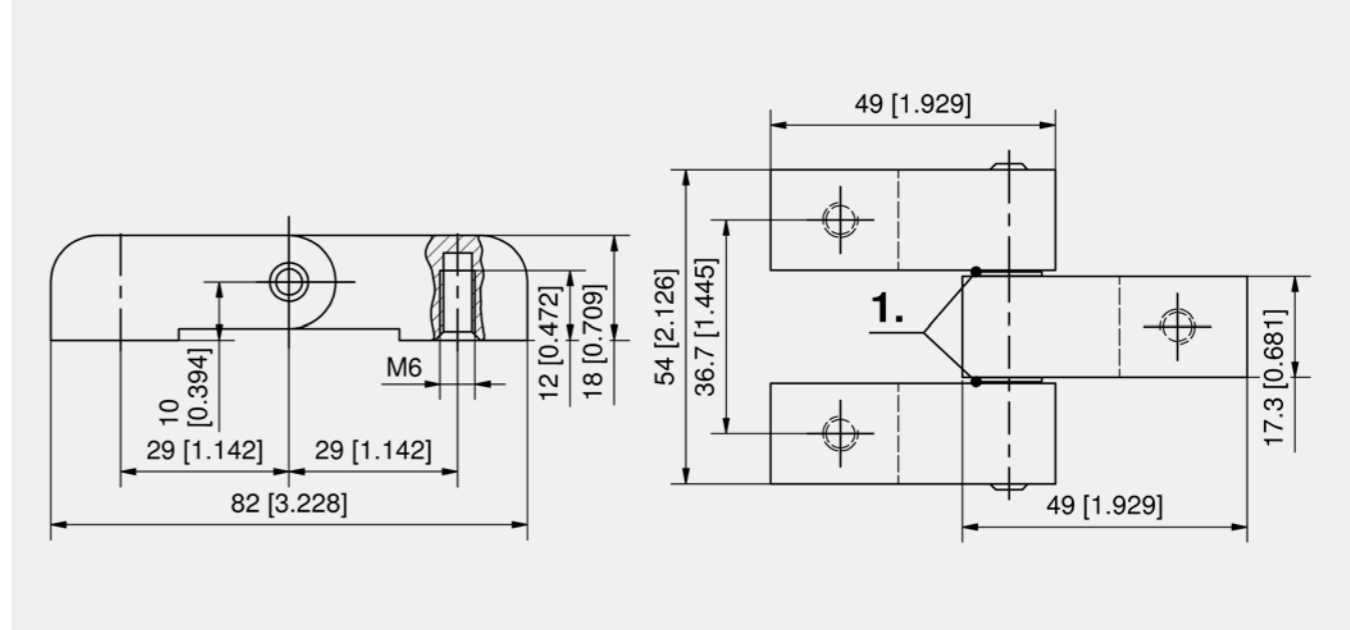
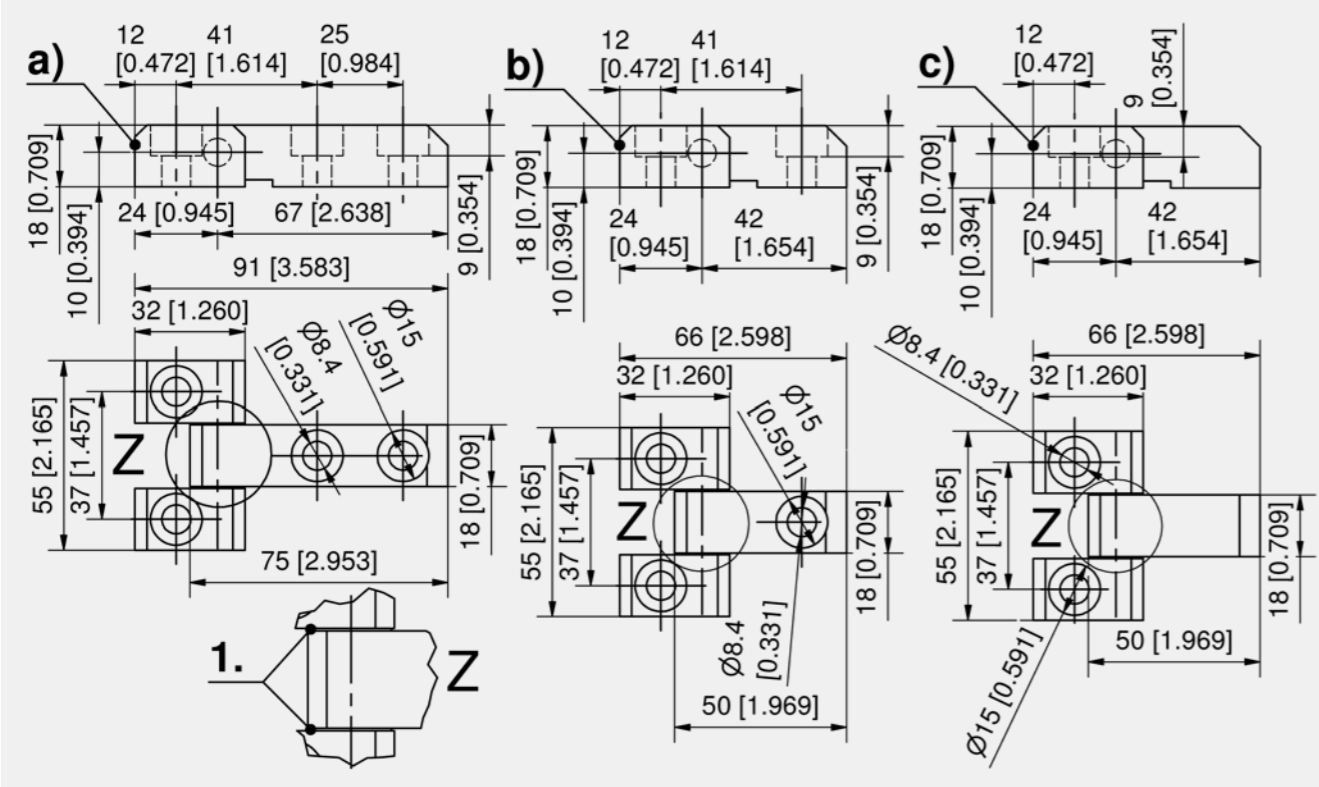
- Hinge for flush door construction.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Hinge:** zinc die, black
- **Pin and washer:** stainless steel

**Remarks**

- 1. washer



Hinge

Part Number	Pin version	Installation type	Delivery Unit
219-9104.00-00000	pressed in	screw-on	10 pcs.

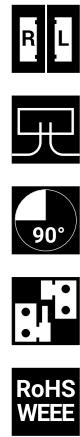
Hinge, middle-part long

Part Number	Version	Pin version	Installation type	Delivery Unit
a) 219-9109.00-00000	with two countersunk holes Ø8.4mm	loose	screw-on	10 pcs.

Hinge, middle-part short

Part Number	Version	Pin version	Installation type	Delivery Unit
b) 219-9113.00-00000	with one countersunk hole Ø8.4mm	loose	screw-on	10 pcs.
c) 219-9114.00-00000	without countersunk hole	loose	weld-on	10 pcs.





**Advantages**

- For nested doors.
- Hinge concealed.
- RH / LH application.
- 90° Opening angle.
- The 2 main hinge parts have a central guide to prevent door sagging.
- Horizontal adjustable.

**Materials**

- **Rolled frame-part:** steel, zinc plated
- **Z-part, hinge bolt, rolled door-part:** steel, untreated

**Remarks**

- 1. adjustable



**Advantages**

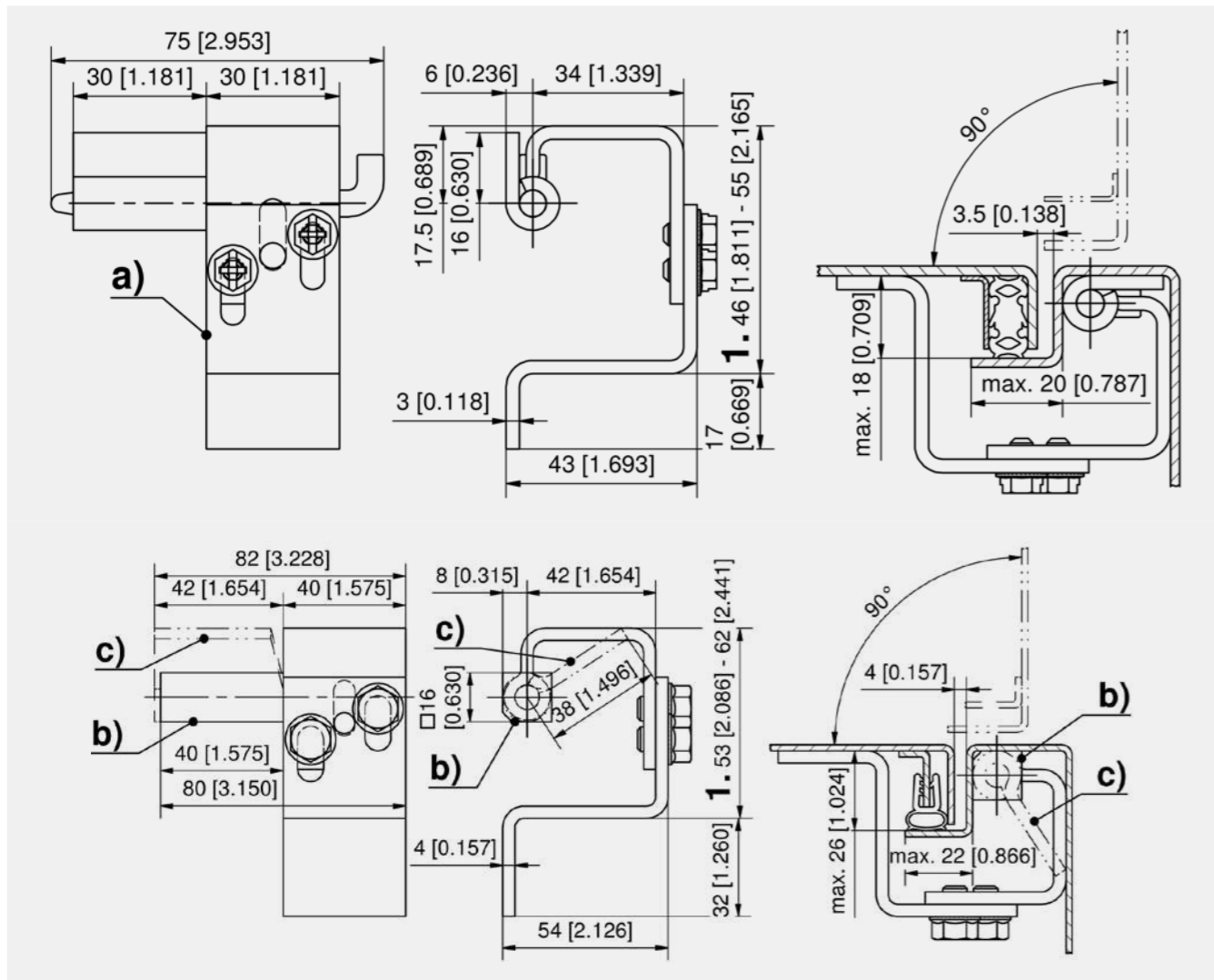
- For nested doors.
- Hinge concealed.
- RH / LH application.
- 90° Opening angle.
- The 2 main hinge parts have a central guide to prevent door sagging.
- Horizontal adjustable.

**Materials**

- **Hinge parts:** AISI 304

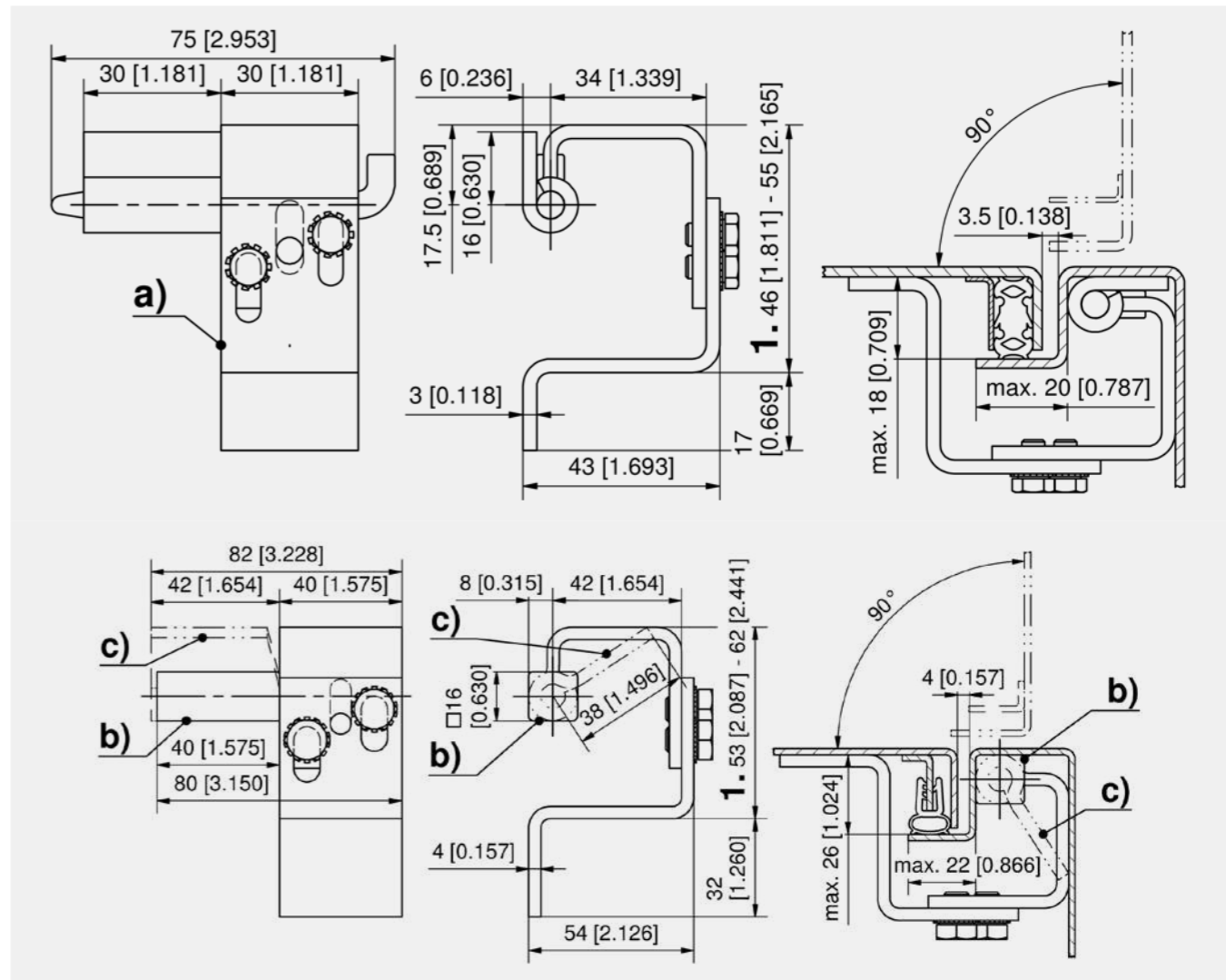
**Remarks**

- 1. adjustable



Concealed hinge

	Part Number	Pin version	Installation type	Delivery Unit
a)	222-9001.00-00000	loose	weld-on	1 pc.
b)	222-9101.00-00000	Pivot with □16	weld-on	1 pc.
c)	222-9103.00-00000	Pivot with flap	weld-on	1 pc.



Concealed hinge

	Part Number	Pin version	Installation type	Delivery Unit
a)	222-9105.00-00000	loose	weld-on	1 pc.
b)	222-9102.00-00000	Pivot with □16	weld-on	1 pc.
c)	222-9104.00-00000	Pivot with flap	weld-on	1 pc.



Pin Hinge with spring-loaded Pin Pr02 110° [4-390]



**Advantages**

- Pin hinge with spring-loaded pin.
- For nested doors.
- Hinge concealed.
- RH / LH applications.
- 110° Opening angle.
- Lift-off.
- The barrel (steel, untreated) is welded-in.
- After the painting process, the slotted pivot pin, hooked pin and spring have to be assembled.

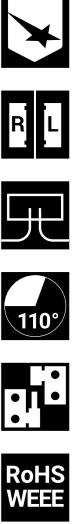
**Materials**

- **Bezel:** steel, untreated
- **Pin with slot and hook pin:** steel, zinc plated
- **Spring:** spring steel, galvanized

**Remarks**

1. pull the spring-loaded pin for installation and removal of the door
2. door fitted

Pin Hinge with spring-loaded Pin Pr02 110° St.-Steel [7-251]



**Advantages**

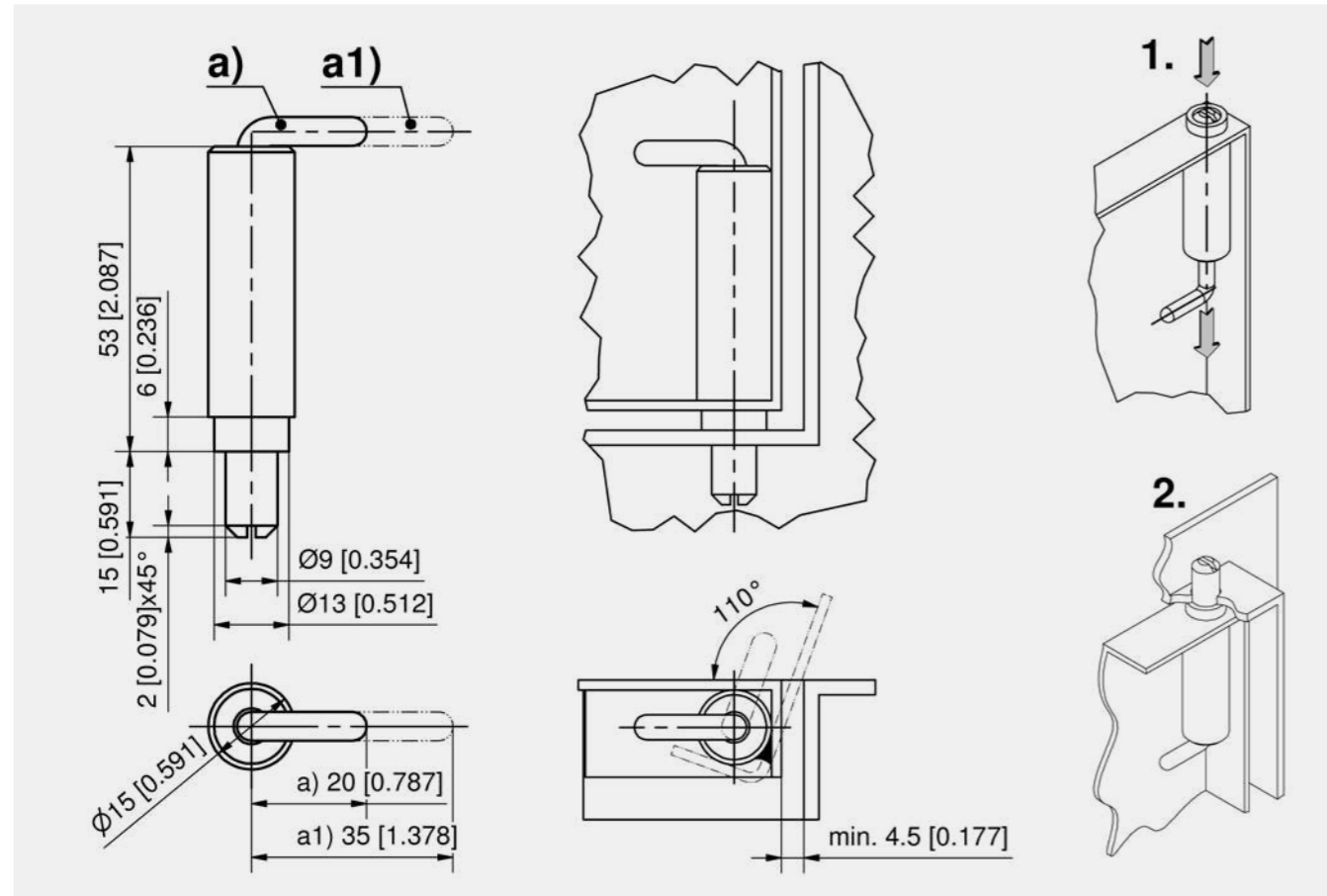
- Hinge with spring loaded pin for the removal of the door.
- For nested doors.
- Hinge concealed.
- RH / LH application.
- 110° Opening angle.
- Lift-off.
- The barrel is welded-in first.
- After the painting process, the slotted pivot pin, hooked pin and spring have to be assembled.

**Materials**

- **Bezel, pin and hook pin:** AISI 303
- **Spring:** AISI 301

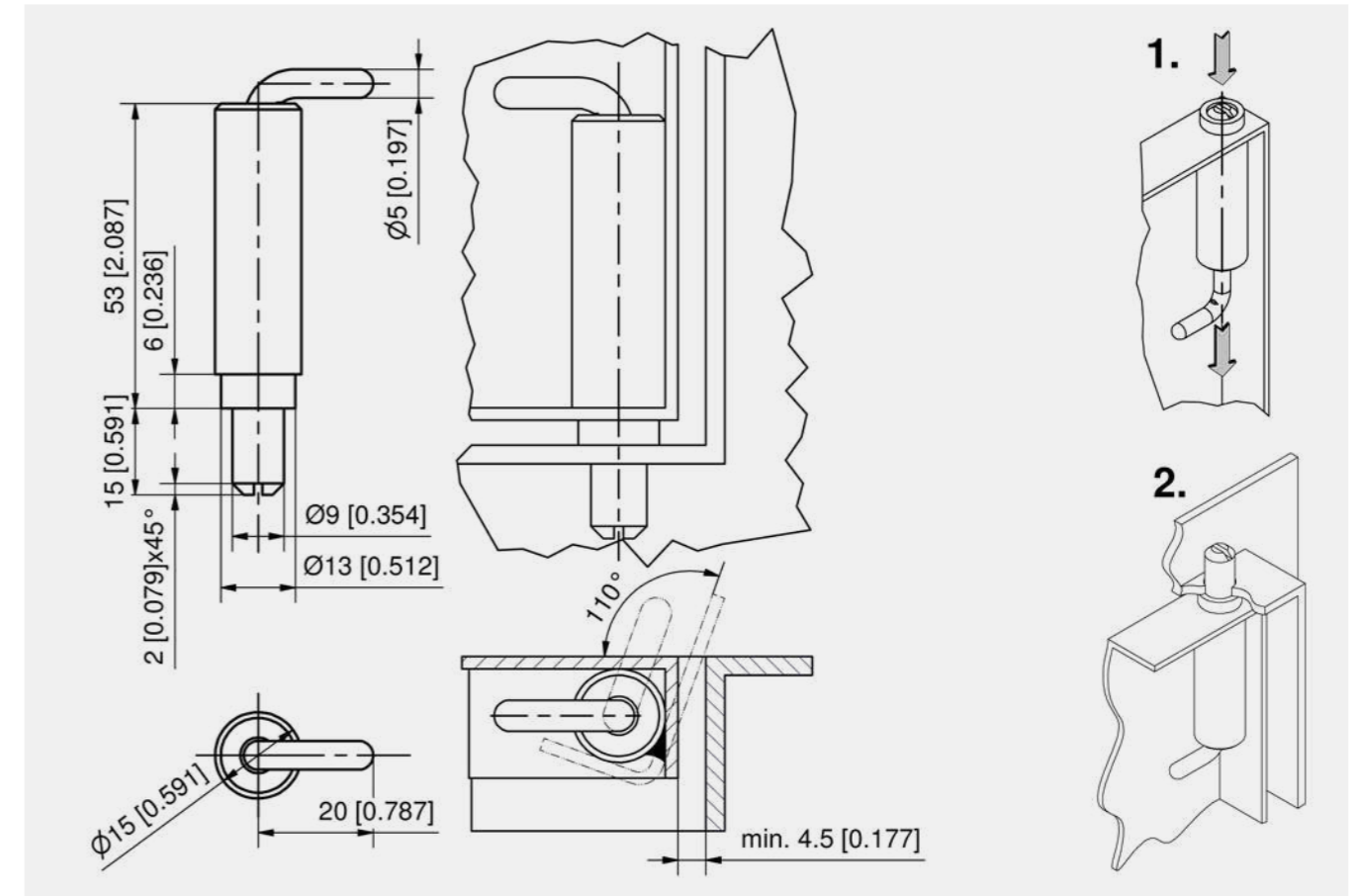
**Remarks**

1. pull the spring-loaded pin for installation and removal of the door
2. door fitted



Pin hinge

	Part Number	Length	Pin version	Installation type	Delivery Unit
a)	241-9001.00-00000	20 mm	spring-loaded	weld-on	10 pcs.
a1)	241-9002.00-00000	35 mm	spring-loaded	weld-on	10 pcs.

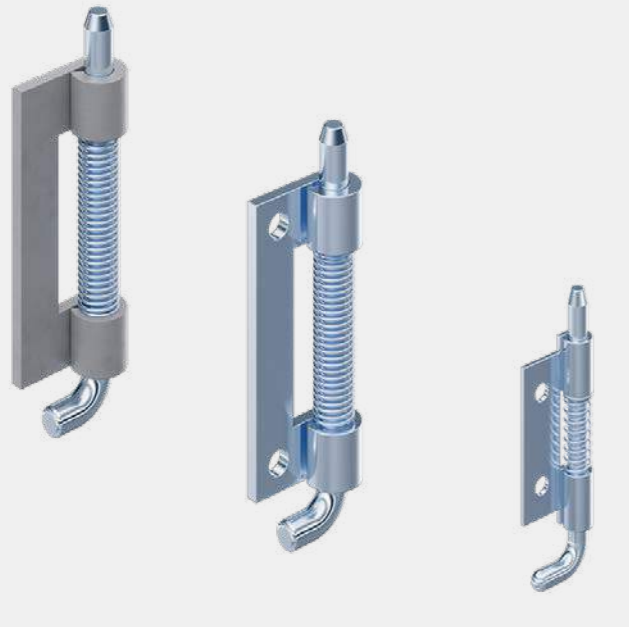


Pin hinge

	Part Number	Length	Pin version	Installation type	Delivery Unit
	241-9001.81-00000	20 mm	spring-loaded	weld-on	10 pcs.







**Advantages**

- Hinge with spring-loaded pin.
- For nested doors.
- Hinge concealed.
- RH and LH version.
- 120° Opening angle.
- With springloaded pin for extension of the door.

**Materials**

- **Door-part:** steel, untreated or steel, zinc plated
- **Pin:** steel, zinc plated
- **Spring:** stainless steel

**Remarks**

Versions Ø5mm are just welded-on.  
 Versions Ø4mm and Ø6mm are welded-on and screwed-on.  
 Drawn is right version.

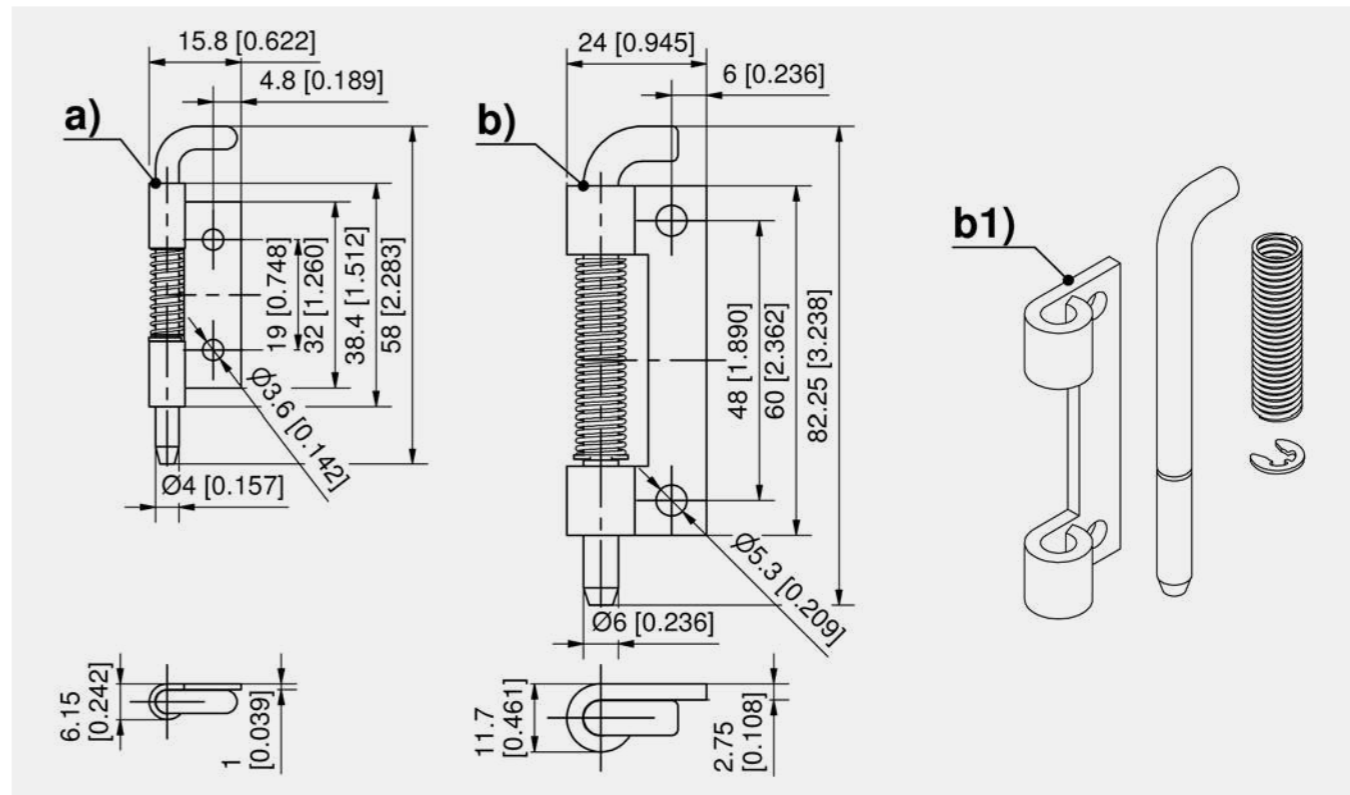
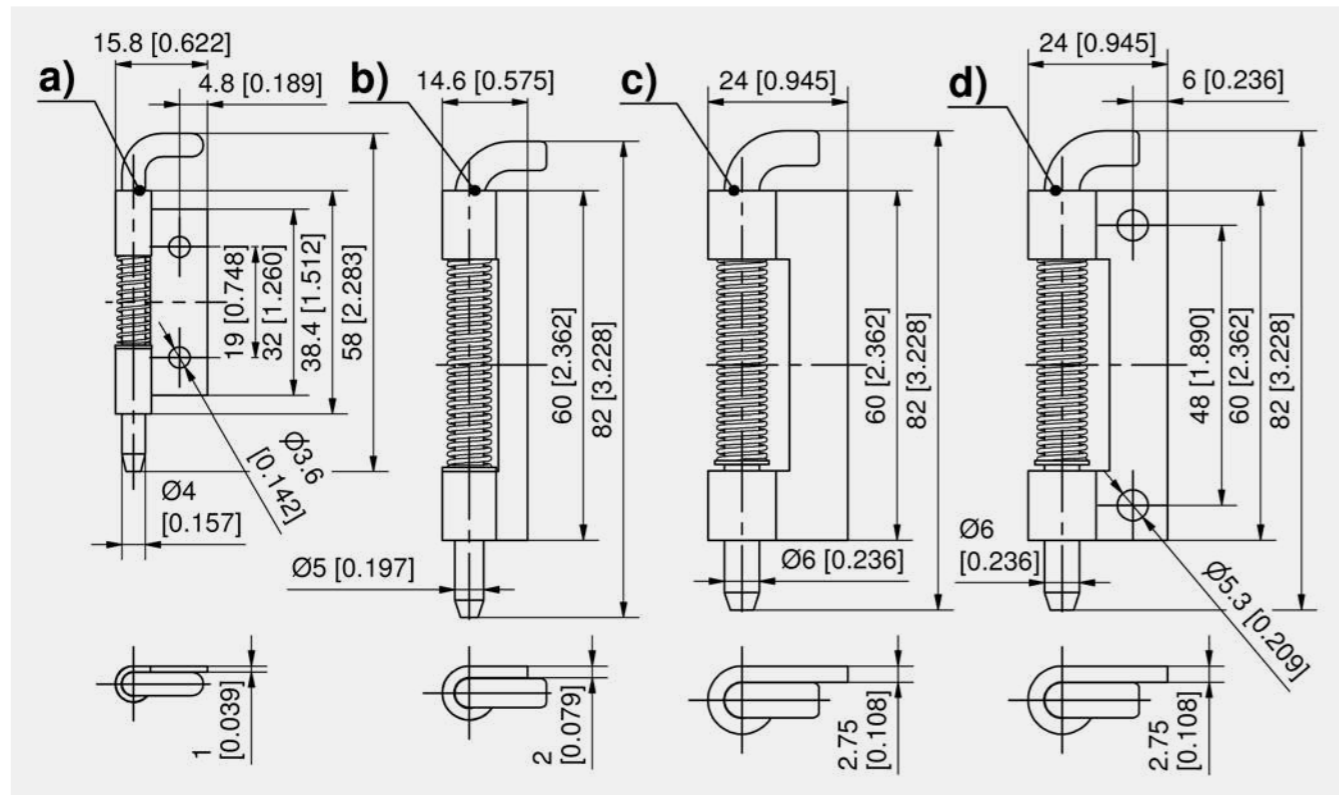


**Advantages**

- Hinge with spring-loaded pin.
- For nested doors.
- Hinge concealed.
- RH and LH version.
- 120° Opening angle.

**Materials**

- **Roll:** AISI 304
- **Pin:** AISI 303
- **Spring:** AISI 301



Pin hinge

	Part Number	Door-part	Version	Pin length L	Pin diameter Ø	Pin version	Installation type	Delivery Unit
a)	245-9001.00-00000	zinc plated	RH	58 mm	4 mm	spring-loaded	screw-on	10 pcs.
b)	245-9103.00-00000	untreated	RH	82 mm	5 mm	spring-loaded	weld-on	10 pcs.
c)	245-9113.00-00000	untreated	RH	82 mm	6 mm	spring-loaded	weld-on	10 pcs.
d)	245-9101.00-00000	untreated	RH	82 mm	6 mm	spring-loaded	screw- / weld-on	10 pcs.
d1)	245-9107.00-00000	zinc plated	RH	82 mm	6 mm	spring-loaded	screw-on	10 pcs.
a)	245-9002.00-00000	zinc plated	LH	58 mm	4 mm	spring-loaded	screw-on	10 pcs.
b)	245-9104.00-00000	untreated	LH	82 mm	5 mm	spring-loaded	weld-on	10 pcs.
d)	245-9102.00-00000	untreated	LH	82 mm	6 mm	spring-loaded	screw- / weld-on	10 pcs.
d1)	245-9108.00-00000	zinc plated	LH	82 mm	6 mm	spring-loaded	screw-on	10 pcs.
b)	245-9105.00-00000	untreated	not assembled	82 mm	5 mm	spring-loaded	weld-on	10 pcs.
d)	245-9106.00-00000	untreated	not assembled	82 mm	6 mm	spring-loaded	screw- / weld-on	10 pcs.
d1)	245-9109.00-00000	zinc plated	not assembled	82 mm	6 mm	spring-loaded	screw-on	10 pcs.

Pin hinge

	Part Number	Version	Pin length L	Pin diameter Ø	Pin version	Installation type	Delivery Unit
a)	245-9003.00-00000	RH version	58 mm	4 mm	spring-loaded	screw- / weld-on	10 pcs.
a)	245-9004.00-00000	LH version	58 mm	4 mm	spring-loaded	screw- / weld-on	10 pcs.
b)	245-9110.00-00000	RH version	82 mm	6 mm	spring-loaded	screw- / weld-on	10 pcs.
b)	245-9111.00-00000	LH version	82 mm	6 mm	spring-loaded	screw- / weld-on	10 pcs.
b1)	245-9112.00-00000	not assembled	82 mm	6 mm	spring-loaded	screw- / weld-on	10 pcs.





**Advantages**

- For nested doors.
- Hinge concealed.
- Small space requirement.
- 120° Opening angle.
- The spring loaded pin allows for an easy and quick installation and removal of the door.
- The installation is tool-less with a simple push into the appropriate cutout.

**Materials**

- **Housing:** PA, black
- **Pin:** steel, zinc plated
- a) and c)
- **Spring:** stainless steel
- b)
- **Spring:** steel, zinc plated

**Remarks**

Door-cutout and frame-cutout differ.



**Advantages**

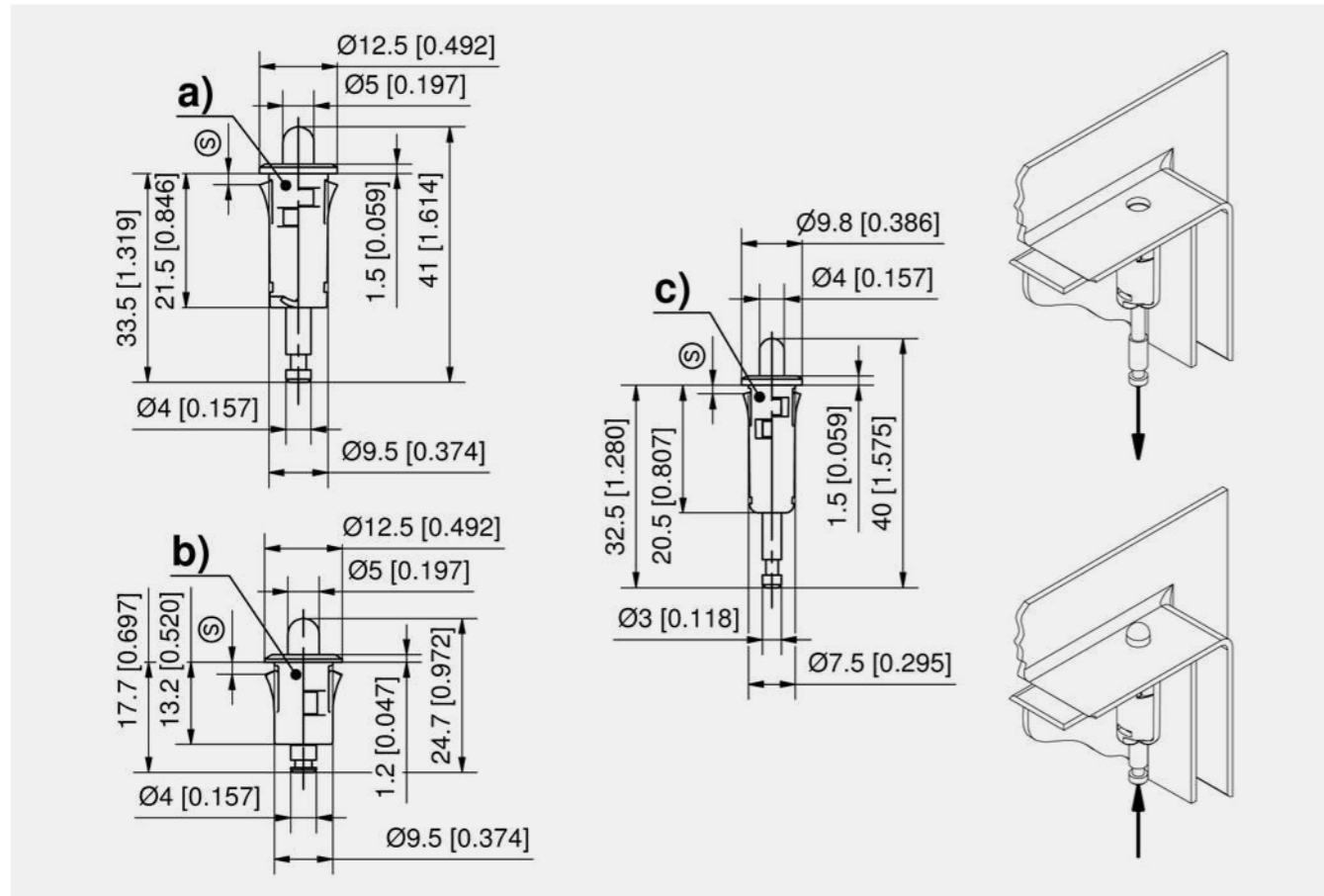
- Pin hinge with spring-loaded handle.
- For nested doors.
- Hinge concealed.
- RH / LH application.
- 120° Opening angle.
- Flexible use for material thicknesses up to 4mm.
- The spring loaded pin allows for an easy and quick installation and removal of the door.
- The installation is tool-less with a simple push into the appropriate cutout.
- Usable also as locking pin.

**Materials**

- **Pin:** steel, zinc plated
- **Handle:** PA, green
- **Spacer:** PA, black

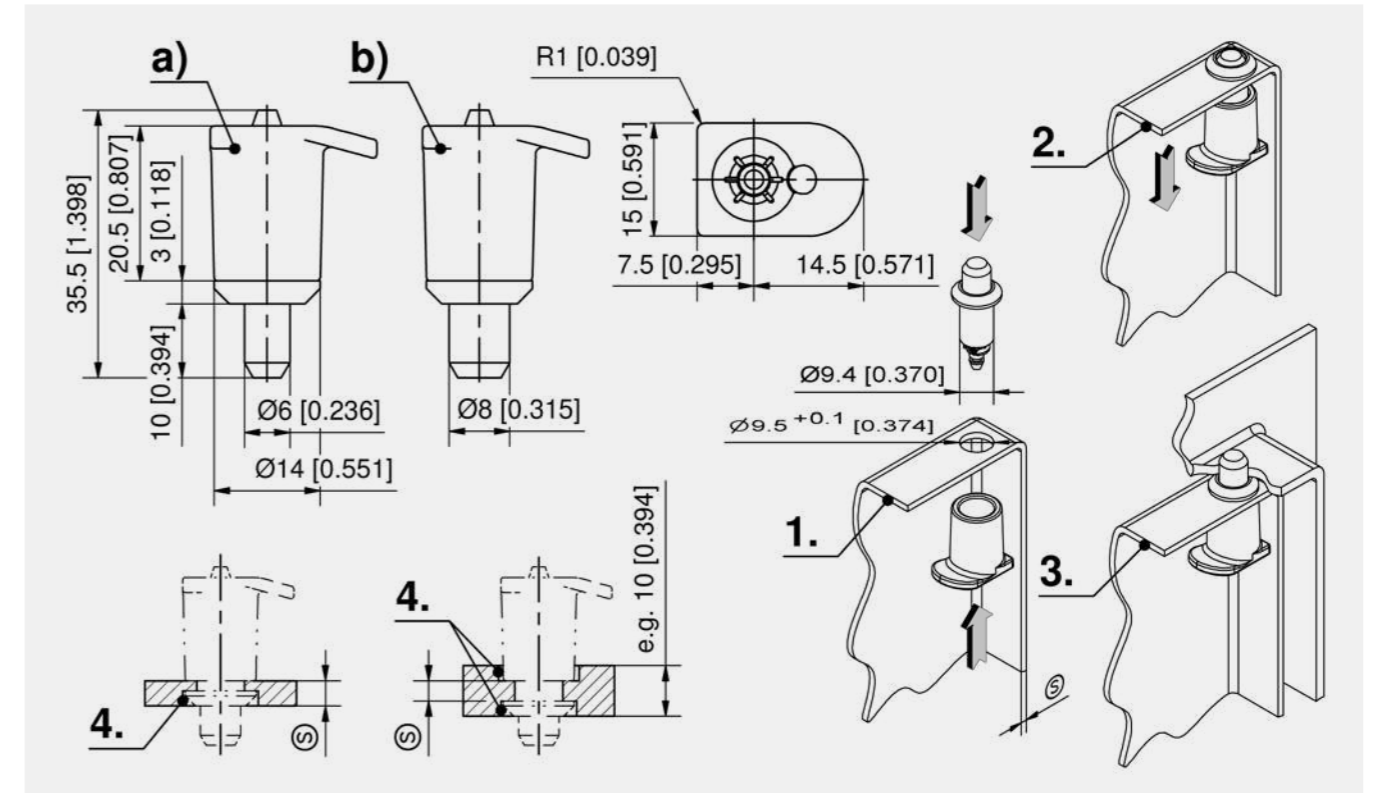
**Remarks**

1. assembled without tools by pressing the locking pin into the handle.
  2. disassembling the door.
  3. door installed.
  4. by reducing the material in the cutout, the distance between the two components can be adjusted.
- On request also available with another handle (see 6-211).



Pin hinge

	Part Number	Clamping range (S)	Pin length L	Pin diameter Ø	Pin version	Installation type	Delivery Unit
a)	245-9303.00-00000	1.4 - 1.6 mm	41 mm	5 mm	spring-loaded	tool-less	10 pcs.
b)	245-9304.07-07101	1.4 - 1.6 mm	24.7 mm	5 mm	spring-loaded	tool-less	10 pcs.
c)	245-9301.00-00000	1.0 - 1.2 mm	40 mm	4 mm	spring-loaded	tool-less	10 pcs.



Pin hinge

	Part Number	Clamping range (S)	Pin diameter Ø	Cutout pin	Pin version	Installation type	Delivery Unit
a)	245-9312.00-00000	0 - 4 mm	6 mm	Ø 6,1 + 0,1 mm	spring-loaded	tool-less	50 pcs.
b)	245-9313.00-00000	0 - 4 mm	8 mm	Ø 8,1 + 0,1 mm	spring-loaded	tool-less	50 pcs.





**Advantages**

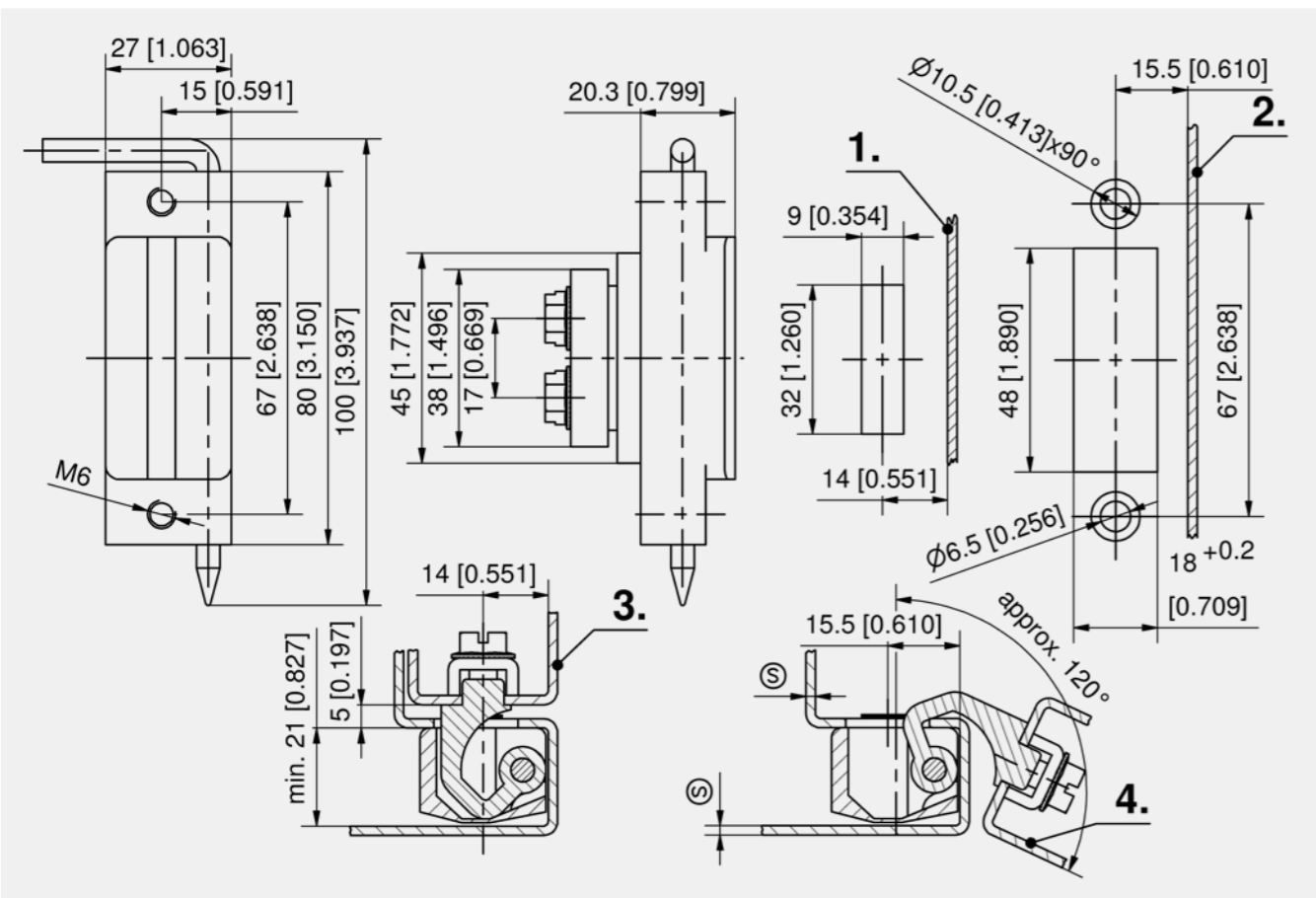
- For nested doors.
- Hinge concealed.
- RH / LH application.
- 120° Opening angle.

**Materials**

- **Frame-part and door-part:** zinc die, zinc plated
- **Fastening clip and pin:** steel, zinc plated

**Remarks**

- Fitting hardware included.
- (S) Door-thickness max. 2mm when using the supplied screws.
1. cutout door
  2. cutout frame
  3. closed
  4. opened



Concealed hinge

Part Number	Pin length L	Pin version	Installation type	Delivery Unit
222-9301.00-00000	100 mm	loose	screw-on	10 pcs.

Hinge Pr01 with Fastening Bracket 180°

See page 520





**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending from 16-18 mm.
- RH / LH application.
- 125° Opening angle.
- Pin secured by bushing.

**Materials**

- **Frame-part and hinge pin:** steel, zinc plated
- **Weld-on roll:** steel, untreated
- **Fitting block:** PA, black
- **Securing bushing:** PE-LD black
- **Self-tapping screw:** stainless steel

**Remarks**

- Fastening material included.
1. hinge pin
  2. weld-on roll
  3. frame-part
  4. securing bushing
  5. fitting block PA
  6. self-tapping screw



**Advantages**

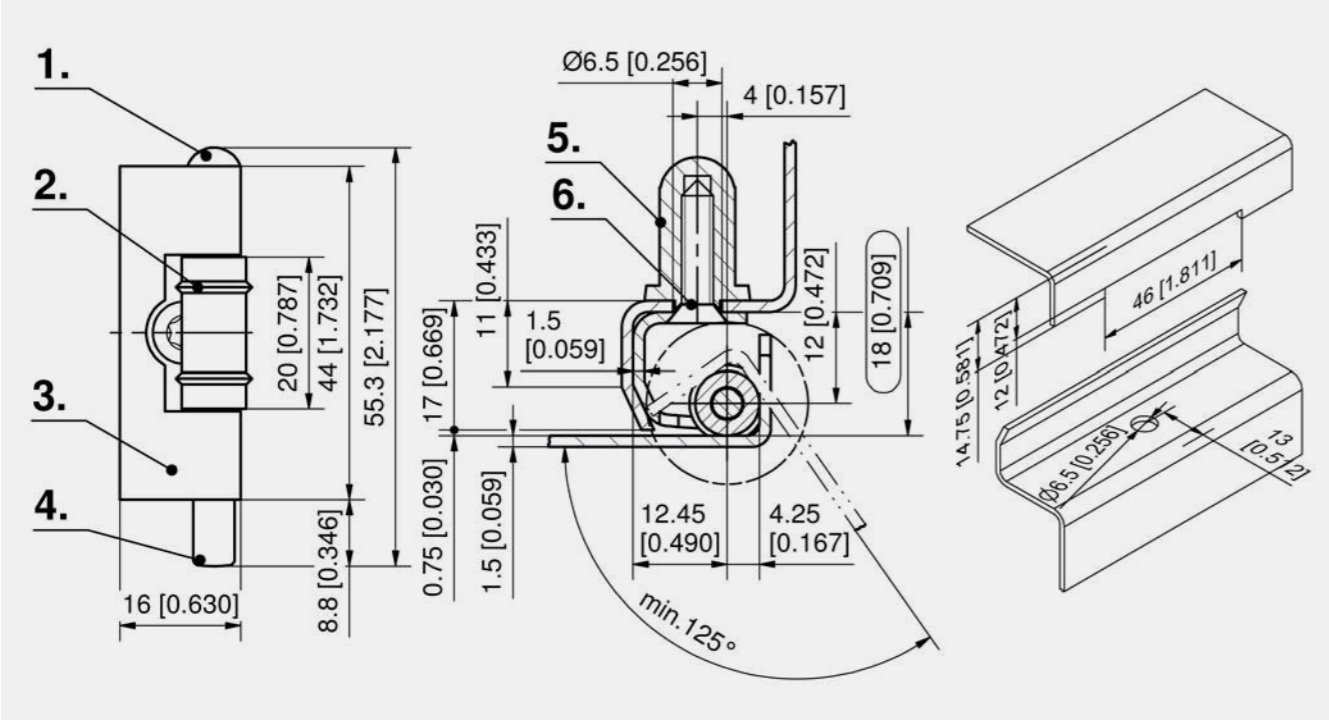
- For surface mounted doors.
- Hinge concealed.
- Door bending from 16-18 mm.
- RH / LH application.
- 125° Opening angle.
- Pin secured by bushing.

