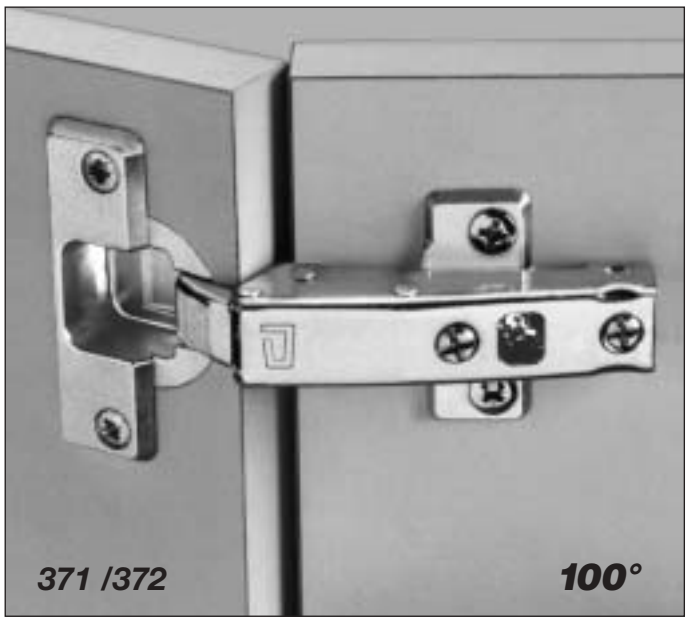
PRÄMATIC 300
BOSS HINGES

- Strong nickel-plated all-metal version for concealed mounting of the hinges
- Easy to fit owing to very short push-in distance
- Proven secure screw connection
- 3-dimensional adjustment to achieve uniform joint measures
- All-steel closing mechanism for soft closing and easy opening
- Quality for perfect cabinet manufacturing

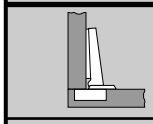
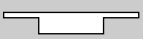
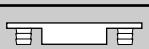
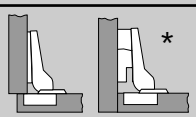
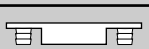
Opening angle
100°

TECHNICAL INFORMATION

- Standard drilling diagram for all PRÄMATIC hinges
- All PRÄMATIC-300 hinges can be mounted on all baseplates of the system (vide p. 4)
- Fastening screw with cutting edge provides a secure slide-free fit of the hinge
- Side adjustment ± 2 mm
- Depth adjustment ± mm (secured against loosening of door)
- Height adjustment ± mm (via baseplate)
- Hardened axles and U-shaped hinge parts.



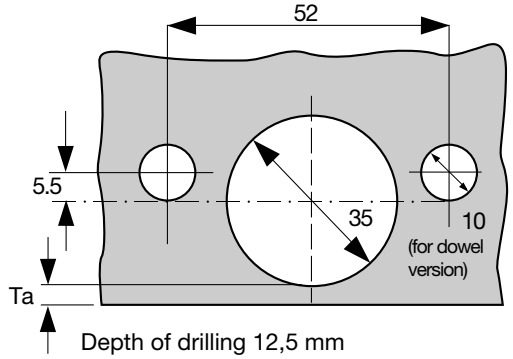
Ordering data

Mounting	Boss	Opening angle 100° without closing mechanism	Opening angle 100° with	PU pieces
		371.10	372.10	100
		371.20	372.20	100
 *		371.19	372.19	100
		371.29	372.29	100

* achieved by using 6 or 9 mm baseplate

TECHNICAL INFORMATION

Door drilling diagram



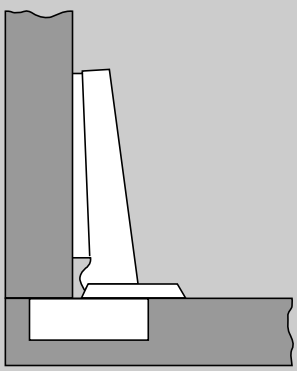
Depth of drilling 12,5 mm
Ta = boss distance 2 – 5 mm
Boss fixing by chipboard screws ø 4