**Materials**

- **Frame-part and pin:** AISI 304
- **Weld-on roll for spot welding:** AISI 303
- **Fitting block:** PA6, black
- **Securing bushing:** PE-LD black
- **Self-tapping screw:** stainless steel

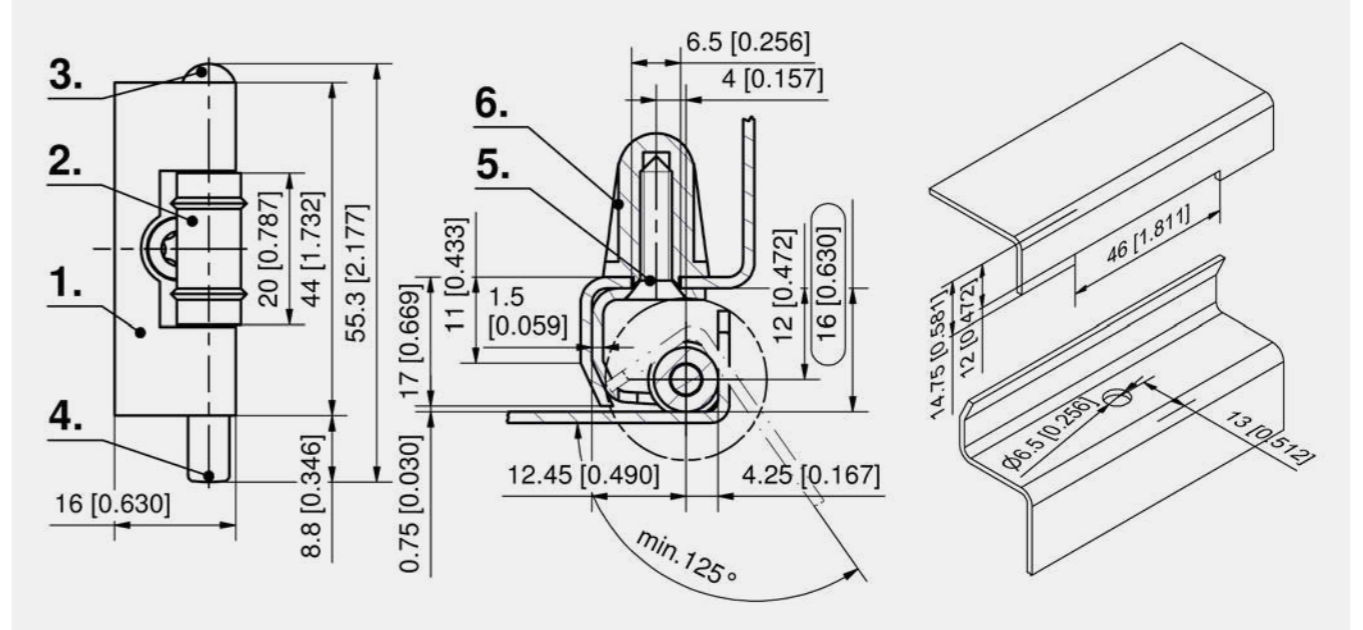
**Remarks**

- Fastening material included.
1. frame-part
  2. weld-on roll
  3. pin
  4. securing bushing
  5. self-tapping screw
  6. fitting block PA



Concealed hinge

Part Number	Version	Pin version	Installation type	Delivery Unit
216-9015.00-00000	Screw Philips DIN 7982 ISO 7050 4.2x19mm	pressed in	screw- / weld-on	10 pcs.
216-9035.00-00000	Screw T-20 ISO 14586 Form C 4.2x19mm	pressed in	screw- / weld-on	10 pcs.



Concealed hinge

Part Number	Version	Pin version	Installation type	Delivery Unit
216-9113.00-00000	Screw Philips DIN 7982 ISO 7050 4.2x19mm	pressed in	screw- / weld-on	10 pcs.
216-9128.00-00000	Screw T-20 ISO 14586 Form C 4.2x19mm	pressed in	screw- / weld-on	10 pcs.





**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 16mm.
- RH / LH application.
- 115° Opening angle.
- Hinge pin secured by bushing.
- Frame-part with force fitted stud M5 x 12.
- Door-part weld on.

**Materials**

- **Frame-part:** steel, zinc plated
- **Door-part:** steel, untreated
- **Pin:** stainless steel
- **Securing bushing:** PE-LD black

**Remarks**

1. frame-part
2. door-part
3. hinge pin
4. securing bushing
5. threaded stud M5 x 12
6. welding projections



**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 16mm.
- RH / LH application.
- 115° Opening angle.
- Frame-part with force fitted stud M5 x 12.
- Door-part weld on.

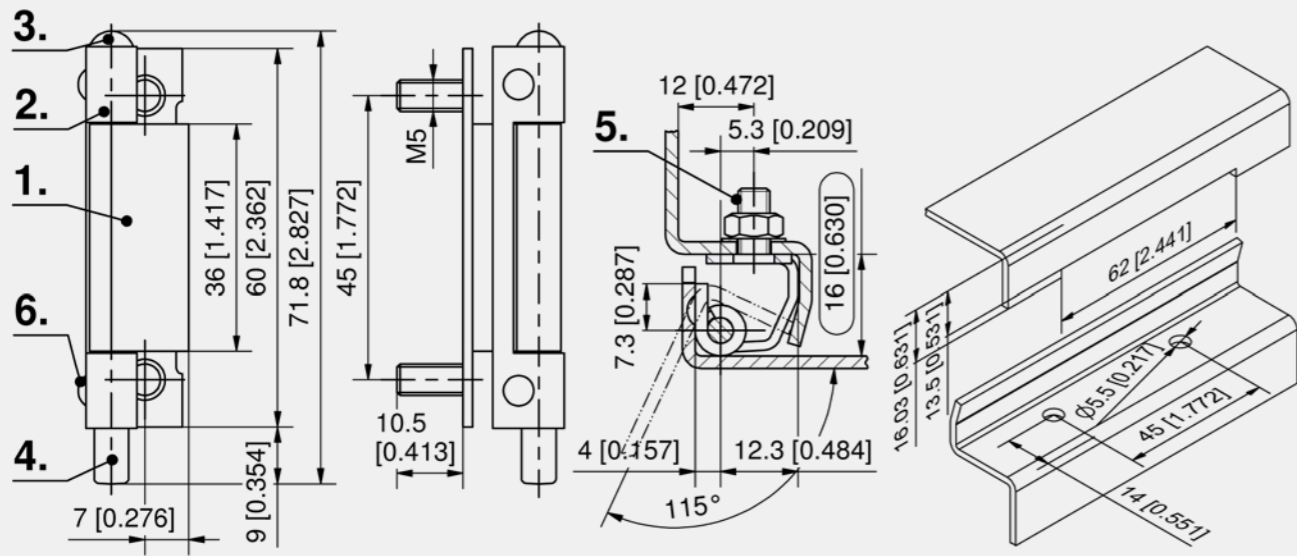
**Materials**

- **Frame-part and door-part:** AISI 304
- **Knurled pin:** AISI 303
- **Stud:** AISI 410

**Remarks**

1. frame-part
2. door-part with welding projections ISO 8167-P5
3. pin
4. threaded stud M5 x 12
5. welding spots

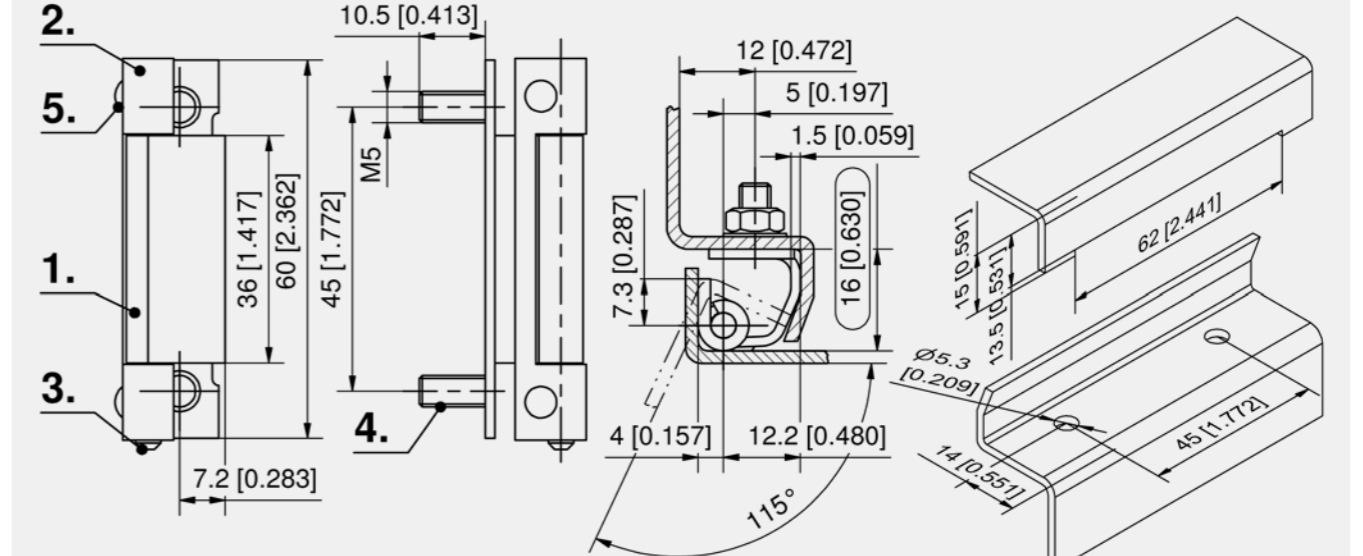
Hinges



Concealed hinge

Part Number	Pin version	Installation type	Delivery Unit
216-9032.00-00000	pressed in	screw- / weld-on	10 pcs.

Hinges



Concealed hinge

Part Number	Pin version	Installation type	Delivery Unit
216-9033.00-00000	pressed in	screw- / weld-on	10 pcs.





**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 18 mm.
- RH / LH application.
- 120° Opening angle.
- Frame-part weld-on or screw-on.

**Materials**

- **Frame-part:** steel, zinc plated or steel, untreated
- **Door-part:** steel, untreated
- **Pins and retaining ring:** steel, zinc plated
- **O-ring:** NBR

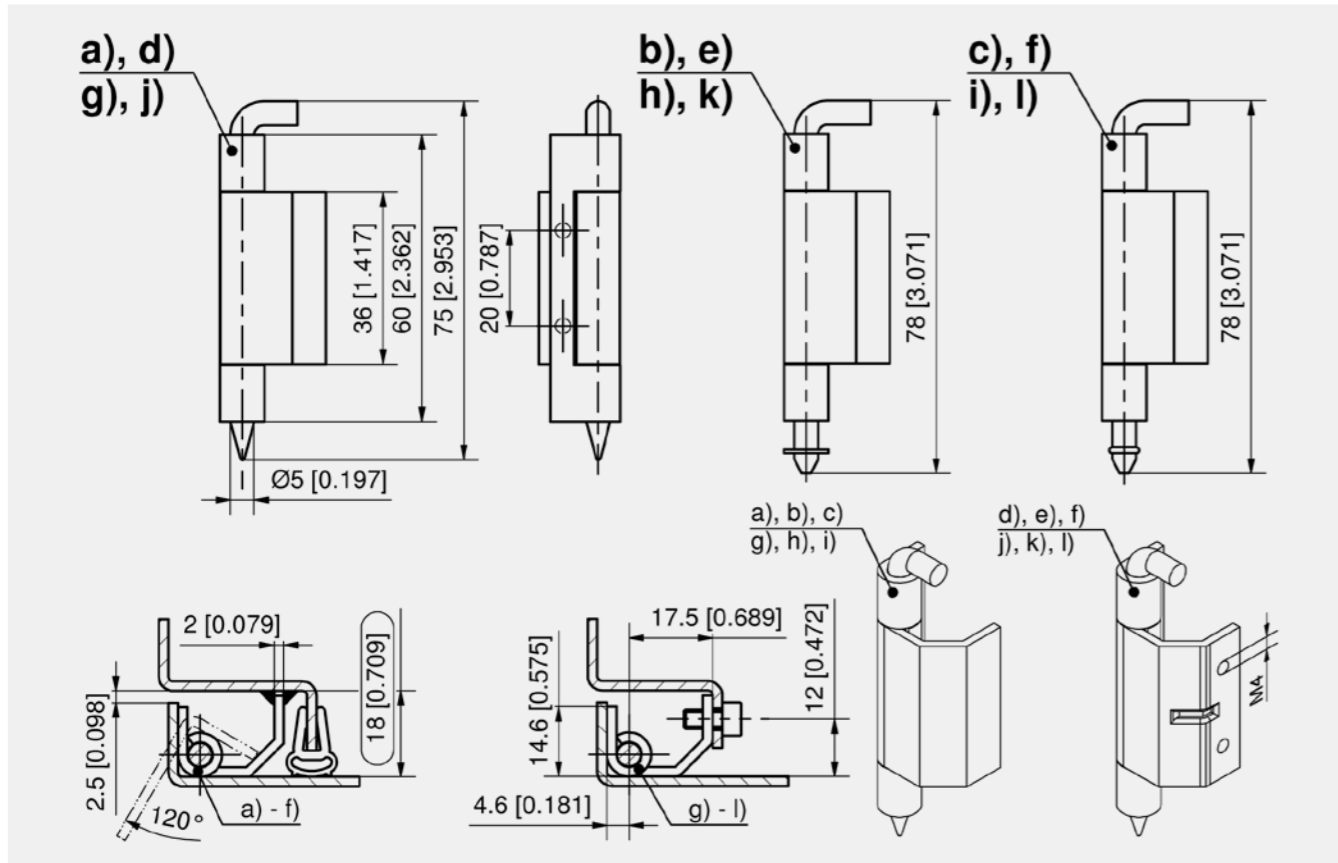


**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 18 mm.
- RH / LH application.
- 120° Opening angle.
- Frame-part weld-on or screw-on.

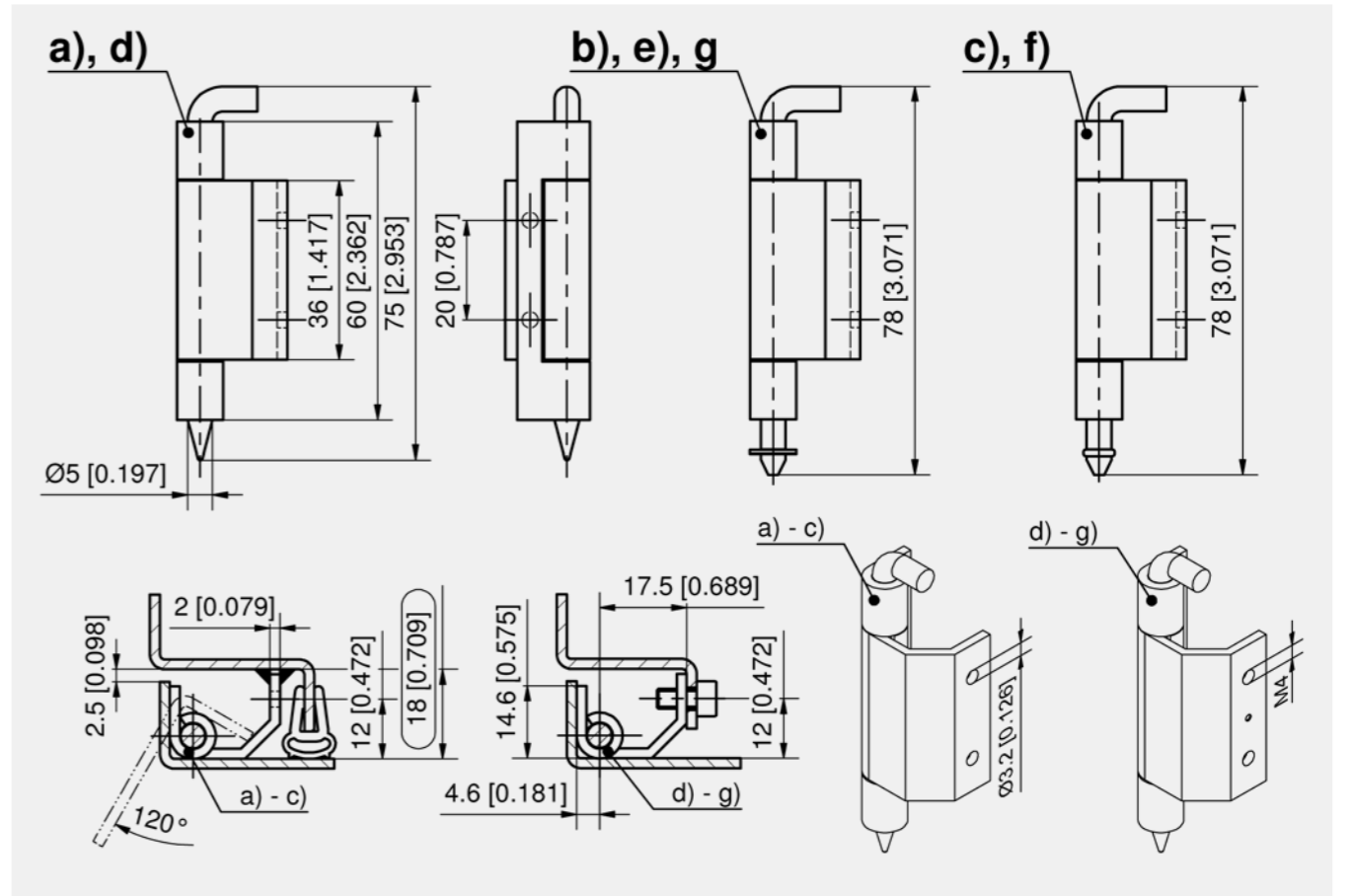
**Materials**

- **Hinge-parts:** AISI 316 or AISI 304
- **Pins:** AISI 316 or AISI 303



Concealed hinge

	Part Number	Version	Surface frame-part	Pin version	Installation type frame-part	Delivery Unit
a)	216-9001.00-00000		untreated	without groove	weld-on	10 pcs.
b)	216-9009.00-00000		untreated	with groove incl. locking washer DIN6799	weld-on	10 pcs.
c)	216-9009.00-00001		untreated	with groove incl. o-ring	weld-on	10 pcs.
d)	216-9020.00-00000	reinforced	untreated	without groove	weld-on	10 pcs.
e)	216-9018.00-00000	reinforced	zinc plated	with groove incl. locking washer DIN6799	weld-on	10 pcs.
f)	216-9018.00-00001	reinforced	zinc plated	with groove incl. o-ring	weld-on	10 pcs.
g)	216-9002.00-00000		zinc plated	without groove	screw-on	10 pcs.
h)	216-9010.00-00000		untreated	with groove incl. locking washer DIN6799	screw-on	10 pcs.
i)	216-9010.00-00001		untreated	with groove incl. o-ring	screw-on	10 pcs.
j)	216-9021.00-00000	reinforced	zinc plated	without groove	screw-on	10 pcs.
k)	216-9019.00-00000	reinforced	zinc plated	with groove incl. locking washer DIN6799	screw-on	10 pcs.
l)	216-9019.00-00001	reinforced	zinc plated	with groove incl. o-ring	screw-on	10 pcs.



Concealed hinge

	Part Number	Material hinge-parts	Pin version	Material pin	Installation type	Delivery Unit
a)	216-9101.00-00000	AISI 304	without groove	AISI 303	weld-on	10 pcs.
b)	216-9109.00-00000	AISI 304	with groove incl. locking washer DIN6799	AISI 303	weld-on	10 pcs.
c)	216-9109.00-00001	AISI 304	with groove incl. o-ring	AISI 303	weld-on	10 pcs.
d)	216-9102.00-00000	AISI 304	without groove	AISI 303	screw- / weld-on	10 pcs.
e)	216-9110.00-00000	AISI 304	with groove incl. locking washer DIN6799	AISI 303	screw- / weld-on	10 pcs.
f)	216-9110.00-00001	AISI 304	with groove incl. o-ring	AISI 303	screw- / weld-on	10 pcs.
f)	216-9121.00-00001	AISI 316	with groove incl. o-ring	AISI 316	screw- / weld-on	10 pcs.
g)	216-9121.00-00002	AISI 316	with groove incl. locking washer DIN6799	AISI 316	screw- / weld-on	10 pcs.





**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 20mm.
- RH / LH application.
- 120° Opening angle.

**Materials**

- **Frame-part and pin:** steel, zinc plated
- **Door-part:** steel, untreated
- **O-ring:** NBR

**Remarks**

Fastening with countersunk screws M5.



**Advantages**

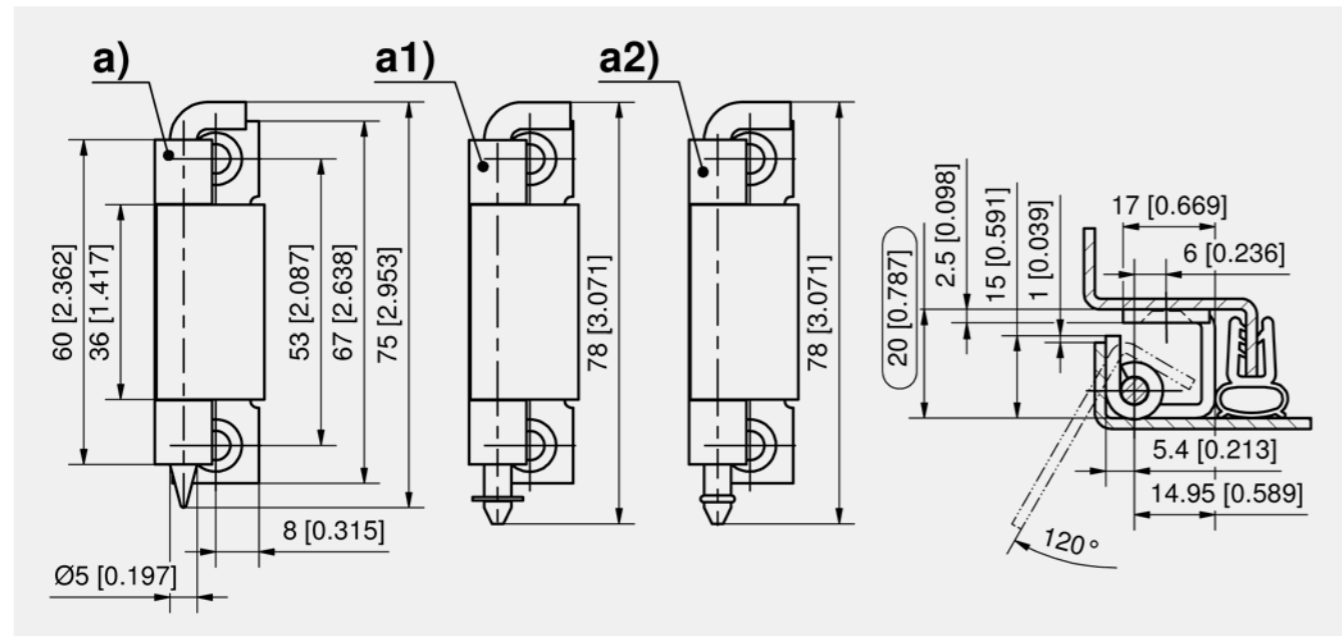
- For surface mounted doors.
- Hinge concealed.
- Door bending 20mm.
- RH / LH application.
- 120° Opening angle.

**Materials**

- **Hinge-parts and pins:** AISI 304
- **O-ring:** NBR

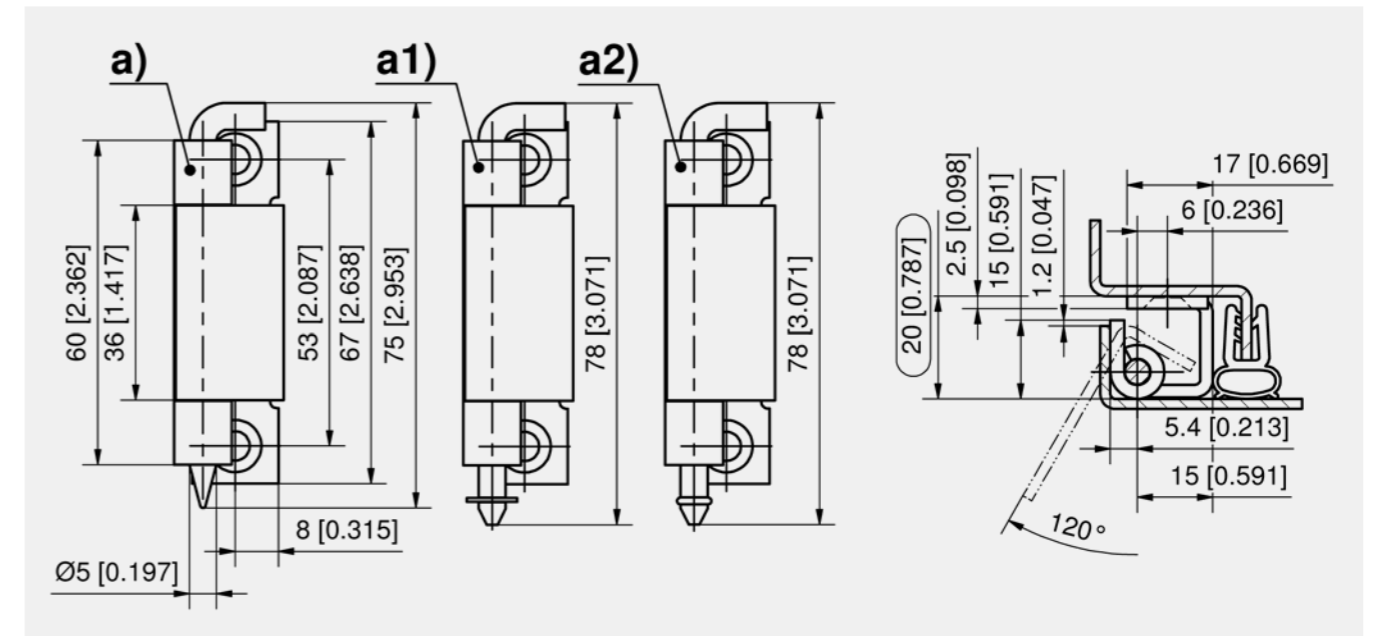
**Remarks**

Fastening with countersunk screws M5 DIN 965 or DIN 7991



Concealed hinge

	Part Number	Pin version	Installation type	Delivery Unit
a)	216-9005.00-00000	without groove	screw- / weld-on	10 pcs.
a1)	216-9022.00-00000	with groove incl. locking washer DIN6799	screw- / weld-on	10 pcs.
a2)	216-9022.00-00001	with groove incl. o-ring	screw- / weld-on	10 pcs.



Concealed hinge

	Part Number	Pin version	Installation type	Delivery Unit
a)	216-9115.00-00000	without groove	screw-on	10 pcs.
a1)	216-9116.00-00000	with groove incl. locking washer DIN6799	screw-on	10 pcs.
a2)	216-9116.00-00001	with groove incl. o-ring	screw-on	10 pcs.





**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 23mm.
- RH / LH application.
- 120° Opening angle.
- Door-part weld-on.

**Materials**

- **Frame-part, pin and fastening washer:** steel, zinc plated
- **Door-part:** steel, untreated

**Remarks**

1. installation instruction for fastening washer



**Advantages**

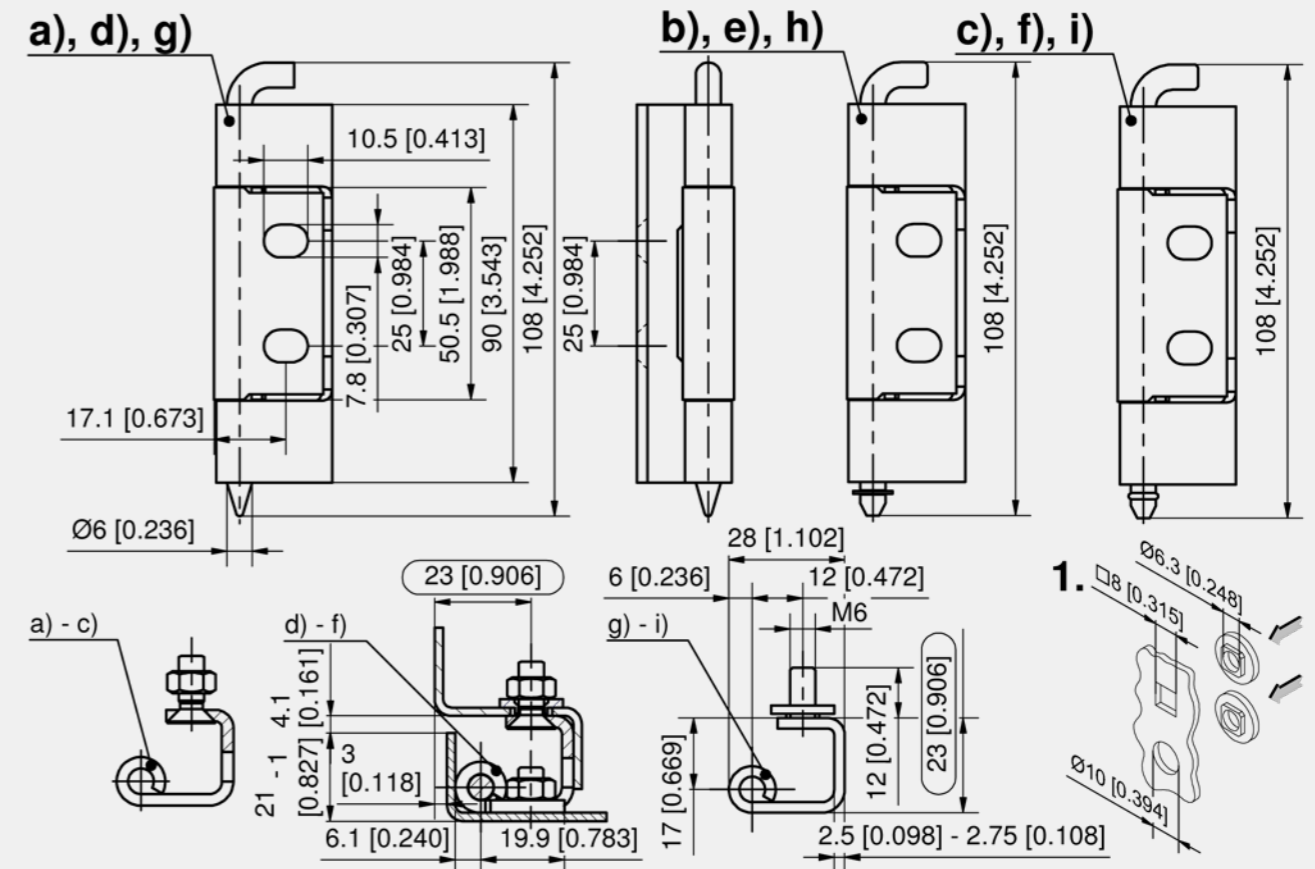
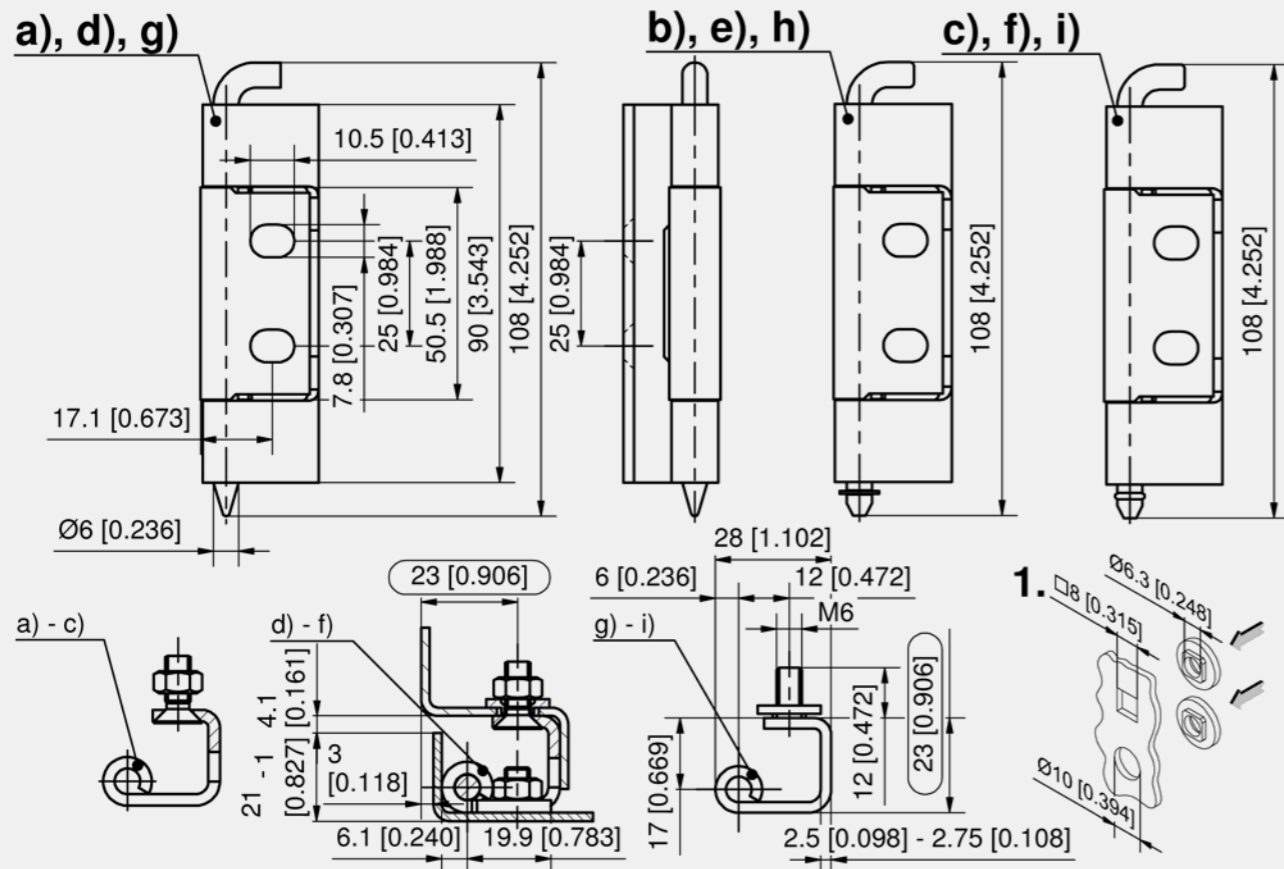
- For surface mounted doors.
- Hinge concealed.
- Door bending 23mm.
- RH / LH application.
- 120° Opening angle.
- Door-part screw-on.

**Materials**

- **Frame- and door-part, pin and fastening washer:** steel, zinc plated

**Remarks**

1. installation instruction for fastening washer



Concealed hinge

	Part Number	Frame-part	cutout in frame	Pin version	Delivery Unit
a)	243-9103.00-00000	with countersunk holes for M6	Ø6.3 or M6	without groove	10 pcs.
b)	243-9104.00-00000	with countersunk holes for M6	Ø6.3 or M6	with groove incl. locking washer DIN6799	10 pcs.
c)	243-9104.00-00001	with countersunk holes for M6	Ø6.3 or M6	with groove incl. o-ring	10 pcs.
d)	243-9101.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	without groove	10 pcs.
e)	243-9102.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. locking washer DIN6799	10 pcs.
f)	243-9102.00-00001	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. o-ring	10 pcs.
g)	243-9109.00-00000	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	without groove	10 pcs.
h)	243-9110.00-00000	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	with groove incl. locking washer DIN6799	10 pcs.
i)	243-9110.00-00001	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	with groove incl. o-ring	10 pcs.

Concealed hinge

	Part Number	Frame-part	cutout in frame	Pin version	Delivery Unit
a)	243-9107.00-00000	with countersunk holes for M6	Ø6.3 or M6	without groove	10 pcs.
b)	243-9108.00-00000	with countersunk holes for M6	Ø6.3 or M6	with groove incl. locking washer DIN6799	10 pcs.
c)	243-9108.00-00001	with countersunk holes for M6	Ø6.3 or M6	with groove incl. o-ring	10 pcs.
d)	243-9105.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	without groove	10 pcs.
e)	243-9106.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. locking washer DIN6799	10 pcs.
f)	243-9106.00-00001	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. o-ring	10 pcs.
g)	243-9111.00-00000	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	without groove	10 pcs.
h)	243-9112.00-00000	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	with groove incl. locking washer DIN6799	10 pcs.
i)	243-9112.00-00001	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	with groove incl. o-ring	10 pcs.







**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 23 mm.
- RH / LH application.
- 120° Opening angle.
- By rotating the 1/4 turn, the pivot pin is released and the door can be removed by pulling it to the front (see 2. and 3.).

**Materials**

- a), a1) and a2)
- **Door-part and 1/4 turn:** zinc die, zinc plated
- **Frame-part and pin:** steel, zinc plated
- b), b1) and b2)
- **All parts:** steel, zinc plated

**Remarks**

- To a2) and b2): fastening washer is not used when Ø6.3.
- 1. installation instruction for fastening washer



**Advantages**

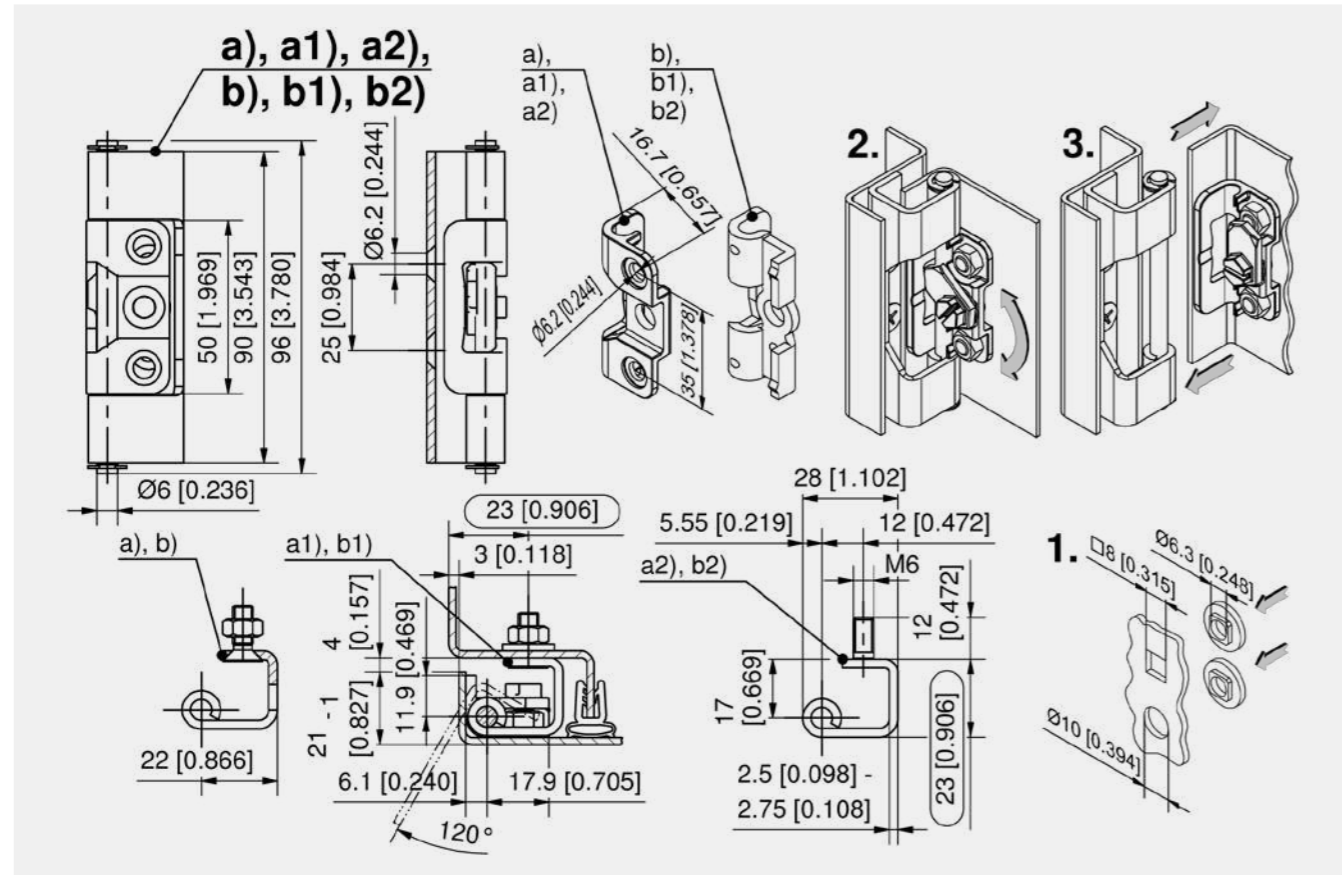
- For surface mounted doors.
- Hinge concealed.
- Door bending 23mm.
- RH / LH application.
- 120° Opening angle.
- Door-part: weld-on or screw-on.

**Materials**

- **Frame- and door-part, pin without groove and fastening washer:** AISI 304
- **Pin with groove:** AISI 303
- **Stud:** AISI 420
- **O-ring:** NBR

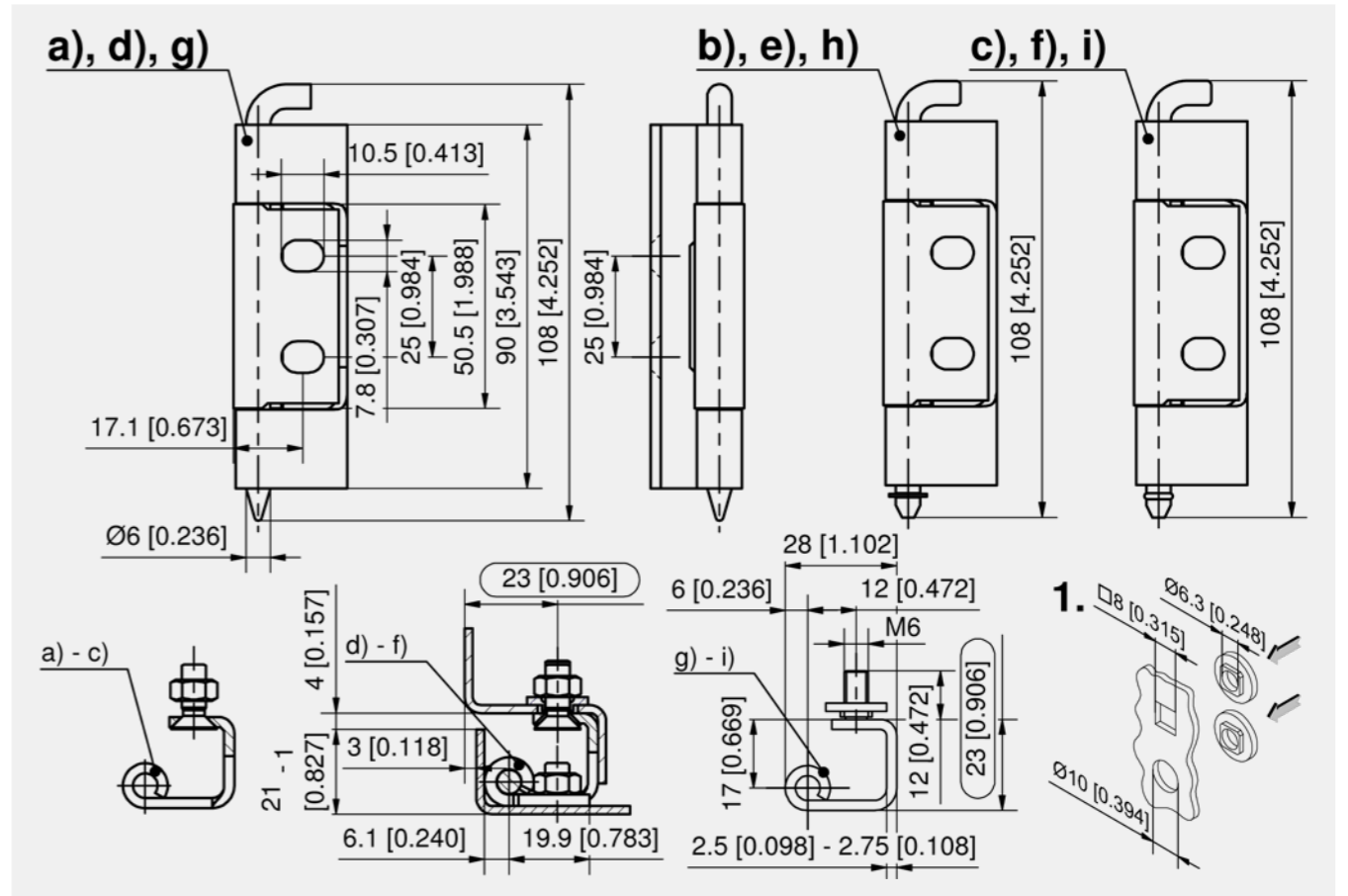
**Remarks**

- 1. installation instruction for fastening washer



Concealed hinge

	Part Number	Frame-part	cutout in frame	Pin version	Installation type door-part	Delivery Unit
a)	243-9009.00-00000	with countersunk holes for M6	Ø6.3 or M6	with groove incl. locking washer DIN6799	screw-on	10 pcs.
a1)	243-9010.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. locking washer DIN6799	screw-on	10 pcs.
a2)	243-9011.00-00000	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	with groove incl. locking washer DIN6799	screw-on	10 pcs.
b)	243-9003.00-00000	with countersunk holes for M6	Ø6.3 or M6	with groove incl. locking washer DIN6799	weld-on	10 pcs.
b1)	243-9002.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. locking washer DIN6799	weld-on	10 pcs.
b2)	243-9007.00-00000	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	with groove incl. locking washer DIN6799	weld-on	10 pcs.



Concealed hinge

	Part Number	Frame-part	cutout in frame	Pin version	Delivery Unit
a)	243-9203.00-00000	with countersunk holes for M6	Ø6.3 or M6	without groove	10 pcs.
b)	243-9204.00-00000	with countersunk holes for M6	Ø6.3 or M6	with groove incl. locking washer DIN6799	10 pcs.
c)	243-9204.00-00001	with countersunk holes for M6	Ø6.3 or M6	with groove incl. o-ring	10 pcs.
d)	243-9201.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	without groove	10 pcs.
e)	243-9202.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. locking washer DIN6799	10 pcs.
f)	243-9202.00-00001	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. o-ring	10 pcs.
g)	243-9208.00-00000	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	without groove	10 pcs.
h)	243-9209.00-00000	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	with groove incl. locking washer DIN6799	10 pcs.
i)	243-9209.00-00001	with studs for M6 + fastening washer	Ø6.3, □8, Ø10	with groove incl. o-ring	10 pcs.





**Advantages**

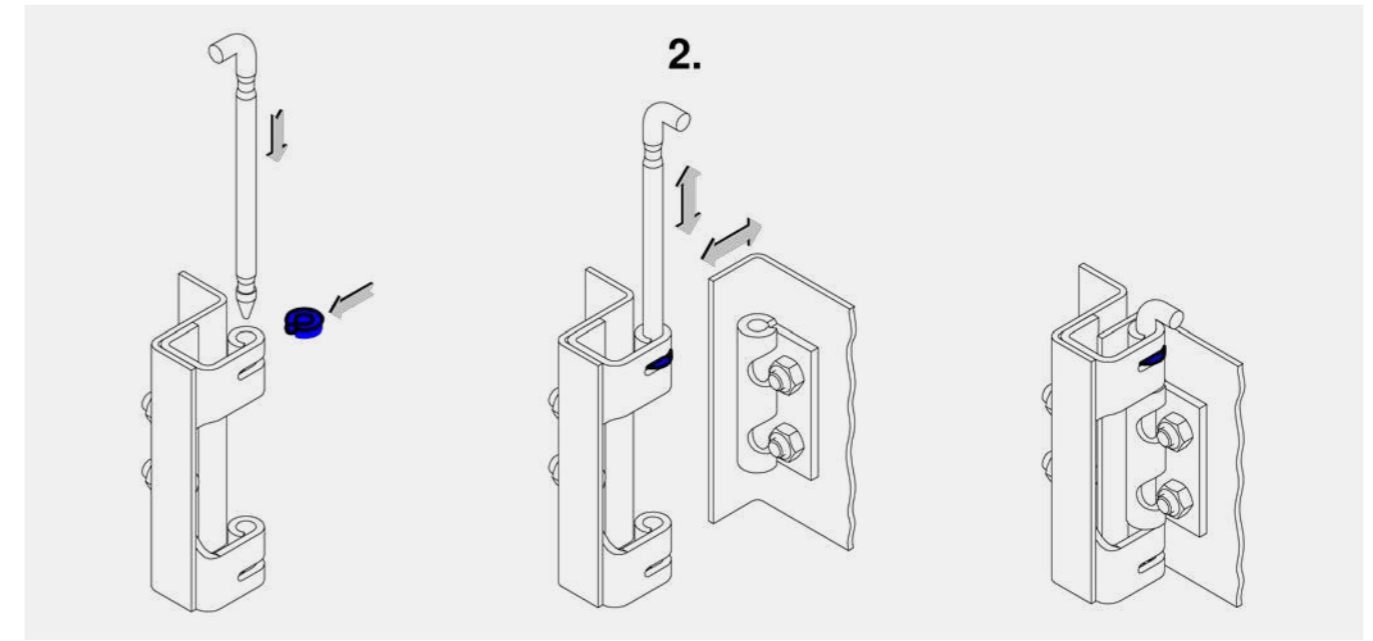
- For surface mounted doors.
- Hinge concealed.
- Door bending 23 mm.
- RH / LH application.
- 120° Opening angle.
- Door-part screw-on / weld-on.
- Captive pin due to securing clip.

**Materials**

- **Frame- and door-part, pin and fastening washer:** steel, zinc plated
- **Securing clip:** POM, blue

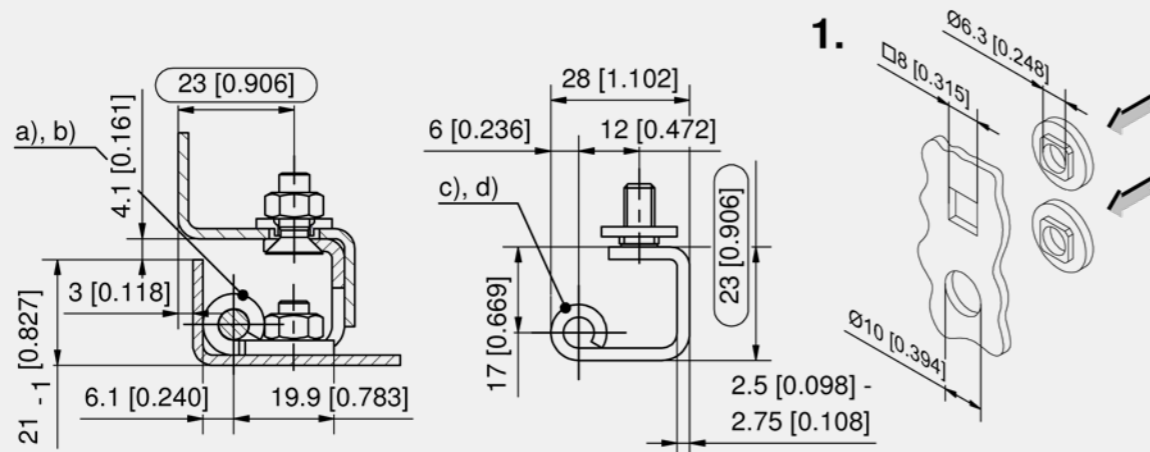
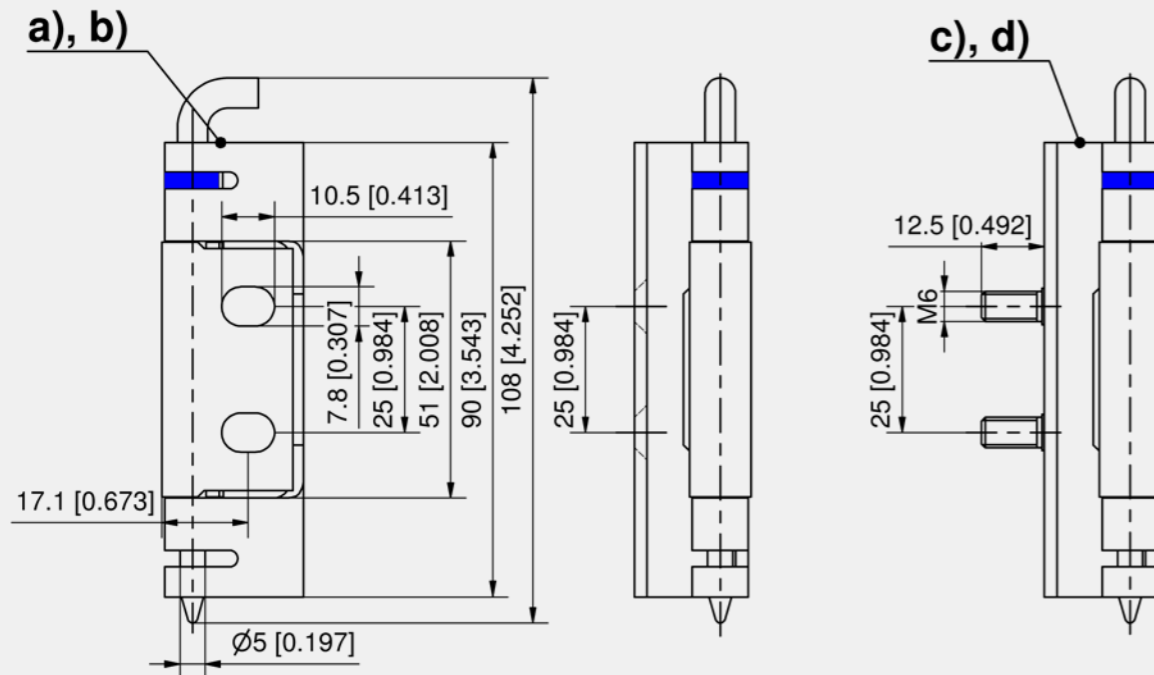
**Remarks**

1. installation instruction for fastening washer
2. installation of securing clip and mounting of the door-part in the frame-part



Concealed hinge

	Part Number	Frame-part	cutout in frame	Surface door-part	Pin version	Delivery Unit
a)	243-9113.00-00000	with countersunk holes for M6 + fastening washer	□ 8 or Ø10	zinc plated	self-locking	10 pcs.
b)	243-9115.00-00000	with countersunk holes for M6	Ø6.3	zinc plated	self-locking	10 pcs.
c)	243-9114.00-00000	with studs for M6 + fastening washer	□ 8 or Ø10	zinc plated	self-locking	10 pcs.
d)	243-9116.00-00000	with studs for M6	Ø6.3	zinc plated	self-locking	10 pcs.
a)	243-9117.00-00000	with countersunk holes for M6 + fastening washer	□ 8 or Ø10	untreated	self-locking	10 pcs.
b)	243-9119.00-00000	with countersunk holes for M6	Ø6.3	untreated	self-locking	10 pcs.
c)	243-9118.00-00000	with studs for M6 + fastening washer	□ 8 or Ø10	untreated	self-locking	10 pcs.
d)	243-9120.00-00000	with studs for M6	Ø6.3	untreated	self-locking	10 pcs.





**Advantages**

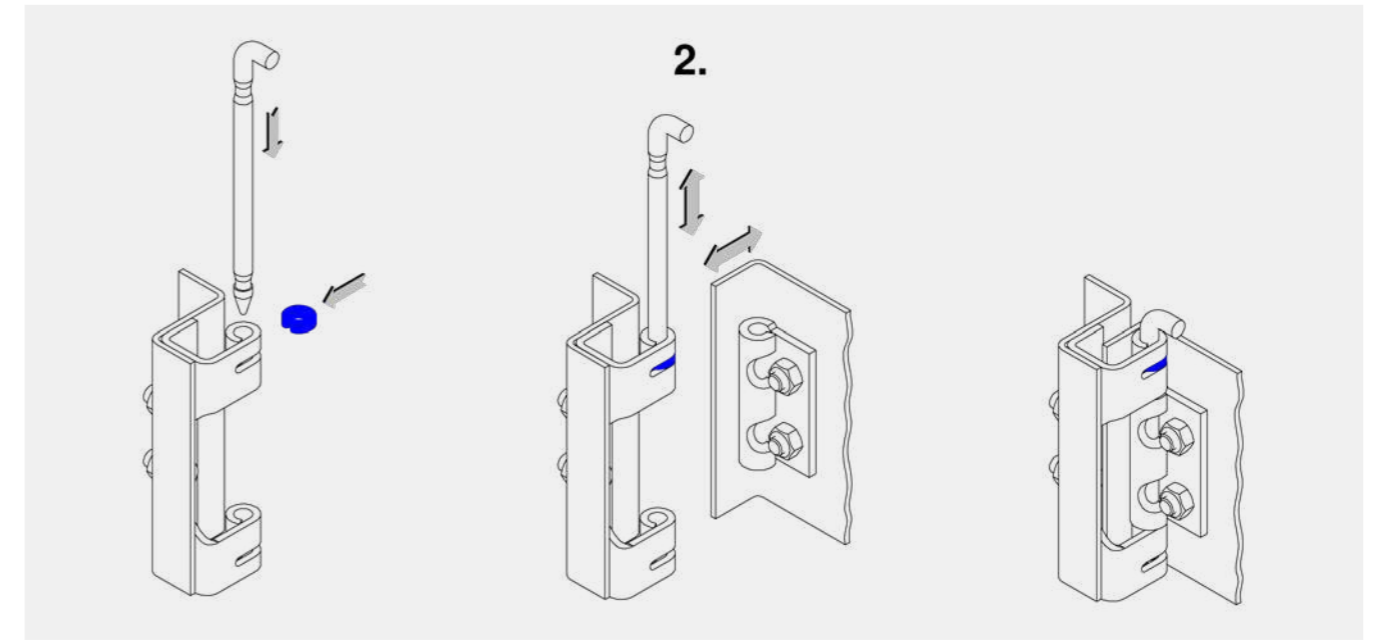
- For surface mounted doors.
- Hinge concealed.
- Door bending 23mm.
- RH / LH application.
- 120° Opening angle.
- Door-part screw-on and weld-on.
- Captive pin due to securing clip.

**Materials**

- **Frame- and door-part, pin and fastening washer:** AISI 304
- **Securing clip:** POM, blue

**Remarks**

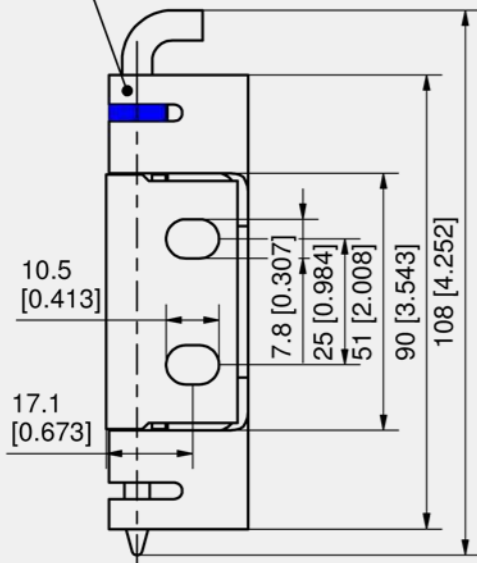
1. installation instruction for fastening washer
2. installation of securing clip and mounting of the door-part in the frame-part



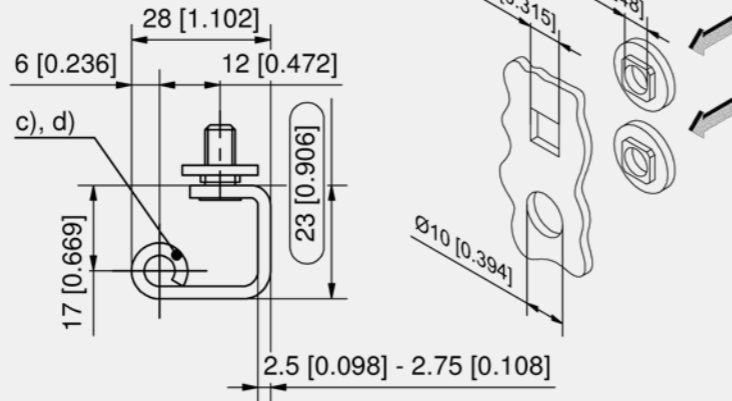
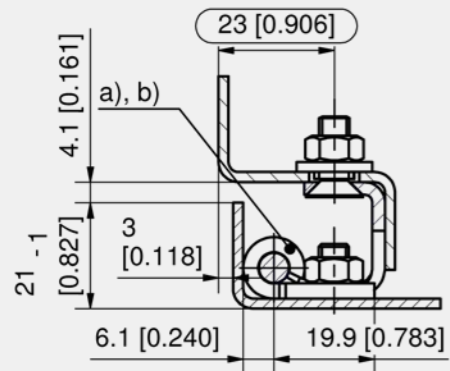
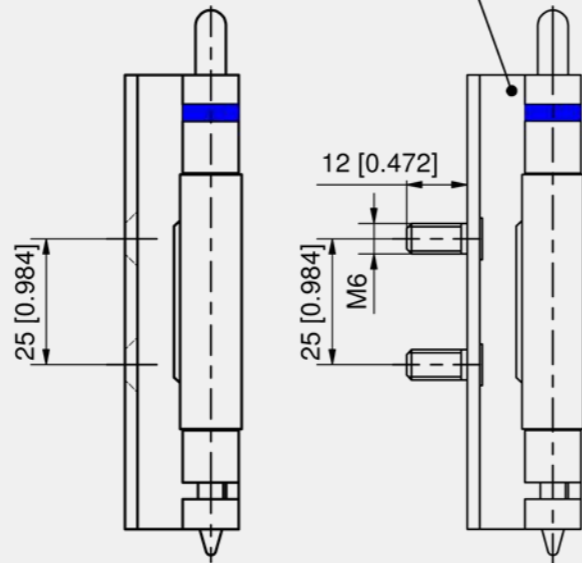
Concealed hinge

	Part Number	Frame-part	cutout in frame	Pin version	Delivery Unit
a)	243-9214.00-00000	with countersunk holes for M6	Ø6.3	self-locking	10 pcs.
b)	243-9216.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	self-locking	10 pcs.
c)	243-9215.00-00000	with studs for M6	Ø6.3	self-locking	10 pcs.
d)	243-9217.00-00000	with studs for M6 + fastening washer	□8 or Ø10	self-locking	10 pcs.

a), b)



c), d)





**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Bending 23mm.
- RH / LH application.
- 130° Opening angle.
- Tool-less installation of frame-part.
- The captive pin is pre-assembled.
- The pin engages to the wire springs at the frame-part and so it is captive.
- By pulling the pin the hinge can be removed.
- Door-part adjustable ±5mm.
- IP65 according to DIN EN 60529.

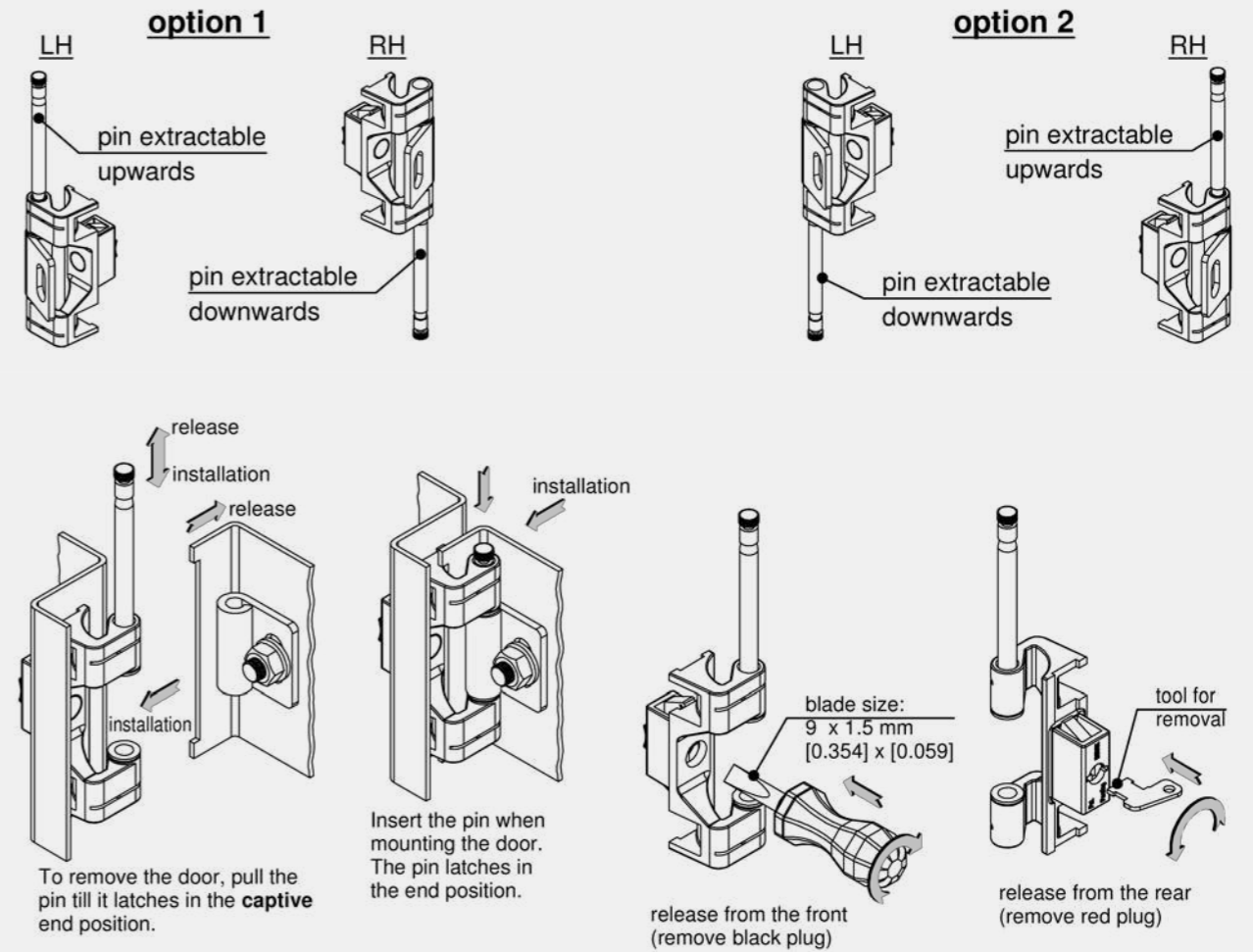
**Materials**

- **Frame-part:** zinc die, untreated
- **Door-part and pin:** steel, zinc plated
- **Snap wedges:** sintered metal, coated
- **O-ring:** NBR
- **Bearing bushings:** POM

**Remarks**

1. door notch
2. weld stud M8x15
3. bearing bushings

**Examples of installation situations**



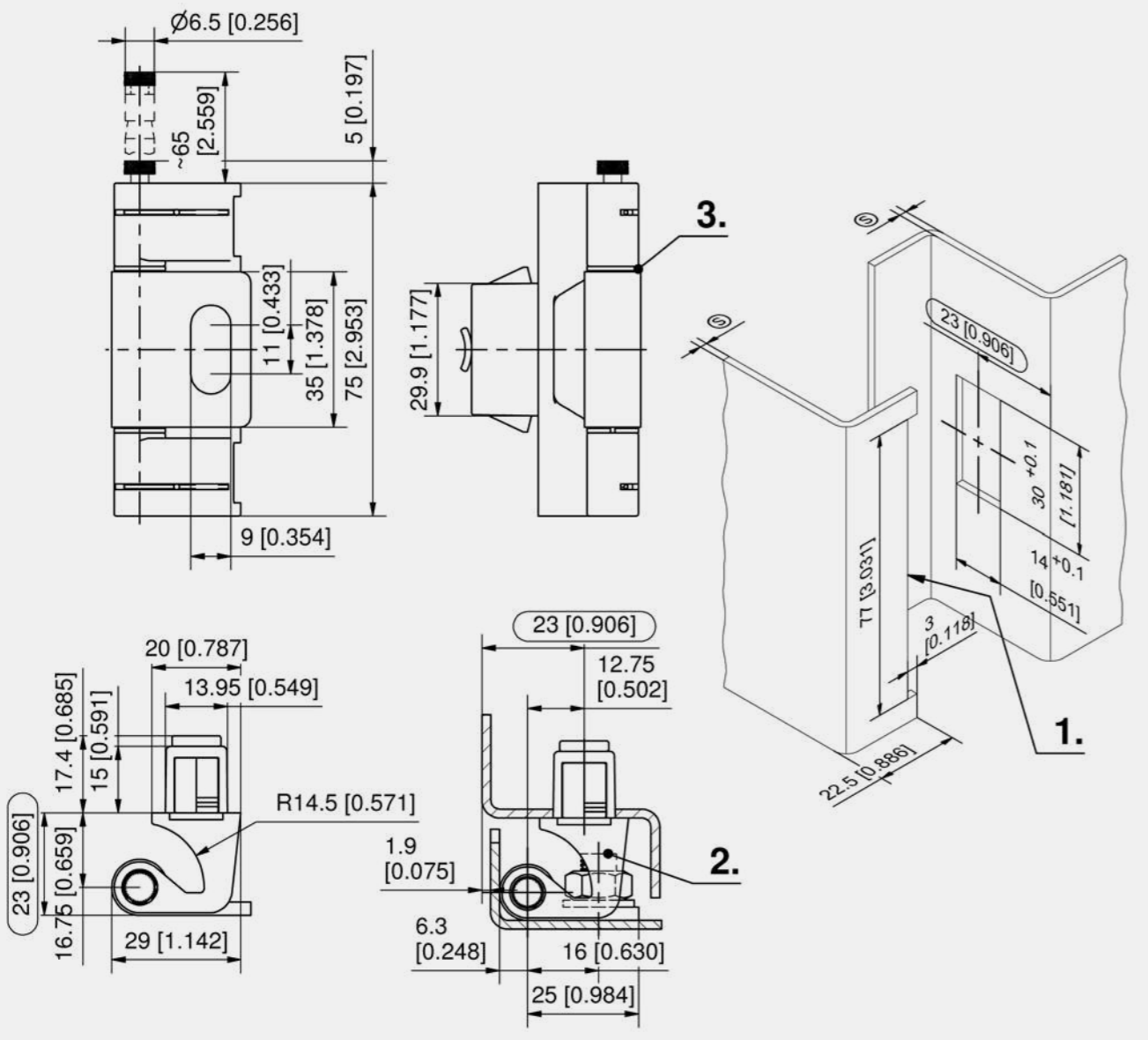
Hinge option 1: door LH, pin top, door RH, pin bottom

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
443-9001.00-10015	1.2 - 1.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9001.00-10020	1.7 - 2.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9001.00-10025	2.2 - 2.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9001.00-10030	2.7 - 3.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9001.00-10033	3.0 - 3.5 mm	self-locking	tool-less / screw-on	10 pcs.

Hinge option 2: door RH, pin top, door LH, pin bottom

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
443-9001.00-20015	1.2 - 1.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9001.00-20020	1.7 - 2.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9001.00-20025	2.2 - 2.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9001.00-20030	2.7 - 3.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9001.00-20033	3.0 - 3.5 mm	self-locking	tool-less / screw-on	10 pcs.

Accessories	
764	292-0301.15-00000 Tool for uninstallation
764	292-0306.80-02530 Tool for uninstallation
762	292-0402.00-03014 Cutout-cover
763	292-0701.15-01530 Reinforcement plate for cutout



DST



**Advantages**

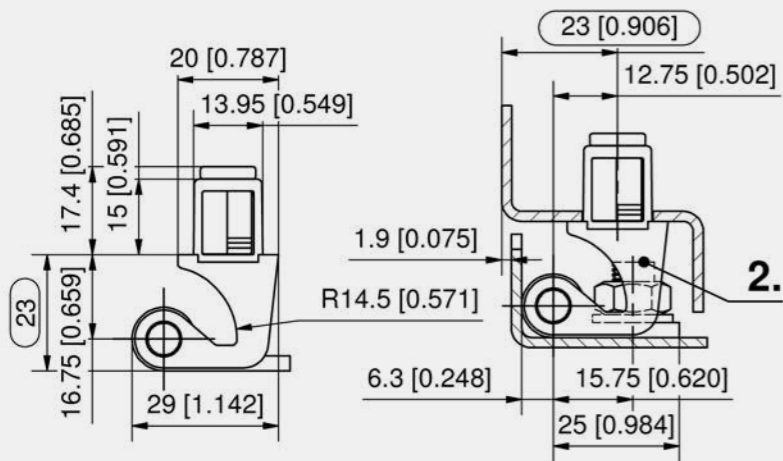
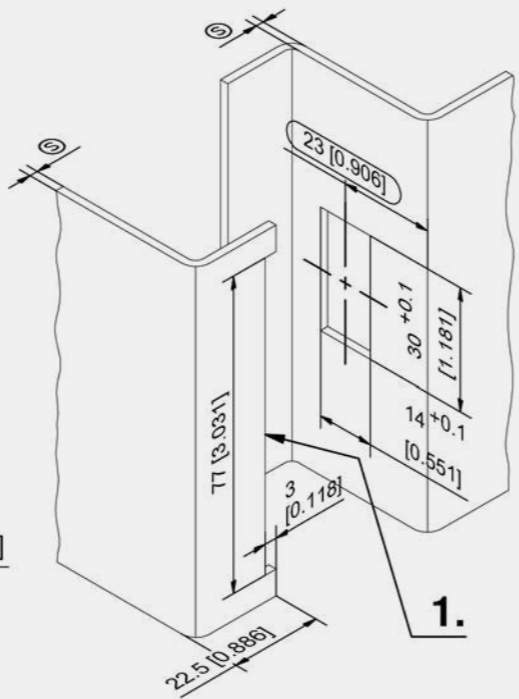
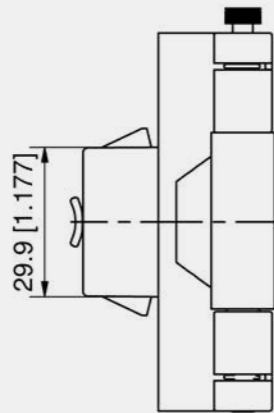
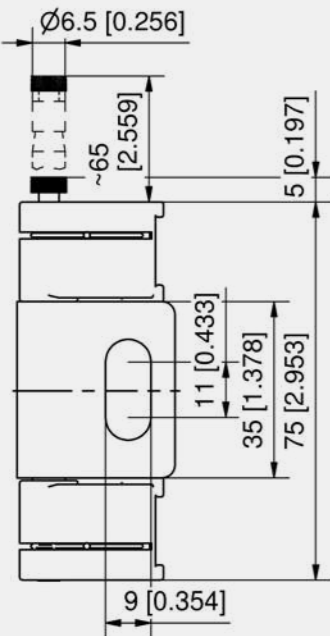
- For surface mounted doors.
- Hinge concealed.
- Door bending 23mm.
- RH / LH application.
- 130° Opening angle.
- Tool-less installation of frame-part.
- The pin engages to the wire springs at the frame-part and so it is captive.
- By pulling the pin the hinge can be removed.
- Door-part adjustable ±5mm.
- IP65 according to DIN EN 60529.

**Materials**

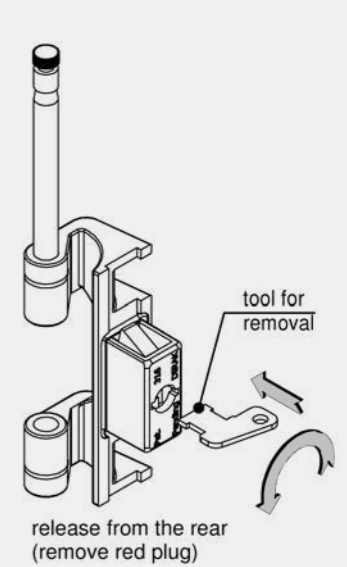
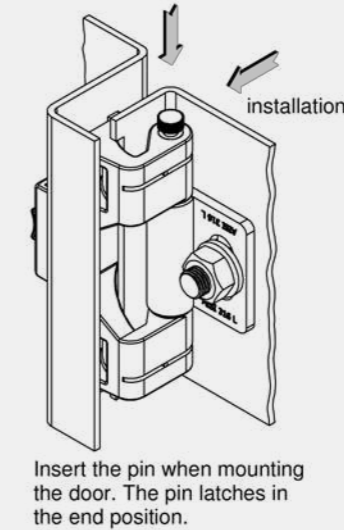
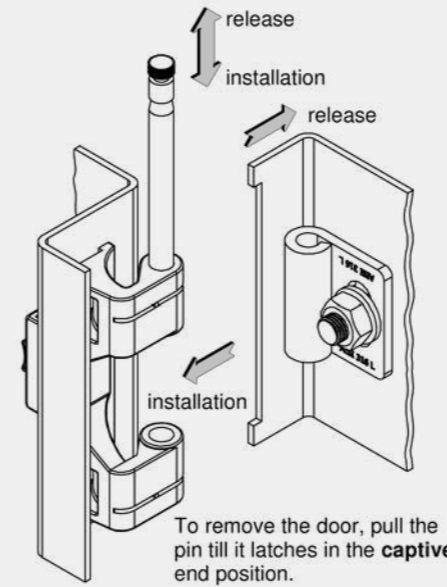
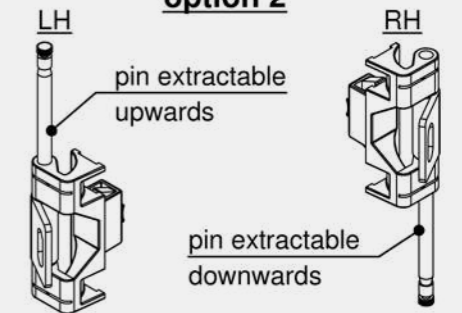
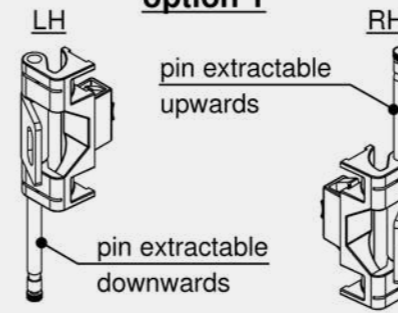
- **Frame- and door-part:** AISI 316
- **Pin:** AISI 303
- **Snap wedges:** stainless steel
- **O-ring:** NBR, black

**Remarks**

1. door-notch
2. weld-stud M8x15



**Examples of installation situations**



Hinge option 1: door RH, pin top, door LH, pin bottom

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
443-9002.00-10015	1.2 - 1.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9002.00-10020	1.7 - 2.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9002.00-10025	2.2 - 2.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9002.00-10030	2.7 - 3.2 mm	self-locking	tool-less / screw-on	10 pcs.

Hinge option 2: door LH, pin top, door RH, pin bottom

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
443-9002.00-20015	1.2 - 1.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9002.00-20020	1.7 - 2.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9002.00-20025	2.2 - 2.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9002.00-20030	2.7 - 3.2 mm	self-locking	tool-less / screw-on	10 pcs.

Accessories				
+	764	292-0301.15-00000	Tool for uninstallation	
	764	292-0306.80-02530	Tool for uninstallation	
	762	292-0402.00-03014	Cutout-cover	
	763	292-0701.15-01530	Reinforcement plate for cutout	



DST



**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 23mm.
- RH / LH application.
- 130° Opening angle.
- Tool-less installation of frame part.
- No tools needed. Just push the door onto the pin of the frame-part.
- The captive pin is pre-assembled.
- The pin engages to the wire springs at the frame-part and so it is captive.
- By pulling the pin the hinge can be removed.
- Door-part adjustable ±5mm.
- Seismic-proof according to GR-63-CORE, Issue 4.
- IP65 according to DIN EN 60529.

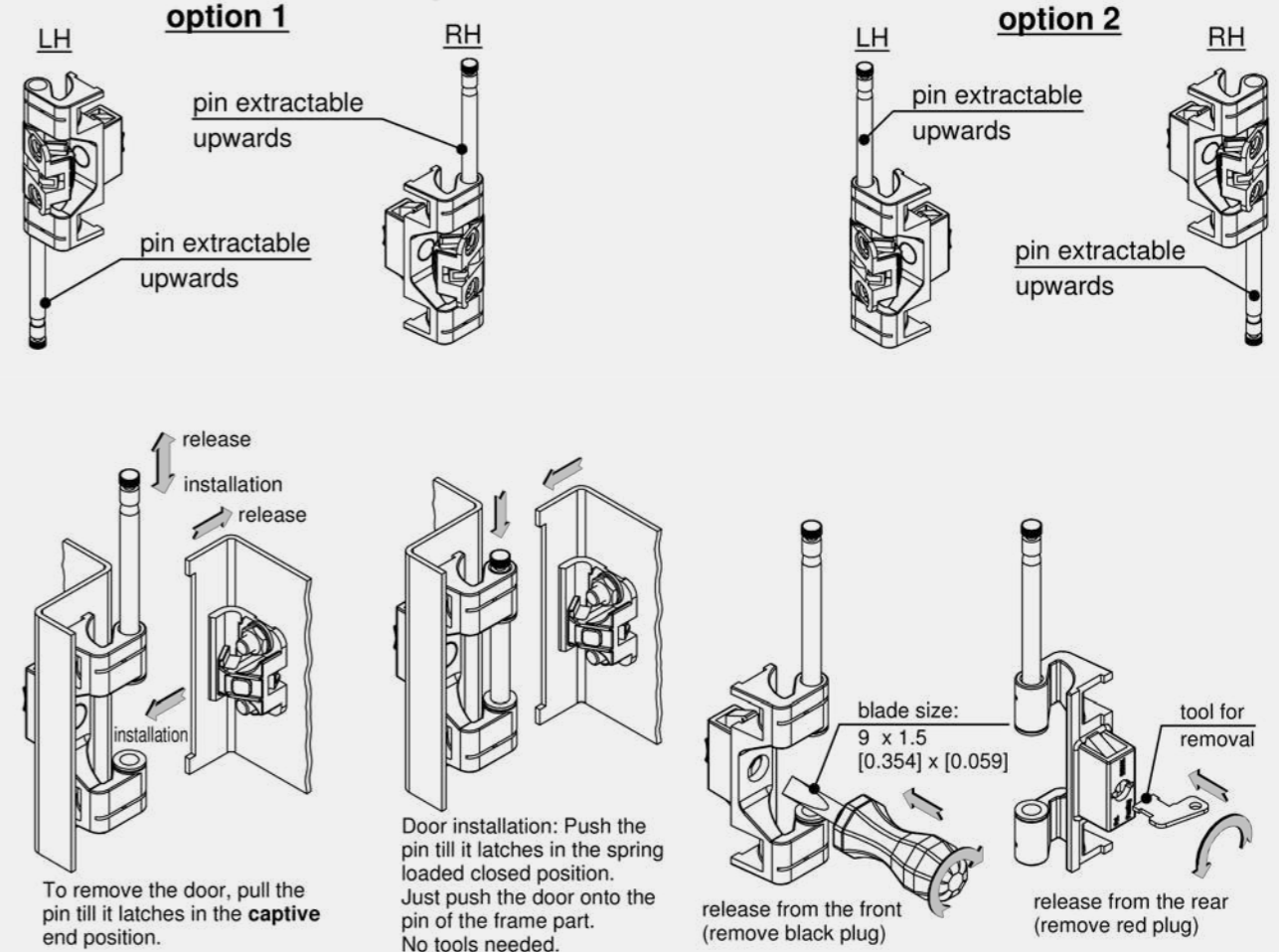
**Materials**

- **Frame-part:** zinc die, untreated
- **Door-part and slider:** zinc die, zinc plated
- **Pin:** steel, zinc plated
- **Snap wedges:** sintered metal, plated
- **O-ring:** NBR
- **Bearing bushings:** POM

**Remarks**

1. door notch
2. weld stud M6x12
3. bearing bushings

**Examples of installation situations**



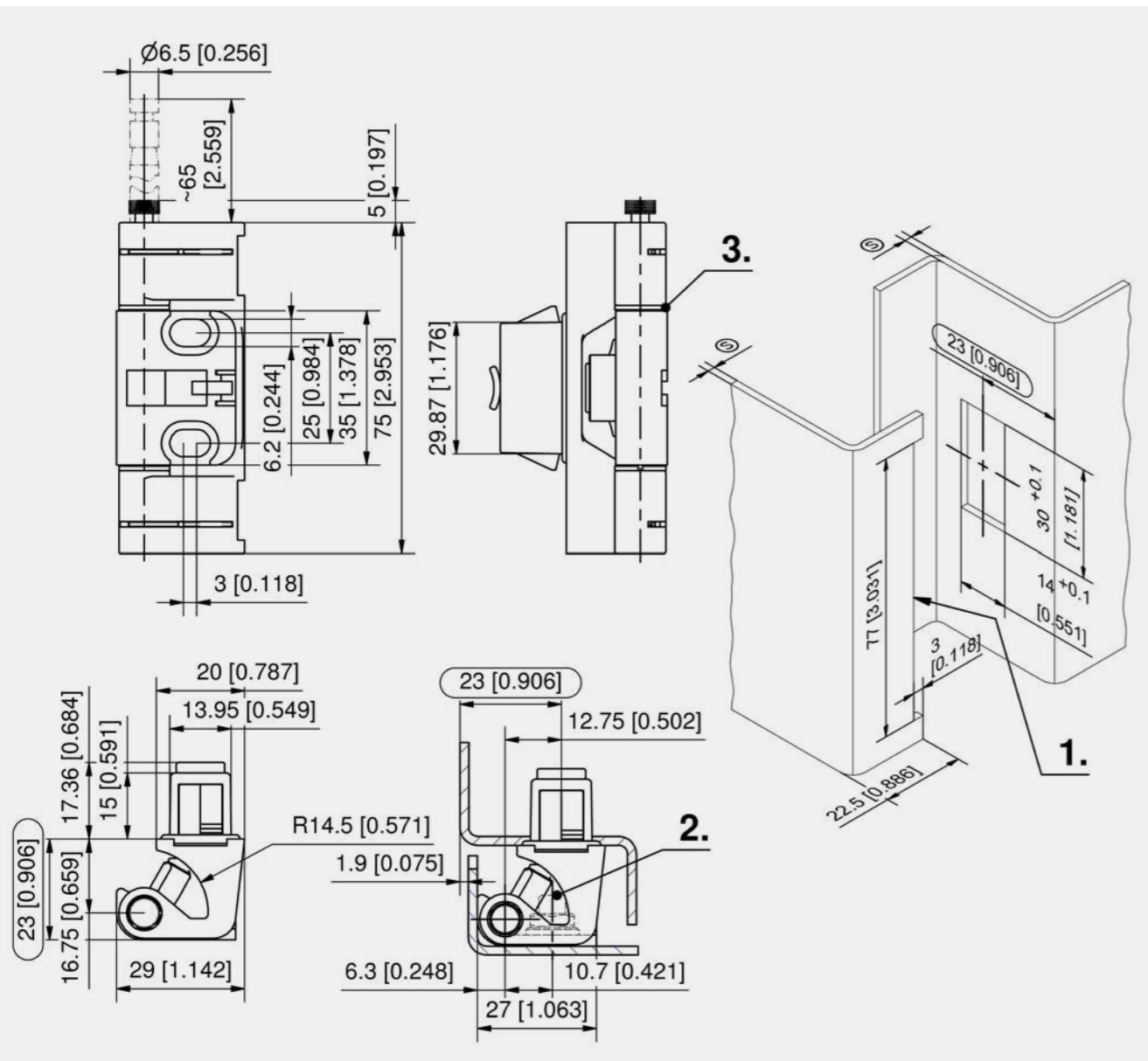
Hinge option 1: door LH, pin bottom, door RH, pin top

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
443-9101.00-10015	1.2 - 1.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9101.00-10020	1.7 - 2.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9101.00-10025	2.2 - 2.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9101.00-10030	2.7 - 3.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9101.00-10033	3.0 - 3.5 mm	self-locking	tool-less / screw-on	10 pcs.

Hinge option 2: door LH, pin top, door RH, pin bottom

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
443-9101.00-20015	1.2 - 1.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9101.00-20020	1.7 - 2.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9101.00-20025	2.2 - 2.7 mm	self-locking	tool-less / screw-on	10 pcs.
443-9101.00-20030	2.7 - 3.2 mm	self-locking	tool-less / screw-on	10 pcs.
443-9101.00-20033	3.0 - 3.5 mm	self-locking	tool-less / screw-on	10 pcs.

Accessories	
764	292-0301.15-00000 Tool for uninstallation
764	292-0306.80-02530 Tool for uninstallation
762	292-0402.00-03014 Cutout-cover
763	292-0701.15-01530 Reinforcement plate for cutout





**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 23 mm.
- RH / LH application.
- 120° Opening angle.
- By rotating the 1/4 turn on the door-part, the door can be removed to the front. (see 3. and 4.)

**Materials**

- **Frame- and door-part, cross-bar and fastening washer:** AISI 304
- **Pin:** AISI 303
- **Stud:** AISI 420

**Remarks**

1. weld projections
2. installation instruction for fastening washer



**Advantages**

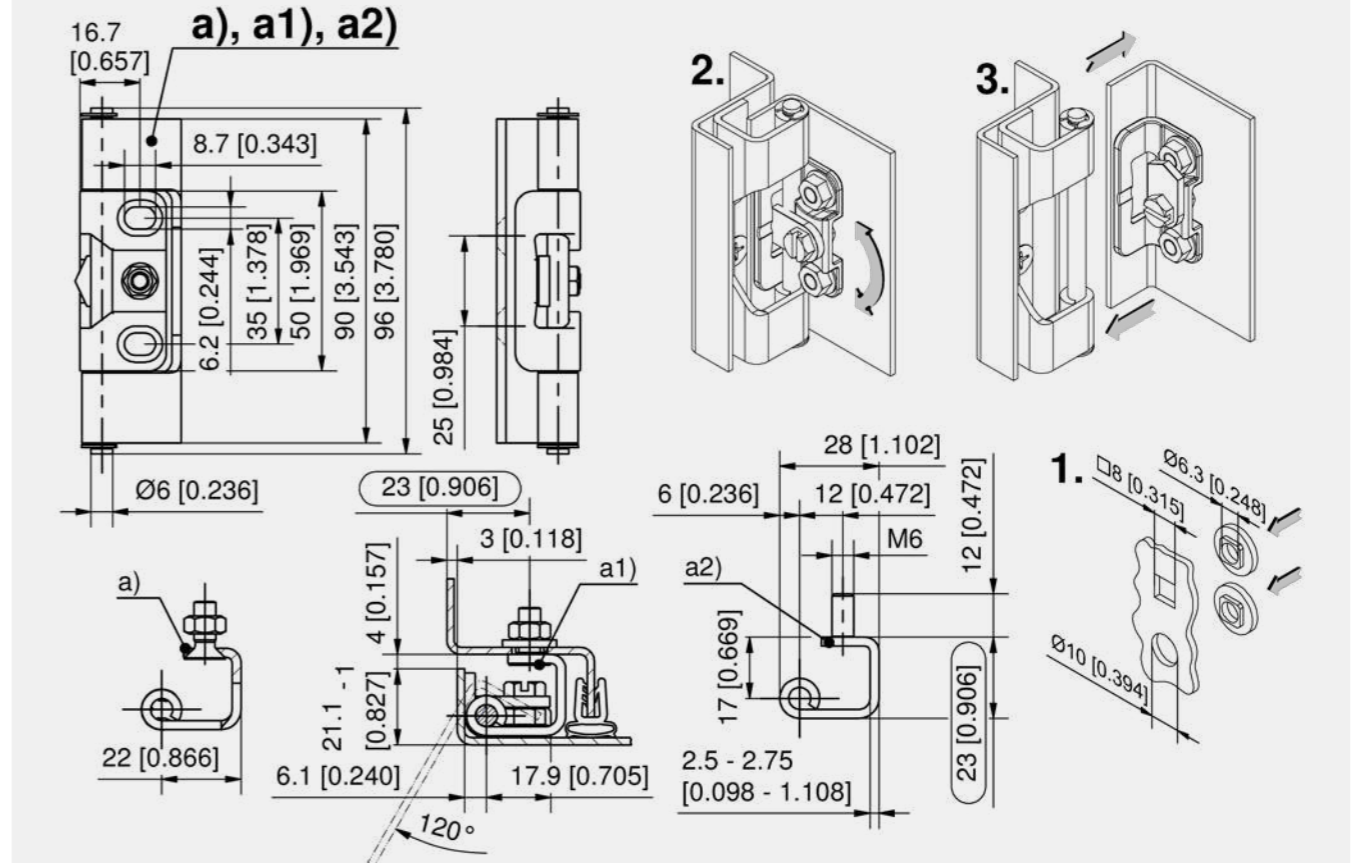
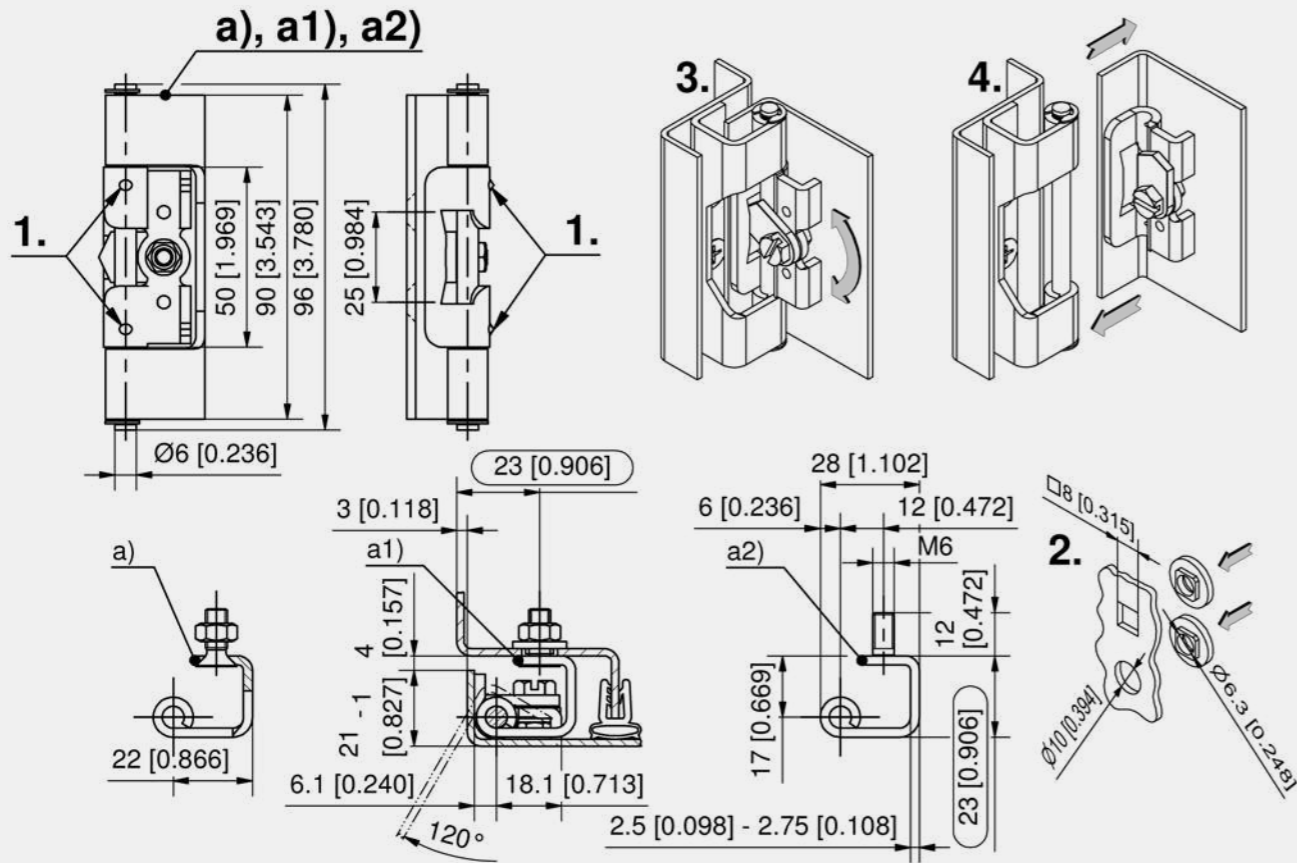
- For surface mounted doors.
- Hinge concealed.
- Door bending 23mm.
- RH / LH application.
- 120° Opening angle.
- By rotating the 1/4 turn on the door-part, the door can be removed to the front. (see 2. and 3.)

**Materials**

- **Frame-part, cross-bar and fastening washer:** AISI 304
- **Door-part:** AISI 316
- **Pin:** AISI 303

**Remarks**

1. installation instruction for fastening washer



Concealed hinge

	Part Number	Frame-part	cutout in frame	Pin version	Installation type	Delivery Unit
a)	243-9206.00-00000	with countersunk holes for M6	Ø6.3 or M6	with groove incl. locking washer DIN6799	screw- / weld-on	10 pcs.
a1)	243-9207.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. locking washer DIN6799	screw- / weld-on	10 pcs.
a2)	243-9210.00-00000	with studs for M6	Ø6.3, □8, Ø10	with groove incl. locking washer DIN6799	screw- / weld-on	10 pcs.

Concealed hinge

	Part Number	Frame-part	cutout in frame	Pin version	Installation type	Delivery Unit
a)	243-9212.00-00000	with countersunk holes for M6	Ø6.3 or M6	with groove incl. locking washer DIN6799	screw-on	10 pcs.
a1)	243-9213.00-00000	with countersunk holes for M6 + fastening washer	□8 or Ø10	with groove incl. locking washer DIN6799	screw-on	10 pcs.
a2)	243-9211.00-00000	with studs for M6	Ø6.3, □8, Ø10	with groove incl. locking washer DIN6799	screw-on	10 pcs.







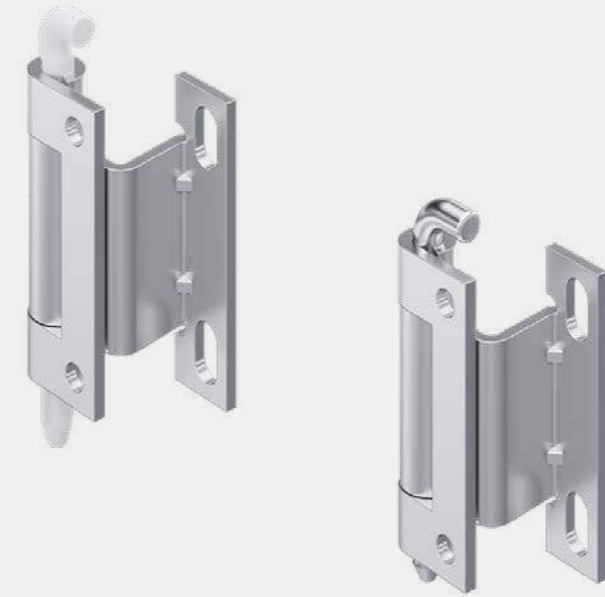


**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 24 mm.
- RH / LH application.
- 120° Opening angle.
- Door-part: screw-on or weld-on.
- Frame-part: screw-on.

**Materials**

- **Frame-part and pin:** steel, zinc plated
- **Door-part:** steel, untreated c) and f)
- **O-ring:** NBR

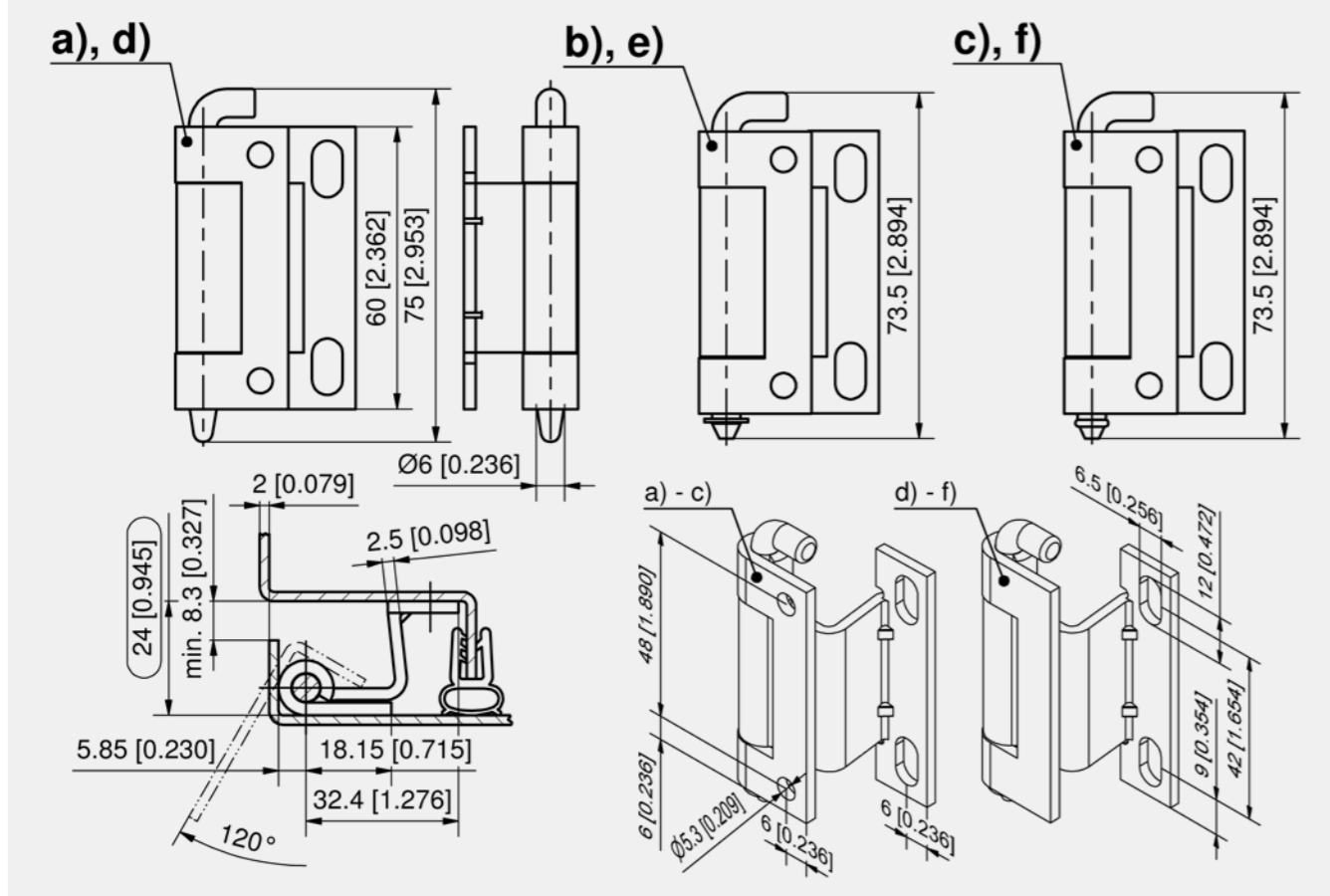


**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 24 mm.
- RH / LH application.
- 120° Opening angle.
- Frame-part: screw-on.
- Door-part: weld-on or screw-on.
- The hinge can also be supplied with a self-locking POM pin which can be mounted upside-down for very short enclosures.

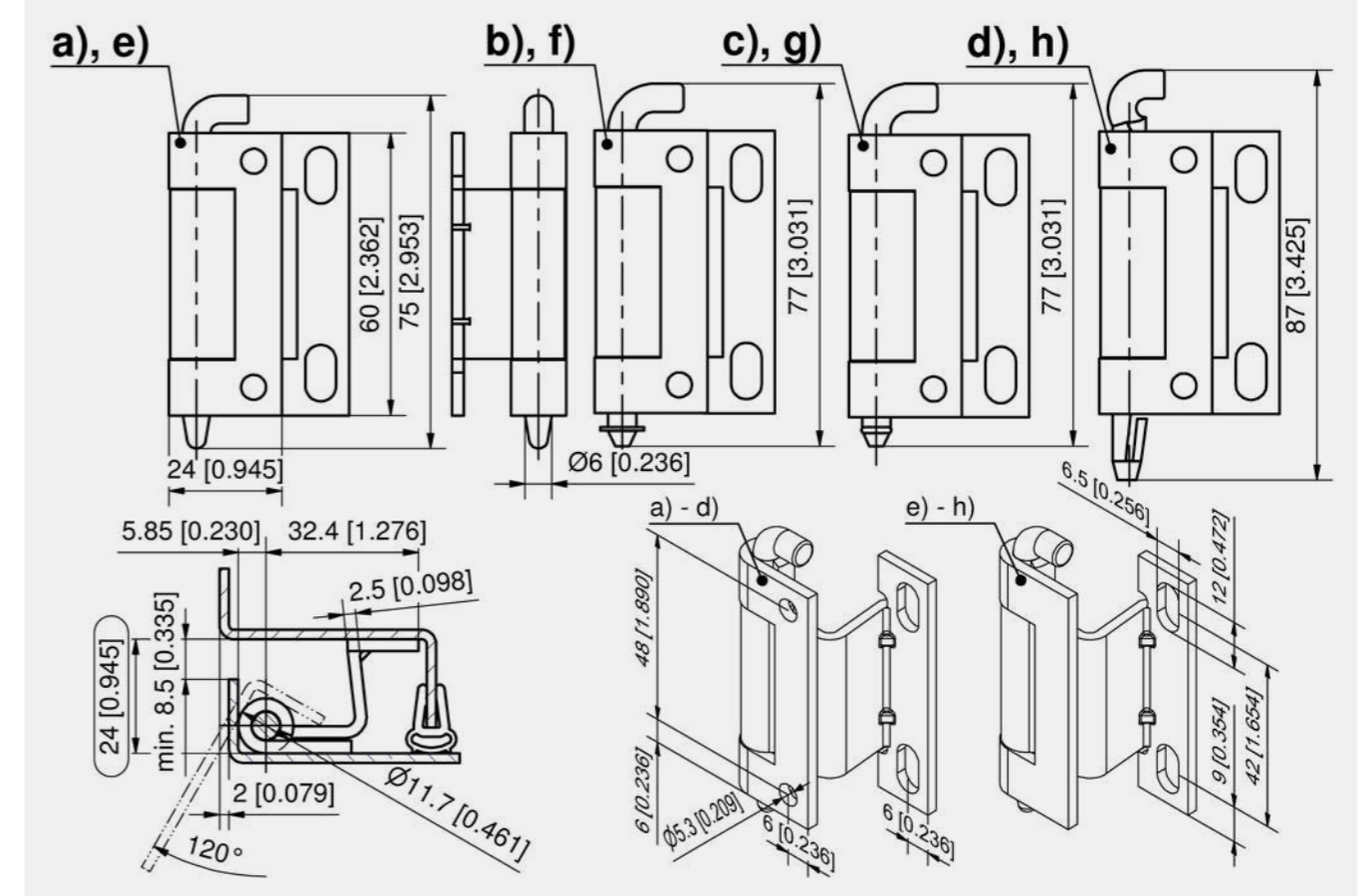
**Materials**

- **Frame-part and door-part:** AISI 304
- **Pin:** stainless steel or POM natural



Concealed hinge

	Part Number	Pin version	Installation type door-part	Delivery Unit
a)	216-9004.00-00000	without groove	screw-on	10 pcs.
b)	216-9012.00-00000	with groove incl. locking washer DIN6799	screw-on	10 pcs.
c)	216-9012.00-00001	with groove incl. o-ring	screw-on	10 pcs.
d)	216-9029.00-00000	without groove	weld-on	10 pcs.
e)	216-9028.00-00000	with groove incl. locking washer DIN6799	weld-on	10 pcs.
f)	216-9028.00-00001	with groove incl. o-ring	weld-on	10 pcs.