Further technical informatin vide page 5

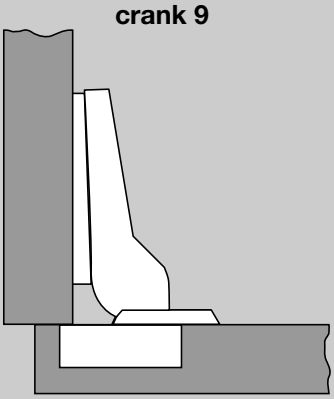
- Standard drilling diagramm for all PRÄMATIC boss hinges
- Side and depth adjustment ± 2 mm
- Height adjustment via elongated holes in the baseplates ± 2 mm
- Hardened axles and U-shaped hinge parts
- Fastening screw with cutting edge provides a secure slide-free fit of the hinge

PRÄMATIC 300 BOSS HINGES

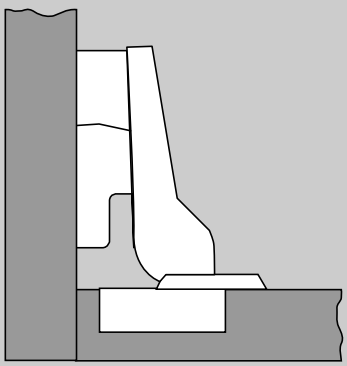
Corner mounting Crank 0



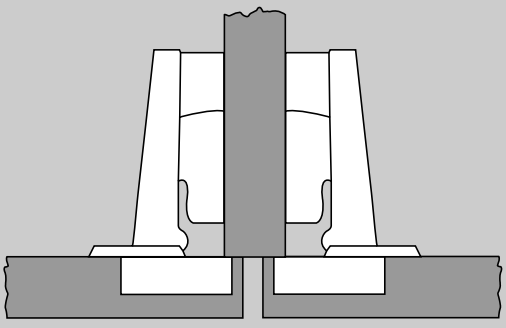
Middle mounting crank 9



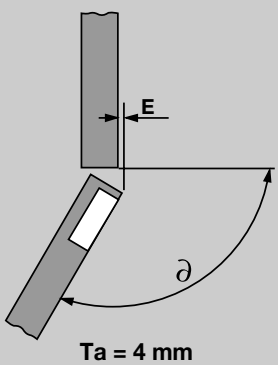
Inset mounting, crank 9, with baseplate 6 mm



Double mounting with baseplate 9 mm



Door inward jump



Ta = 4 mm
Baseplate 0

Hinge type	Crank mm	Opening angle ∂	Inward jump E mm
371 – 10/20 372 – 10/20	0	100°	7
371 – 19/29 372 – 19/29	9	100°	16