Concealed hinge

	Part Number	Material pin	Pin version	Installation type door-part	Delivery Unit
a)	216-9104.00-00000	stainless steel	without groove	screw-on	10 pcs.
b)	216-9112.00-00002	stainless steel	with groove incl. locking washer DIN6799	screw-on	10 pcs.
c)	216-9112.00-00001	stainless steel	with groove incl. o-ring	screw-on	10 pcs.
d)	216-9106.00-00000	POM	self-locking	screw-on	10 pcs.
e)	216-9122.00-00000	stainless steel	without groove	weld-on	10 pcs.
f)	216-9126.00-00000	stainless steel	with groove incl. locking washer DIN6799	weld-on	10 pcs.
g)	216-9126.00-00001	stainless steel	with groove incl. o-ring	weld-on	10 pcs.
h)	216-9124.00-00000	POM	self-locking	weld-on	10 pcs.





**Advantages**

- For surface mounted doors.
- Hinge concealed.
- Door bending 23mm.
- RH and LH application.
- 120° Opening angle.
- Two different fastenings on the door.
- Frame-part: screw-on e.g. cross recessed raised cheese head screw M6 DIN EN ISO 7045.

**Materials**

- **Door-part:** steel, untreated
- **Frame-part and pin:** steel, zinc plated

**Remarks**

- a) door-part to be **weld-on** on the **door leaf**
- b) door-part to be **weld-on** on the **door bending**



**Advantages**

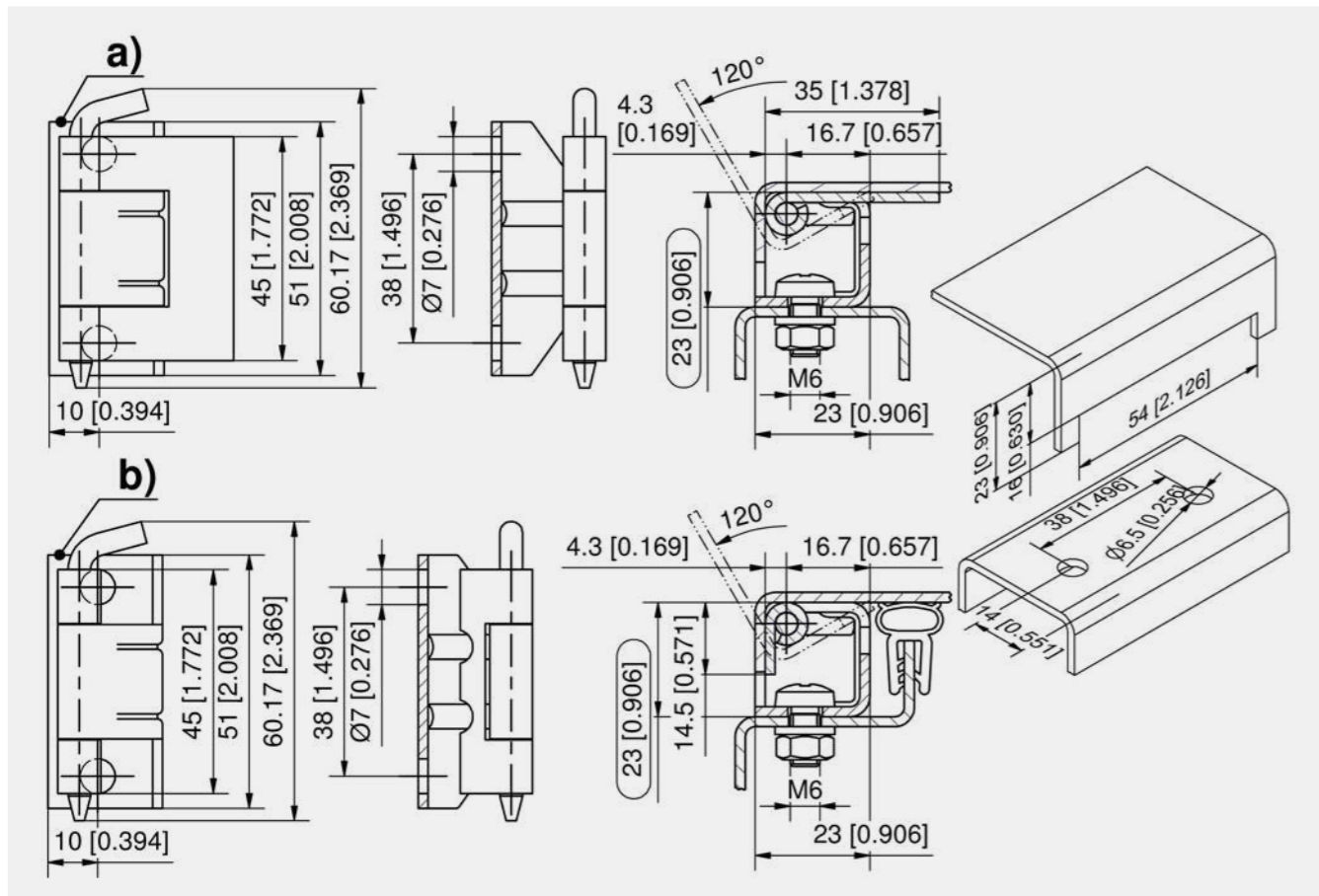
- For surface mounted doors.
- Hinge visible.
- 2 parts.
- 180° Opening angle.

**Materials**

- **Hinge:** steel, zinc plated, brass untreated
- **Nuts and serrated washers:** steel, zinc plated
- **Bearing washer:** brass, nickel plated
- **Pin:** steel, nickel plated

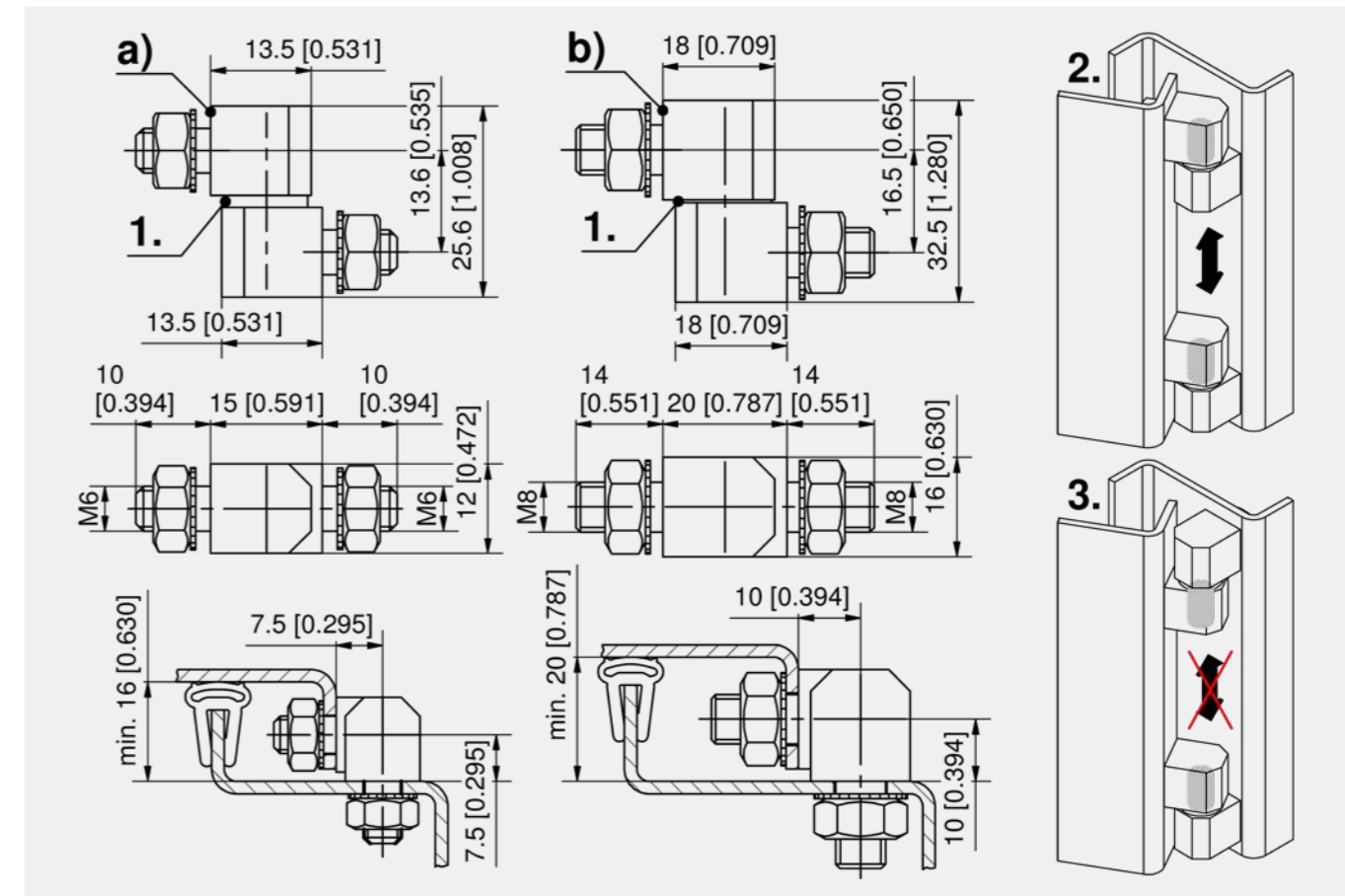
**Remarks**

- 2 nuts and serrated washers are included
- Fastening with M6 or M8
- 1. bearing washer
- 2. Lift-off mounted
- 3. non Lift-off mounted



Concealed hinge

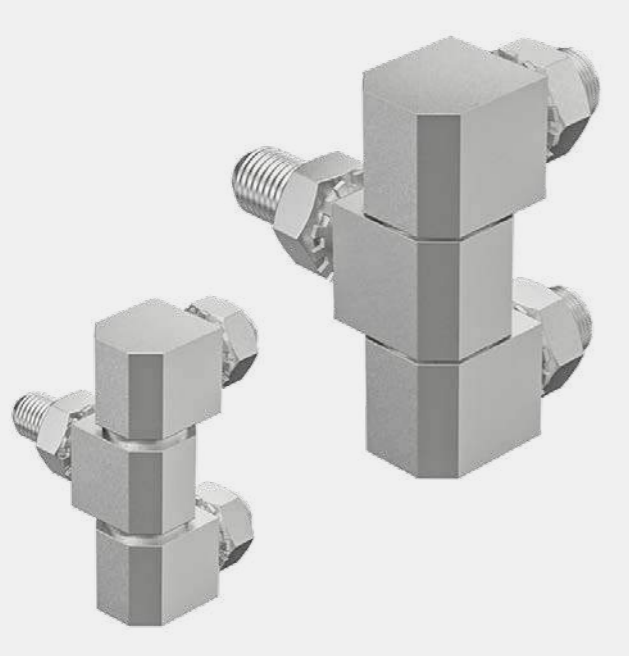
	Part Number	Pin version	Installation type	Delivery Unit
a)	216-9008.00-00000	loose	screw- / weld-on	10 pcs.
b)	216-9013.00-00000	loose	screw- / weld-on	10 pcs.



Corner hinge

	Part Number	Material	Surface	Pin version	Installation type	Delivery Unit
a)	219-9005.00-00000	steel	zinc plated	loose	screw-on M6	10 pcs.
b)	219-9111.00-00000	steel	zinc plated	loose	screw-on M8	10 pcs.
b)	219-9112.00-00000	brass	untreated	loose	screw-on M8	10 pcs.





**Advantages**

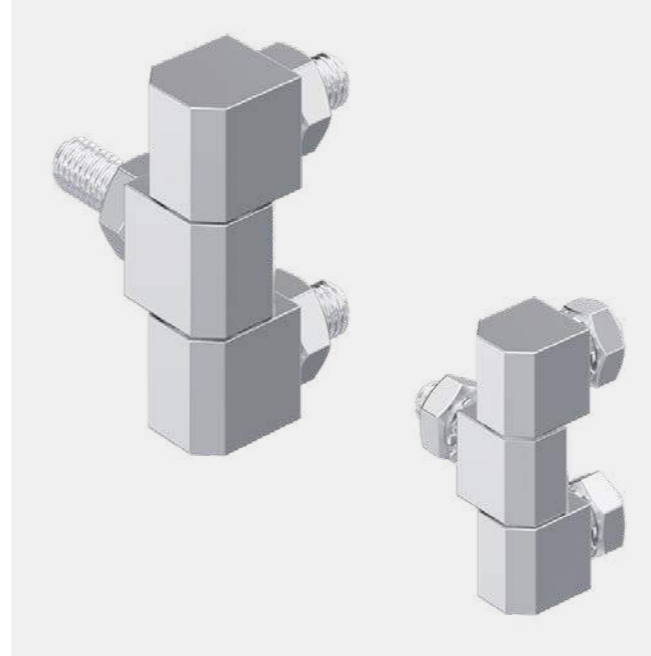
- For surface mounted door.
- Hinge visible.
- 3-part.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Hinge:** steel, zinc plated, brass, untreated
- **Nut and washer:** steel, zinc plated
- **Bearing washer:** brass, nickel plated
- **Pin:** steel, nickel plated

**Remarks**

3 nuts and serrated washers are included.  
Fastening M6 or M8  
Not lift-off  
1. bearing washer



**Advantages**

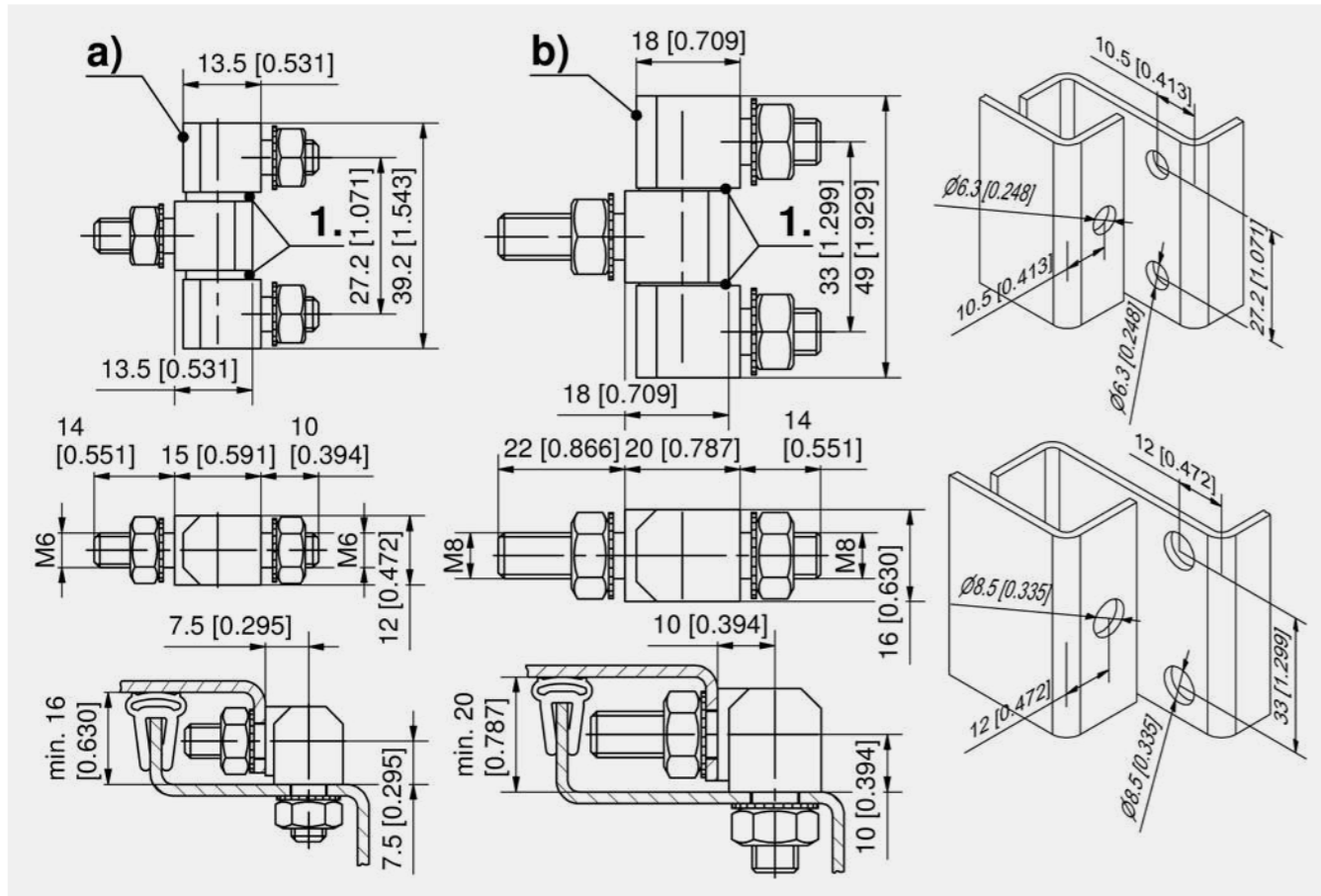
- For surface mounted doors.
- Hinge visible.
- 180° Opening angle.

**Materials**

- **Hinge:** AISI 304

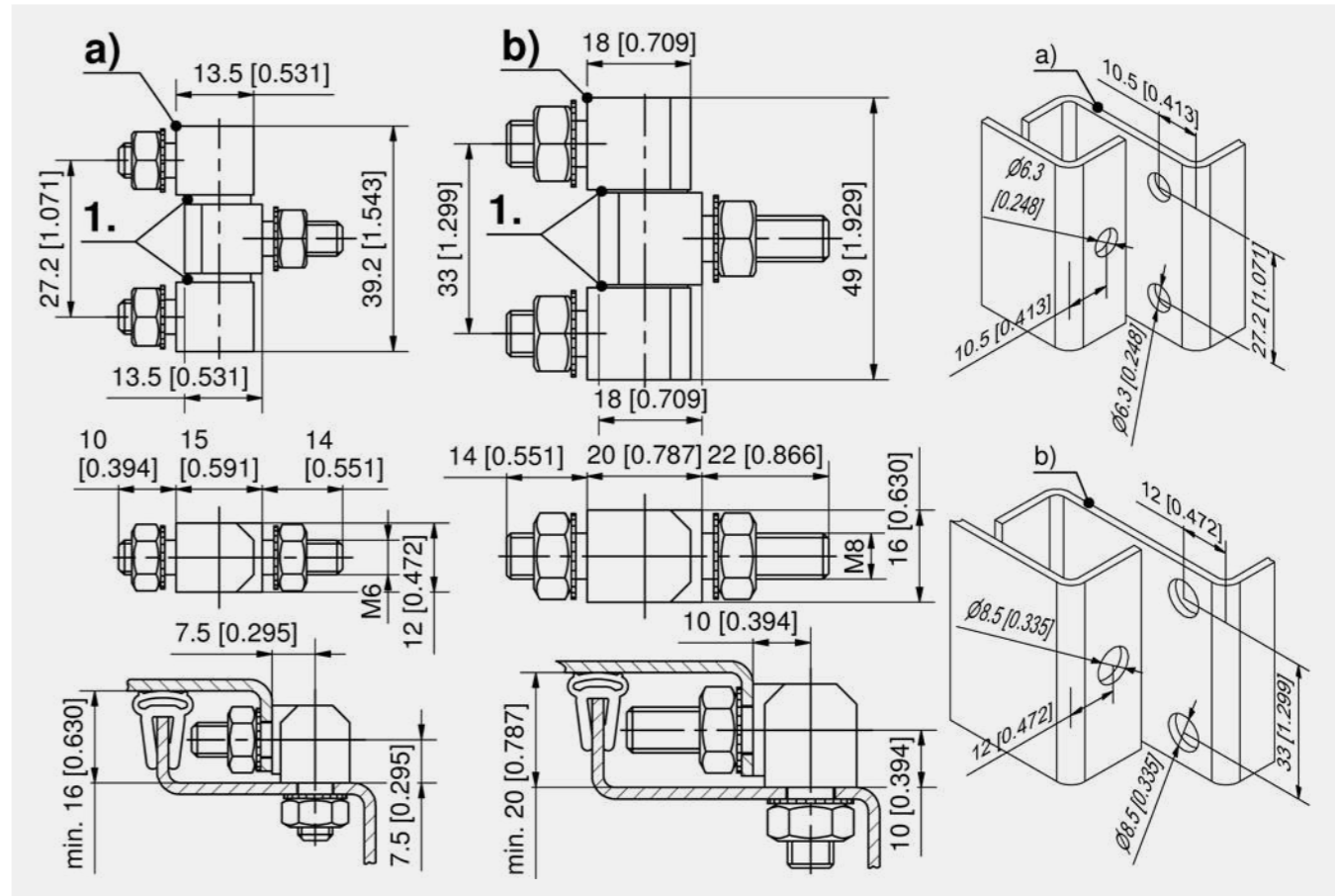
**Remarks**

3 nuts and serrated washers are included.  
Fastening M6 or M8.  
1. bearing washers



Corner hinge

	Part Number	Material	Surface	Pin version	Installation type	Delivery Unit
a)	219-9001.00-00000	steel	zinc plated	loose	screw-on M6	10 pcs.
b)	219-9101.00-00000	steel	zinc plated	loose	screw-on M8	10 pcs.
b)	219-9106.00-00000	brass	untreated	loose	screw-on M8	10 pcs.



Corner hinge

	Part Number	Pin version	Installation type	Delivery Unit
a)	219-9002.00-00000	loose	screw-on M6	10 pcs.
b)	219-9105.00-00000	loose	screw-on M8	10 pcs.





**Advantages**

- Screw-on hinge for explosion-tight doors.
- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Hinge:** tempered steel, zinc plated
- **Washer:** brass, nickel plated
- **Nut and serrated washer:** steel, zinc plated
- **Pin:** steel, nickel plated

**Remarks**

1. washer
2. nuts M8 and serrated washers are included
3. stud bolt, nut and serrated washer M10 are **not** included



**Advantages**

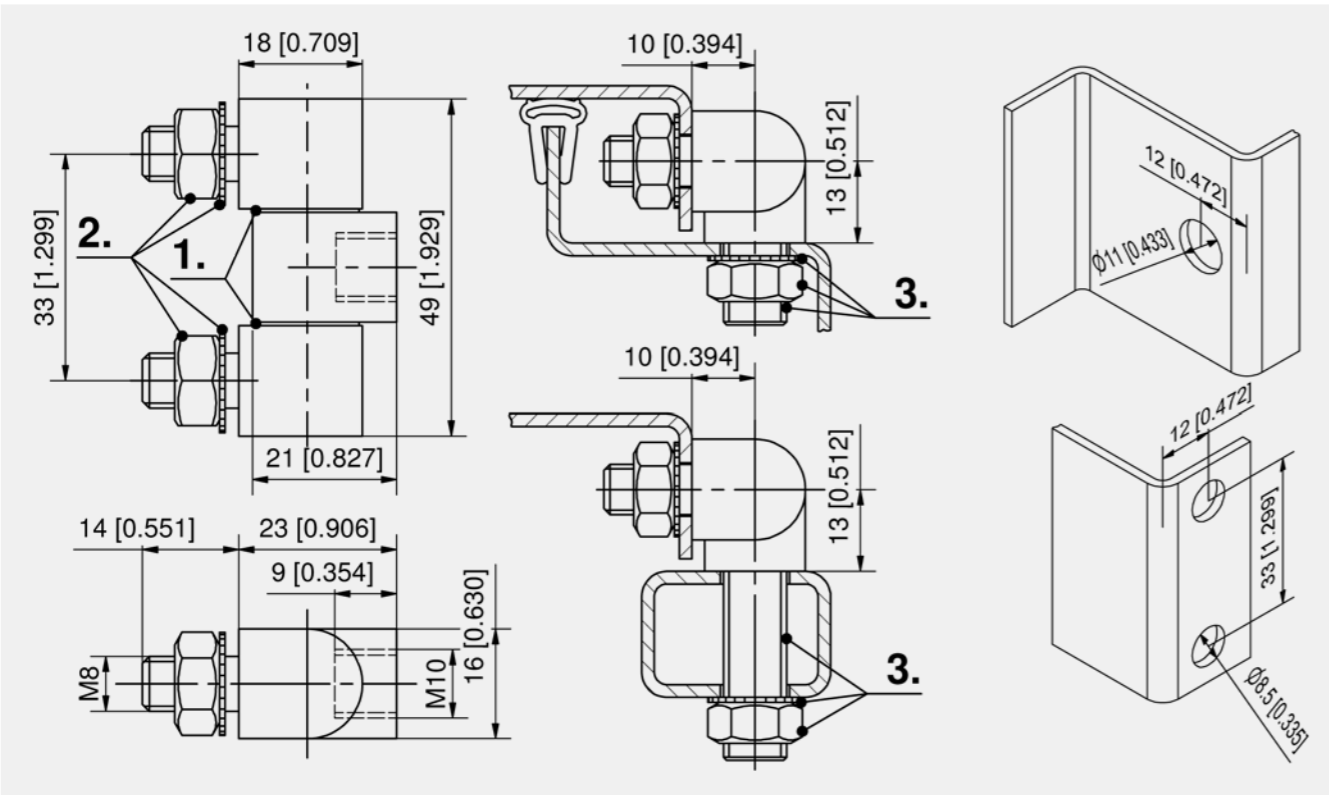
- Corner hinge, screw-on or weld-on.
- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Door is lift-off.

**Materials**

- **Hinge-parts:** steel, zinc plated
- **Covers:** AISI 301

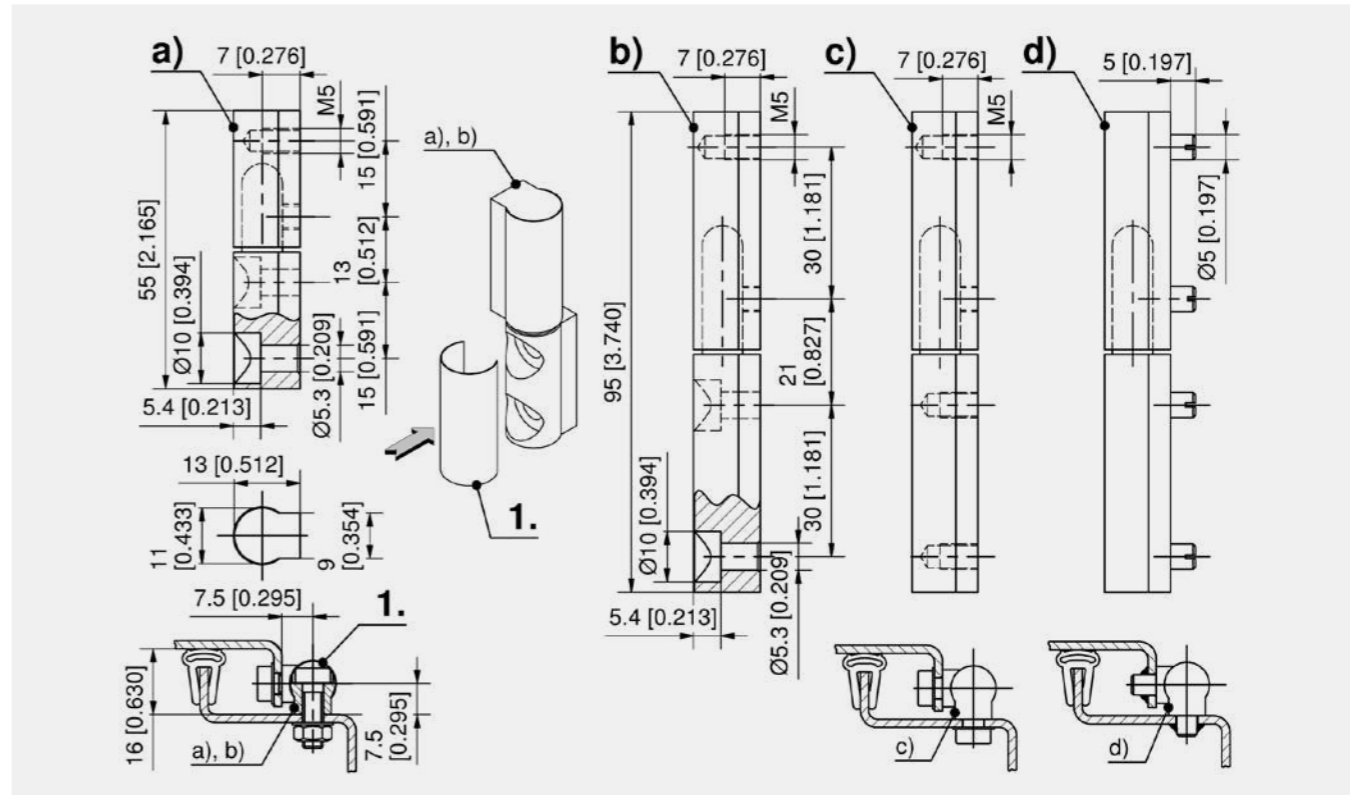
**Remarks**

The covers 1. for version a) and b) have sharp edges.  
We only show the 4 most common versions.  
Other versions on request.



Corner hinge

Part Number	Pin version	Installation type	Delivery Unit
219-9201.00-00000	loose	screw-on	10 pcs.



Corner hinge with threaded stubs M5 + drilled holes 5.3mm

	Part Number	Length	Version	Pin version	Installation type	Delivery Unit
a)	242-9001.00-00000	55 mm	2 caps	cast-on	screw-on	10 pcs.
b)	242-9103.00-00000	95 mm	2 caps	cast-on	screw-on	10 pcs.

Corner hinge with threaded stubs M5

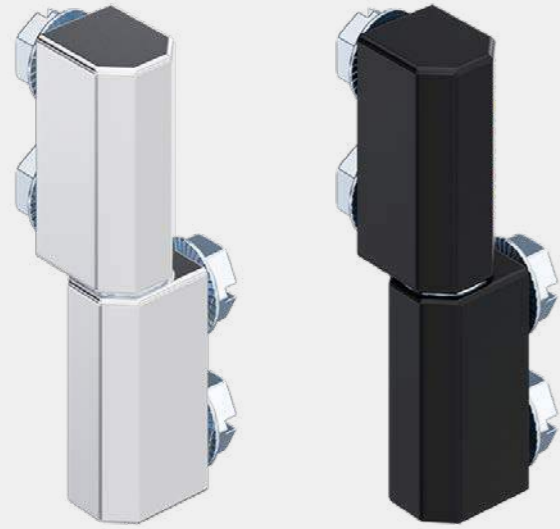
	Part Number	Length	Pin version	Installation type	Delivery Unit
c)	242-9101.00-00000	95 mm	cast-on	screw-on	10 pcs.

Corner hinge with weld stud

	Part Number	Length	Pin version	Installation type	Delivery Unit
d)	242-9102.00-00000	95 mm	cast-on	weld-on	10 pcs.







**Advantages**

- For surface-mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Lift-off.

**Materials**

- **Hinge:** zinc die, glossy chrome plated or black
- **Spacer:** PTFE Teflon

**Remarks**

1. 4 self-locking screws M5x6 are included.
2. spacer



**Advantages**

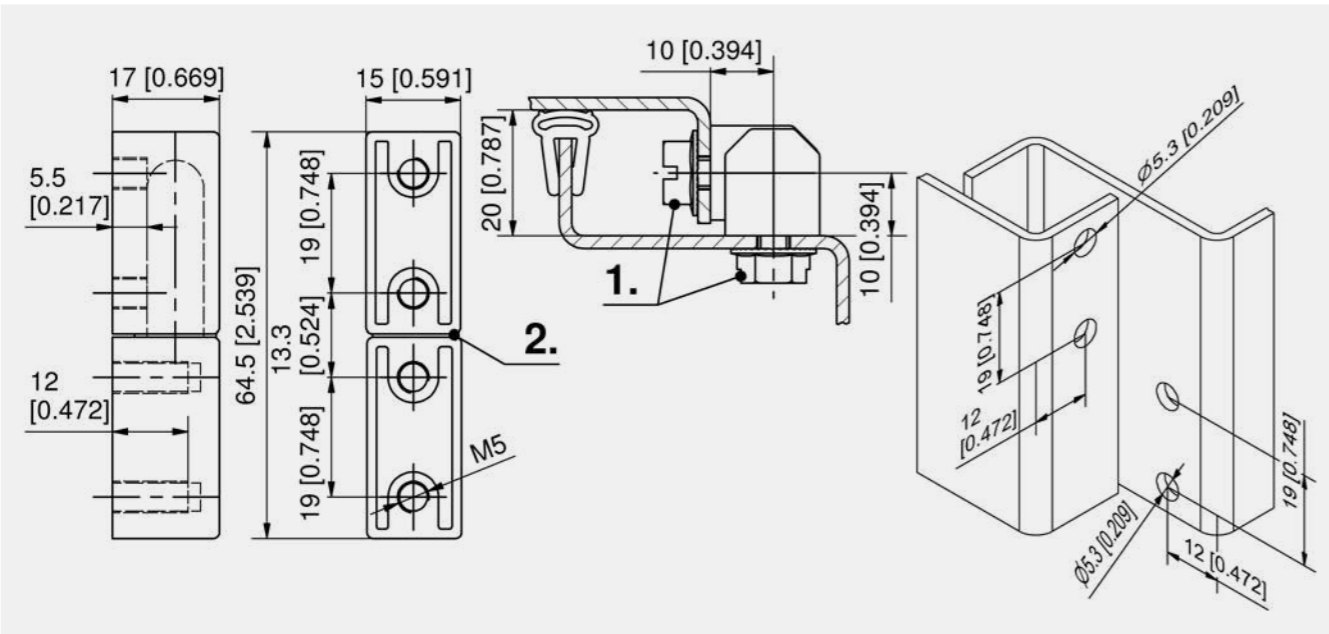
- Corner hinge with DIRAK-SNAP-Technology
- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Tool-less installation.
- Lift-off.
- The installation of the frame-part and door-part is achieved by a simple push into the appropriate cutouts.

**Materials**

- **Hinge-parts:** zinc die, matt black
- **Pin cast-on:** zinc die
- **For heavy duty, solid pin, pressed in:** stainless steel
- **Spacer:** Teflon, black
- **Snap wedges:** sintered steel

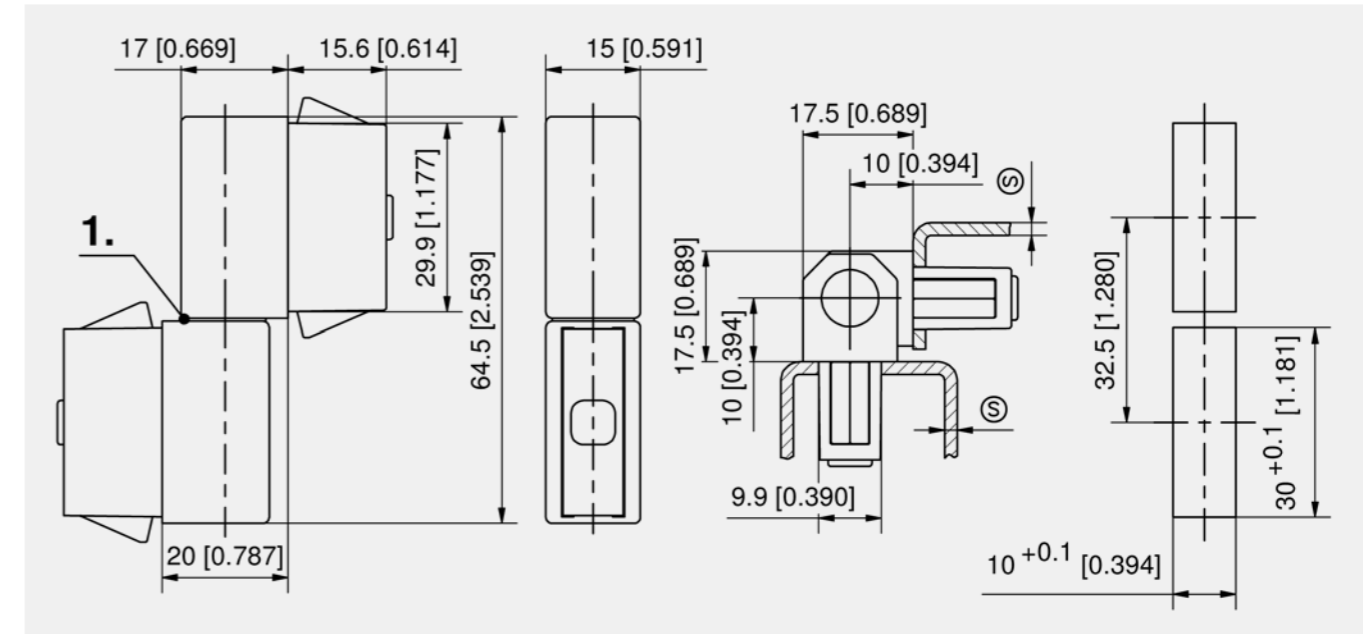
**Remarks**

1. spacer



Corner hinge, zinc die

Part Number	Surface	Pin version	Installation type	Delivery Unit
224-9104.00-00000	black	cast-on	screw-on	10 pcs.
224-9105.00-00000	glossy chrome plated	cast-on	screw-on	10 pcs.



Corner hinge

Part Number	Clamping range (S)	Material pin	Pin version	Installation type	Delivery Unit
417-9004.00-00010	0.7 - 1.2 mm	zinc die	cast-on	tool-less	10 pcs.
417-9004.00-00015	1.2 - 1.7 mm	zinc die	cast-on	tool-less	10 pcs.
417-9004.00-00020	1.7 - 2.2 mm	zinc die	cast-on	tool-less	10 pcs.
417-9004.00-00030	2.7 - 3.2 mm	zinc die	cast-on	tool-less	10 pcs.
417-9009.00-00010	0.7 - 1.2 mm	stainless steel	pressed in	tool-less	10 pcs.
417-9009.00-00015	1.2 - 1.7 mm	stainless steel	pressed in	tool-less	10 pcs.
417-9009.00-00020	1.7 - 2.2 mm	stainless steel	pressed in	tool-less	10 pcs.
417-9009.00-00030	2.7 - 3.2 mm	stainless steel	pressed in	tool-less	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout



# Corner Hinge Pr04 180°

[4-285]

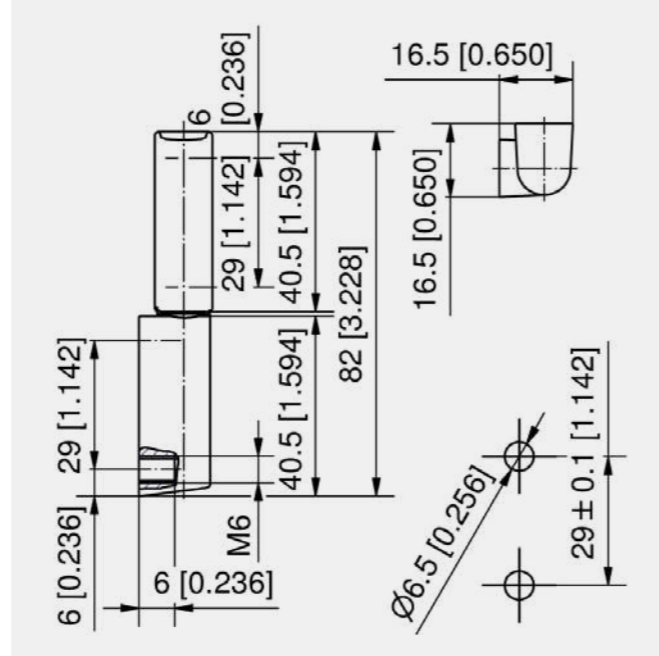


**Advantages**

- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Lift-off.

**Materials**

- **Hinge:** zinc die, black
- **Other surfaces on request.**
- **Pin:** stainless steel



Corner hinge

Part Number	Length	Pin version	Installation type	Delivery Unit
224-9008.00-00000	82 mm	pressed in	screw-on	10 pcs.

# Corner Hinge Pr04 180° Stainless Steel

[7-210]

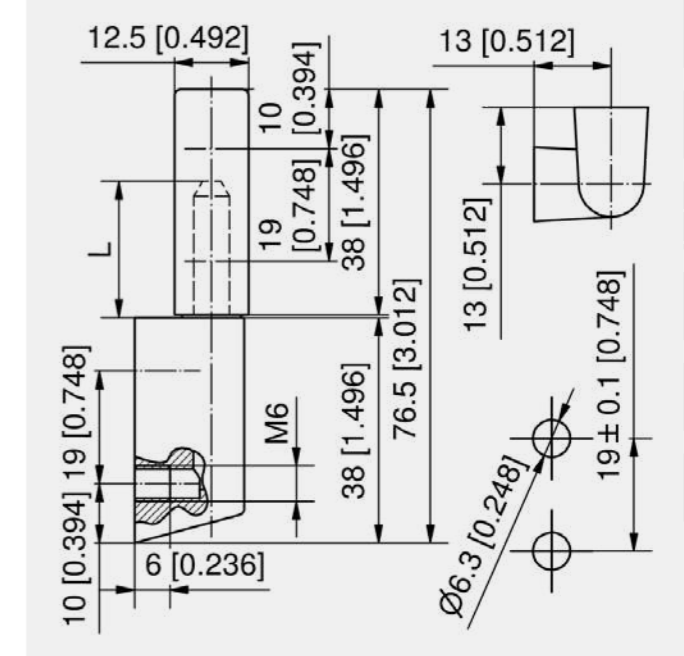


**Advantages**

- For surface-mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Lift-off.
- The sloping ends prevent the deposit of dust or dirt.

**Materials**

- **Hinge completely:** AISI 316



Corner hinge

Part Number	Pin length L	Pin version	Installation type	Delivery Unit
224-9003.00-00000	23 mm	pressed in	screw-on	10 pcs.
224-9005.00-00000	17.6 mm	pressed in	screw-on	10 pcs.

# Corner Hinge Pr04 180°

[4-285.01]

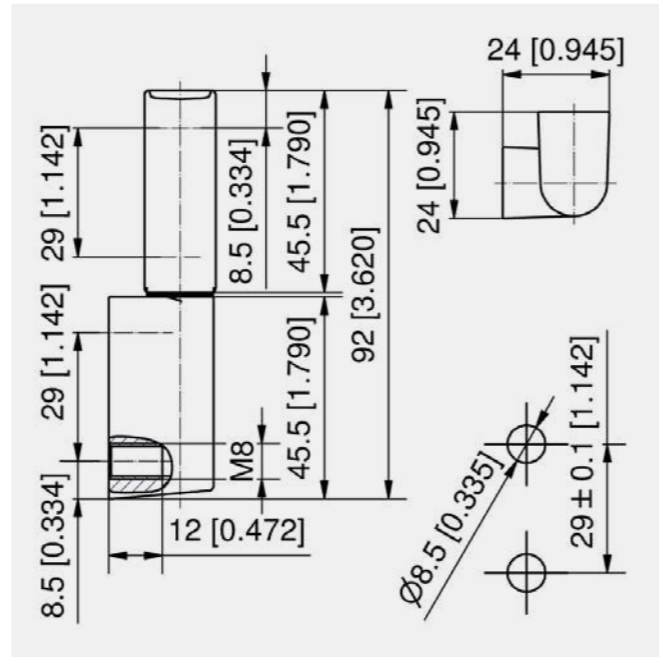


**Advantages**

- For surface mounted doors.
- Hinge visible.
- For heavy applications.
- RH / LH application.
- 180° Opening angle.
- Lift-off.

**Materials**

- **Hinge:** zinc die, black
- **Other surfaces on request!**
- **Pin:** stainless steel



Corner hinge

Part Number	Length	Pin version	Installation type	Delivery Unit
224-9012.00-00000	92 mm	pressed in	screw-on	10 pcs.

# Corner Hinge Pr04 180° Stainless Steel

[7-211]

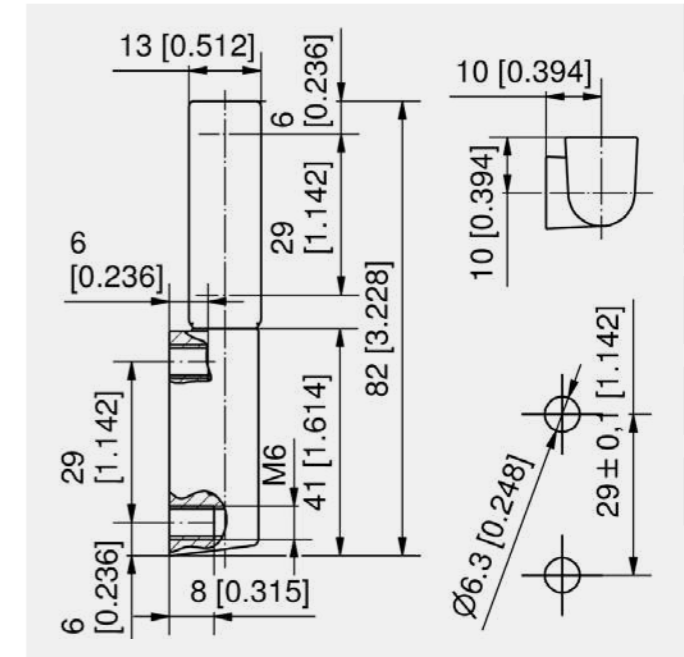


**Advantages**

- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Screw-on.
- Lift-off.

**Materials**

- **Corner hinge:** AISI 316, satin polished
- **Pin:** stainless steel



Corner hinge

Part Number	Length L	Pin version	Installation type	Delivery Unit
224-9201.00-00000	82 mm	pressed in	screw-on	10 pcs.





**Advantages**

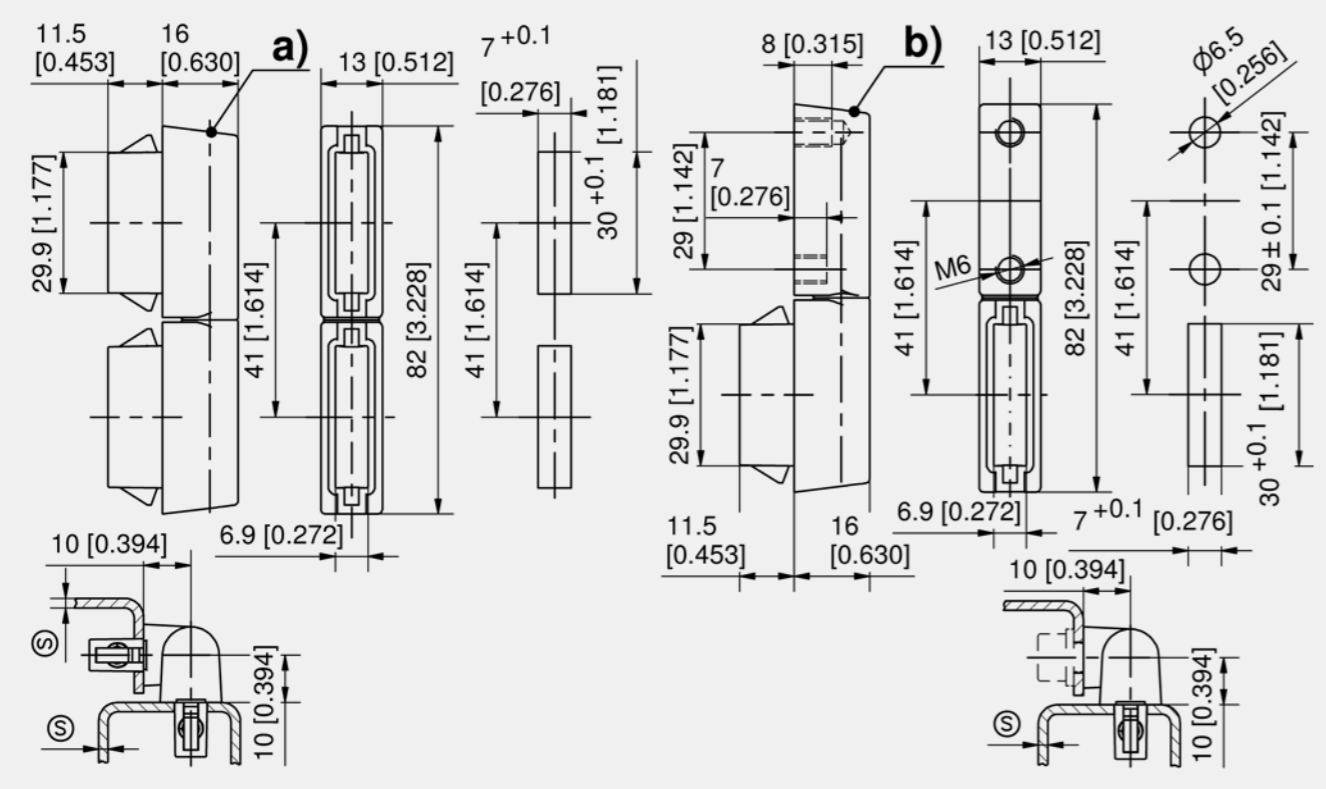
- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Lift-off.
- IP65 according to DIN EN 60529.
- **Version a)** for tool-less installation via a simple clip-in into the cutout.
- **Version b)** for screw-on / clip-in installation. One hinge half is fixed by screws M6, the other hinge half will be assembled via a simple clip-in into the cutout.

**Materials**

- **Hinge:** zinc die, matt black
- **Nickel plated and chrome plated on request.**
- **Pin:** stainless steel
- **Snap wedges:** sintered steel

**Remarks**

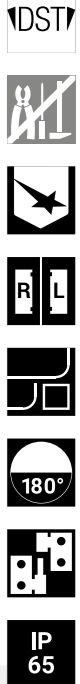
Other versions DST/screw-on on request. Please contact DIRAK.



Corner hinge

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
a)	417-9015.00-00012	0.8 - 1.5 mm	pressed in	tool-less	10 pcs.
a)	417-9015.00-00016	1.3 - 2.0 mm	pressed in	tool-less	10 pcs.
a)	417-9015.00-00019	1.5 - 2.2 mm	pressed in	tool-less	10 pcs.
a)	417-9015.00-00026	2.3 - 3.0 mm	pressed in	tool-less	10 pcs.
b)	417-9017.00-00012	0.8 - 1.5 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9017.00-00016	1.3 - 2.0 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9017.00-00019	1.5 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9017.00-00026	2.3 - 3.0 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
764	292-0306.80-02530 <b>Tool for uninstallation</b>
762	292-0401.00-03007 <b>Cutout-cover</b>
763	292-0702.15-01030 <b>Reinforcement plate for cutout</b>



**Advantages**

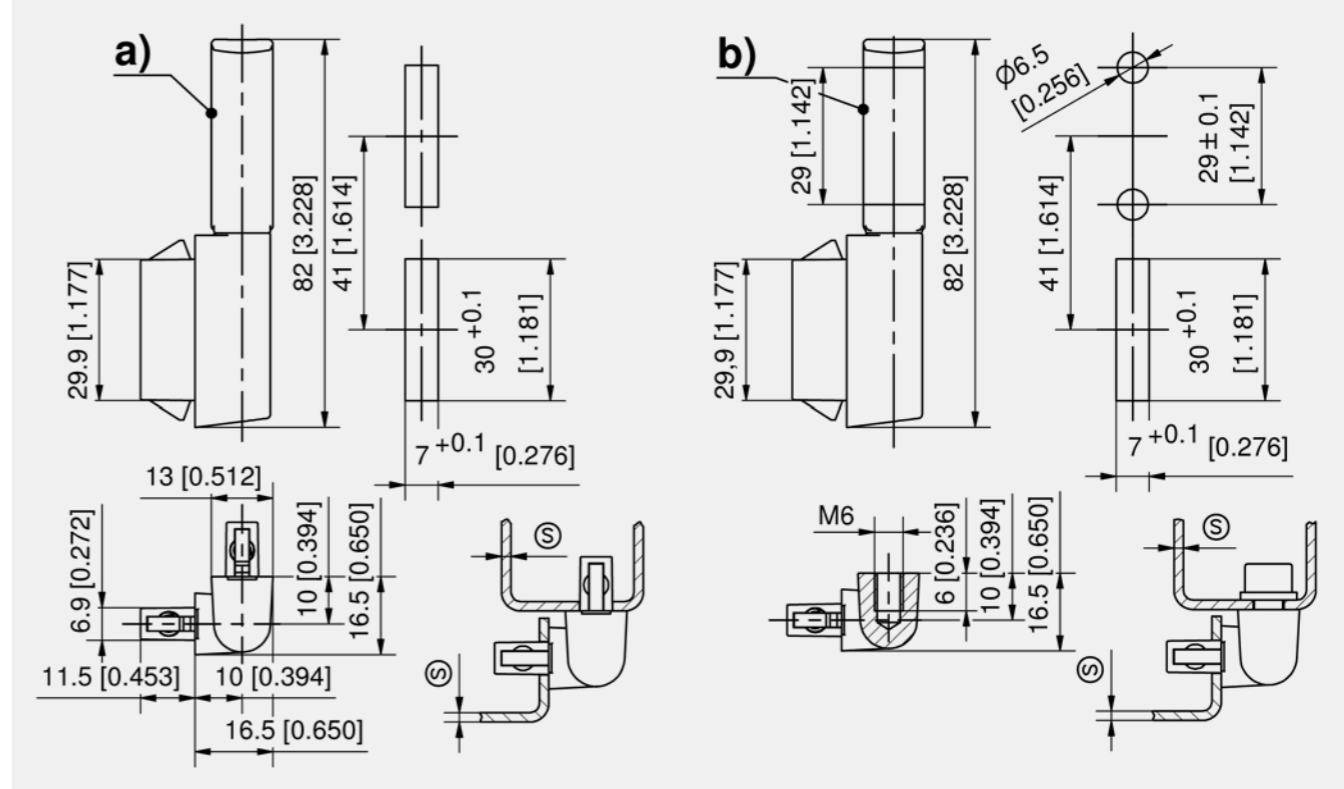
- Elegant corner hinge for surface mounted doors.
- Hinge visible.
- Lift-off.
- RH / LH application.
- 180° Opening angle.
- IP65 according to DIN EN 60529.
- **Version a)** for tool-less installation. Assembly via a simple clip-in into the cutout.
- **Version b)** for screw-on / clip-in installation. One hinge half is fixed by screws M6, the other hinge half will be assembled via a simple clip-in into the cutout.

**Materials**

- **Corner hinge:** AISI 316
- **Pin:** AISI 303
- **Snap wedges:** stainless steel
- **O-ring:** NBR/ black

**Remarks**

Other versions DST/screw-on on request. Please contact DIRAK.



Corner hinge

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
a)	417-9015.82-00012	0.8 - 1.5 mm	pressed in	tool-less	10 pcs.
a)	417-9015.82-00016	1.3 - 2.0 mm	pressed in	tool-less	10 pcs.
a)	417-9015.82-00021	1.8 - 2.5 mm	pressed in	tool-less	10 pcs.
a)	417-9015.82-00026	2.3 - 3.0 mm	pressed in	tool-less	10 pcs.
b)	417-9017.82-00012	0.8 - 1.5 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9017.82-00016	1.3 - 2.0 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9017.82-00021	1.8 - 2.5 mm	pressed in	tool-less / screw-on	10 pcs.
b)	417-9017.82-00026	2.3 - 3.0 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
764	292-0306.80-02530 <b>Tool for uninstallation</b>
762	292-0401.00-03007 <b>Cutout-cover</b>
763	292-0702.15-01030 <b>Reinforcement plate for cutout</b>







**Advantages**

- For surface mounted doors.
- Hinge visible.,
- RH / LH application.
- 180° Opening angle also for adjacent cabinets.
- Door is lift-off.

**Materials**

- **Hinge-parts:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel



**Advantages**

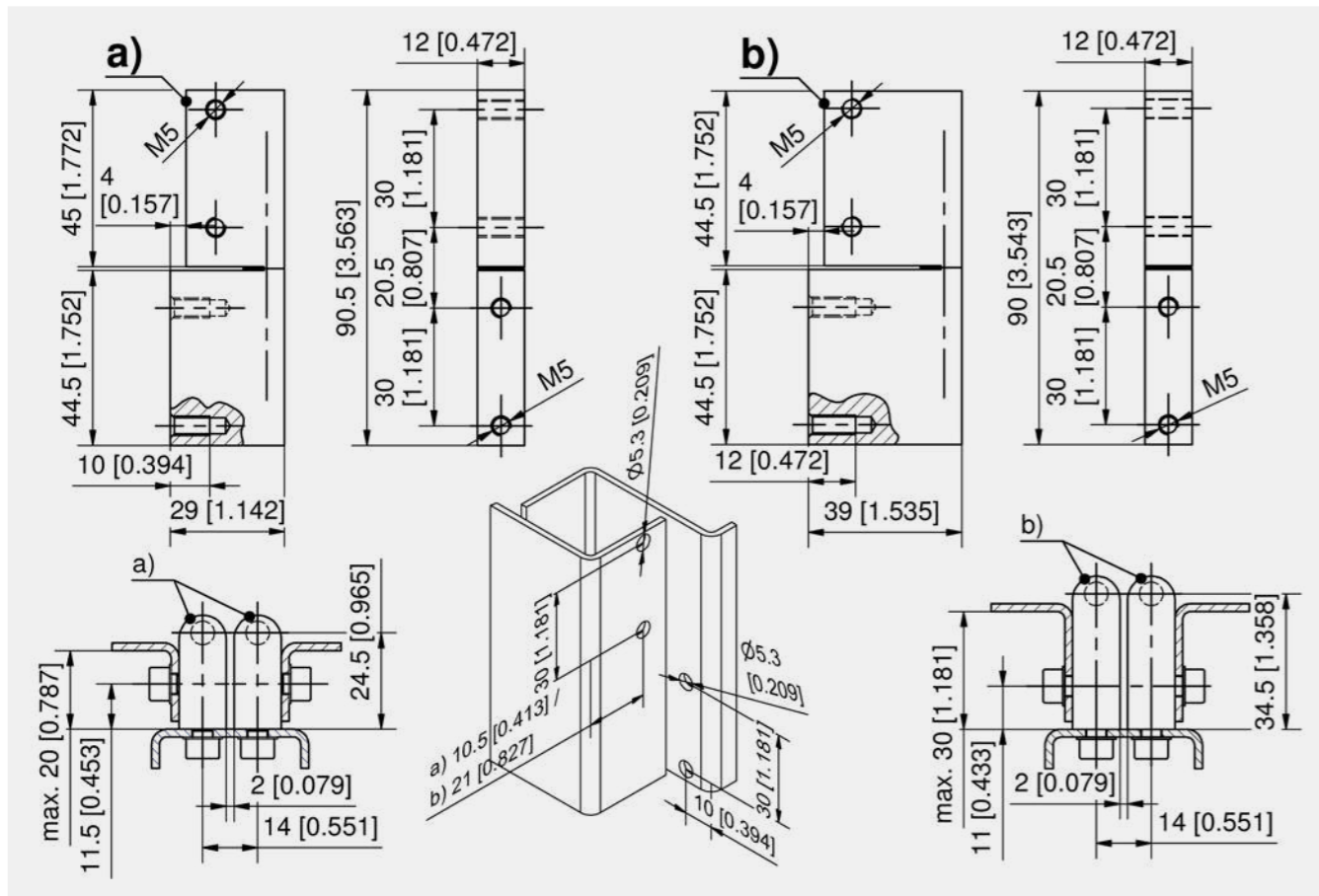
- For surface mounted doors.
- Hinge visible.
- Lift-off.
- RH / LH application.
- 180° Opening angle.
- Pin pressed-in.
- With teflon spacer for a durable, smooth-running functional reliability.

**Materials**

- **Hinge:** zinc die, glossy chrome plated, black powdered or untreated
- **Pin:** steel, zinc plated
- **Spacer:** teflon

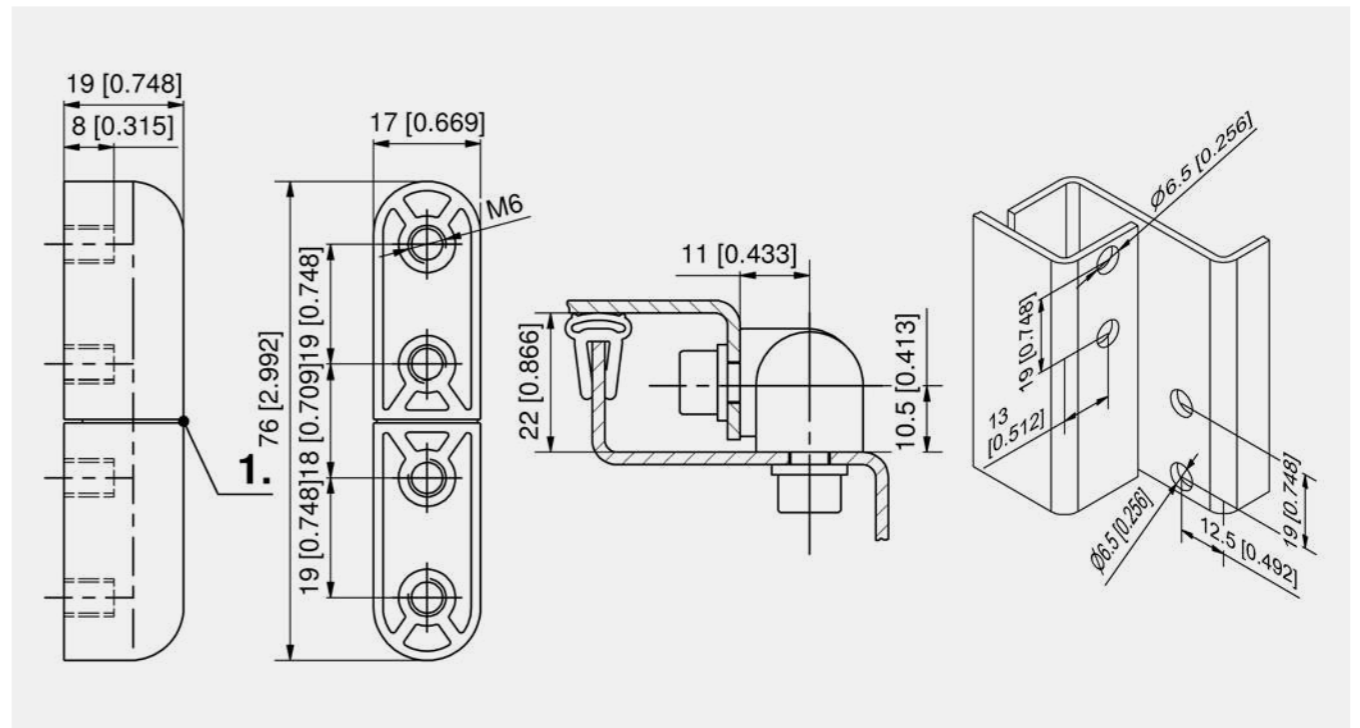
**Remarks**

1. spacer



Corner hinge, zinc die

	Part Number	Surface	Height frame-part	Height door-part	for bending	Pin version	Installation type	Delivery Unit
a)	210-9001.00-00000	black	25 mm	29 mm	max. 20mm	pressed in	screw-on	10 pcs.
a)	210-9002.00-00000	blasted chrome plated	25 mm	29 mm	max. 20mm	pressed in	screw-on	10 pcs.
b)	210-9003.00-00000	black	35 mm	39 mm	max. 30mm	pressed in	screw-on	10 pcs.



Corner hinge, zinc die

Part Number	Surface	Pin version	Installation type	Delivery Unit
224-9009.00-00000	glossy chrome plated	pressed in	screw-on	10 pcs.
224-9010.00-00000	black	pressed in	screw-on	10 pcs.
224-9011.00-00000	untreated	pressed in	screw-on	10 pcs.





**Advantages**

- Welded-on corner hinge.
- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Lift-off.

**Materials**

- Hinge and pin: steel, untreated

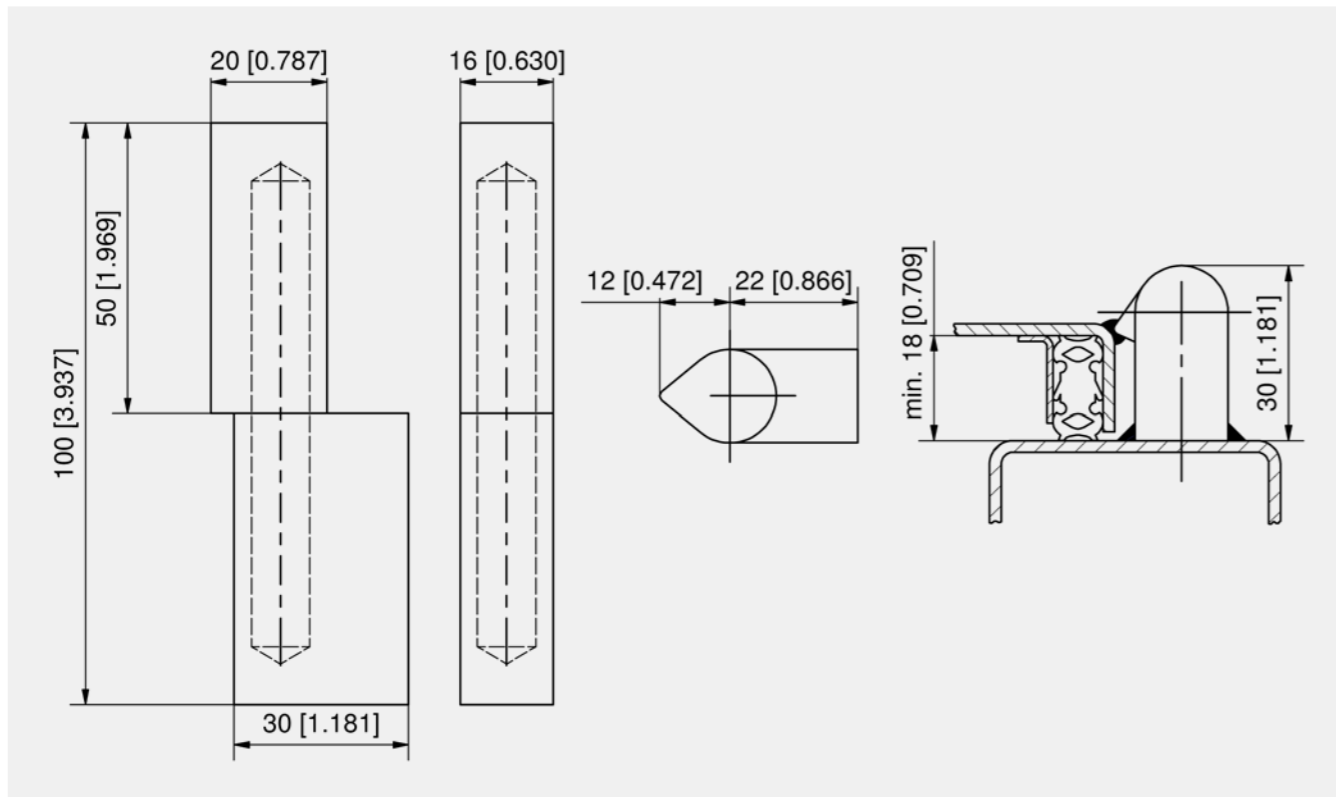


**Advantages**

- Hinge made from round, stainless steel rod or with drop-shape.
- For surface-mounted doors.
- Hinge visible.
- 180° Opening angle.
- Lift-off.

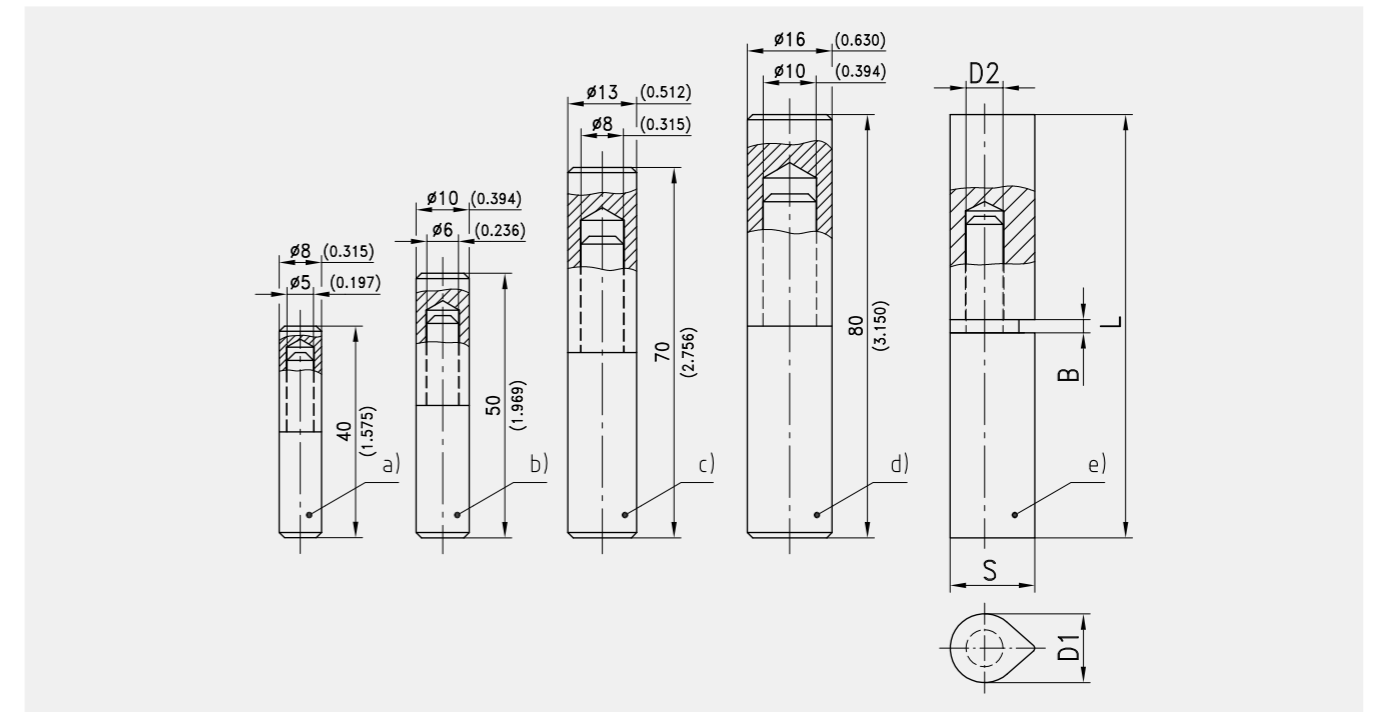
**Materials**

- Hinge: AISI 304
- a) - d)
- Pin and washer: AISI 304
- e)
- Pin and washer: AISI 303



Corner hinge

Part Number	Pin version	Installation type	Delivery Unit
223-9501.00-00000	loose	weld-on	6 pcs.



Corner hinge

	Part Number	Dimension	Pin version	Installation type	Delivery Unit
a)	223-9401.00-00000	Ø8 x 40	cast-on	weld-on	10 pcs.
b)	223-9402.00-00000	Ø10 x 50	cast-on	weld-on	10 pcs.
c)	223-9403.00-00000	Ø13 x 70	cast-on	weld-on	10 pcs.
d)	223-9404.00-00000	Ø16 x 80	cast-on	weld-on	10 pcs.

Corner hinge with weld-on drop

	Part Number	L	D1	S	B	D2	Pin version	Installation type	Delivery Unit
e)	223-9601.00-00000	60 mm	10 mm	12.4 mm	2 mm	6 mm	pressed in	weld-on	10 pcs.
e)	223-9602.00-00000	80 mm	13 mm	16 mm	2.5 mm	7 mm	pressed in	weld-on	10 pcs.
e)	223-9603.00-00000	100 mm	16 mm	20 mm	3 mm	9 mm	pressed in	weld-on	10 pcs.
e)	223-9604.00-00000	120 mm	16 mm	20 mm	3 mm	9 mm	pressed in	weld-on	10 pcs.





**Advantages**

- Corner hinge for electro-welding.
- Profile with pointed arch and weld-on nose.
- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Lift-off.

**Materials**

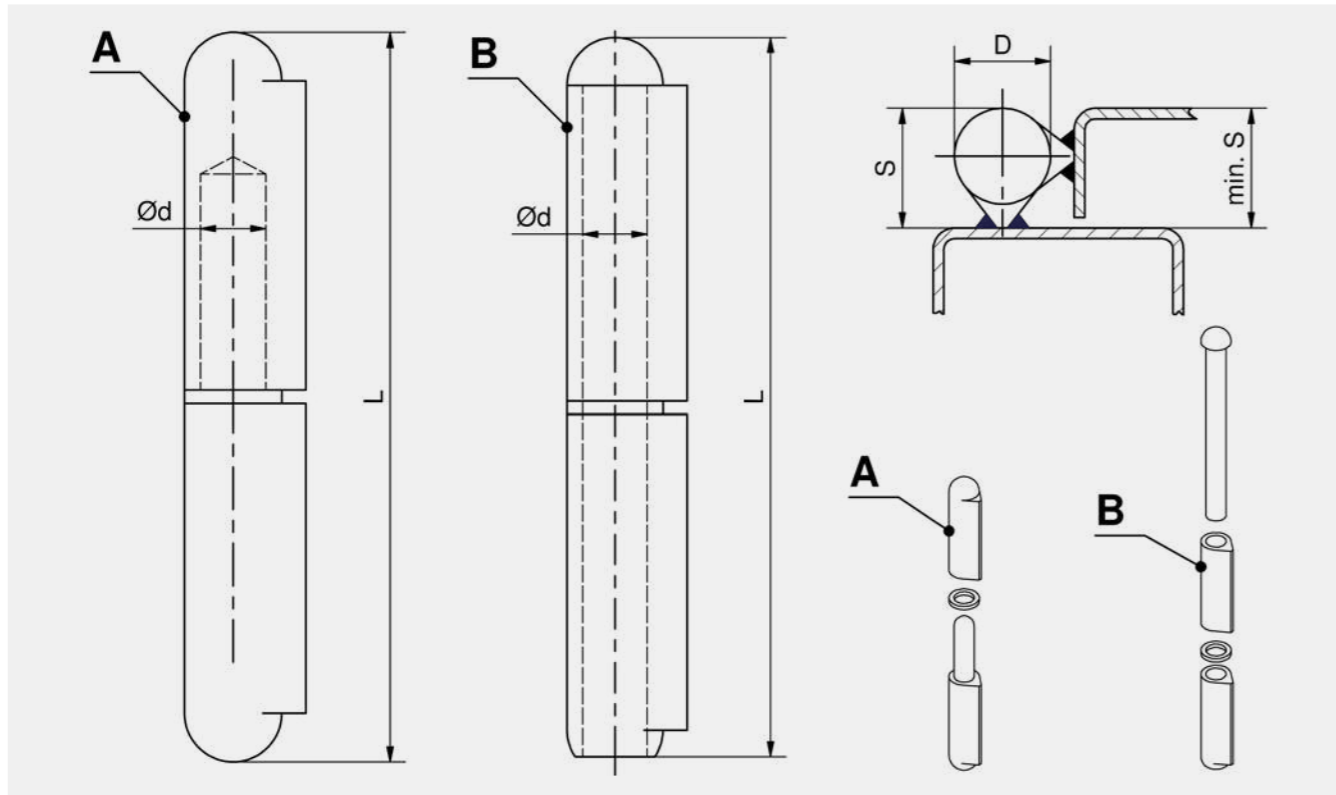
- **Hinge-parts:** steel, untreated
- **Pin:** steel or brass
- **Washer:** brass

Corner hinge, version A with fixed pin

Part Number	Length	Dimension S	Ø Knurl D	Material pin	Pin version	Ø Pin d	Installation type	Delivery Unit
223-9001.00-00000	40 mm	10 mm	8 mm	steel	fixed	5 mm	weld-on	10 pcs.
223-9002.00-00000	50 mm	10 mm	8 mm	steel	fixed	5 mm	weld-on	10 pcs.
223-9003.00-00000	60 mm	12 mm	10 mm	steel	fixed	6 mm	weld-on	10 pcs.
223-9004.00-00000	70 mm	12 mm	10 mm	steel	fixed	6 mm	weld-on	10 pcs.
223-9005.00-00000	80 mm	16 mm	13 mm	steel	fixed	8 mm	weld-on	10 pcs.
223-9006.00-00000	90 mm	16 mm	13 mm	steel	fixed	8 mm	weld-on	10 pcs.
223-9007.00-00000	100 mm	20 mm	16 mm	steel	fixed	10 mm	weld-on	10 pcs.
223-9008.00-00000	120 mm	20 mm	16 mm	steel	fixed	10 mm	weld-on	10 pcs.
223-9009.00-00000	135 mm	22.5 mm	18 mm	steel	fixed	12 mm	weld-on	10 pcs.
223-9010.00-00000	150 mm	25.5 mm	20 mm	steel	fixed	13 mm	weld-on	10 pcs.
223-9011.00-00000	180 mm	25.5 mm	20 mm	steel	fixed	13 mm	weld-on	10 pcs.
223-9012.00-00000	200 mm	29 mm	23 mm	steel	fixed	16 mm	weld-on	10 pcs.
223-9101.00-00000	40 mm	10 mm	8 mm	brass	fixed	5 mm	weld-on	10 pcs.
223-9102.00-00000	50 mm	10 mm	8 mm	brass	fixed	5 mm	weld-on	10 pcs.
223-9103.00-00000	60 mm	12 mm	10 mm	brass	fixed	6 mm	weld-on	10 pcs.
223-9104.00-00000	70 mm	12 mm	10 mm	brass	fixed	6 mm	weld-on	10 pcs.
223-9105.00-00000	80 mm	16 mm	13 mm	brass	fixed	8 mm	weld-on	10 pcs.
223-9106.00-00000	90 mm	16 mm	13 mm	brass	fixed	8 mm	weld-on	10 pcs.
223-9107.00-00000	100 mm	20 mm	16 mm	brass	fixed	10 mm	weld-on	10 pcs.
223-9108.00-00000	120 mm	20 mm	16 mm	brass	fixed	10 mm	weld-on	10 pcs.
223-9109.00-00000	135 mm	22.5 mm	18 mm	brass	fixed	12 mm	weld-on	10 pcs.
223-9110.00-00000	150 mm	25.5 mm	20 mm	brass	fixed	13 mm	weld-on	10 pcs.
223-9111.00-00000	180 mm	25.5 mm	20 mm	brass	fixed	13 mm	weld-on	10 pcs.
223-9112.00-00000	200 mm	29 mm	23 mm	brass	fixed	16 mm	weld-on	10 pcs.

Corner hinge, version B with loose pin

Part Number	Length	Dimension S	Ø Knurl D	Material pin	Pin version	Ø Pin d	Installation type	Delivery Unit
223-9201.00-00000	40 mm	10 mm	8 mm	steel	loose	5 mm	weld-on	10 pcs.
223-9202.00-00000	50 mm	10 mm	8 mm	steel	loose	5 mm	weld-on	10 pcs.
223-9203.00-00000	60 mm	12 mm	10 mm	steel	loose	6 mm	weld-on	10 pcs.
223-9204.00-00000	70 mm	12 mm	10 mm	steel	loose	6 mm	weld-on	10 pcs.
223-9205.00-00000	80 mm	16 mm	13 mm	steel	loose	8 mm	weld-on	10 pcs.
223-9206.00-00000	90 mm	16 mm	13 mm	steel	loose	8 mm	weld-on	10 pcs.
223-9207.00-00000	100 mm	20 mm	16 mm	steel	loose	10 mm	weld-on	10 pcs.
223-9208.00-00000	120 mm	20 mm	16 mm	steel	loose	10 mm	weld-on	10 pcs.
223-9209.00-00000	135 mm	22.5 mm	18 mm	steel	loose	12 mm	weld-on	10 pcs.
223-9210.00-00000	150 mm	25.5 mm	20 mm	steel	loose	13 mm	weld-on	10 pcs.
223-9211.00-00000	180 mm	25.5 mm	20 mm	steel	loose	13 mm	weld-on	10 pcs.
223-9212.00-00000	200 mm	29 mm	23 mm	steel	loose	16 mm	weld-on	10 pcs.
223-9301.00-00000	40 mm	10 mm	8 mm	brass	loose	5 mm	weld-on	10 pcs.
223-9302.00-00000	50 mm	10 mm	8 mm	brass	loose	5 mm	weld-on	10 pcs.
223-9303.00-00000	60 mm	12 mm	10 mm	brass	loose	6 mm	weld-on	10 pcs.
223-9304.00-00000	70 mm	12 mm	10 mm	brass	loose	6 mm	weld-on	10 pcs.
223-9305.00-00000	80 mm	16 mm	13 mm	brass	loose	8 mm	weld-on	10 pcs.
223-9307.00-00000	100 mm	20 mm	16 mm	brass	loose	10 mm	weld-on	10 pcs.
223-9308.00-00000	120 mm	20 mm	16 mm	brass	loose	10 mm	weld-on	10 pcs.
223-9309.00-00000	135 mm	22.5 mm	18 mm	brass	loose	12 mm	weld-on	10 pcs.
223-9310.00-00000	150 mm	25.5 mm	20 mm	brass	loose	13 mm	weld-on	10 pcs.







**Advantages**

- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Screw-on.
- With PA bushings.
- The 2 upper examples of applications show the asymmetric layout of the door-part (2).
- This layout allows for a wide variety of door bendings.
- The knurled pin can be replaced by a pin with 2 c-clips see product system 4-330.

**Materials**

- **Frame- and middle-part:** zinc die, blasted chrome plated or black
- **Pin:** stainless steel
- **Bushing:** PA, natural

**Remarks**

- Delivery unassembled
- 1. bushing



**Advantages**

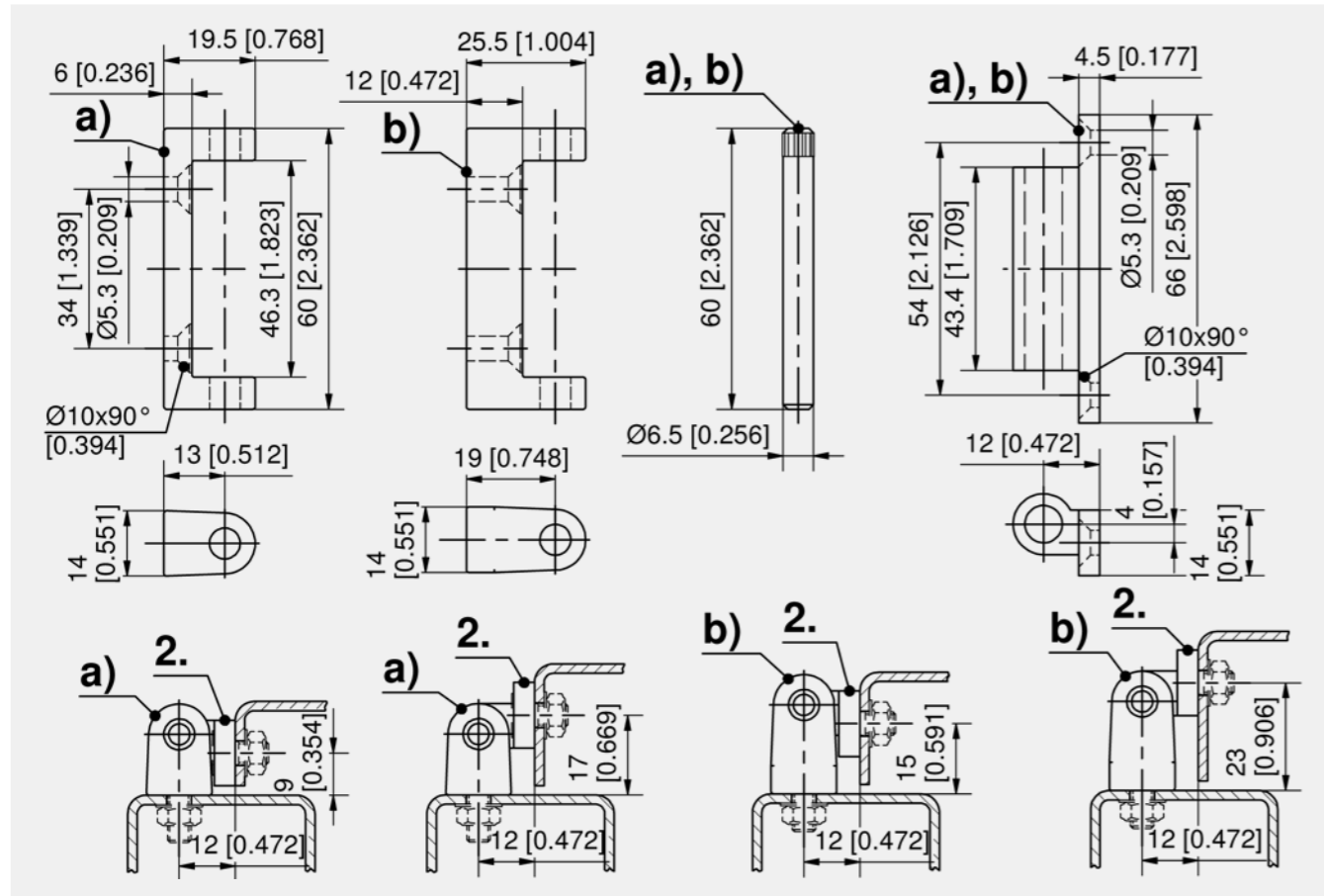
- Hinge to be welded in door slot.
- For surface mounted doors.
- Hinge visible.
- RH / LH application.
- 180° Opening angle.
- Frame-part screw-on.
- Door-part weld-on.

**Materials**

- **Door-part:** steel, untreated
- **Pin and frame-parts:** steel, zinc plated

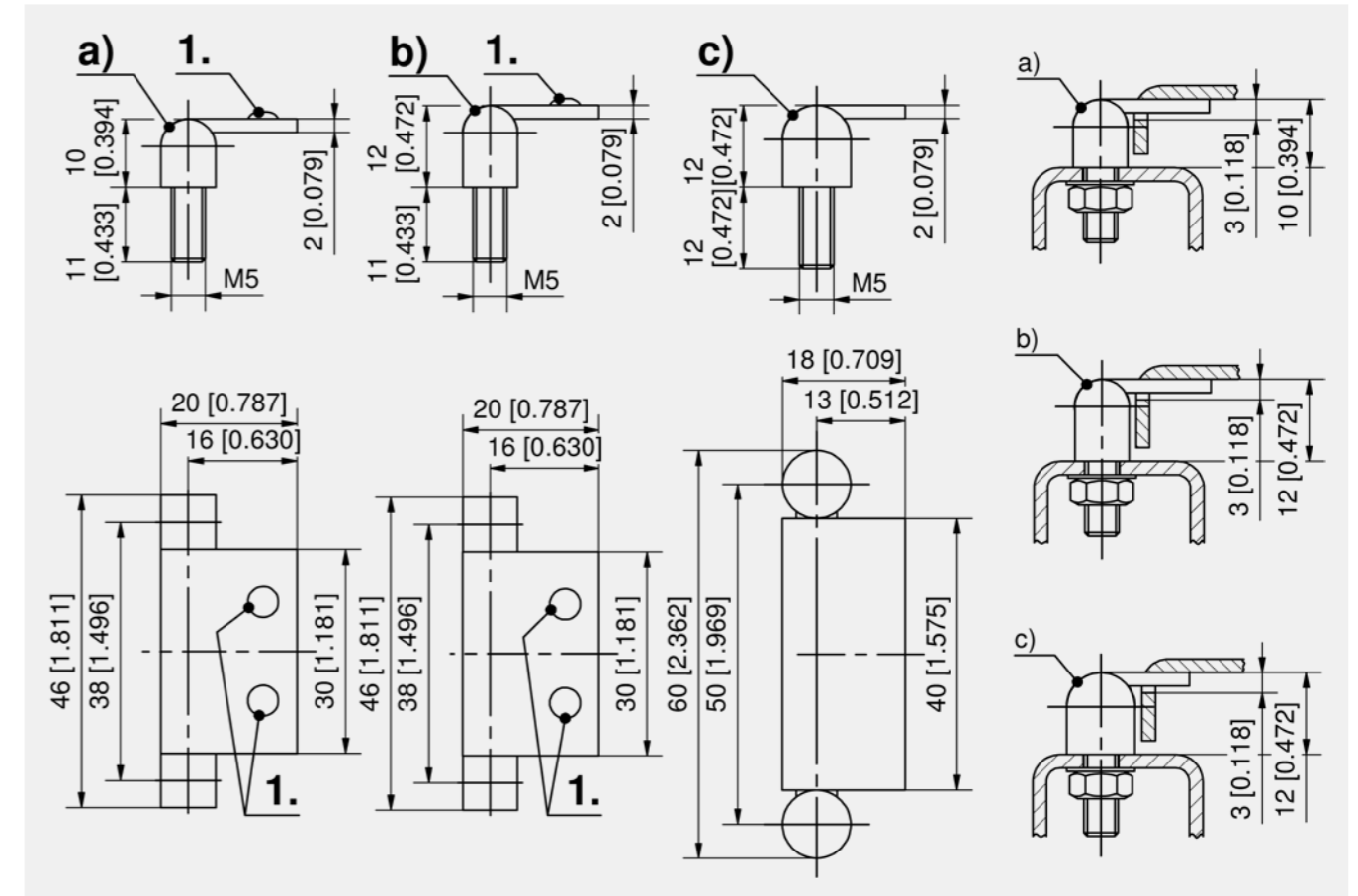
**Remarks**

- 1. version a) and b) with spot weld stubs 0.8mm high.



Corner hinge, zinc die

	Part Number	Surface frame-part	Frame-part	Pin version	Installation type	Delivery Unit
a)	217-9301.00-00000	blasted chrome plated	normal	pressed in	screw-on	10 pcs.
b)	217-9303.00-00000	blasted chrome plated	raised	pressed in	screw-on	10 pcs.
a)	217-9302.00-00000	black	normal	pressed in	screw-on	10 pcs.
b)	217-9304.00-00000	black	raised	pressed in	screw-on	10 pcs.



Corner hinge

	Part Number	Height H	Door-part with spot weld stubs	Pin version	Installation type frame-part	Installation type door-part	Delivery Unit
a)	240-9201.00-00000	10 mm	Yes	loose	screw-on	weld-on	10 pcs.
b)	240-9202.00-00000	12 mm	Yes	loose	screw-on	weld-on	10 pcs.
c)	240-9002.00-00000	12 mm	loose	loose	screw-on	weld-on	10 pcs.





**Advantages**

- Hinge with DIRAK-SNAP-Technology.
- For surface mounted doors.
- Hinge visible.
- 180° Opening angle.
- Lift-off.
- RH / LH application.
- The installation is tool-less by a simple push into the appropriate cutout.
- To guarantee a correct positional installation, the cutouts can have indentations.

**Materials**

- **Hinge-parts:** zinc die, matte chrome plated
- **Other surfaces on request**
- **Pin:** steel, zinc plated
- **Snap wedges:** sintered steel

**Remarks**

1. alternative cutout
2. indentation for correct positional installation

**Advantages**

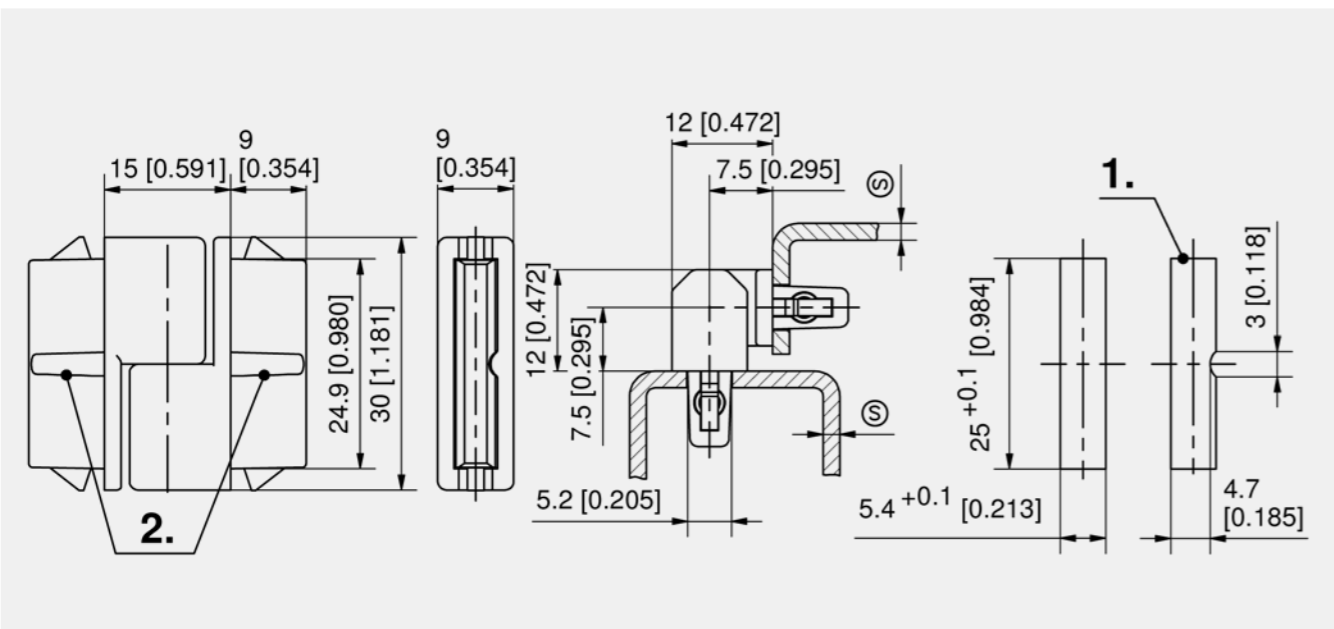
- 180° Polyamide hinge with self-locking POM pin used to control cabinet doors or machine flaps.
- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 16mm.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Frame- and door-part:** PA, black
- **Pin:** POM natural

**Remarks**

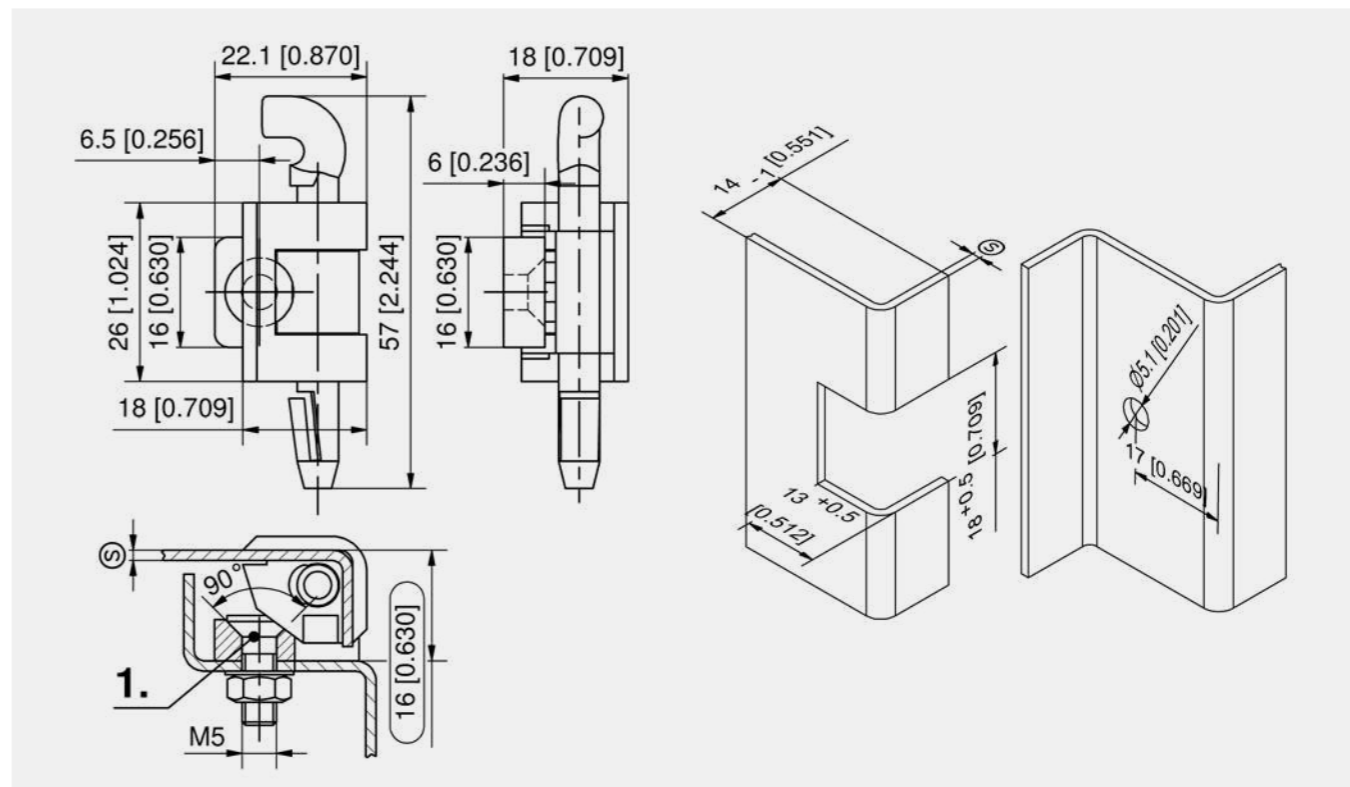
1. mounting with countersunk screw M5 or blind rivet Ø5



Corner hinge, snap-in

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
417-9201.00-00609	0.6 - 0.9 mm	pressed in	tool-less	10 pcs.
417-9201.00-00811	0.8 - 1.1 mm	pressed in	tool-less	10 pcs.
417-9201.00-01215	1.2 - 1.5 mm	pressed in	tool-less	10 pcs.
417-9201.00-01821	1.8 - 2.1 mm	pressed in	tool-less	10 pcs.
417-9201.00-02225	2.2 - 2.5 mm	pressed in	tool-less	10 pcs.

Accessories	
+	764 292-0306.80-02530 Tool for uninstallation



Hinge

Part Number	Door-thickness (S)	Pin version	Installation type	Delivery Unit
212-9103.00-00000	1 - 1.25 mm	self-locking	screw-on	50 pcs.
212-9101.00-00000	1.5 - 2 mm	self-locking	screw-on	50 pcs.





**Advantages**

- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- The door-part has 2 stubs, keeping it in position during mounting of the pin.

**Materials**

- **Frame- and door-part:** zinc die, glossy chrome plated or black
- **Pins:** steel, zinc plated, stainless steel or POM natural

**Remarks**

This hinge is fully interchangeable with the hinge shown on product system 4-160.



**Advantages**

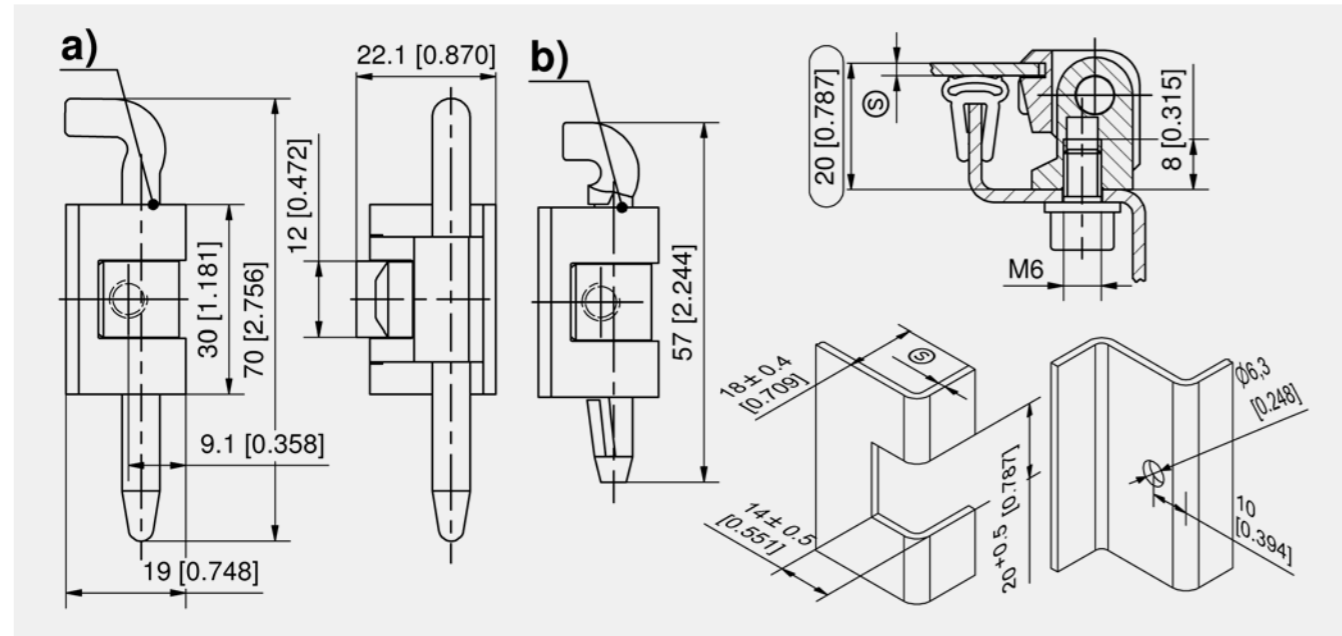
- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 16mm.
- RH / LH application.
- 180° Opening angle.
- The POM pin is self-locking.

**Materials**

- **Frame- and door-part:** AISI 316
- **Pin:** POM, natural or stainless steel

**Remarks**

1. fastening with countersunk screw M5 or blind rivet Ø5

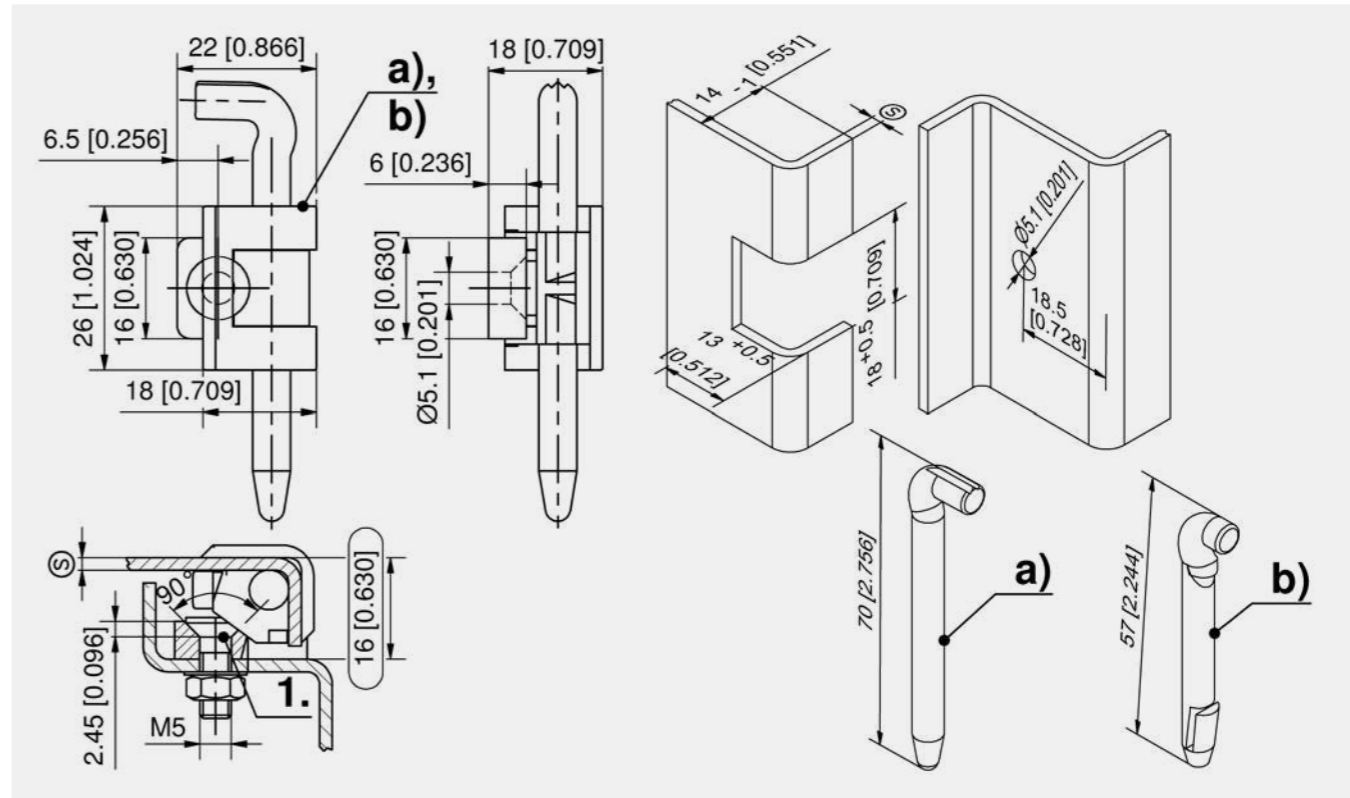


Hinge, zinc die

	Part Number	Surface	Door-thickness (S)	Material pin	Pin length L	Pin version	Installation type	Delivery Unit
a)	212-9001.00-00000	glossy chrome plated	1.5 - 2.0 mm	steel, zinc plated	70 mm	loose	screw-on	10 pcs.
a)	212-9002.00-00000	glossy chrome plated	1.5 - 2.0 mm	stainless steel	70 mm	loose	screw-on	10 pcs.
b)	212-9003.00-00000	glossy chrome plated	1.5 - 2.0 mm	POM	57 mm	self-locking	screw-on	10 pcs.
a)	212-9501.00-00000	glossy chrome plated	2.5 - 3.2 mm	steel, zinc plated	70 mm	loose	screw-on	10 pcs.
a)	212-9502.00-00000	glossy chrome plated	2.5 - 3.2 mm	stainless steel	70 mm	loose	screw-on	10 pcs.
b)	212-9503.00-00000	glossy chrome plated	2.5 - 3.2 mm	POM	57 mm	self-locking	screw-on	10 pcs.
a)	212-9004.00-00000	black	1.5 - 2.0 mm	steel, zinc plated	70 mm	loose	screw-on	10 pcs.
a)	212-9005.00-00000	black	1.5 - 2.0 mm	stainless steel	70 mm	loose	screw-on	10 pcs.
b)	212-9006.00-00000	black	1.5 - 2.0 mm	POM	57 mm	self-locking	screw-on	10 pcs.
a)	212-9504.00-00000	black	2.5 - 3.2 mm	steel, zinc plated	70 mm	loose	screw-on	10 pcs.
a)	212-9505.00-00000	black	2.5 - 3.2 mm	stainless steel	70 mm	loose	screw-on	10 pcs.
b)	212-9506.00-00000	black	2.5 - 3.2 mm	POM	57 mm	self-locking	screw-on	10 pcs.