PRÄMATIC 300 BOSS HINGES

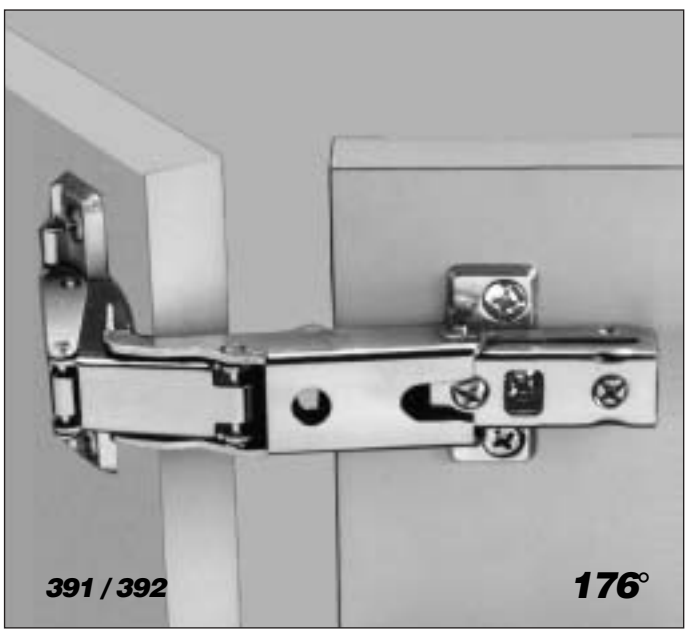
PRÄMATIC 300
BOSS HINGES

- Strong nickel-plated all-metal version for concealed mounting of the hinges
- Flat design and space saving movement pattern for better usage of cabinet space
- Full clearing of doors opened at 90° or more
- Easy to fit owing to very short push-in distance
- Proven secure screw connection
- 3-dimensional adjustment to achieve uniform joints
- All-steel closing mechanism for soft closing and easy opening
- Quality for perfect cabinet manufacturing

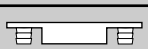
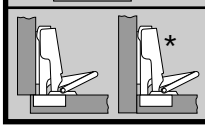
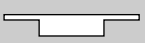
Opening angle
176

TECHNICAL INFORMATION

- Standard drilling diagram for all PRÄMATIC hinges
- All PRÄMATIC-300 hinges can be mounted on all baseplates of the system (vide p. 4)
- Fastening screw with cutting edge provides a secure slide-free fit of the hinge
- Side adjustment ± mm
- Depth adjustment ± 2 mm (secured against loosening of door)
- Height adjustment ± 2 mm (via baseplate)
- Hardened axles and U-shaped hinge parts.



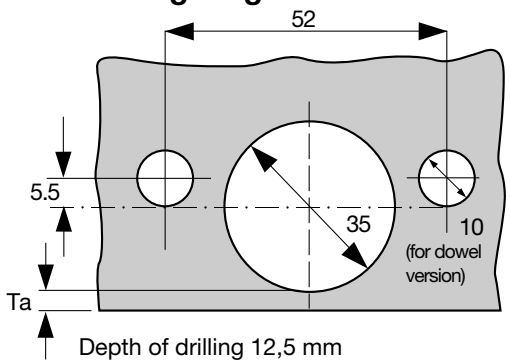
Ordering data

Mounting	Boss	Opening angle 176° without closing mechanism	Opening angle 176° with	PU pieces
		391.10	392.10	50
		391.20	392.20	50
 *		391.19	392.19	50
		391.29	392.29	50

* achieved by using 6 oder 9 mm baseplate

TECHNICAL INFORMATION

Door drilling diagram

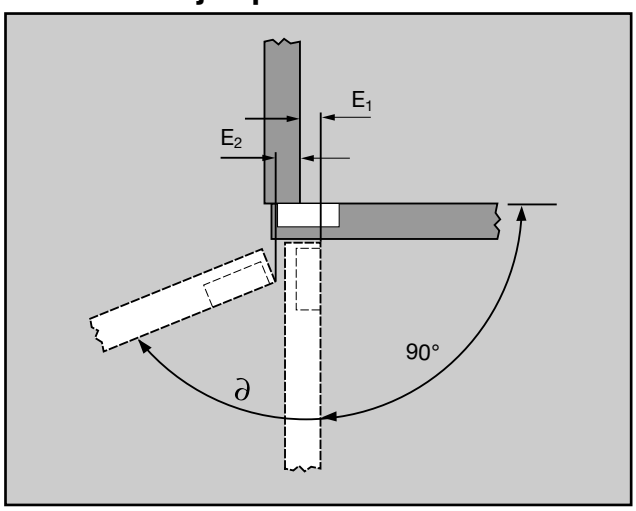


Depth of drilling 12,5 mm
Ta = boss distance 2 – 5 mm
Boss fixing by chipboard screws ø 4