**Accessories**

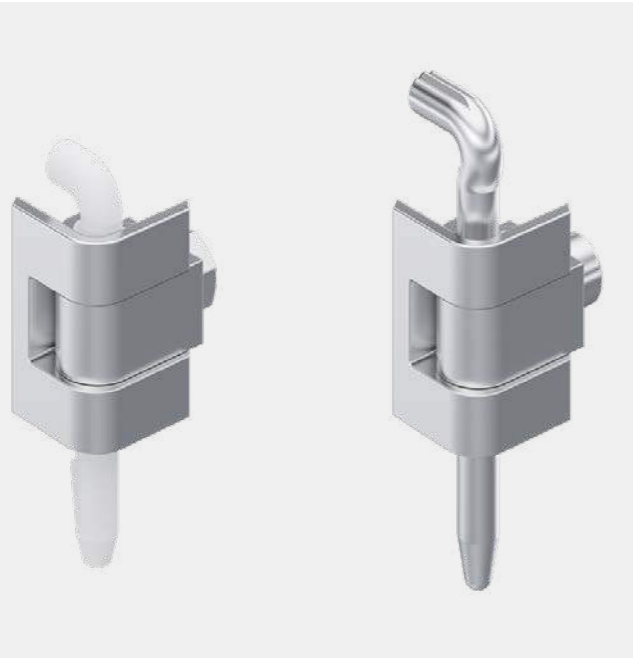
754 6-040 Serrated Screws



Hinge

	Part Number	Door-thickness (S)	Material pin	Pin version	Pin length L	Installation type	Delivery Unit
a)	212-9704.00-00000	1.5 mm	stainless steel	loose	70 mm	screw-on	10 pcs.
a)	212-9713.00-00000	2 mm	stainless steel	loose	70 mm	screw-on	10 pcs.
b)	212-9703.00-00000	2 mm	POM	self-locking	57 mm	screw-on	10 pcs.





**Advantages**

- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- The POM pin is self-locking.

**Materials**

- **Hinge-parts:** AISI 316
- **Pin:** POM, natural or stainless steel

**Remarks**

(S) Door-thickness 1.5 - 2mm

**Installation accessories:**

1. screws M6x12 and serrated washer
2. stud M6x16, Nut M6 and serrated washer



**Advantages**

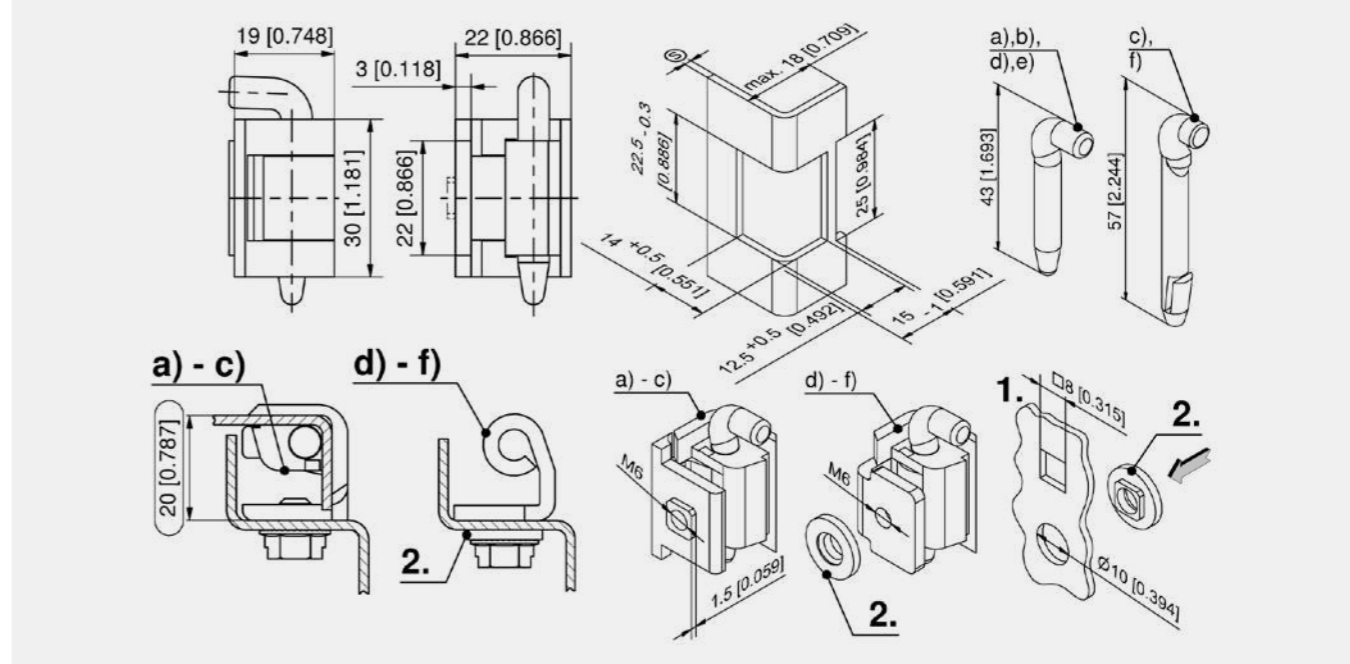
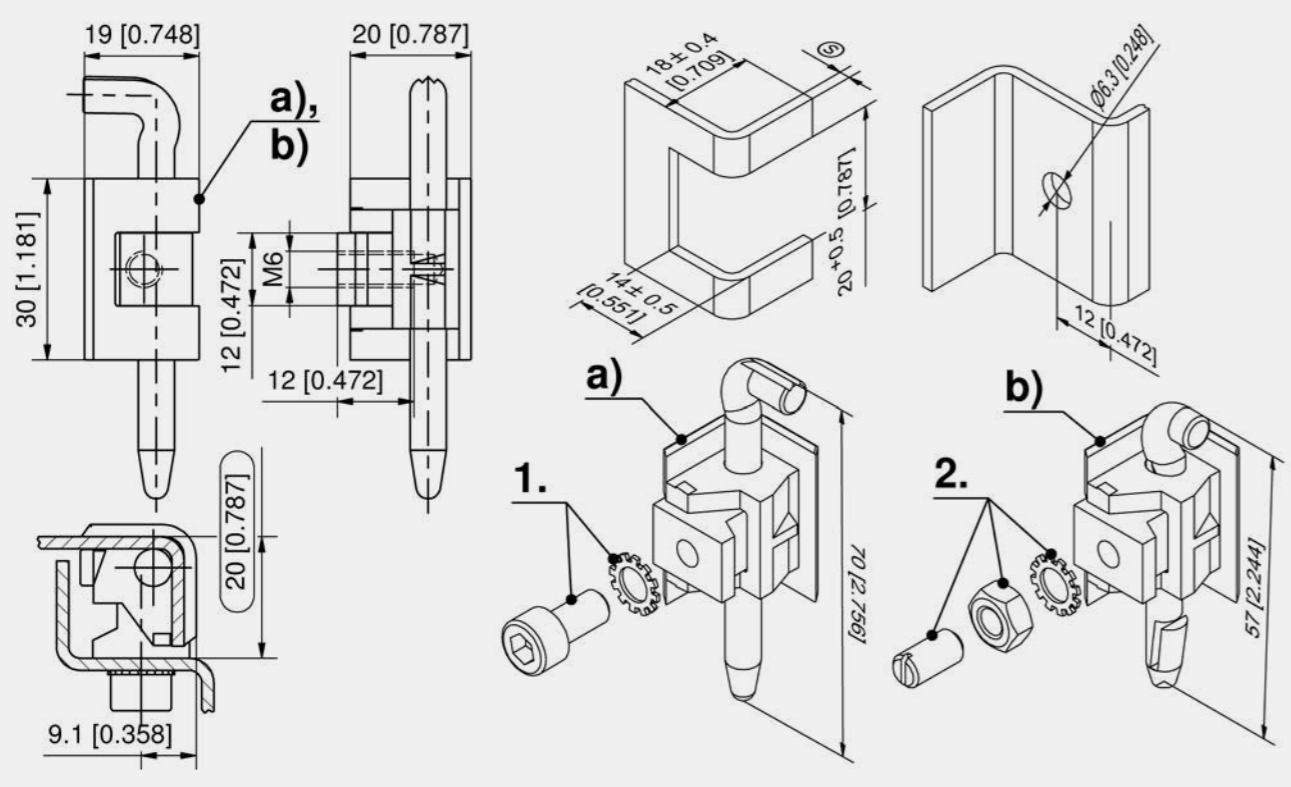
- For surface mounted door for single cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- Frame-part in the zinc die version with M6 threaded stubs for fastening from inside.
- Frame-part made of steel for heavy applications!

**Materials**

- **Frame-part:** zinc die, glossy chrome plated, black or steel, black
- **Fastening washer:** steel, zinc plated
- **Door-part:** zinc die, glossy chrome plated or black
- **Pin:** steel, stainless steel or POM

**Remarks**

- (s) Door-thickness 1.5 - 2 mm
1. installation instruction for fastening washer
  2. fastening washer



Hinge

	Part Number	Material pin	Pin length L	Pin version	Installation accessories	Installation type	Delivery Unit
a)	212-9201.00-00000	stainless steel	70 mm	loose	Yes	screw-on	10 pcs.
a)	212-9203.00-00000	stainless steel	70 mm	loose	No	screw-on	10 pcs.
b)	212-9202.00-00000	POM	57 mm	self-locking	Yes	screw-on	10 pcs.
b)	212-9204.00-00000	POM	57 mm	self-locking	No	screw-on	10 pcs.

Hinge, zinc die

	Part Number	Surface	Version	Material pin	Pin length L	Pin version	Installation type	Delivery Unit
a)	212-9056.00-00000	glossy chrome plated	with M6 threaded stubs	steel, zinc plated	43 mm	loose	screw-on	10 pcs.
b)	212-9057.00-00000	glossy chrome plated	with M6 threaded stubs	stainless steel	43 mm	loose	screw-on	10 pcs.
c)	212-9058.00-00000	glossy chrome plated	with M6 threaded stubs	POM	57 mm	self-locking	screw-on	10 pcs.
a)	212-9059.00-00000	black	with M6 threaded stubs	steel, zinc plated	43 mm	loose	screw-on	10 pcs.
b)	212-9060.00-00000	black	with M6 threaded stubs	stainless steel	43 mm	loose	screw-on	10 pcs.
c)	212-9061.00-00000	black	with M6 threaded stubs	POM	57 mm	self-locking	screw-on	10 pcs.

Hinge, frame-part steel, door-part zinc die

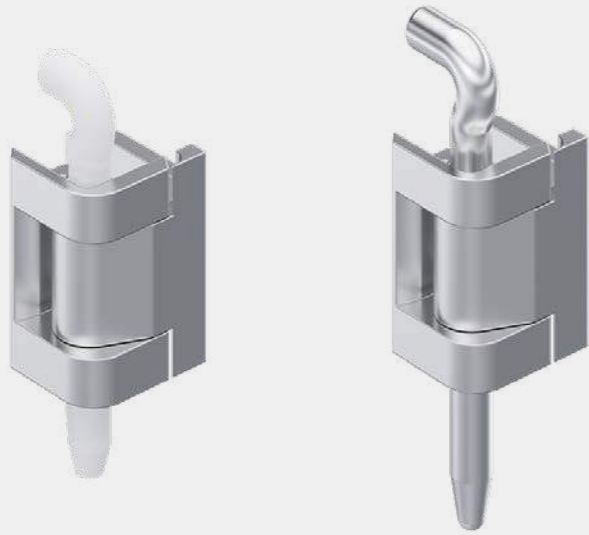
	Part Number	Surface	Version	Material pin	Pin length L	Pin version	Installation type	Delivery Unit
d)	212-9062.00-00000	black	with fastening washer	steel, zinc plated	43 mm	loose	screw-on	10 pcs.
e)	212-9063.00-00000	black	with fastening washer	stainless steel	43 mm	loose	screw-on	10 pcs.
f)	212-9064.00-00000	black	with fastening washer	POM	57 mm	self-locking	screw-on	10 pcs.

**Accessories**

754 6-040 Serrated Screws







**Advantages**

- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 20mm (closed cutout provides a stronger bending).
- RH / LH application.
- 180° Opening angle.
- Frame-part with M6 threaded stub for installation from inside.
- The POM pin is self-locking.

**Materials**

- **Door- and frame-part:** AISI 316
- **Pin:** stainless steel or POM



**Advantages**

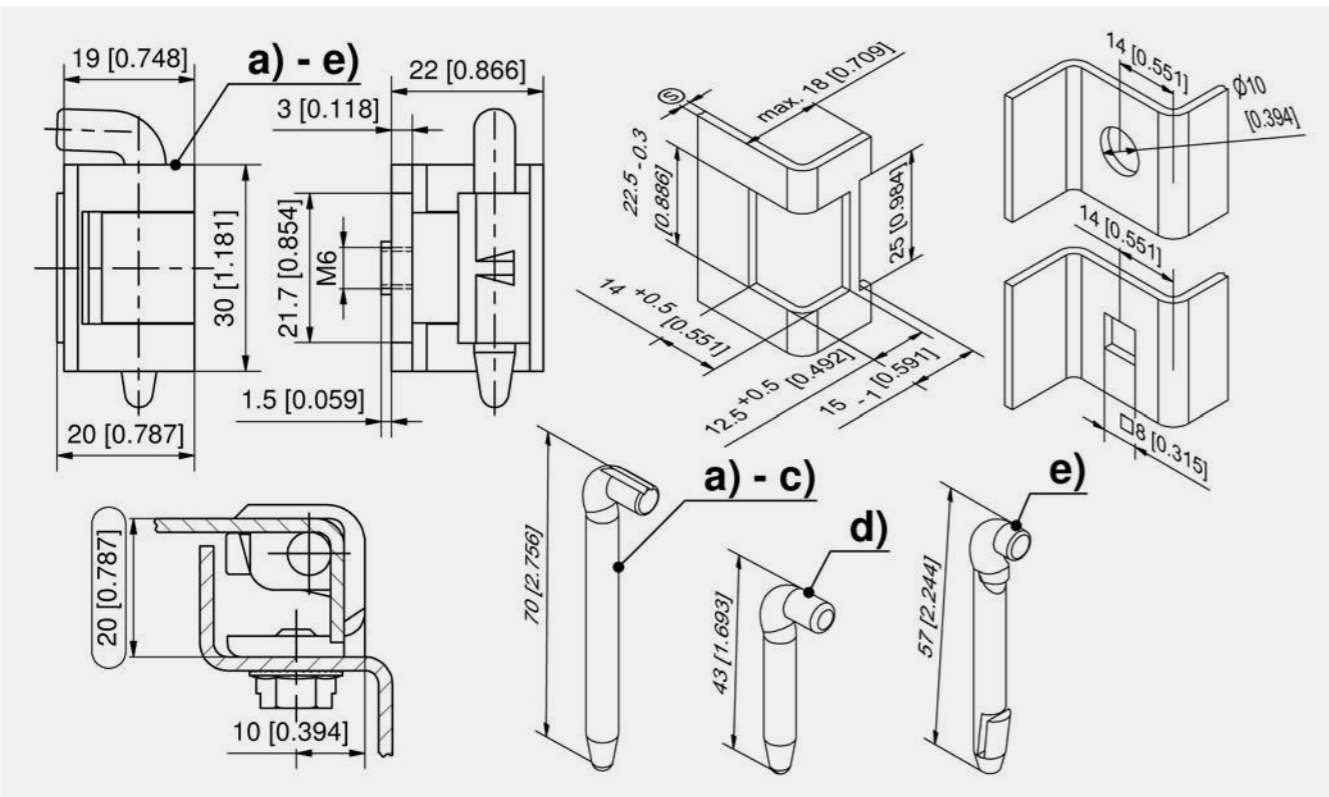
- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- Lift-off.
- Installation of the frame-part by simple tool-less push into the cutout.
- IP65 according to DIN EN 60529 (optional).

**Materials**

- **Frame- and door-part:** zinc die, matte black
- **Pin:** steel, zinc plated, AISI 304 or POM
- **Snap wedges:** sintered steel, zinc plated

**Remarks**

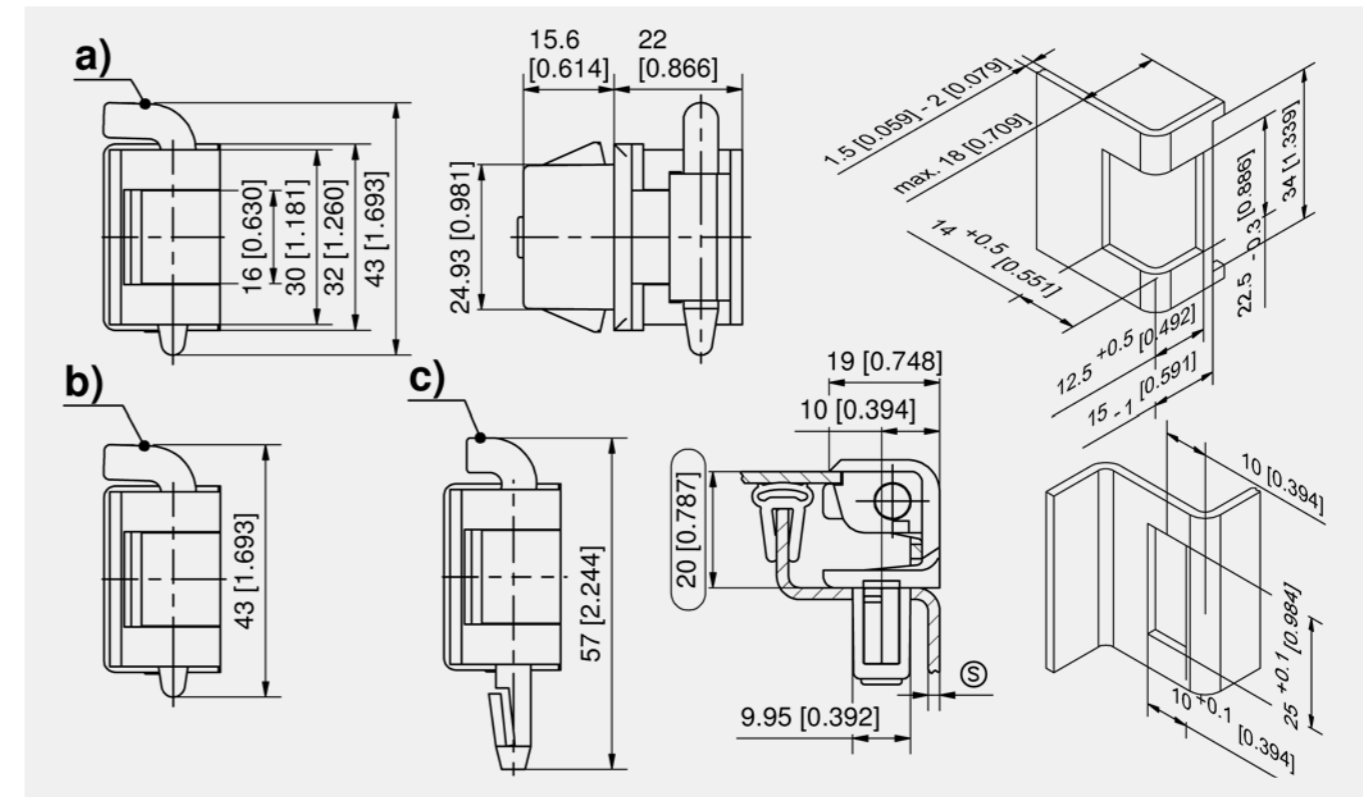
For light applications only!



Hinge

	Part Number	Door-thickness (S)	Material pin	Pin length L	Pin version	Installation type	Delivery Unit
a)	212-9707.00-00000	1.5 mm	AISI 301	70 mm	loose	screw-on	10 pcs.
b)	212-9716.00-00000	1.5 mm	AISI 316	70 mm	loose	screw-on	10 pcs.
c)	212-9714.00-00000	2 mm	AISI 316	70 mm	loose	screw-on	10 pcs.
d)	212-9705.00-00000	2 mm	AISI 304	43 mm	loose	screw-on	10 pcs.
e)	212-9706.00-00000	2 mm	POM	57 mm	self-locking	screw-on	10 pcs.

Accessories	
+	754 202-0606.04-00000 Serrated screw



Hinge

	Part Number	Clamping range (S)	Material pin	Pin length L	Pin version	Installation type	Delivery Unit
a)	412-9059.00-01217	1.2 - 1.7 mm	steel, zinc plated	43 mm	loose	tool-less	10 pcs.
a)	412-9059.00-01722	1.7 - 2.2 mm	steel, zinc plated	43 mm	loose	tool-less	10 pcs.
b)	412-9060.00-01217	1.2 - 1.7 mm	AISI 304	43 mm	loose	tool-less	10 pcs.
b)	412-9060.00-01722	1.7 - 2.2 mm	AISI 304	43 mm	loose	tool-less	10 pcs.
c)	412-9061.00-01217	1.2 - 1.7 mm	POM	57 mm	self-locking	tool-less	10 pcs.
c)	412-9061.00-01722	1.7 - 2.2 mm	POM	57 mm	self-locking	tool-less	10 pcs.

Accessories	
+	762 292-0403.06-07035 Cutout-cover
	762 292-0403.06-09005 Cutout-cover
	764 292-0306.80-02530 Tool for uninstallation

Function extension	
*	839-3770.40-02120 O-ring 21 x 2.0mm



DST

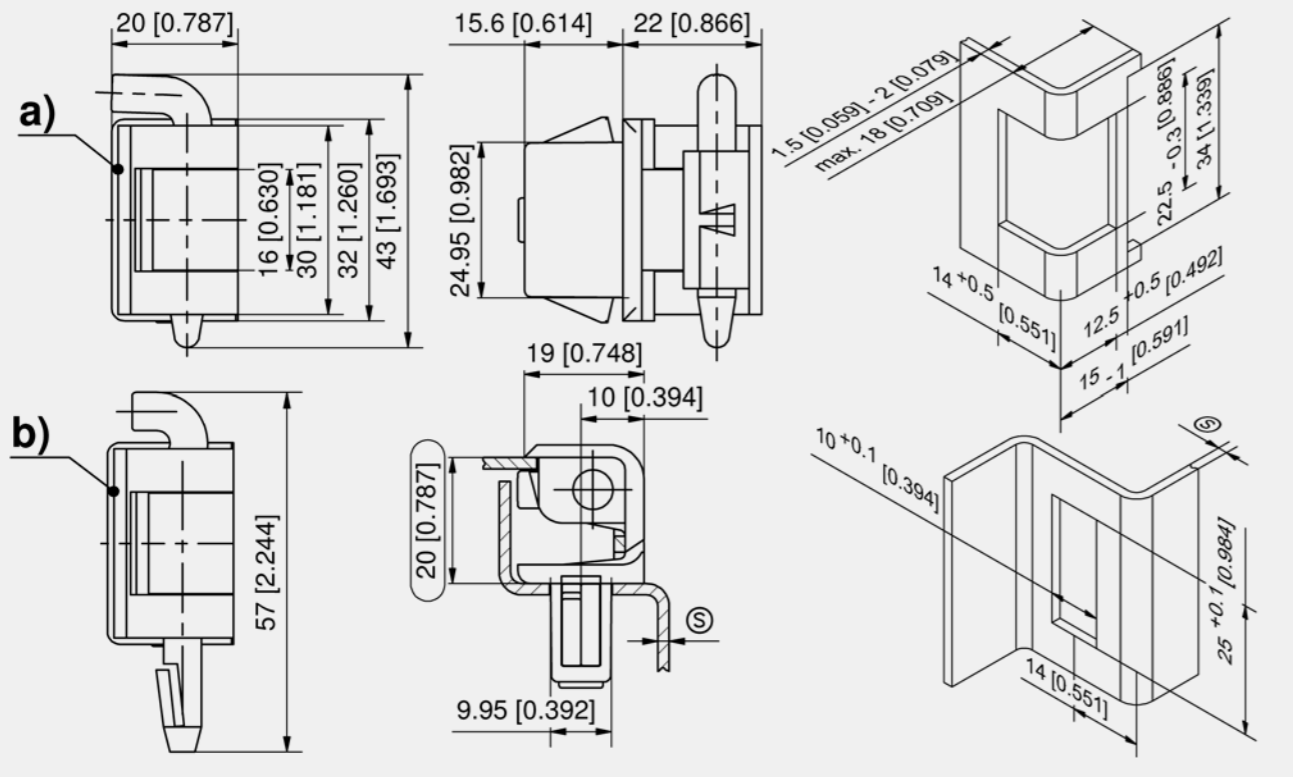


**Advantages**

- Hinge with DIRAK-SNAP-Technology.
- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- Installation of the frame-part by simple tool-less push into the cutout.
- IP65 according to DIN EN 60529 (optional).

**Materials**

- Frame- and door-part:** AISI 316
- Pin:** AISI 316 or POM
- Snap wedges:** stainless steel



Hinge

	Part Number	Clamping range (S)	Material pin	Pin length L	Pin version	Installation type	Delivery Unit
a)	412-9063.00-01217	1.2 - 1.7 mm	AISI 316	43 mm	loose	tool-less	10 pcs.
b)	412-9064.00-01217	1.2 - 1.7 mm	POM	57 mm	self-locking	tool-less	10 pcs.
a)	412-9063.00-01722	1.7 - 2.2 mm	AISI 316	43 mm	loose	tool-less	10 pcs.
b)	412-9064.00-01722	1.7 - 2.2 mm	POM	57 mm	self-locking	tool-less	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0403.06-07035 Cutout-cover
762	292-0403.06-09005 Cutout-cover

Function extension	
839-3770.40-02120	O-ring 21 x 2.0mm



**Advantages**

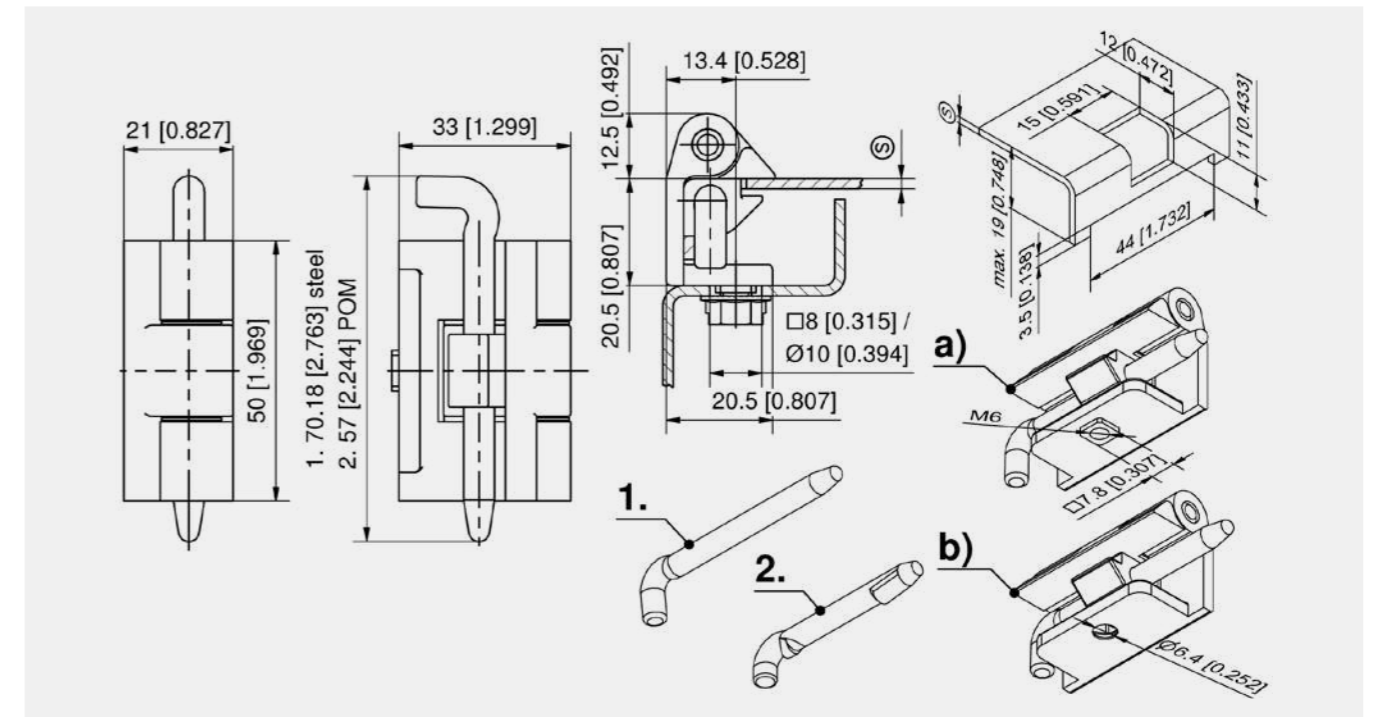
- For surface mounted doors for adjacent cabinets.
- RH / LH application.
- Door-bending 20mm.
- 180° opening angle.

**Materials**

- Frame- and door-part:** zinc die, glossy chrome plated or black
- Washer:** brass, nickel plated
- Pin:** steel, zinc plated or POM, natural

**Remarks**

- pin steel, zinc plated
- pin POM



Hinge, zinc die

	Part Number	Door-thickness (S)	Surface	Version	Material pin	Pin version	Installation type	Delivery Unit
a)	212-9025.00-00000	1.5 - 2.0 mm	glossy chrome plated	with M6 threaded stubs	steel	loose	screw-on	10 pcs.
b)	212-9026.00-00000	1.5 - 2.0 mm	glossy chrome plated	with countersunk holes for 6mm	steel	loose	screw-on	10 pcs.
a)	212-9033.00-00000	1.5 - 2.0 mm	glossy chrome plated	with M6 threaded stubs	POM	self-locking	screw-on	10 pcs.
b)	212-9034.00-00000	1.5 - 2.0 mm	glossy chrome plated	with countersunk holes for 6mm	POM	self-locking	screw-on	10 pcs.
a)	212-9027.00-00000	1.5 - 2.0 mm	black	with M6 threaded stubs	steel	loose	screw-on	10 pcs.
b)	212-9028.00-00000	1.5 - 2.0 mm	black	with countersunk holes for 6mm	steel	loose	screw-on	10 pcs.
a)	212-9035.00-00000	1.5 - 2.0 mm	black	with M6 threaded stubs	POM	self-locking	screw-on	10 pcs.
b)	212-9036.00-00000	1.5 - 2.0 mm	black	with countersunk holes for 6mm	POM	self-locking	screw-on	10 pcs.
a)	212-9527.00-00000	2.5 - 3.2 mm	black	with M6 threaded stubs	steel	loose	screw-on	10 pcs.
b)	212-9528.00-00000	2.5 - 3.2 mm	black	with countersunk holes for 6mm	steel	loose	screw-on	10 pcs.
a)	212-9535.00-00000	2.5 - 3.2 mm	black	with M6 threaded stubs	POM	self-locking	screw-on	10 pcs.
b)	212-9536.00-00000	2.5 - 3.2 mm	black	with countersunk holes for 6mm	POM	self-locking	screw-on	10 pcs.

Accessories	
754	6-040 Serrated Screws



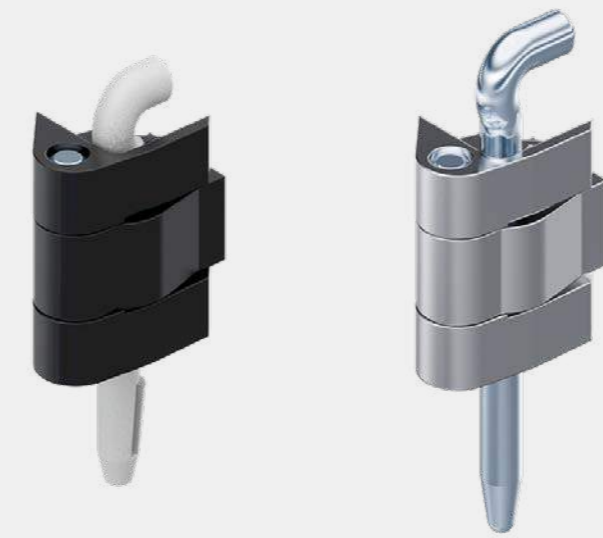


**Advantages**

- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- The door-part has 2 stubs, keeping it in position during mounting of the pin.
- Installation tool-less by simple push into the cutout.

**Materials**

- **Frame- and door-part:** zinc die, matte black
- **Snap wedges:** sintered steel
- **Pin:** steel, zinc plated



**Advantages**

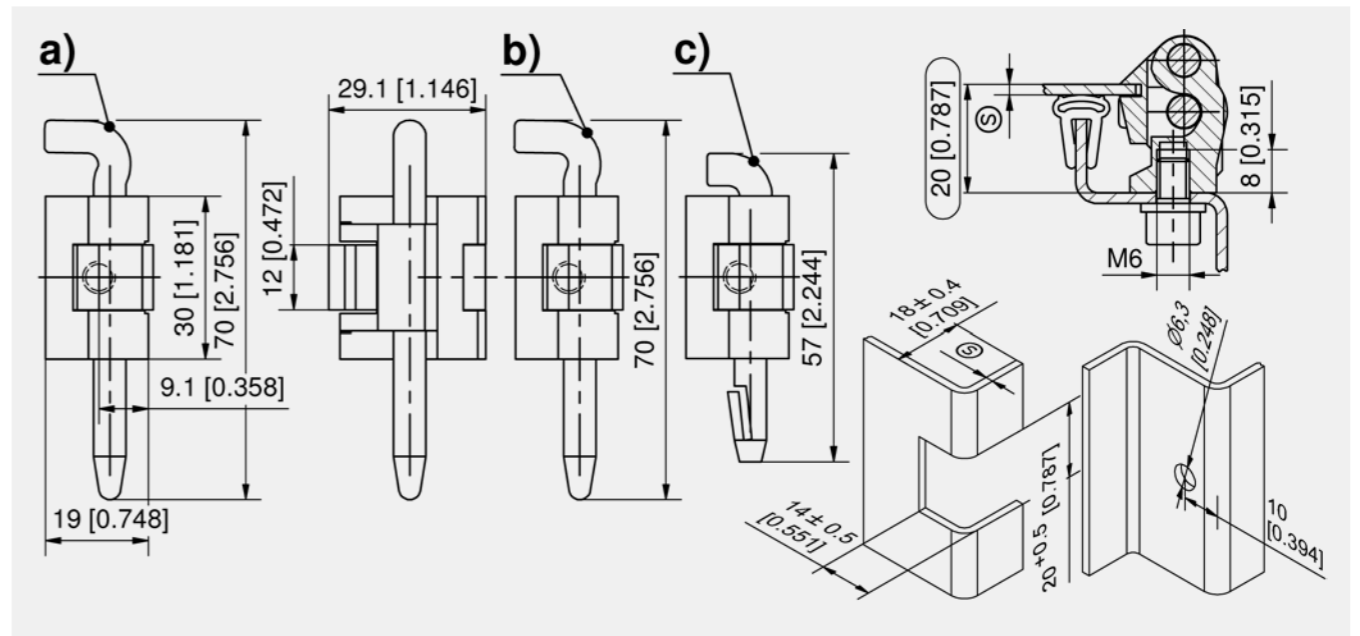
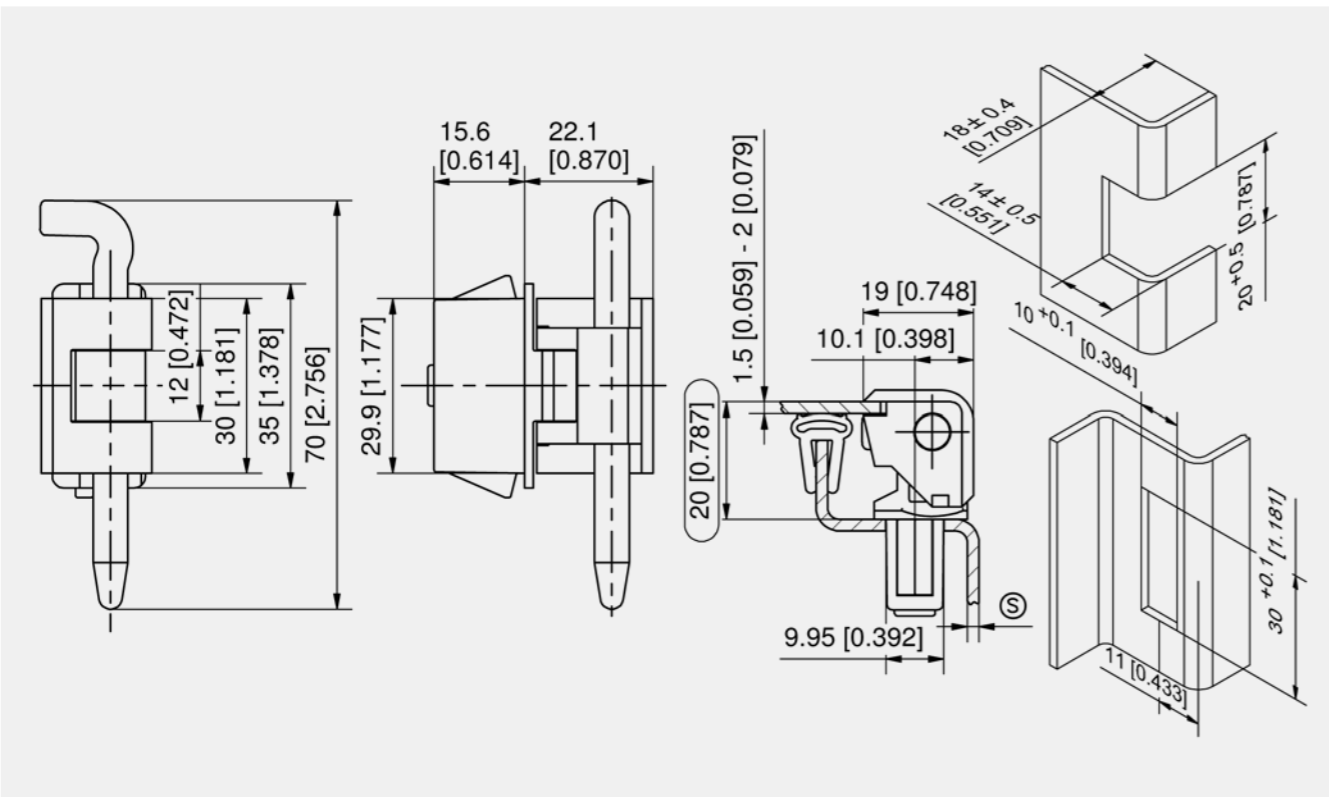
- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- The POM pin is self-locking.

**Materials**

- **Frame- and door-part:** zinc die, glossy chrome plated or black
- **Pivot pin:** stainless steel
- **Pin:** steel, zinc plated, stainless steel or POM, natural

**Remarks**

The shifted pivot point gives a larger radius.  
This hinge is completely interchangeable with the hinge on product system 4-150.



Hinge, zinc die

	Part Number	Door-thickness (S)	Surface	Material pin	Pin version	Installation type	Delivery Unit
a)	212-9007.00-00000	1.5 - 2.0 mm	glossy chrome plated	steel, zinc plated	loose	screw-on	10 pcs.
b)	212-9008.00-00000	1.5 - 2.0 mm	glossy chrome plated	stainless steel	loose	screw-on	10 pcs.
c)	212-9009.00-00000	1.5 - 2.0 mm	glossy chrome plated	POM	self-locking	screw-on	10 pcs.
a)	212-9507.00-00000	2.5 - 3.2 mm	glossy chrome plated	steel, zinc plated	loose	screw-on	10 pcs.
b)	212-9508.00-00000	2.5 - 3.2 mm	glossy chrome plated	stainless steel	loose	screw-on	10 pcs.
c)	212-9509.00-00000	2.5 - 3.2 mm	glossy chrome plated	POM	self-locking	screw-on	10 pcs.
a)	212-9010.00-00000	1.5 - 2.0 mm	black	steel, zinc plated	loose	screw-on	10 pcs.
b)	212-9011.00-00000	1.5 - 2.0 mm	black	stainless steel	loose	screw-on	10 pcs.
c)	212-9012.00-00000	1.5 - 2.0 mm	black	POM	self-locking	screw-on	10 pcs.
a)	212-9510.00-00000	2.5 - 3.2 mm	black	steel, zinc plated	loose	screw-on	10 pcs.
b)	212-9511.00-00000	2.5 - 3.2 mm	black	stainless steel	loose	screw-on	10 pcs.
c)	212-9512.00-00000	2.5 - 3.2 mm	black	POM	self-locking	screw-on	10 pcs.

Hinge, clip-in

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
412-9101.00-00015	1.2 - 1.7 mm	loose	tool-less	10 pcs.
412-9101.00-00020	1.7 - 2.2 mm	loose	tool-less	10 pcs.
412-9101.00-00025	2.2 - 2.7 mm	loose	tool-less	10 pcs.
412-9101.00-00030	2.7 - 3.2 mm	loose	tool-less	10 pcs.

Accessories	
764	292-0306.80-02530 Tool for uninstallation
762	292-0401.00-03010 Cutout-cover
763	292-0702.15-01030 Reinforcement plate for cutout

Accessories	
754	6-040 Serrated Screws





**Advantages**

- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- The POM pin is self-locking.

**Materials**

- **Hinge-parts:** AISI 316
- **Pin:** POM, natural or stainless steel

**Remarks**

(S) Door-thickness 1.5-2mm



**Advantages**

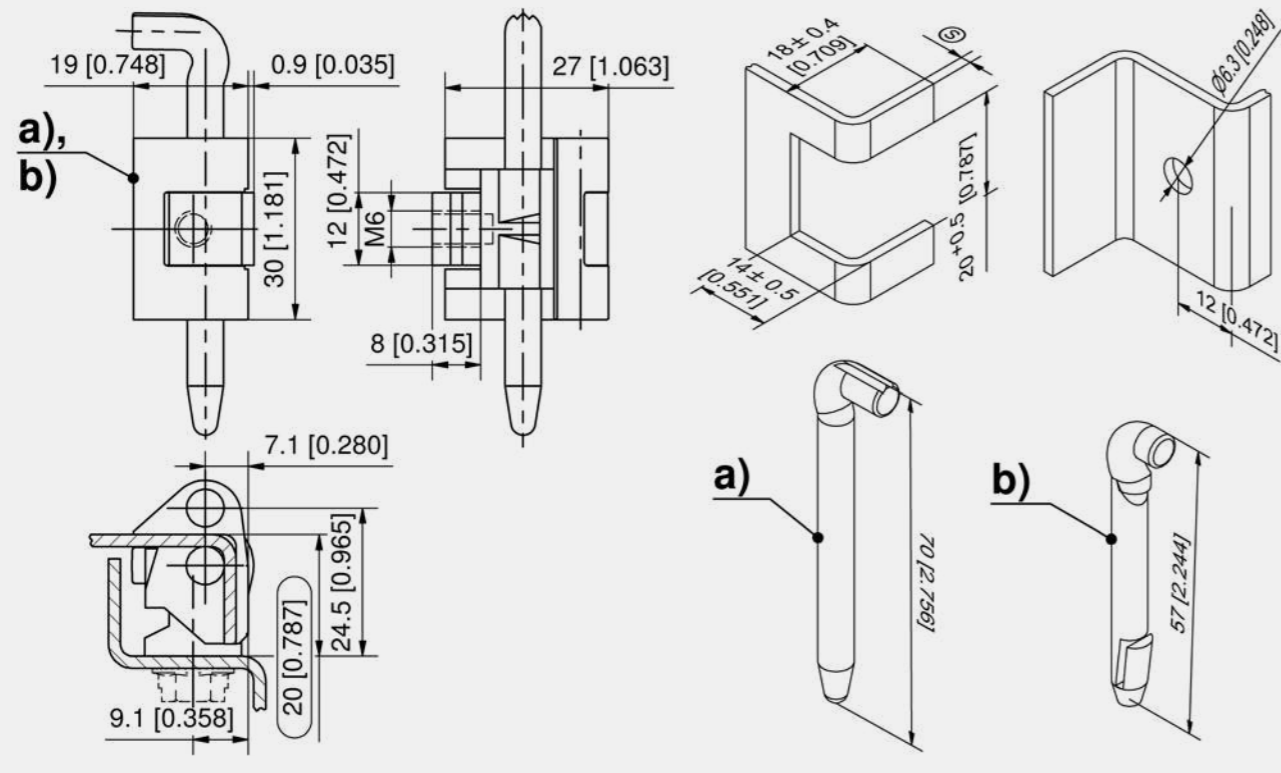
- For surface mounted doors.
- Hinge partly visible.
- Lift-off.
- Door bending 20mm.
- RH and LH version.
- 180° Opening angle for adjacent cabinets.
- 270° Opening angle for single cabinets.

**Materials**

- **Frame- and door-part:** AISI 304
- **Pin:** AISI 303
- **Spacer:** POM

**Remarks**

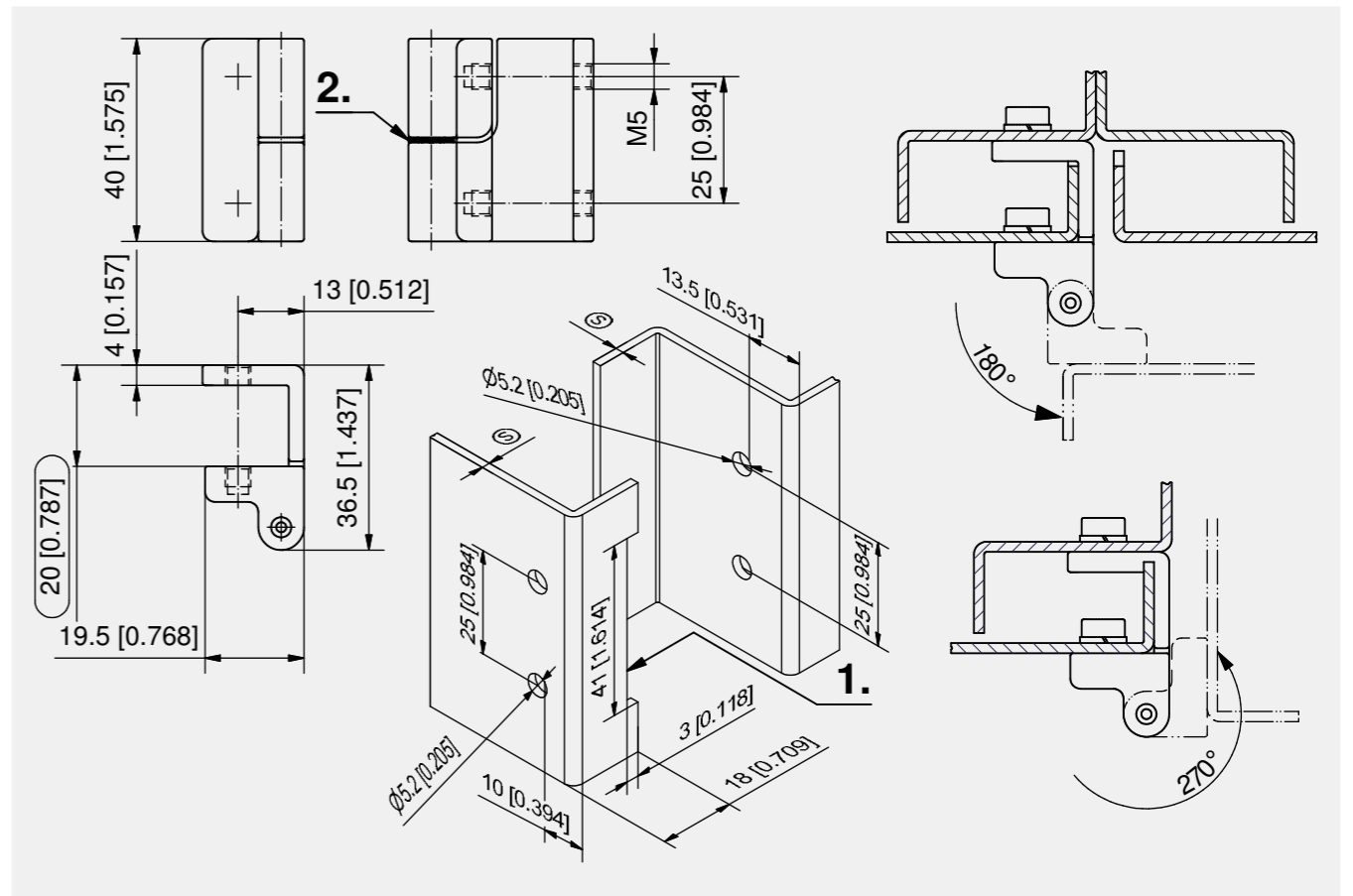
Fastening with screws M5  
 1. door notch  
 2. spacer



Hinge

	Part Number	Material pin	Pin length L	Pin version	Installation type	Delivery Unit
a)	212-9701.00-00000	stainless steel	70 mm	loose	screw-on	10 pcs.
b)	212-9702.00-00000	POM	57 mm	self-locking	screw-on	10 pcs.

Accessories	
+	754 6-040 Serrated Screws



Hinge

	Part Number	Version	Pin version	Installation type	Delivery Unit
	212-9093.00-00000	RH version	pressed in	screw-on	10 pcs.
	212-9094.00-00000	LH version	pressed in	screw-on	10 pcs.





**Advantages**

- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door-bending 25 or 26mm.
- RH / LH application.
- 180° Opening angle.
- With M6 threaded stubs for fastening from inside or Ø6.4mm countersunk holes for fastening from outside.

**Materials**

- Frame- and door-part:** zinc die, glossy chrome plated or black
- Pin:** steel, zinc plated or stainless steel

**Remarks**

Version with pin made of stainless steel or POM on request.  
This hinge is fully interchangeable with the hinge shown on product system 4-180.



**Advantages**

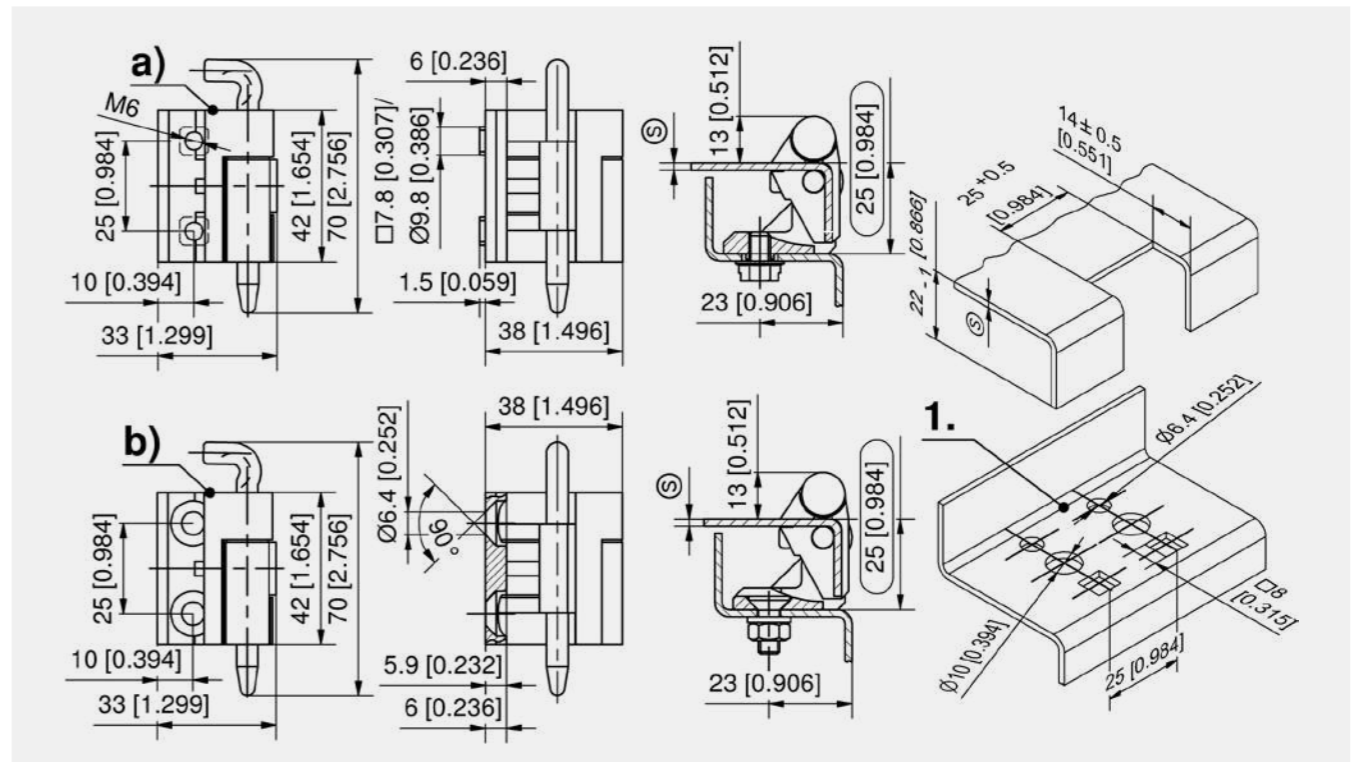
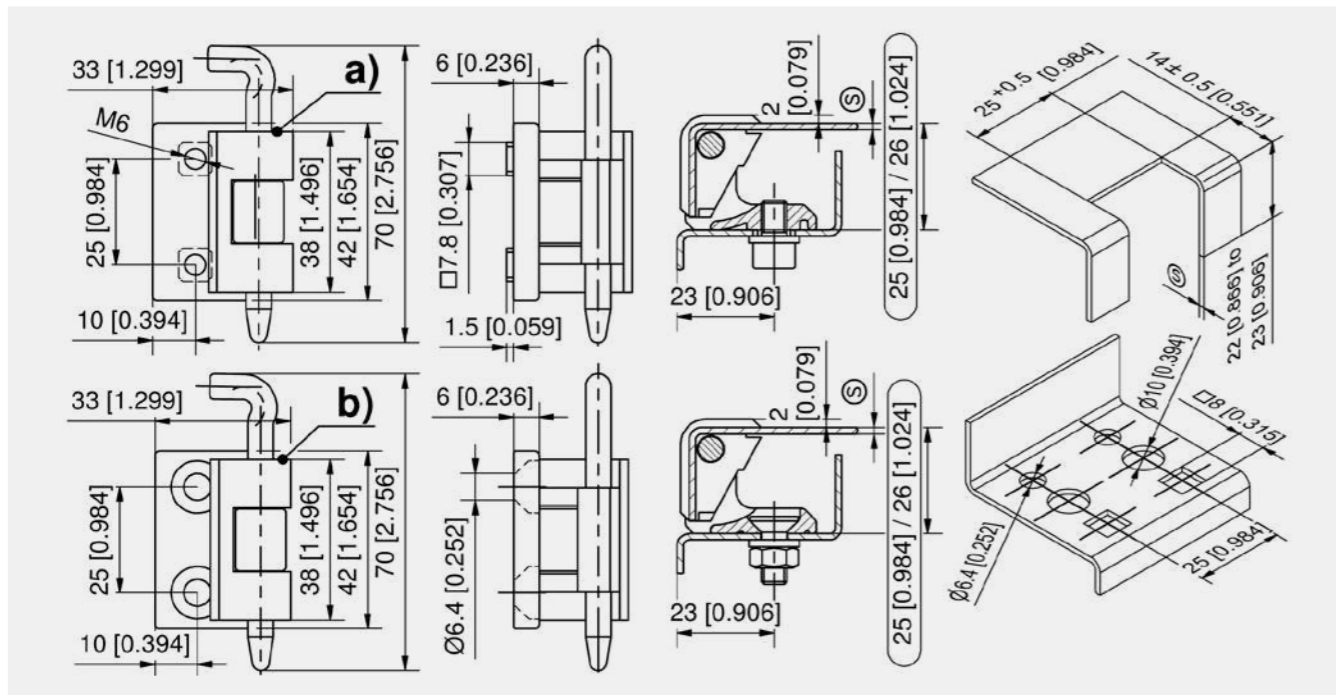
- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- With 90° lift-off.
- Door-bending 25mm.
- RH and LH version.
- 180° Opening angle.
- With M6 threaded stubs for fastening from inside or Ø6.4mm countersunk holes for fastening from outside.
- The hinge is designed for an easy fastening to the door.