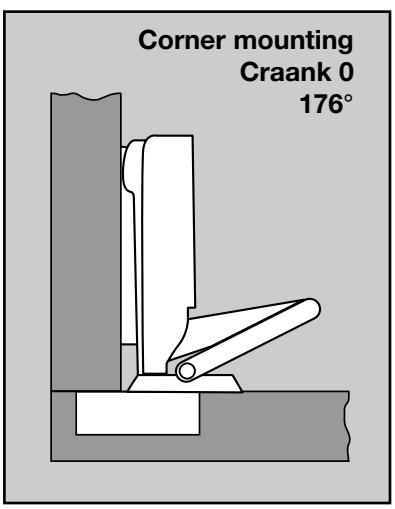
- Easy mounting in a sequence of your choice
- Standard drilling for all PRÄMATIC boss hinges
- Side and depth adjustment ± 2 mm
- Height adjustment via elongated holes in the baseplates ± 2 mm
- Hardened axles and U-shaped hinge parts
- Fastening screw with cutting edge provides a secure slide-free fit of the hinge

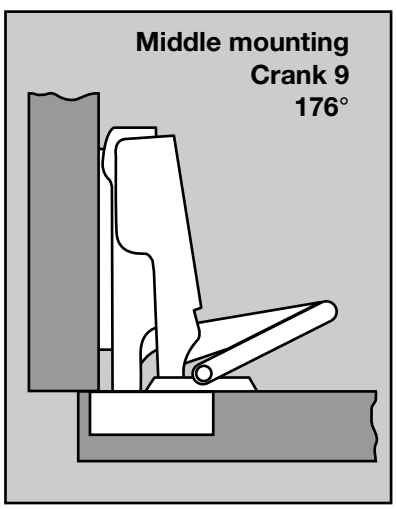
PRÄMATIC 300 BOSS HINGES

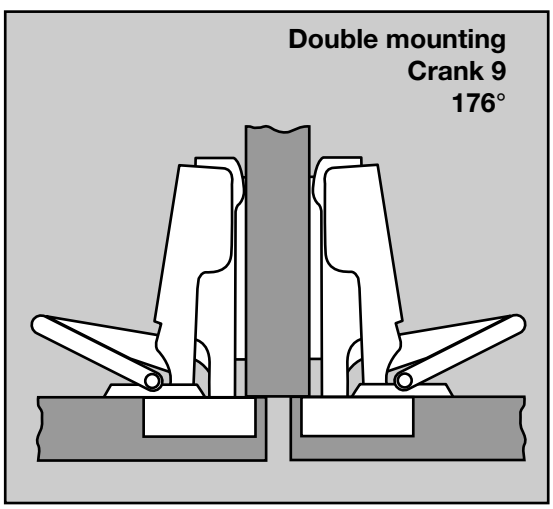
Door inward jump



Hinge type	Crank mm	Inward door step in mm			
		At opening angle of	E_1	At max. open. angle ∂	E_2
391 10 a. 20 392 10 a. 20	0	90°	11	176°	–1
391 19 a. 29 392 19 a. 29	9	90°	20	176°	9
Data given for Ta = 4 mm					



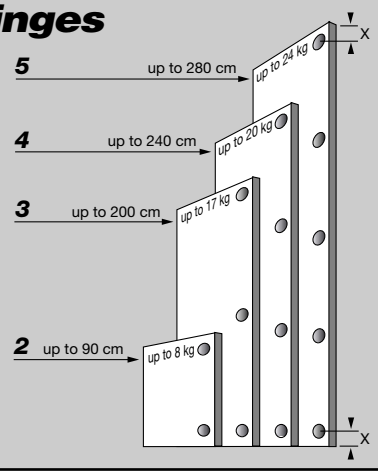




TECHNICAL INFORMATION

Number of hinges

- Recommended for 19 mm chipboard with a density of 650 kp/m³
- Door width up to 60 cm
- Doors should not be wider than high
- X = max 10 cm



Minimum joint through door edge outward displacement (for boss distance 4 mm)

Door thickness	16	17	18	19	20	21	22
100°	0,8	1,0	1,3	1,5	2,0	2,5	3,0
176°	1,0	1,0	1,0	1,0	1,5	1,5	2,0

To enable a simultaneous opening of both doors in the case of middle or double mounting aminimum joint of double size has to be foreseen

Joints – Door overlays – Baseplate distances

Boss distance	Door overlays: Front-hung mounting 19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	Inset mounting -1	-2	-3
2				0	0	0	0	0					0	0	0	0	0						
						2	2	2	2	2					2	2	2	2	2				
										6	6	6	6	6					6		6	6	6
													9	9	9	9	9					9	9
Recommendation 3			0	0	0	0	0					0	0	0	0	0							
					2	2	2	2	2					2	2	2	2	2					
									6	6	6	6	6					6	6		6	6	
												9	9	9	9	9					9	9	9
4		0	0	0	0	0					0	0	0	0	0								
				2	2	2	2	2					2	2	2	2	2						
								6	6	6	6	6					6	6	6		6		
											9	9	9	9	9						9	9	9
5	0	0	0	0	0					0	0	0	0	0									
			2	2	2	2	2					2	2	2	2	2							
							6	6	6	6	6					6	6	6	6				
										9	9	9	9	9							9	9	9

Hinge with 0 mm crank | Hinge with 9 mm crank

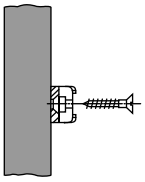
0 = respective basic position

Possible side adjustment ± 2 mm

All dimensions in mm

PRÄMATIC 300 BOSS HINGES

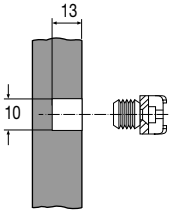
Screw baseplate
for 2 chipboard
screws Ø 4



Distance	With height adjustment	PU
0 mm	301.20	100

All versions zinc-plated

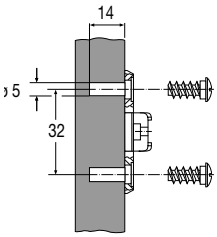
insert baseplate,
plastic dowels Ø 10



Distance	With height adjustment	PU
0 mm	302.20	100

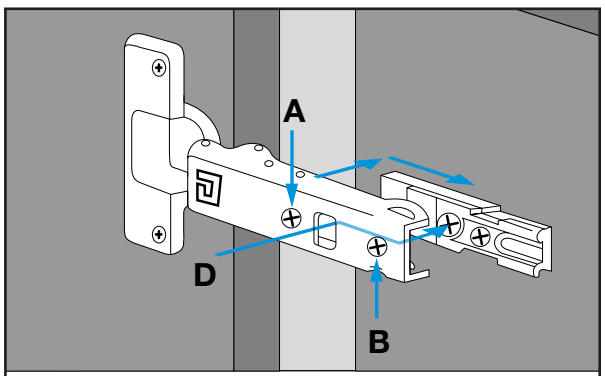
All versions zinc-plated

Flanged
baseplate for
Euroscrews
S 6,3 x 13 (10)



Distance	Standard	With height adjustment	PU
0 mm	303.10	303.20	100
2 mm	303.12	–	100
6 mm	303.16	–	100
9 mm	–	303.29	100

All versions nickel-plated



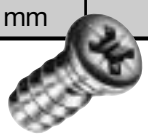
Fixing screw A, fastening screw B,
height adjustment screw D

Plastic distance plate,
2 plates can be stacked

Distance	Standard	With height adjustment	PU
3 mm	319.03	319.03	100

Euroscrew for holes Ø 5

Length	Nickel-plated version	PU	
10 mm	S 6,3 x 10	200	1000
13 mm	S 6,3 x 13	200	1000
16 mm	S 6,3 x 16	200	1000
19 mm	S 6,3 x 19	200	1000



PRÄMATIC 300
ZINK DIE-CAST BASEPLATES