**Materials**

- Frame- and door-part:** zinc die, glossy chrome plated or black
- Pivot pin:** stainless steel
- Pin:** steel, zinc plated

**Remarks**

(S) Door-thickness 1.5 - 2.5mm  
1. alternative cutouts  
Hinges for door-thickness > 2mm see product system 4-183.  
This hinge is fully interchangeable with the hinge shown on product system 4-170.



Hinge

	Part Number	Door-thickness (S)	Surface	Bending	Material pin	Frame-part	Pin version	Installation type	Delivery Unit
a)	212-9013.00-00000	1.5 - 2.0 mm	black	25 mm	steel	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.
b)	212-9014.00-00000	1.5 - 2.0 mm	black	25 mm	steel	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.
b)	212-9065.00-00000	1.5 - 2.0 mm	black	25 mm	stainless steel	with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.
a)	212-9019.00-00000	1.5 - 2.0 mm	glossy chrome plated	25 mm	steel	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.
b)	212-9020.00-00000	1.5 - 2.0 mm	glossy chrome plated	25 mm	steel	with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.
a)	212-9513.00-00000	2.5 - 3.2 mm	black	26 mm	steel	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.
b)	212-9514.00-00000	2.5 - 3.2 mm	black	26 mm	steel	with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.
a)	212-9519.00-00000	2.5 - 3.2 mm	glossy chrome plated	26 mm	steel	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.
b)	212-9520.00-00000	2.5 - 3.2 mm	glossy chrome plated	26 mm	steel	with countersunk holes Ø6.4mm for M6	loose	screw-on	10 pcs.

Accessories	
+	754 6-040 Serrated Screws

Hinge, zinc die

	Part Number	Surface	Version	Frame-part	cutout in frame	Pin version	Installation type	Delivery Unit
a)	212-9015.00-00000	black	RH version	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	□8 or Ø10	loose	screw-on	10 pcs.
b)	212-9016.00-00000	black	RH version	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	Ø6.4	loose	screw-on	10 pcs.
a)	212-9021.00-00000	glossy chrome plated	RH version	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	□8 or Ø10	loose	screw-on	10 pcs.
b)	212-9022.00-00000	glossy chrome plated	RH version	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	Ø6.4	loose	screw-on	10 pcs.
a)	212-9017.00-00000	black	LH version	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	□8 or Ø10	loose	screw-on	10 pcs.
b)	212-9018.00-00000	black	LH version	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	Ø6.4	loose	screw-on	10 pcs.
a)	212-9023.00-00000	glossy chrome plated	LH version	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	□8 or Ø10	loose	screw-on	10 pcs.
b)	212-9024.00-00000	glossy chrome plated	LH version	with M6 threaded stubs with countersunk holes Ø6.4mm for M6	Ø6.4	loose	screw-on	10 pcs.

Accessories	
+	754 6-040 Serrated Screws





**Advantages**

- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- 180° Opening angle.

**Materials**

- **Frame- and door-part:** zinc die, glossy chrome plated or black
- **Washer:** brass, nickel plated
- **Pin:** steel, zinc plated
- **Fastening washer:** steel, zinc plated

**Remarks**

(S) Door-thickness min 1.5 - max. 2mm  
 for door thickness (S) 1.5mm x= 12mm  
 for door thickness (S) 2 mm x= 15mm  
 1. washer  
 2. fastening washer



**Advantages**

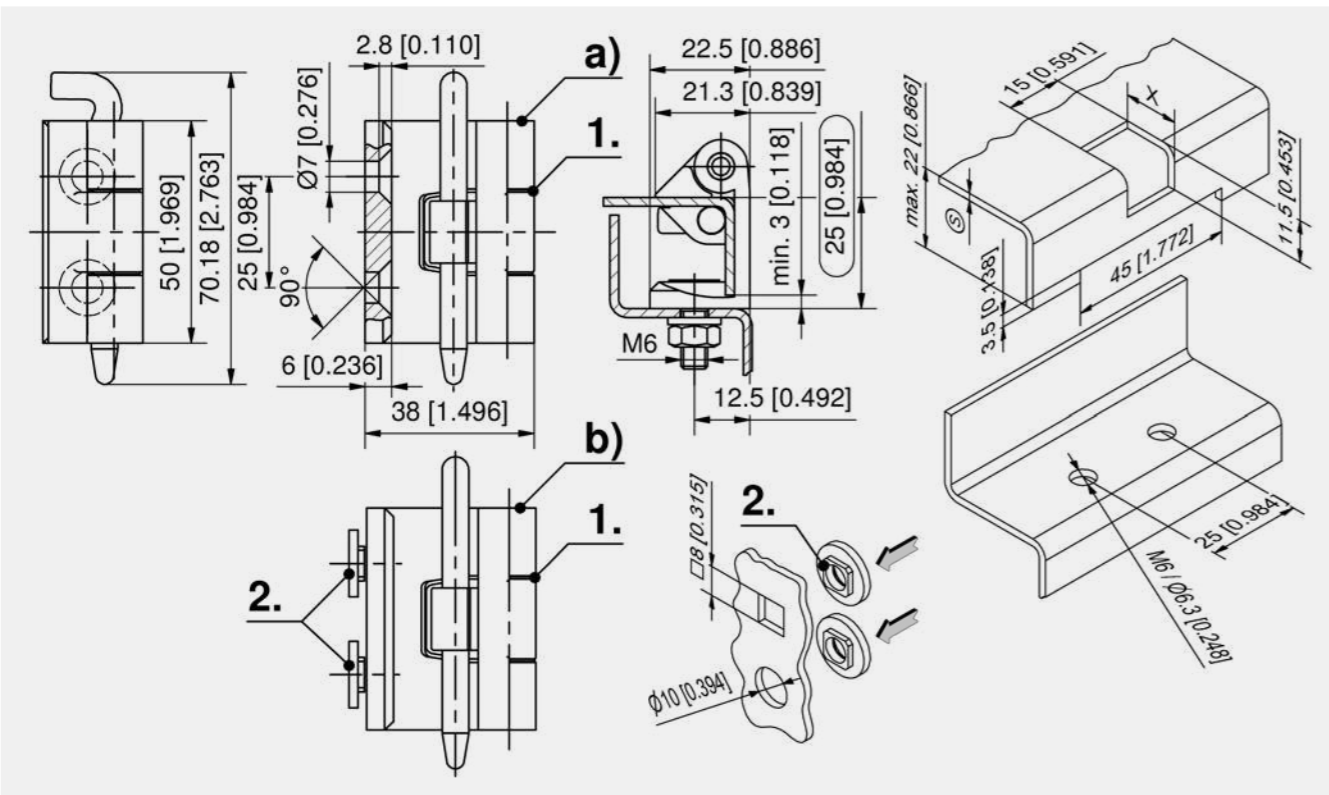
- Hinge with DIRAK-SNAP-Technology.
- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door bending 20mm.
- RH / LH application.
- 180° Opening angle.
- Closed cutout.
- Installation of the frame-part by simple tool-less push into the cutout.
- IP65 according DIN EN 60529 (optional).

**Materials**

- **Frame- and door-part:** zinc die, black
- **Pin and pivot pin:** steel, zinc plated
- **Washers:** brass, nickel plated
- **Snap wedges:** sintered metal, coated

**Remarks**

Door-thickness (S1) 1.5 - 2mm



Hinge, zinc die, black

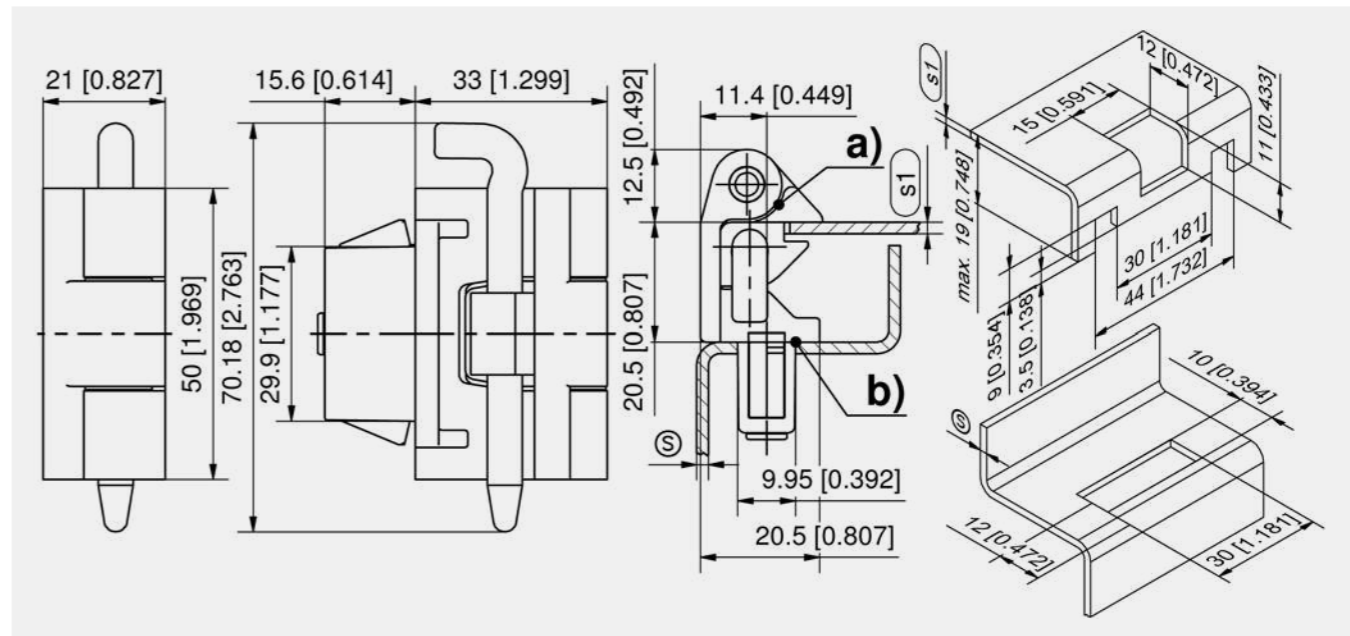
	Part Number	cutout in frame	Frame-part	Pin version	Installation type	Delivery Unit
a)	212-9038.00-00000	Ø6	with countersunk holes for M6	loose	screw-on	10 pcs.
b)	212-9037.00-00000	□8 or Ø10	with countersunk holes for M6 + fastening washer	loose	screw-on	10 pcs.

Hinge, zinc die, glossy chrome plated

	Part Number	cutout in frame	Frame-part	Pin version	Installation type	Delivery Unit
a)	212-9088.00-00000	Ø6	with countersunk holes for M6	loose	screw-on	10 pcs.
b)	212-9050.00-00000	□8 or Ø10	with countersunk holes for M6 + fastening washer	loose	screw-on	10 pcs.

**Assembly options**

755 6-041 Countersunk Screws and Hexagon Nuts



Hinge

	Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
a)	412-9003.00-00015	1.2 - 1.7 mm	loose	tool-less	10 pcs.
a)	412-9003.00-00020	1.7 - 2.2 mm	loose	tool-less	10 pcs.
a)	412-9003.00-00025	2.2 - 2.7 mm	loose	tool-less	10 pcs.
a)	412-9003.00-00030	2.7 - 3.2 mm	loose	tool-less	10 pcs.

**Accessories**

764 292-0306.80-02530 **Tool for uninstallation**  
 762 292-0401.00-03010 **Cutout-cover**  
 763 292-0702.15-01030 **Reinforcement plate for cutout**

**Function extension**

b) 839-3770.00-02022 **O-ring 20 x 2.2mm**



## Hinge for Single Cabinet Pr05 180°

[4-155]



**Advantages**

- For surface mounted doors.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- 180° Opening angle.
- Lift-off of the door by swiping the door-part to the middle of the door.
- Door-part clicks into the end position audible and visible.

**Materials**

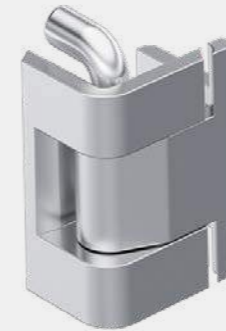
- **Door-part:** zinc die, black
- **Frame-part:** steel, black
- **Bridge, screws, pin:** steel, zinc plated

**Remarks**

- Fastening screws for the door-part **included**
- 1. notch
- 2. disengage
- 3. hinge must be opened 30°
- 4. hinge disengage

## Hinge Pr05 180° Stainless Steel

[7-136]



**Advantages**

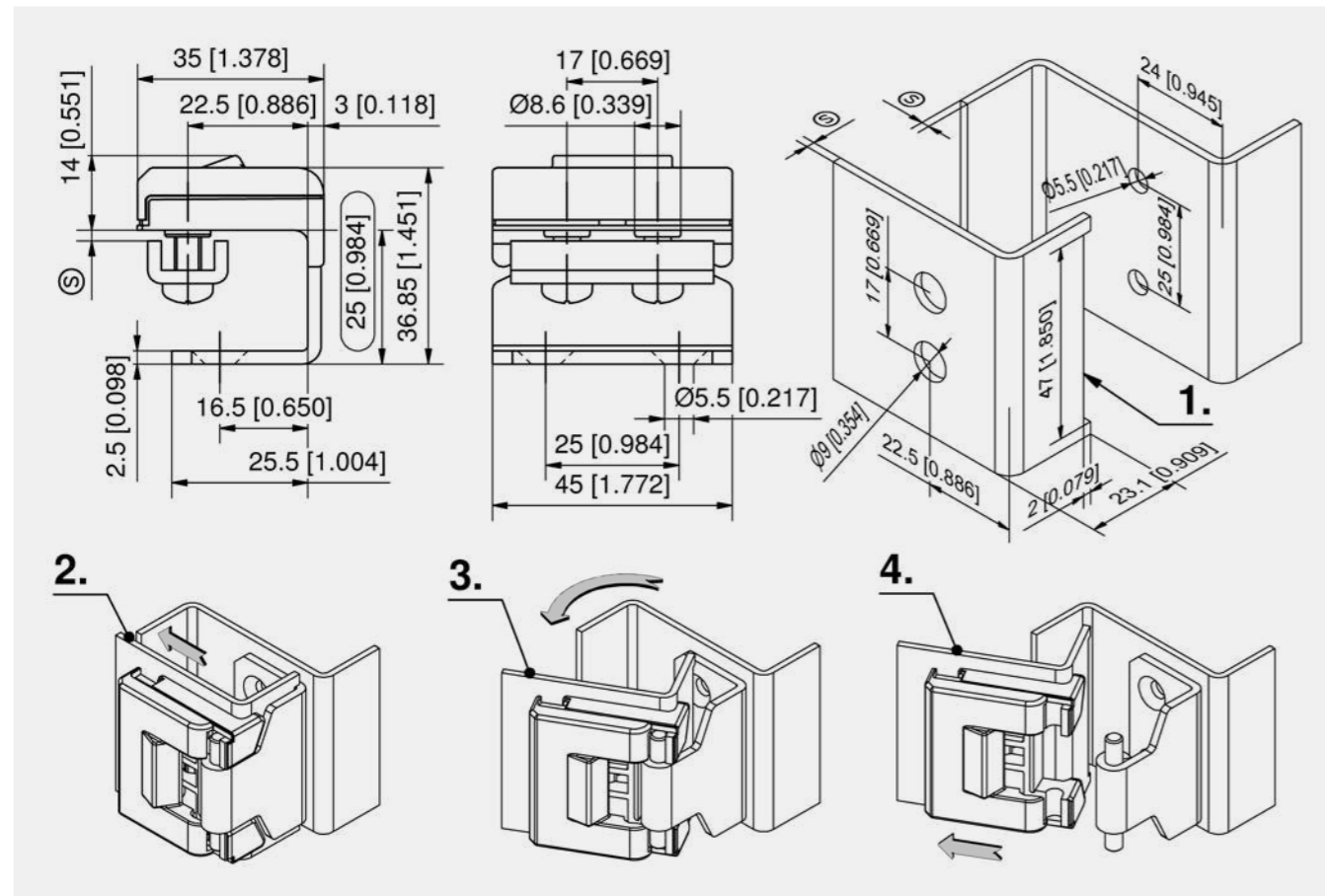
- For surface mounted doors for single cabinets.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- 180° Opening angle.
- The frame-part has a reinforcement rib.
- IP65 according to DIN EN 60529 by flat external seal (optinal for version b).

**Materials**

- **Frame- and door-part:** AISI 316
- **Pin:** AISI 316 or AISI 304

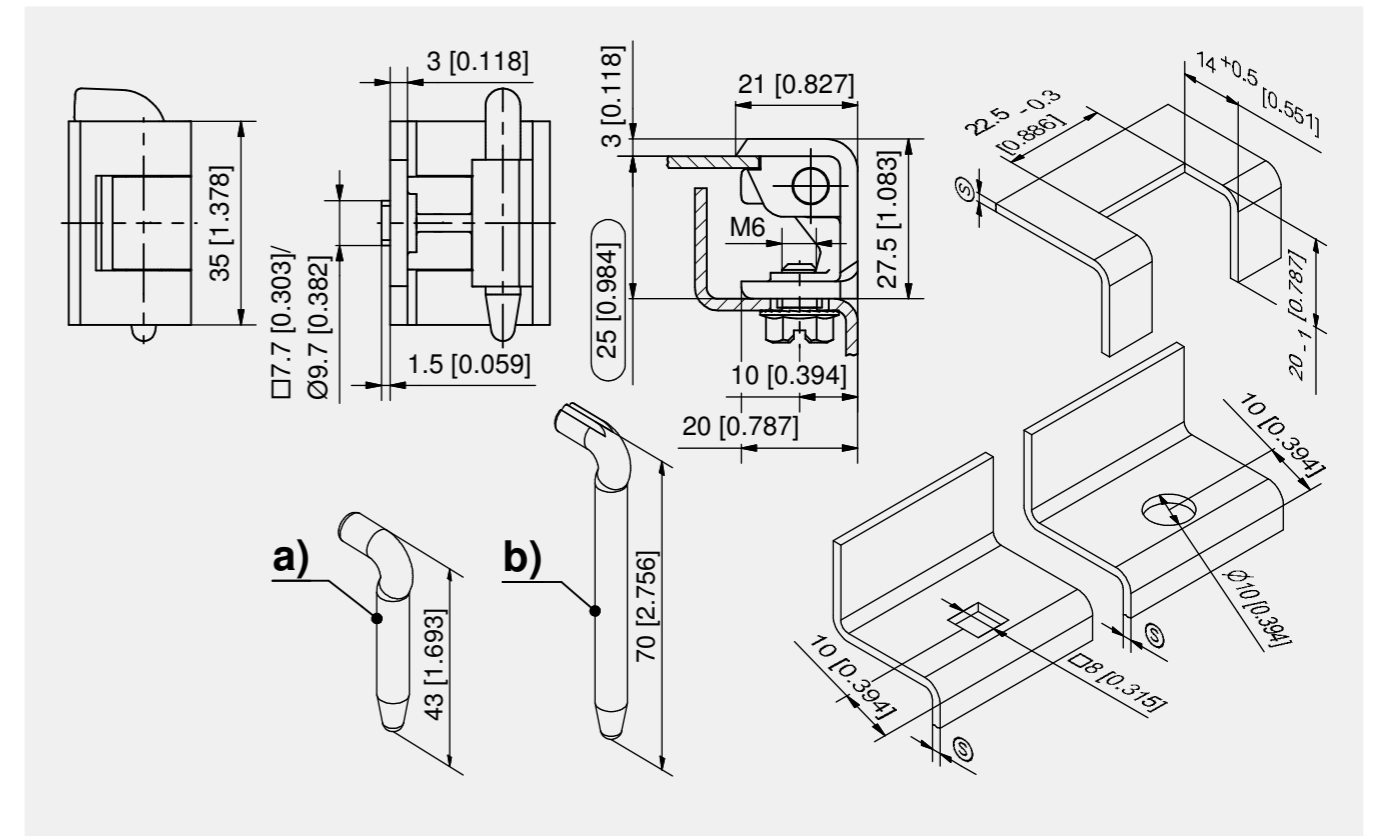
**Remarks**

- (S) Door-thickness min. 1.5mm



Hinge

Part Number	Pin version	Installation type	Delivery Unit
212-9092.00-00000	pressed in	screw-on	10 pcs.



Hinge

	Part Number	Material pin	Pin length L	Frame-part	Pin version	Installation type	Delivery Unit
a)	212-9712.00-00000	AISI 304	43 mm	with M6 threaded stubs	loose	screw-on	10 pcs.
b)	212-9715.00-00000	AISI 316	70 mm	with M6 threaded stubs	loose	screw-on	10 pcs.

Accessories	
+	754 6-040 Serrated Screws
Function extension	
*	212-0425.00-00000 Flat external seal for PS 7-136





**Advantages**

- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door-bending 25mm.
- RH / LH application.
- 180° Opening angle.
- For heavy duty applications.
- The door can be lifted-off by loosening the screw of the lower (bottom) part which can then be slid down.
- Horizontal adjusting feature by sliding adjusting bushings.

**Materials**

- **Frame- and door-part:** zinc die, black
- **Pivot:** steel, zinc plated
- **Washer:** brass, nickel plated

**Remarks**

1. only notch in case you prefer a narrow gap 1-2mm between door and frame.
2. washer
3. adjusting bushing
4. 180° if hinges are installed on the left **or** on the right
5. 146° if hinges are installed on the left **and** on the right



**Advantages**

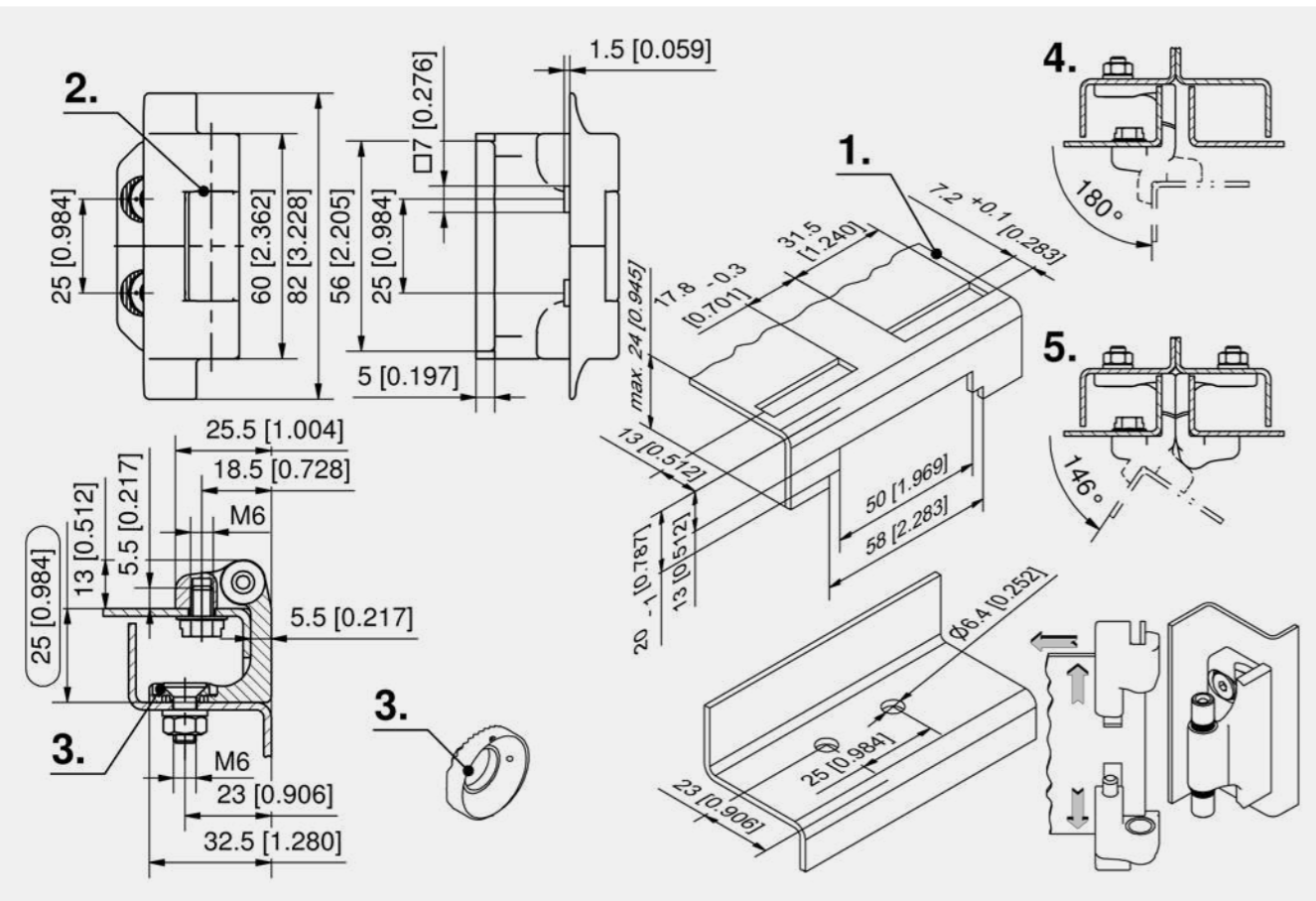
- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door-bending 25mm.
- For RH / LH application.
- 180° Opening angle.
- Easy lift-off through oblong holes (2.).
- Hinge fitting from inside and outside.
- Hinges are supplied including fastening material (5.).
- Frame holes layout is also suitable for mounting dual hooks as on product system 3-170 and 3-910 shown allowing reversibility of door.

**Materials**

- **Frame- and door-part:** zinc die, black
- **Pin:** steel, zinc plated
- **Washer:** brass
- **Fastening washer:** steel, zinc plated

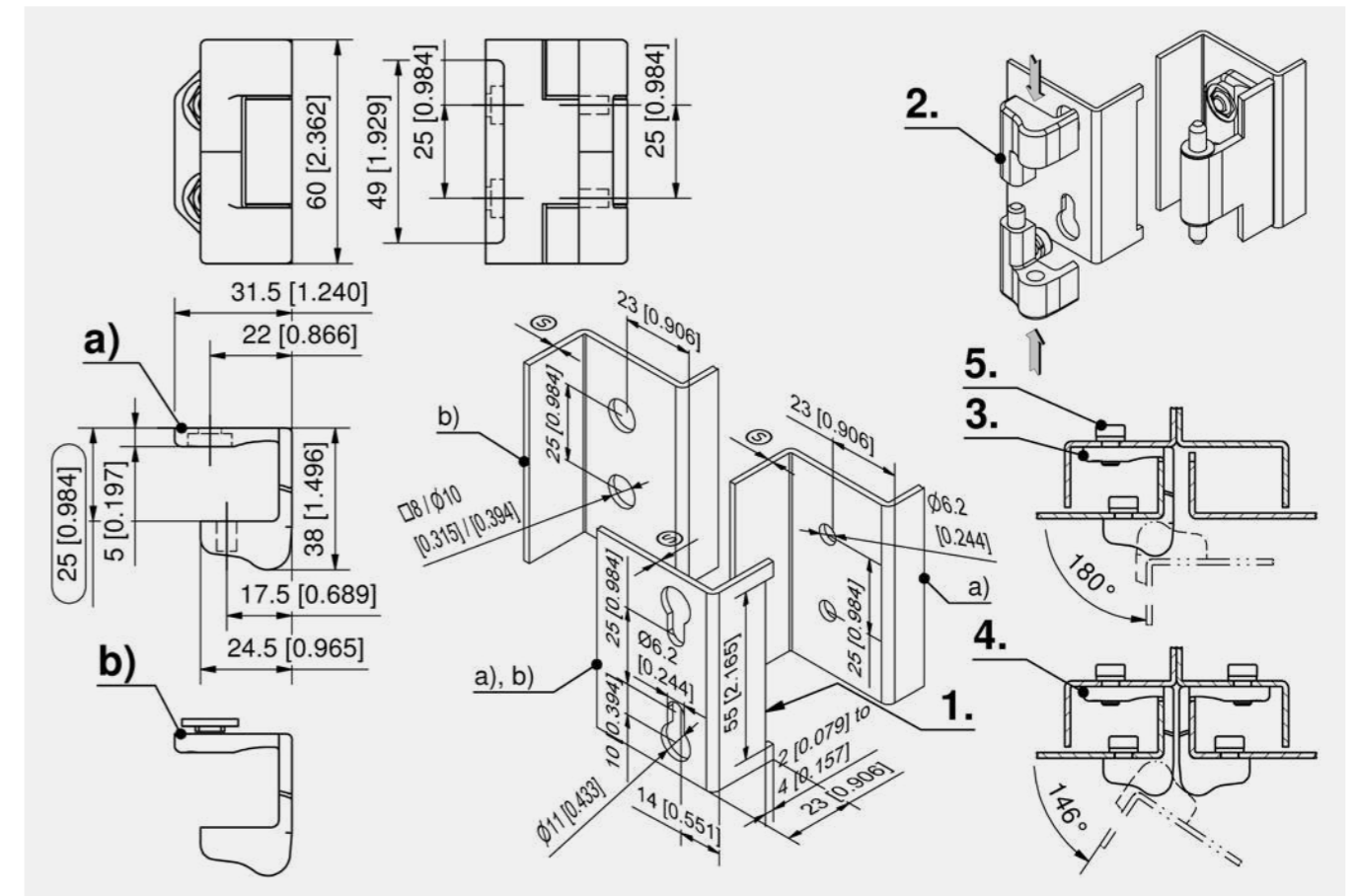
**Remarks**

1. possible notching in the door for a gap of approx. 1-2mm between door and frame.
- Option b) with fastening washer for holes □ 8 or Ø10.
3. 180° opening angle attached to LH **or** RH hinges.
4. 146° opening angle attached to LH **and** RH hinges.



Hinge

	Part Number	Pin version	Installation type	Delivery Unit
a)	212-9308.00-00000	pressed in	screw-on	10 pcs.



Hinge

	Part Number	Version	Pin version	Installation type	Delivery Unit
a)	212-9302.00-00000	without fastening washer	pressed in	screw-on	12 pcs.
b)	212-9303.00-00000	with fastening washer	pressed in	screw-on	12 pcs.







**Advantages**

- Hinge with DIRAK-SNAP-Technology for adjacent cabinets.
- Tool-less installation of door-part and frame-part.
- For surface mounted doors.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- 180° Opening angle.
- IP65 according to DIN EN 60529 (optional).

**Materials**

- **Door- and frame-part:** zinc die, black
- **Snap wedges:** sintered metal, coated
- **Pin:** stainless steel
- **Washer:** brass

**Remarks**

1. at a gap dimension of 1mm the notch height is 7mm. Depending on the gap size the height of the notch differs.
- Dual hook with DIRAK-SNAP-Technology see product system 3-910DST.



**Advantages**

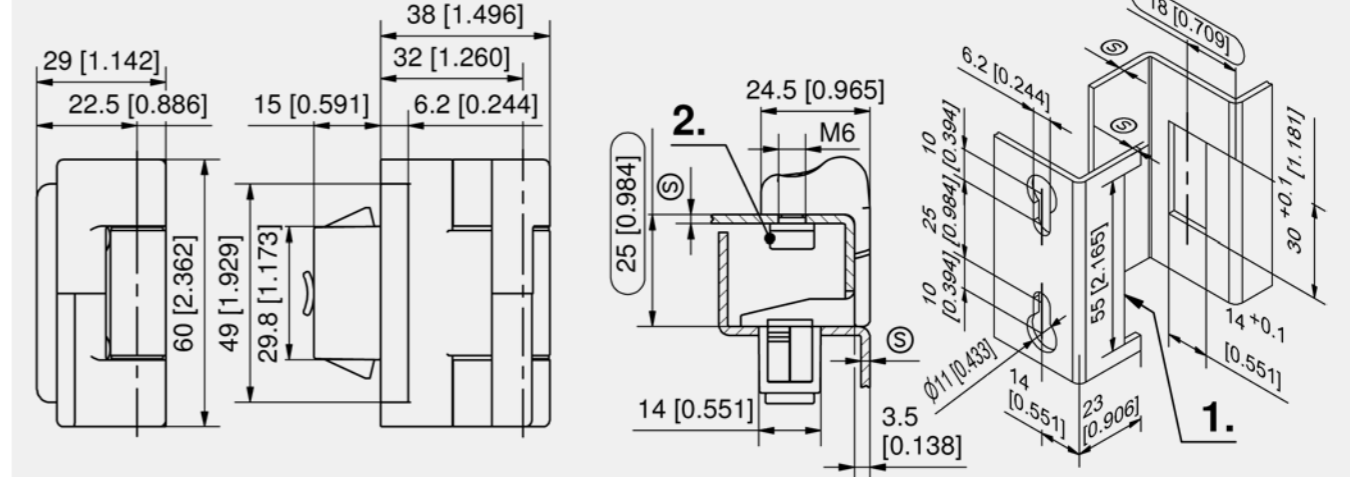
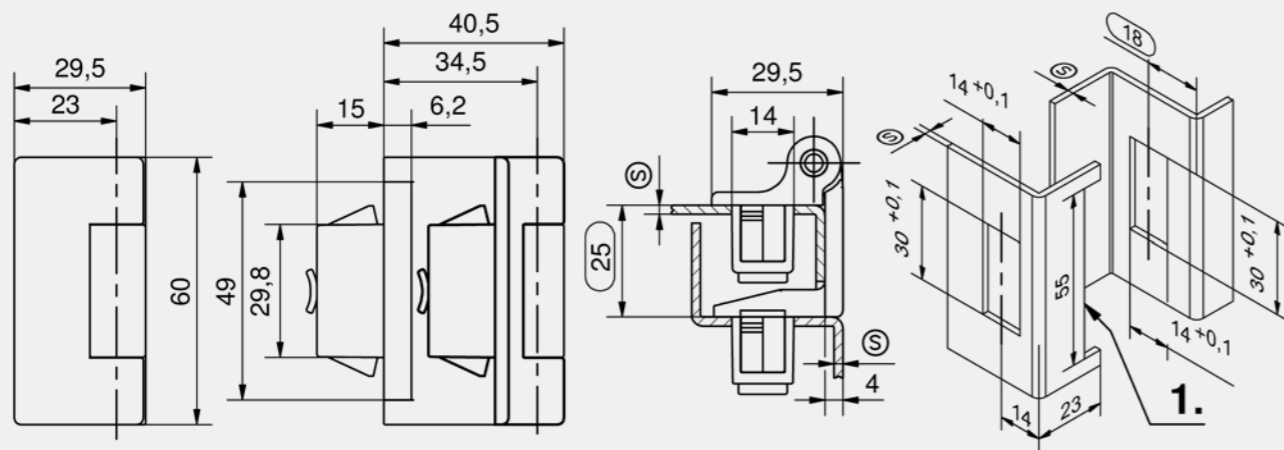
- For surface mounted doors.
- Hinge partly visible.
- Door bending 25mm.
- Frame-part snap-in, tool-less.
- Door-part screw-on.
- Due to an enlarged oblong hole, the doors are easy to lift-off.
- IP65 according to DIN EN 60529 (optional).
- 180° opening angle if hinges are installed on the right **or** on the left.
- 140° opening angle if hinges are installed on the right **and** on the left.

**Materials**

- **Frame- and door-part:** zinc die, black
- **Snap wedges:** sintered metal, coated
- **Pin Ø6x15:** stainless steel
- **Pin Ø6x50:** steel, zinc plated
- **Washers:** brass, nickel plated
- **Spring washers and socket cylinder screws:** steel, zinc plated

**Remarks**

1. at a gap dimension of 1mm the notch height is 7mm. Depending on the gap size the height of the notch differs.
  2. two socket cylinder screws M6x10 DIN 7984 and 2 spring washers DIN 7980 are included.
- By an identical hole pattern in the frame the hinges can be replaced by dual hooks of product system 3-910DST.



Hinge, material-thickness door/frame different e.g.

Part Number	Clamping range door-part (S)	Clamping range frame-part (S)	Pin version	Installation type	Delivery Unit
412-8001.00-01525	1.2 - 1.7 mm	2.2 - 2.7 mm	pressed in	tool-less	10 pcs.

Hinge, material-thickness door/frame identical e.g.

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
412-9001.00-00015	1.2 - 1.7 mm	pressed in	tool-less	10 pcs.
412-9001.00-00020	1.7 - 2.2 mm	pressed in	tool-less	10 pcs.
412-9001.00-00025	2.2 - 2.7 mm	pressed in	tool-less	10 pcs.
412-9001.00-00030	2.7 - 3.2 mm	pressed in	tool-less	10 pcs.
412-9001.00-00035	3.2 - 3.7 mm	pressed in	tool-less	10 pcs.

Accessories	
+	764 292-0301.15-00000 <b>Tool for uninstallation</b>
+	764 292-0306.80-02530 <b>Tool for uninstallation</b>
+	762 292-0402.00-03014 <b>Cutout-cover</b>
+	763 292-0701.15-01530 <b>Reinforcement plate for cutout</b>

Function extension	
*	200-1005.00-02420 <b>O-ring 24 x 2.0mm</b>

Hinge

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
412-9002.00-00015	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
412-9002.00-00020	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
412-9002.00-00025	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
412-9002.00-00030	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.
412-9002.00-00035	3.2 - 3.7 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
+	764 292-0301.15-00000 <b>Tool for uninstallation</b>
+	764 292-0306.80-02530 <b>Tool for uninstallation</b>
+	762 292-0402.00-03014 <b>Cutout-cover</b>
+	763 292-0701.15-01530 <b>Reinforcement plate for cutout</b>

Function extension	
*	200-1005.00-02420 <b>O-ring 24 x 2.0mm</b>





**Advantages**

- For surface mounted doors.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- 180° Opening angle.
- Door-part tool-less.
- Frame-part screw-on.

**Materials**

- **Frame- and door-part:** zinc die, black
- **Snap wedges:** sintered metal, coated
- **Pin Ø6x60:** stainless steel
- **Washers:** brass, nickel plated
- **Screws, nuts and spring washers:** steel, zinc plated

**Remarks**

1. at a gap dimension of 1mm the notch height is 7mm. Depending on the gap size the height of the notch differs.
  2. two socket cylinder screws M6x10 DIN 7984 and 2 spring washers DIN 7980 are included.
- Dual hook see product system 3-910 and 3-170.



**Advantages**

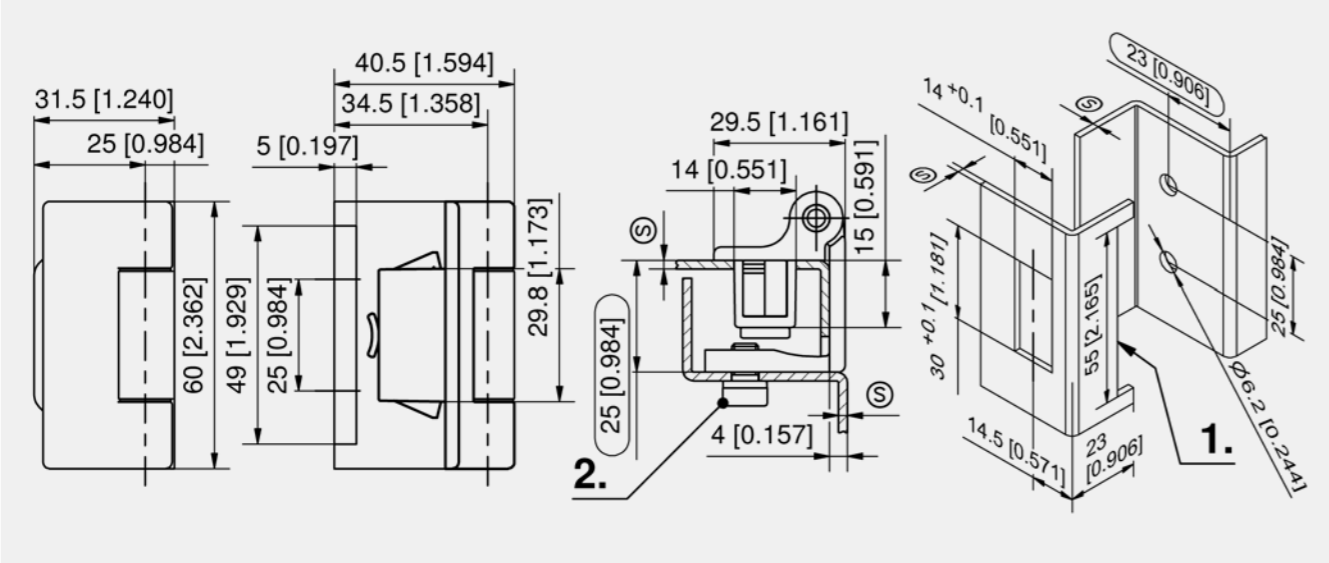
- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- 180° Opening angle.
- Door-part with pre-fitted and captive pin-halves.
- At about 30° door opening the door can be pulled out, after retracting the pin-halves.
- For door installation, the door is inserted into the frame at approx. 30° and the hinge pins are pressed in. (2.)
- Frame holes layout is also suitable for mounting dual hooks as on product system 3-170 or 3-910 shown allowing reversibility of door.

**Materials**

- **Frame- and door-part and pin:** zinc die, black
- **Detent spring:** spring steel

**Remarks**

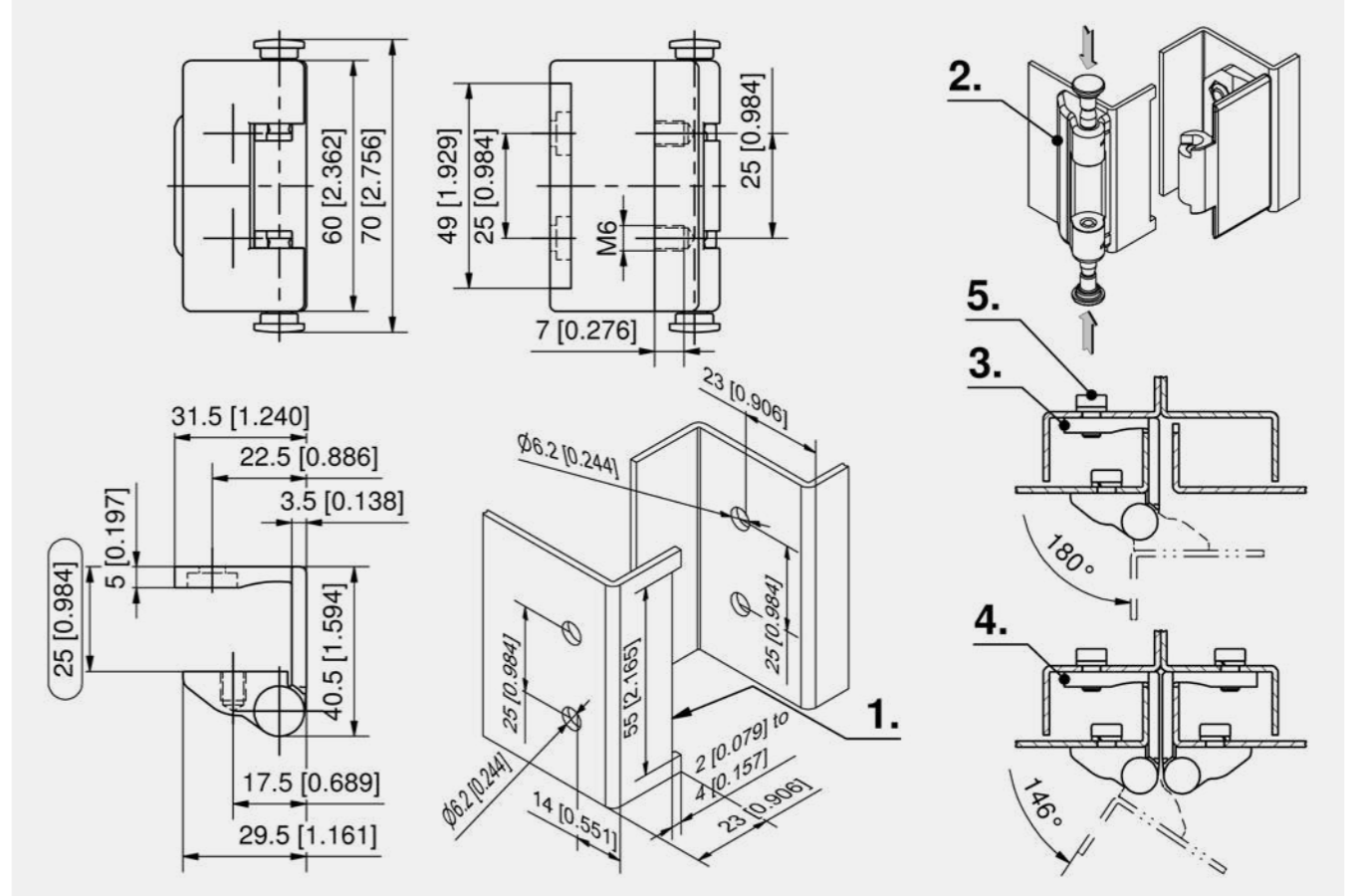
1. possible notching in the door for a gap of approx. 1-2mm between door and frame.
3. 180° opening angle if hinges are installed on the right or on the left.
4. 146° opening angle if hinges are installed on the right and on the left.
5. four socket cylinder screws M6x10 DIN 7984, 4 spring washers 6 DIN 7980 and 2 nuts M6 DIN 439 are included.



Hinge

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
412-9004.00-00015	1.2 - 1.7 mm	pressed in	tool-less / screw-on	10 pcs.
412-9004.00-00020	1.7 - 2.2 mm	pressed in	tool-less / screw-on	10 pcs.
412-9004.00-00025	2.2 - 2.7 mm	pressed in	tool-less / screw-on	10 pcs.
412-9004.00-00030	2.7 - 3.2 mm	pressed in	tool-less / screw-on	10 pcs.
412-9004.00-00035	3.2 - 3.7 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
764	292-0301.15-00000 Tool for uninstallation
764	292-0306.80-02530 Tool for uninstallation
762	292-0402.00-03014 Cutout-cover
763	292-0701.15-01530 Reinforcement plate for cutout



Hinge

Part Number	Version	Pin version	Delivery Unit
212-9085.00-00000	Pin two parts	self-locking, 2-parts	10 pcs.





**Advantages**

- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- Opening angle 180°.
- Tool-less installation of frame- and door-part.
- Door-part with pre-fitted and captive pin-halves.
- At about 30° door opening the door can be pulled out, after retracting the pin-halves.
- For door installation, the door is inserted into the frame at approx. 30° and the hinge pins are pressed in. (2.)
- IP65 according to DIN EN 60529 (optional).

**Materials**

- **Frame- and door-part and pins:** zinc die, black
- **Snap wedges:** sintered metal, coated
- **Detent spring:** spring steel

**Remarks**

1. possible notching in the door for a gap of 2mm between door and frame.
  3. opening angle 180° if hinges are installed on the left and on the right
- Frame holes layout is also suitable for mounting dual hooks as on product system 3-910DST shown allowing reversibility of door.



**Advantages**

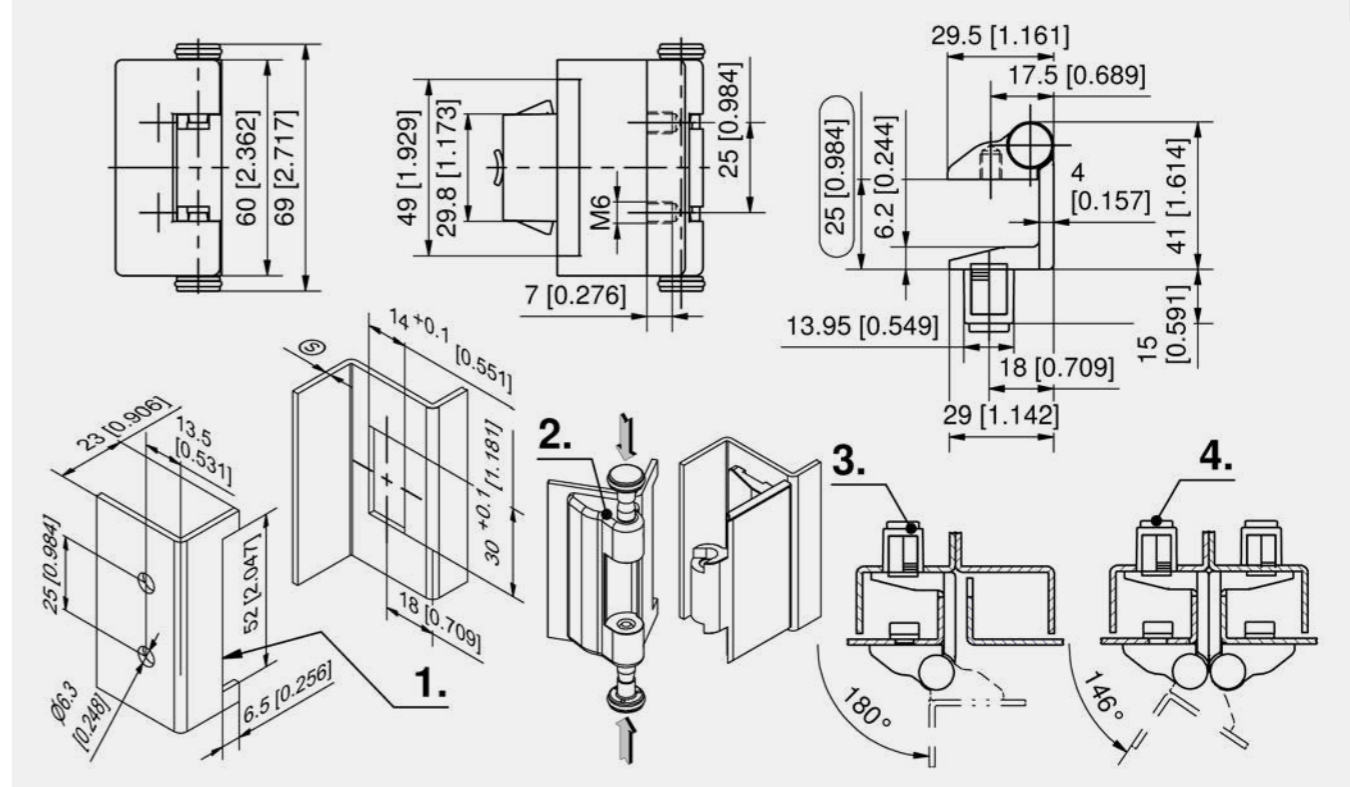
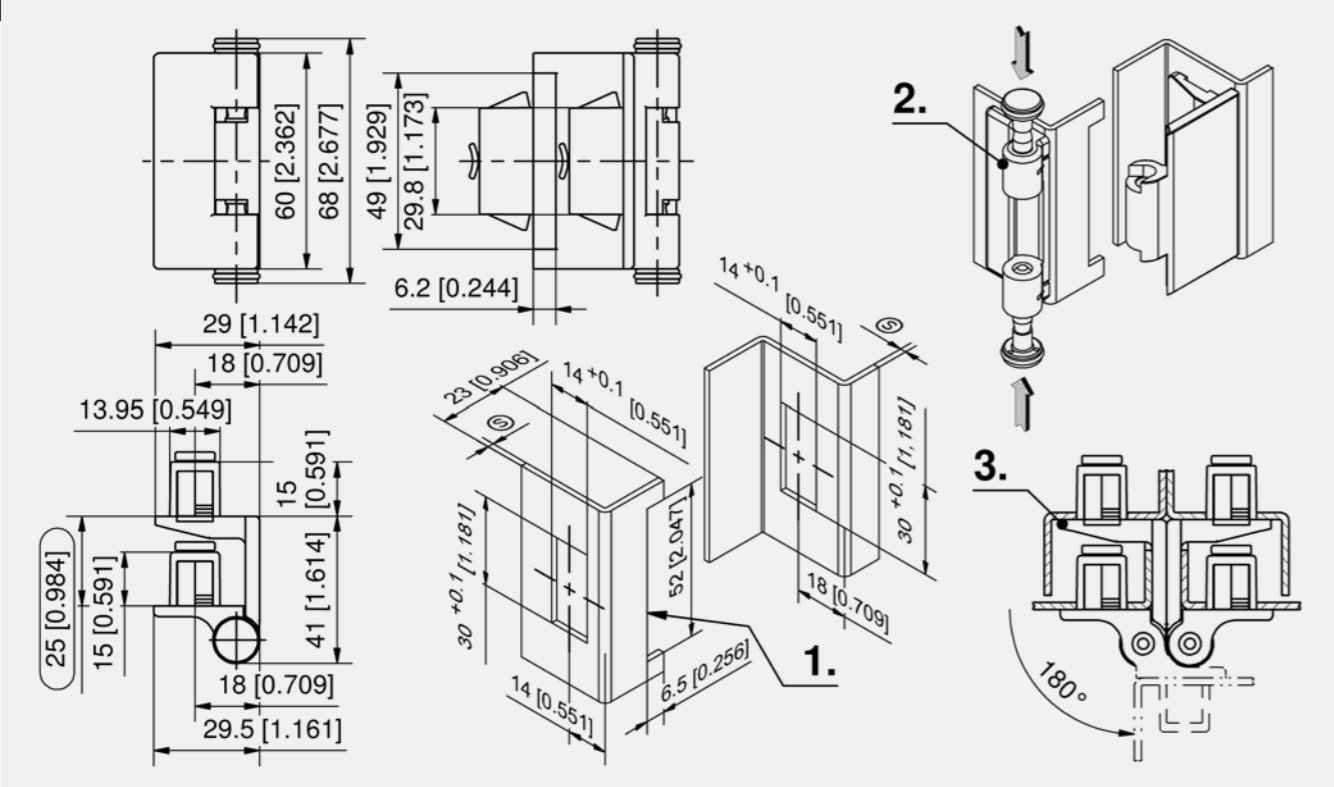
- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- 180° Opening angle.
- Tool-less installation of frame- and door-part.
- Door-part with pre-fitted and captive pin-halves.
- At about 30° door opening the door can be pulled out, after retracting the pin-halves.
- For door installation, the door is inserted into the frame at approx. 30° and the hinge pins are pressed in. (2.)
- IP65 according to DIN EN 60529 (optional).

**Materials**

- **Frame- and door-part and pin:** zinc die, black
- **Snap wedges:** sintered metal, coated
- **Detent spring:** spring steel

**Remarks**

1. Possible notching in the door for a gap of 2mm between door and frame.
  3. 180° Opening angle if hinges are installed on the right **or** on the left.
  4. 146° Opening angle if hinges are installed on the right **and** on the left.
- Frame holes layout is also suitable for mounting dual hooks as on product system 3-910DST shown allowing reversibility of door.



Hinge

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
412-9020.00-00015	1.2 - 1.7 mm	self-locking, 2-parts	tool-less	10 pcs.
412-9020.00-00020	1.7 - 2.2 mm	self-locking, 2-parts	tool-less	10 pcs.
412-9020.00-00025	2.2 - 2.7 mm	self-locking, 2-parts	tool-less	10 pcs.
412-9020.00-00030	2.7 - 3.2 mm	self-locking, 2-parts	tool-less	10 pcs.
412-9020.00-00035	3.2 - 3.7 mm	self-locking, 2-parts	tool-less	10 pcs.

+	Accessories	* Function extension
764	292-0301.15-00000 Tool for uninstallation	200-1005.00-02420 O-ring 24 x 2.0mm
764	292-0306.80-02530 Tool for uninstallation	
762	292-0402.00-03014 Cutout-cover	
763	292-0701.15-01530 Reinforcement plate for cutout	

Hinge

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
412-9062.00-00015	1.2 - 1.7 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.
412-9062.00-00020	1.7 - 2.2 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.
412-9062.00-00025	2.2 - 2.7 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.
412-9062.00-00030	2.7 - 3.2 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.
412-9062.00-00035	3.2 - 3.7 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.

+	Accessories	* Function extension
764	292-0301.15-00000 Tool for uninstallation	200-1005.00-02420 O-ring 24 x 2.0mm
764	292-0306.80-02530 Tool for uninstallation	
762	292-0402.00-03014 Cutout-cover	
763	292-0701.15-01530 Reinforcement plate for cutout	





**Advantages**

- For surface mounted doors for adjacent cabinets.
- Hinge partly visible.
- Door bending 25mm.
- RH / LH application.
- Opening angle 180°. (3.)
- Tool-less installation of door-part.
- Door-part with pre-fitted and captive pin-halves.
- At about 30° door opening the door can be pulled out, after retracting the pin-halves.
- For door installation, the door is inserted into the frame at approx. 30° and the hinge pins are pressed in. (2.)

**Materials**

- Frame- and door-part and pin:** zinc die, black
- Snap wedges:** sintered metal, coated
- Detent spring:** spring steel

**Remarks**

- Possible notching in the door for a gap of 2mm between door and frame.
- Frame holes layout is also suitable for mounting dual hooks as on product system 3-170 or 3-910 shown allowing reversibility of door.
- Fastening can be done with low hexagon nuts M6 DIN EN ISO 4035.



**Advantages**

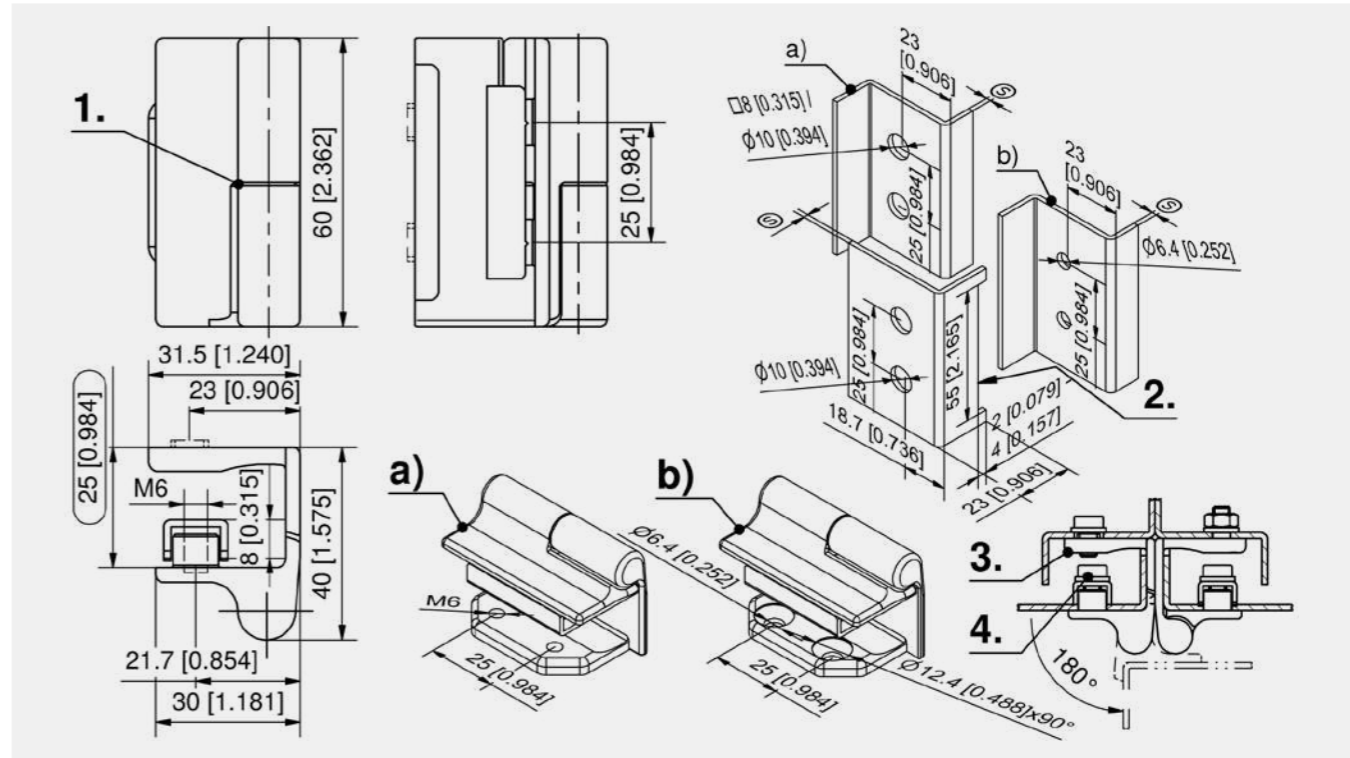
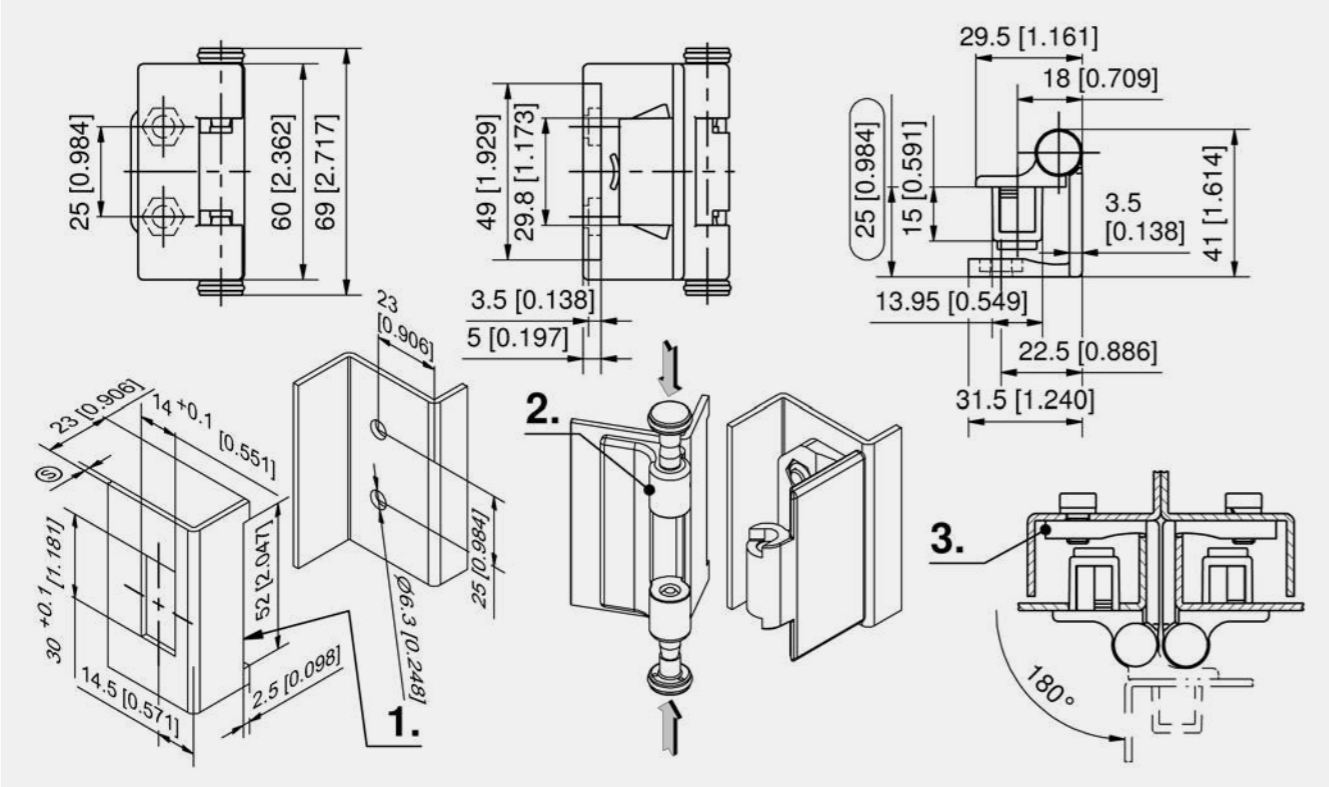
- For surface mounted doors for adjacent cabinets.
- Lift-off.
- Door-bending 25mm.
- RH and LH version.
- 180° Opening angle.
- With M6 threaded stubs for fastening from inside, or Ø6.4mm countersunk holes for fastening from outside.
- The optional notch in the bending (dimension 55) is being concealed by the 60mm wide frame-part.

**Materials**

- a) and b)
- Door- and frame-part:** zinc die, black or chrome plated
- Pin:** stainless steel
- Washer:** brass
- b1)
- Door-part:** zinc die, black
- Frame-part:** steel, black
- Pin:** stainless steel
- Washer:** stainless steel

**Remarks**

- (S) Door-thickness up to 4mm
- washer fixed
  - possible notching in the door for a gap of approx. 1-2mm between door and frame.
  - 180° opening angle if hinges are installed on the right **and** on the left.
  - the max. torque for the door-part screws is 6Nm.



Hinge

Part Number	Clamping range (S)	Pin version	Installation type	Delivery Unit
412-9006.00-00015	1.2 - 1.7 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.
412-9006.00-00020	1.7 - 2.2 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.
412-9006.00-00025	2.2 - 2.7 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.
412-9006.00-00030	2.7 - 3.2 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.
412-9006.00-00035	3.2 - 3.7 mm	self-locking, 2-parts	tool-less / screw-on	10 pcs.

Accessories	
764	292-0301.15-00000 Tool for uninstallation
764	292-0306.80-02530 Tool for uninstallation
762	292-0402.00-03014 Cutout-cover
763	292-0701.15-01530 Reinforcement plate for cutout

Hinge, frame- and door-part zinc die

	Part Number	Version	Surface	Frame-part	Pin version	Installation type	Delivery Unit
a)	212-9042.00-00000	RH version	glossy chrome plated	with M6 threaded stubs	pressed in	screw-on	10 pcs.
b)	212-9043.00-00000	RH version	glossy chrome plated	with countersunk holes Ø6.4mm for M6	pressed in	screw-on	10 pcs.
a)	212-9044.00-00000	LH version	glossy chrome plated	with M6 threaded stubs	pressed in	screw-on	10 pcs.
b)	212-9045.00-00000	LH version	glossy chrome plated	with countersunk holes Ø6.4mm for M6	pressed in	screw-on	10 pcs.
a)	212-9046.00-00000	RH version	black	with M6 threaded stubs	pressed in	screw-on	10 pcs.
b)	212-9047.00-00000	RH version	black	with countersunk holes Ø6.4mm for M6	pressed in	screw-on	10 pcs.
a)	212-9048.00-00000	LH version	black	with M6 threaded stubs	pressed in	screw-on	10 pcs.
b)	212-9049.00-00000	LH version	black	with countersunk holes Ø6.4mm for M6	pressed in	screw-on	10 pcs.

Hinge, frame-part steel, door-part zinc die

	Part Number	Version	Surface	Frame-part	Pin version	Installation type	Delivery Unit
b1)	212-9082.00-00000	RH version	black	with countersunk holes Ø6.4mm for M6	pressed in	screw-on	10 pcs.
b1)	212-9083.00-00000	LH version	black	with countersunk holes Ø6.4mm for M6	pressed in	screw-on	10 pcs.





**Advantages**

- For surface mounted doors for adjacent cabinets.
- Hinge partly-concealed.
- Door bending 20mm.
- RH and LH version.
- 180° opening angle.
- Tool-less installation of frame- and door-part.
- Door can be lifted-off at 30° opening angle.
- Lift-off safety, the door can't be lifted-off in closed position.
- IP65 according to DIN EN 60529 by flat external seal (optional).

**Materials**

- Frame- and door-part:** zinc die, black
- Snap wedges:** sintered steel
- Pin and spring:** stainless steel
- Washer:** brass, nickel plated
- Plug:** NBR, black

**Remarks**

For uninstallation (1.) of the frame-part remove plug (2.). Frame-part can be disengaged from outside with a screw driver.

Possible notching in the door for a gap of approx. 1-2mm between door and frame.

**Attention:** If you use the external seal (only necessary for the frame part), please order a larger clamping range.



**Advantages**

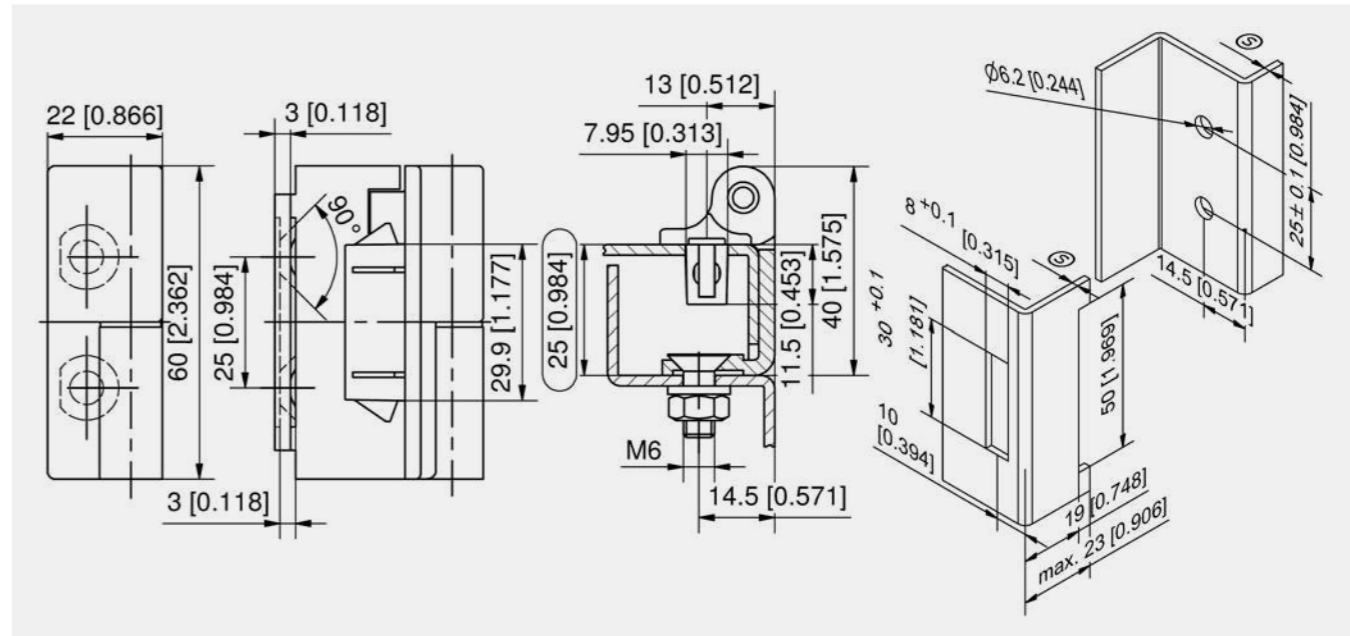
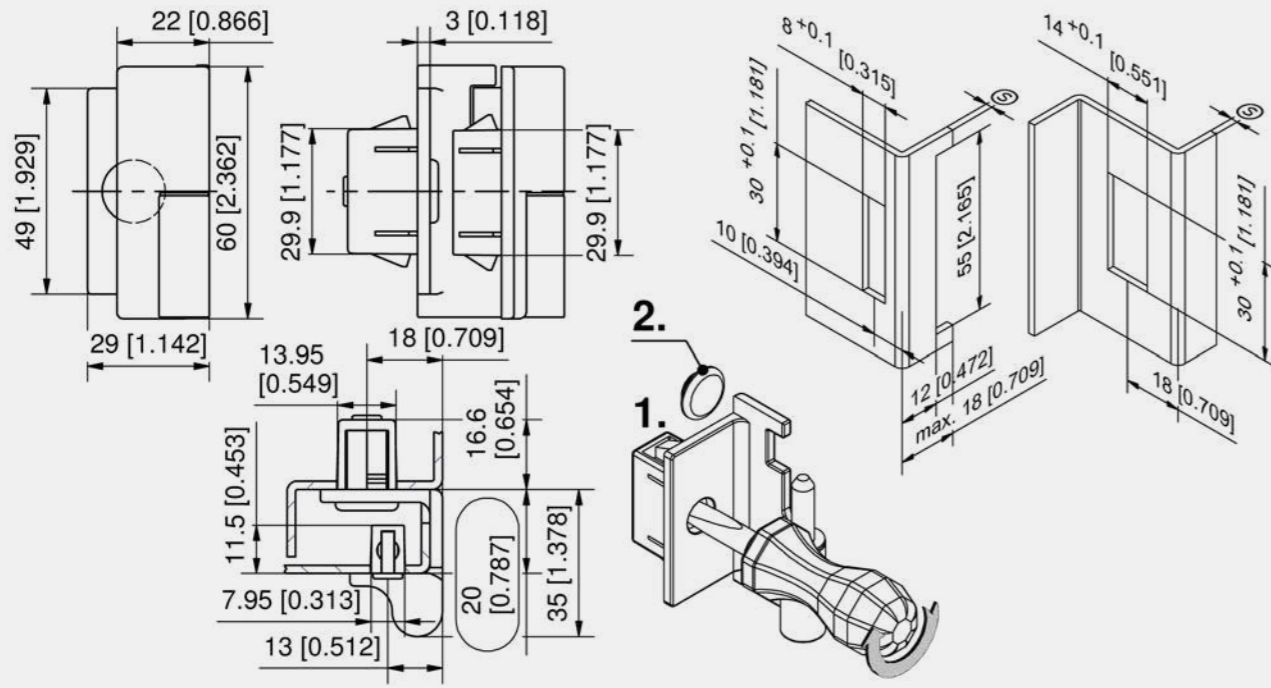
- For surface mounted doors for adjacent cabinets.
- Hinge partly-concealed.
- Door bending 25mm.
- RH and LH version.
- 180° opening angle.
- Tool-less installation of door-part.
- Door can be lifted-off at 30° opening angle.
- Lift-off safety, the door can't be lifted-off in closed position.

**Materials**

- Door-part:** zinc die, black
- Frame-part:** steel, black
- Snap wedges:** sintered steel
- Pin and spring:** stainless steel
- Washer:** brass, nickel plated

**Remarks**

Possible notching in the door for a gap of approx. 1-2mm between door and frame.



Hinge

Part Number	Version	Clamping range frame-part (S)	Clamping range door-part (S)	Pin version	Installation type	Delivery Unit
412-9008.00-01515	RH version	1.4 - 1.7 mm	1.3 - 2.0 mm	pressed in	tool-less	10 pcs.
412-9008.00-02020	RH version	1.8 - 2.1 mm	1.8 - 2.5 mm	pressed in	tool-less	10 pcs.
412-9008.00-02523	RH version	2.2 - 2.5 mm	2.3 - 3.0 mm	pressed in	tool-less	10 pcs.
412-9008.00-03030	RH version	2.8 - 3.1 mm	2.8 - 3.5 mm	pressed in	tool-less	10 pcs.
412-9009.00-01515	LH version	1.4 - 1.7 mm	1.3 - 2.0 mm	pressed in	tool-less	10 pcs.
412-9009.00-02020	LH version	1.8 - 2.1 mm	1.8 - 2.5 mm	pressed in	tool-less	10 pcs.
412-9009.00-02523	LH version	2.2 - 2.5 mm	2.3 - 3.0 mm	pressed in	tool-less	10 pcs.
412-9009.00-03030	LH version	2.8 - 3.1 mm	2.8 - 3.5 mm	pressed in	tool-less	10 pcs.

Accessories	
+	763 292-0701.15-01530 Reinforcement plate for cutout
	763 292-0702.15-01030 Reinforcement plate for cutout
	762 292-0402.00-03014 Cutout-cover
	764 292-0306.80-02530 Tool for uninstallation

Function extension	
*	209-3301.00-00000 Flat external seal

Hinge

Part Number	Version	Clamping range door-part (S)	Pin version	Installation type	Delivery Unit
412-9016.00-00015	RH version	1.3 - 2.0 mm	pressed in	tool-less / screw-on	10 pcs.
412-9016.00-00020	RH version	1.8 - 2.5 mm	pressed in	tool-less / screw-on	10 pcs.
412-9016.00-00025	RH version	2.3 - 3.0 mm	pressed in	tool-less / screw-on	10 pcs.
412-9016.00-00030	RH version	2.8 - 3.5 mm	pressed in	tool-less / screw-on	10 pcs.
412-9017.00-00015	LH version	1.3 - 2.0 mm	pressed in	tool-less / screw-on	10 pcs.
412-9017.00-00020	LH version	1.8 - 2.5 mm	pressed in	tool-less / screw-on	10 pcs.
412-9017.00-00025	LH version	2.3 - 3.0 mm	pressed in	tool-less / screw-on	10 pcs.
412-9017.00-00030	LH version	2.8 - 3.5 mm	pressed in	tool-less / screw-on	10 pcs.

Accessories	
+	763 292-0702.15-01030 Reinforcement plate for cutout
	764 292-0306.80-02530 Tool for uninstallation





**Advantages**

- Latching positions at -5°, 85° and 175°.
- The negative latching position can keep the door firmly shut even against a rubber seal.
- Beginning of compression at a position of approx. 5°.
- For nested doors.
- Hinge visible.
- RH / LH application.

**Materials**

■ **Hinge halves:** zinc die, black

**Remarks**

1. beginning of compression



**Advantages**

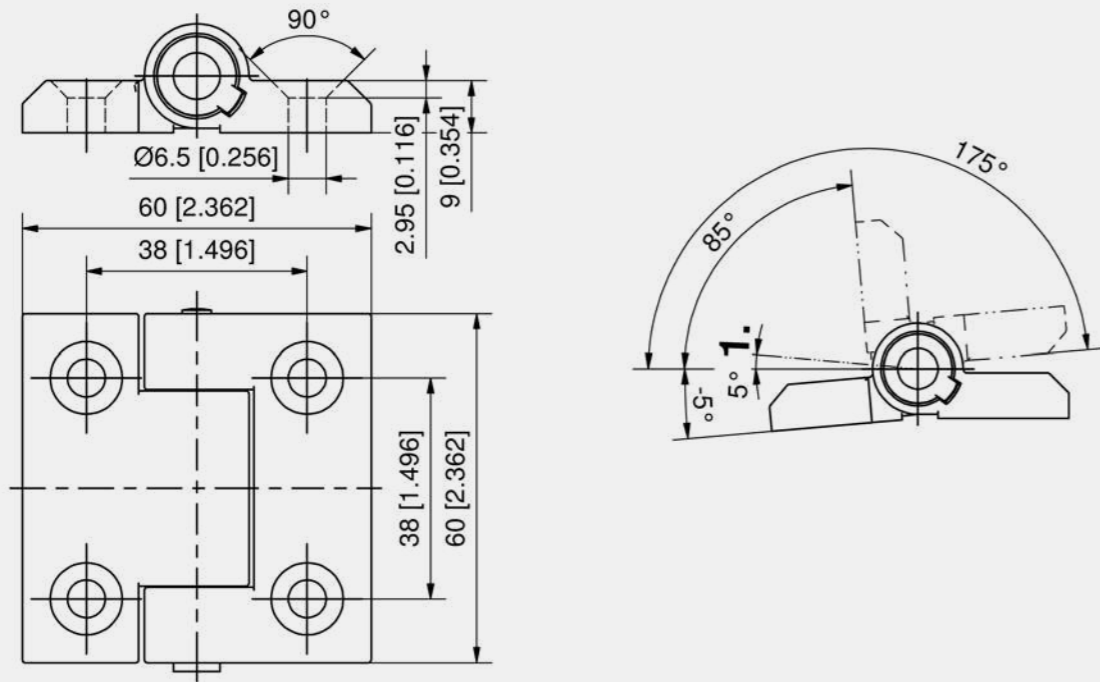
- For nested doors.
- Hinge visible.
- RH / LH application.
- Variant a) with a detend position at 120° and 0°.
- Variant b) 180° Opening angle.

**Materials**

- **Frame-part:** AISI 440B, untreated, hardened
- **Door-part variant a):** AISI 440B, black coated, hardened
- **Door-part variant b):** zinc die, black coated
- **Pins:** steel, zinc plated

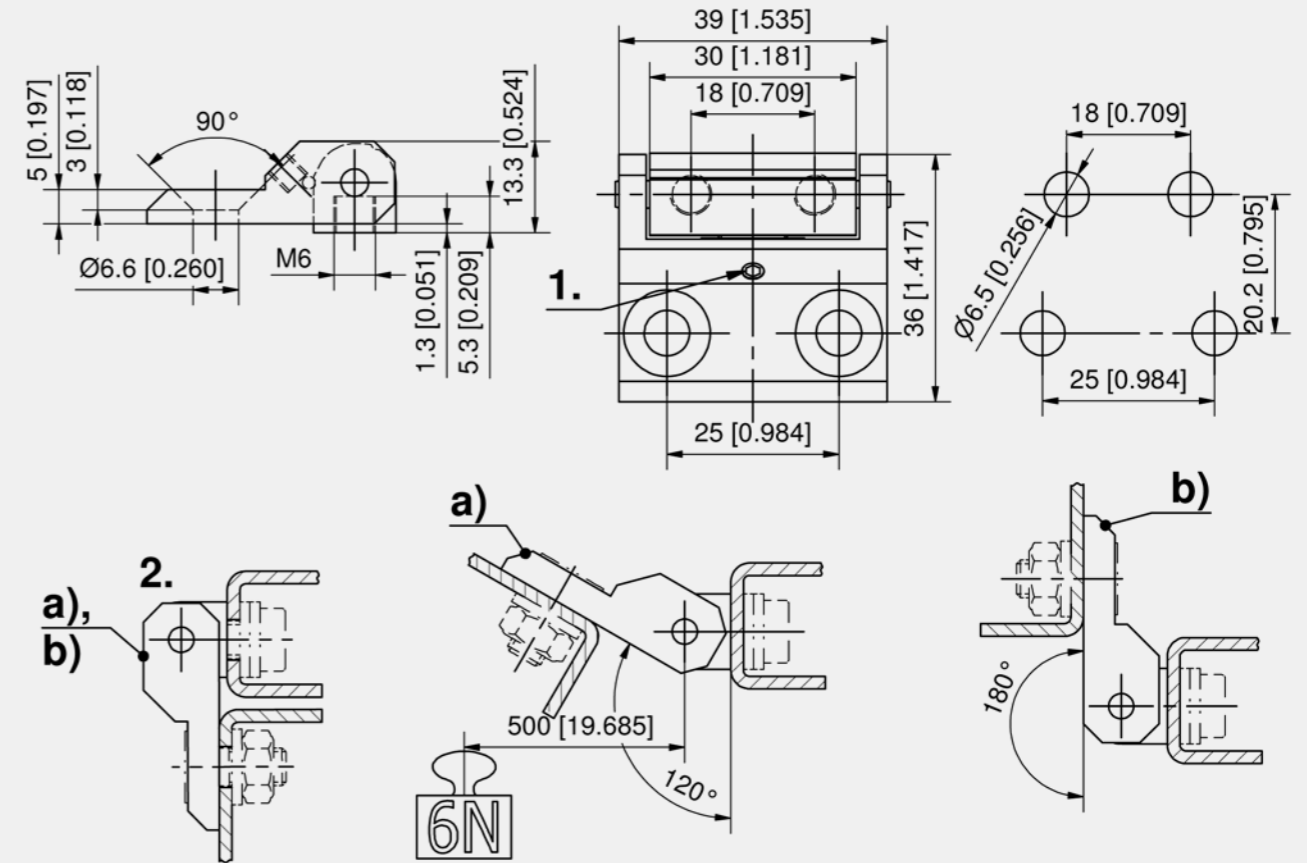
**Remarks**

1. set screw for adjusting the latching force
2. closed flap



Detent hinge

Part Number	Pin version	Installation type	Delivery Unit
218-9213.00-00000	pressed in	screw-on	6 pcs.



Detent hinge

Part Number	Version	Opening angle	Pin version	Installation type	Delivery Unit
250-9103.00-00000	with detend function	120°	pressed in	screw-on	1 pc.
250-9104.00-00000	without detend function	180°	pressed in	screw-on	1 pc.





**Advantages**

- Hinge with constant torque throughout its full range of motion.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- Continuously adjustable torque 0-5Nm. The adjustment of the torque is made with a hexagon socket key size 4 in the hinge shaft.
- The doors may be moved into any position and remain at exactly that position.
- Free from any detent.
- Also usable as coverstay for light duty application.

**Materials**

- **Hinge and covers:** PA, black
- **Pin:** stainless steel

**Remarks**

- Installation with hexagon screws or hexagon nuts M6.
- 1. cover



**Advantages**

- Hinge with constant torque throughout its full range of motion.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- Continuously adjustable torque 0-5Nm. The adjustment of the torque is made with a hexagon socket key size 4 in the hinge shaft.
- The doors may be moved into any position and remain at exactly that position.
- Free from any detent.
- Also usable as coverstays for light duty application.

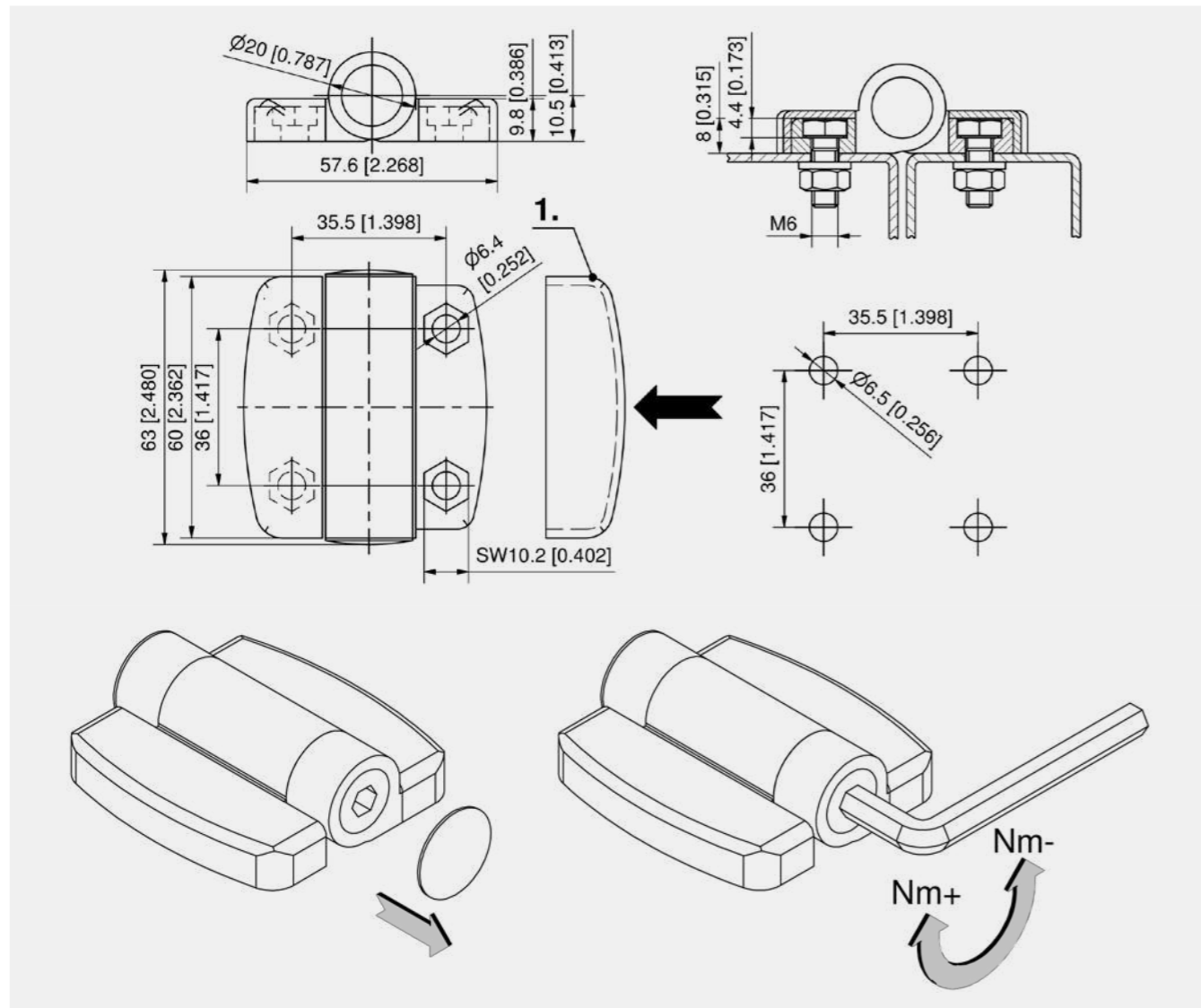
**Materials**

- **Hinge and covers:** PA, black
- **Pin:** stainless steel

**Remarks**

- Installation with hexagon screws or hexagon nuts M6.
- 1. cover

Hinges

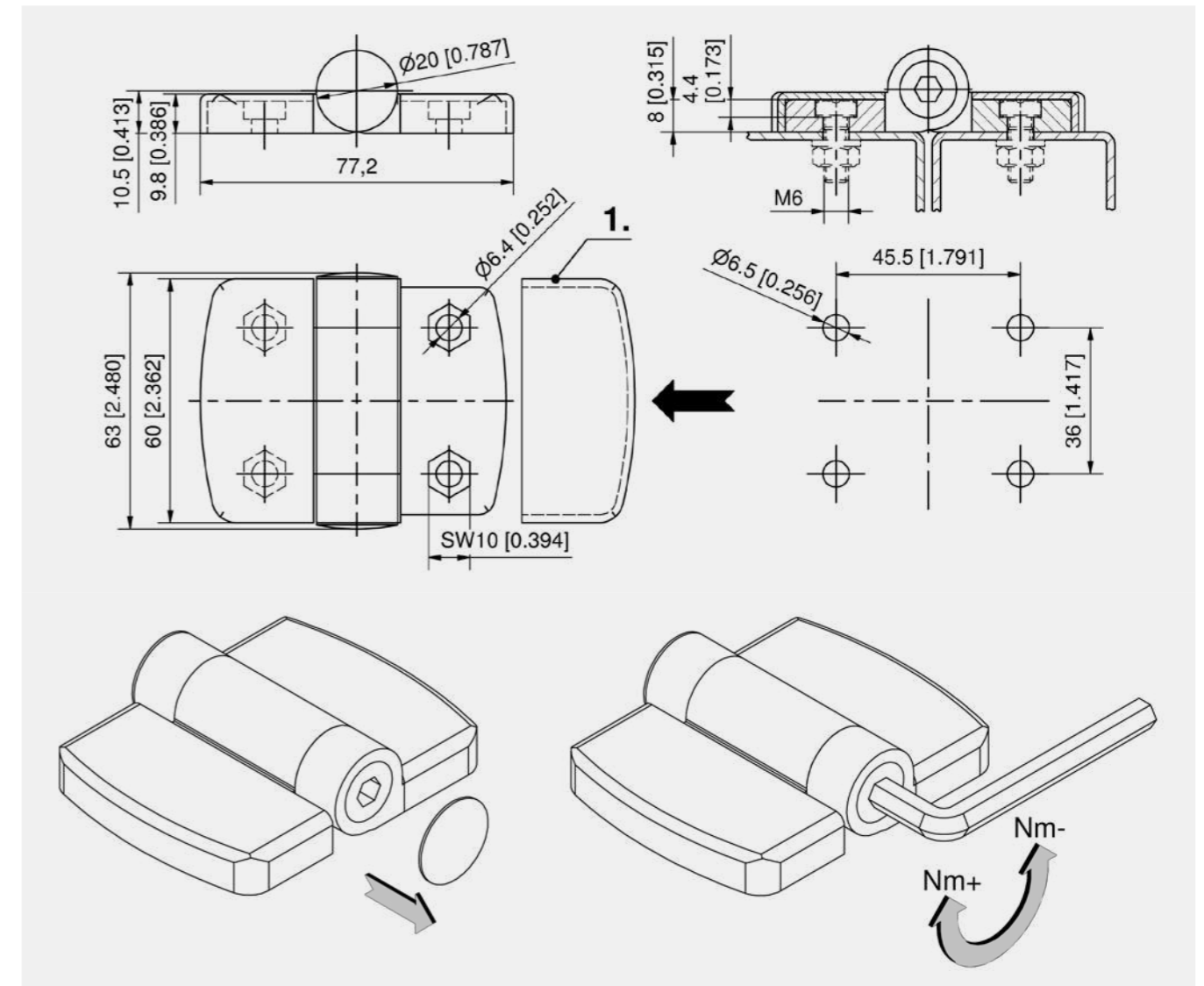


Torque hinge

Part Number	NM (both directions)	Pin version	Installation type	Delivery Unit
703-9011.00-00000	0-5	screwed	screw-on	10 pcs.



Hinges



Torque hinge

Part Number	NM (both directions)	Pin version	Installation type	Delivery Unit
703-9012.00-00000	0-5	screwed	screw-on	10 pcs.





**Advantages**

- Hinge with constant torque throughout its full range of motion.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- Free from any detent.
- Springback typically <1°.
- Life of > 20,000 cycles.

**Materials**

- **Housing:** zinc die, black coated
- **Shaft and torque clips:** hardened steel

**Remarks**

Fastening: for example with M4 screws DIN EN ISO 4762.

**Price and delivery time on request!**



**Advantages**

- Hinge with constant torque throughout its full range of motion.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- Free from any detent.
- Springback typically <1°.
- Life of > 20,000 cycles.

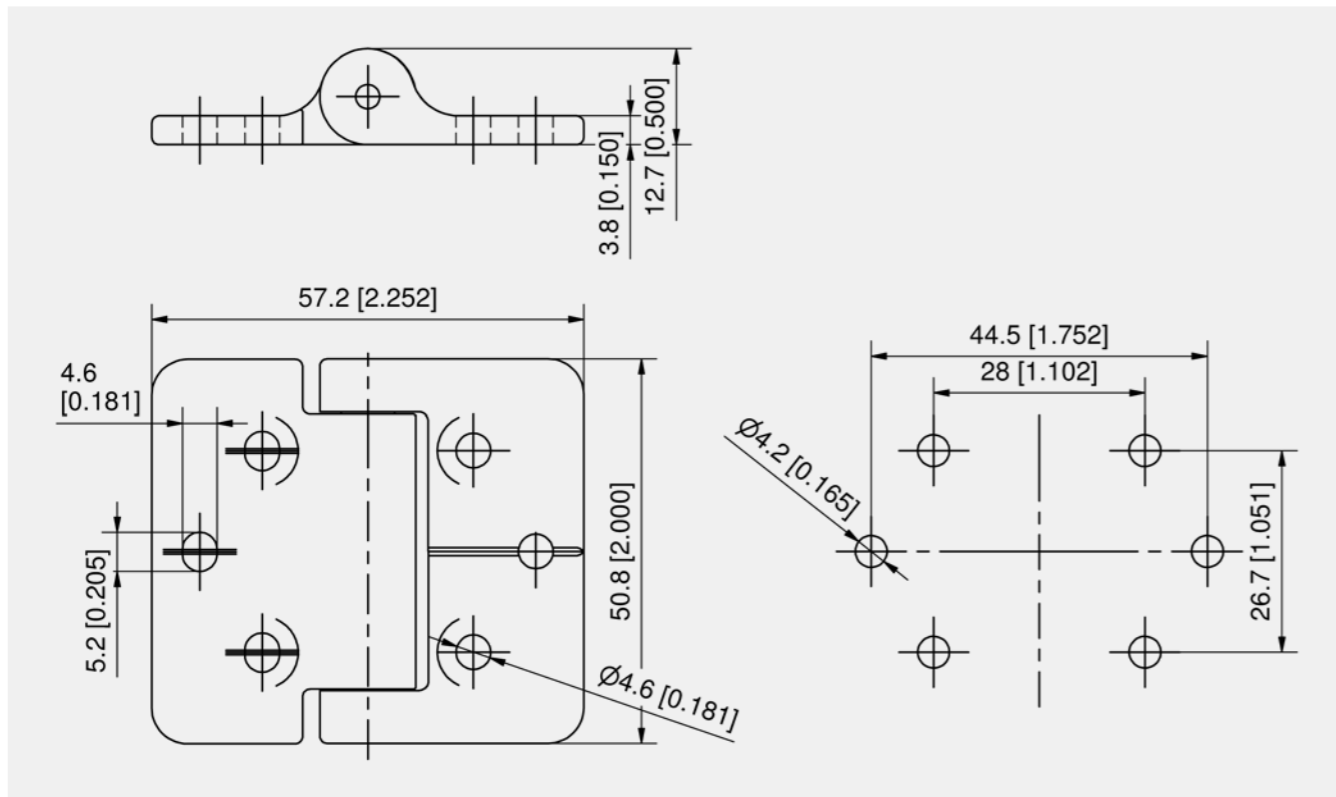
**Materials**

- **Housing:** zinc die, black coated
- **Shaft and torque clips:** hardened steel

**Remarks**

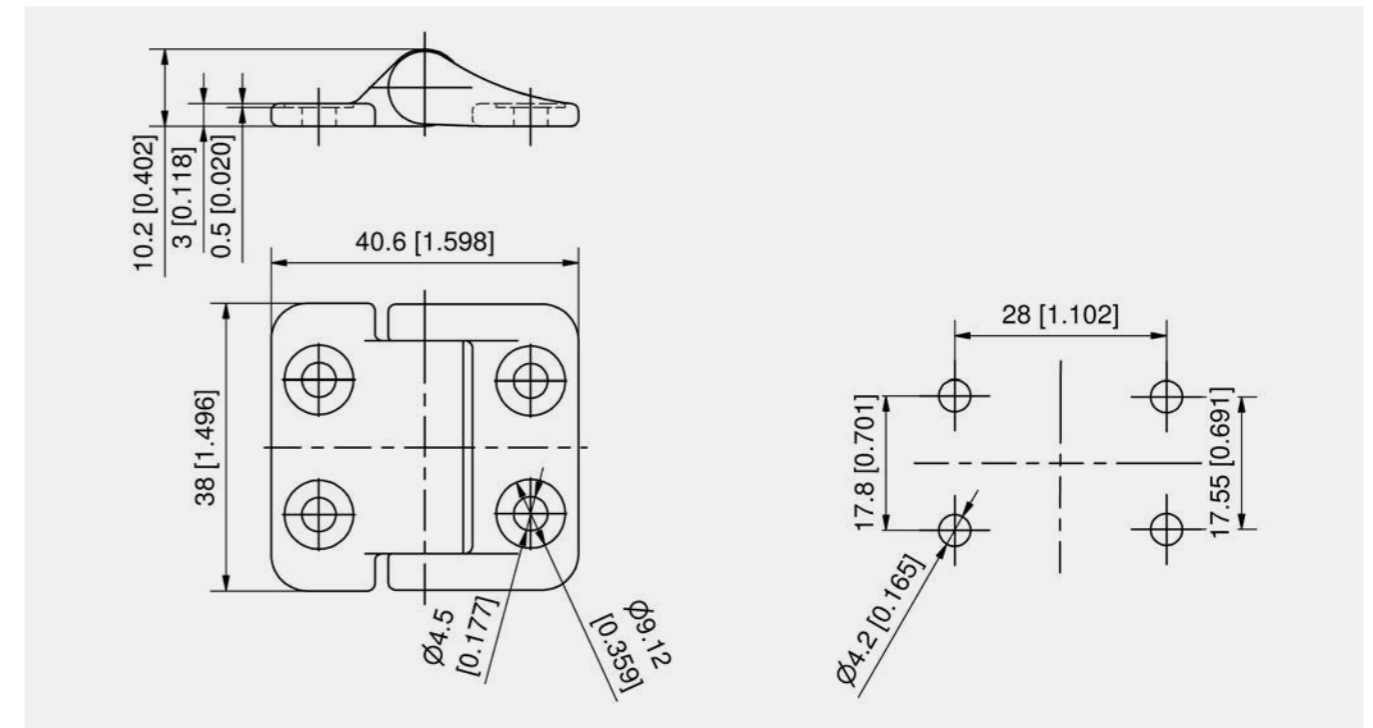
Fastening: for example with M4 screws DIN EN ISO 4762.

**Price and delivery time on request!**



Torque hinge

Part Number	NM (both directions)	Pin version	Installation type	Delivery Unit
703-9001.00-00120	1,36	pressed in	screw-on	10 pcs.
703-9001.00-00200	2,26	pressed in	screw-on	10 pcs.



Torque hinge

Part Number	NM (both directions)	Pin version	Installation type	Delivery Unit
703-9002.00-00120	1,22	pressed in	screw-on	10 pcs.
703-9002.00-00200	2,01	pressed in	screw-on	10 pcs.







**Advantages**

- Hinge with constant torque throughout its full range of motion.
- For nested doors.
- Hinge visible.
- RH / LH application.
- 270° Opening angle.
- Free from any detent.
- Springback typically < 1°.
- Life of > 10,000 cycles.

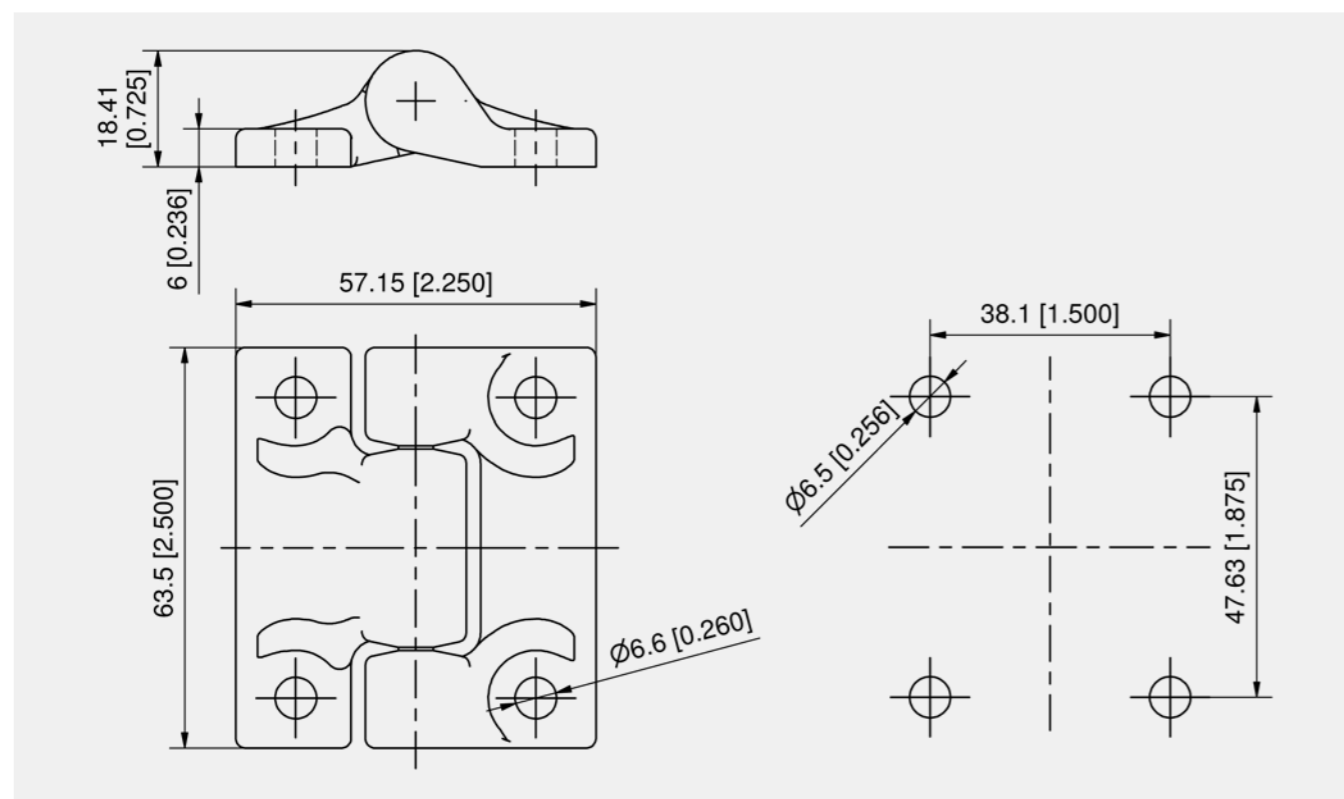
**Materials**

- **Housing:** PA
- **Shaft and torque clips:** hardened steel

**Remarks**

Fastening: for example with M4 screws DIN EN ISO 4762.

**Price and delivery time on request!**



Torque hinge

Part Number	NM (both directions)	Pin version	Installation type	Delivery Unit
703-9003.00-00140	1,38	pressed in	screw-on	10 pcs.
703-9003.00-00220	2,16	pressed in	screw-on	10 pcs.



Hinge Pr05 180° Stainless Steel

See page 631





		All (=black) / some (=gray) products on this page have this feature	
		DIRAK-SNAP-Technology	
		Tool-less installation	
		Product line base	
		Stainless steel / Hygienic design	
		UL-listed materials	
		UR / UL certification	
		Pr14.1: cutout size 14.1 mm / Pr20.1: cutout size 20.1 mm	
			Standard cutout size swinghandle
			Safety-tested in accordance with DIN EN 1627
			Shock- and vibration-tested in accordance with DIN EN 61373
			Product suitable for round rod / flat rod
			Captive seal: foamed PUR seal / pressed in o-ring
			Profile half-cylinder in accordance with DIN 18252
			RH / LH application
			Door nested, hinge visible / invisible
			Door surface-mounted, hinge visible / partly visible / invisible
			Individual or adjacent cabinets
			Opening angle of hinges from 90° to 270°
			Hinge lift-off
			Product is grounded if correctly installed
			IP protection classes 54, 65, 67, 66, 69K as respectively indicated
			Maximum recommended tightening torque for securing nuts of the quarter-turns
			Max. recommended tightening torque for the serrated screw
			Conforms to RoHS and WEEE directives
			Function extension / Accessories and Specific accessories / Assembly options

Explanation of the symbols:  
Please unfold.

Data status: September 2022  
Part No. 910-0101.02-00000

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