



SUPPORTING ROLLERS. HINGE TECHN

■ SYSTEM TECHNOLOGY FOR THE DOOR

G
OLOGY



TABLE OF CONTENT

Horizon ▪ OBX-20 for rebated doors

OBX-20-1531/160	Page 215
OBX-20-2541/160	Page 216
OBX-20-2542/160	Page 217

Horizon ▪ OBX-18 for unrebated doors

OBX-18-1531/160	Page 219
OBX-18-1531/120	Page 220
OBX-18-1534/160	Page 221
OBX-18-2541/160	Page 222
OBX-18-2541/120	Page 223

Horizon ▪ OBX-14 for unrebated doors

OBX-14-4526	Page 226
-------------	----------

Horizon ▪ OBN-20/18 for unrebated doors

OBN-20-4141/160 R	Page 228
OBN-18-4141/160 R	Page 229
OBN-18-4141/120 R	Page 230

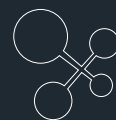


TABLE OF CONTENT

Horizon ▪ OBN-14 for unrebated doors

OBN-14	Page 231
--------	----------

OBN-13/18 series

OBN-13 Butt hinge	Page 235
OBN-13-433H/102 Rising hinge	Page 236
OBN-13 Security hinge	Page 237
OBN-13-4325ZM/102 Flush hinge	Page 238
OBN-18-5503Q/127 Flag hinge	Page 239
OBN-18 Spring hinge	Page 240

3D Adjustable concealed hinges

OBC-25-1440/150Z-3D	Page 241
OBC-28-1640/177Z-3D	Page 242
OBC-34-1845/246Z-3D	Page 243

OBX-Frame boxes/Cover plates/Lifting lugs

OBX-frame boxes	Page 244
Cover plates	Page 249
Lifting lugs	Page 251



ECO **Horizon** 

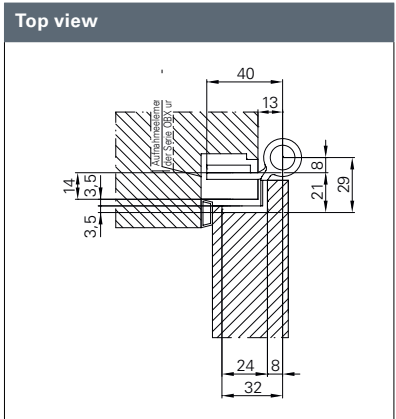
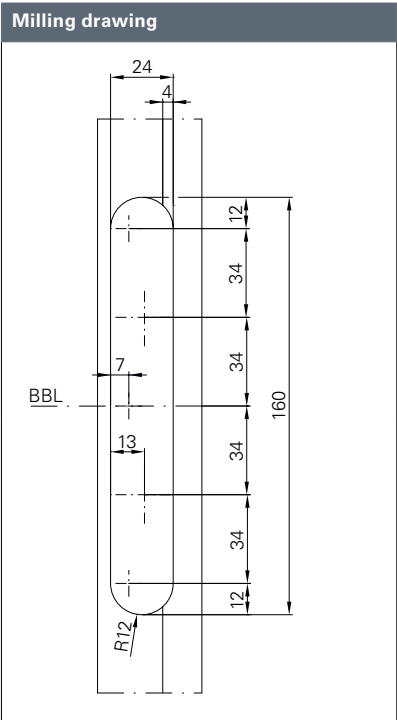
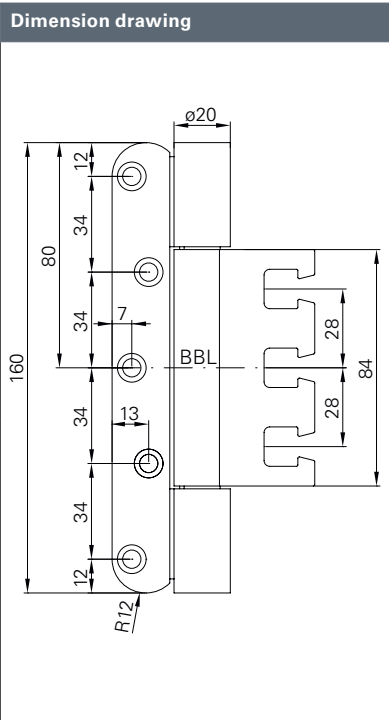
OBX-20 Series





Product characteristics		
Size	160 mm	
Ø Barrel diameter	20 mm	
Material thickness	3.5 mm	
Screws	M5 x 20 mm St4.8 x 40 mm	
DIN left / DIN right	■	
Milling diameter	24 mm	
Milling length	160 mm	
Milling depth	3.5 mm	
Door type	Rebated	■
	Unrebated	-
Frame type	Wooden	■
	Steel	■
	Aluminium	■
Suitable for the use on fire- and smoke control doors	F	■
Loading capacity Class 14 (door weight)	EN 1935 CE	■
	acc. to Standard	160 kg
	ECO loading capacity	300 kg
Finish	Stainless steel (ER)	■
	Black	□
Frame box	For block frames	OBX-3101-3D
	For timber frames	OBX-3102-3D
	For blind frames	OBX-3105-3D
	For steel frames	OBX-3011-3D OBX-3012-3D
	For aluminum frames	OBX-3121-3D

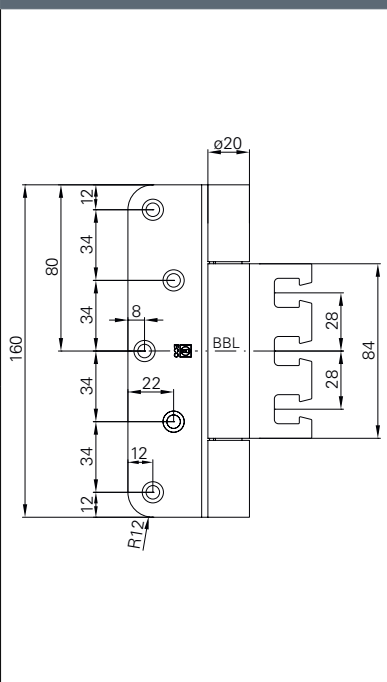
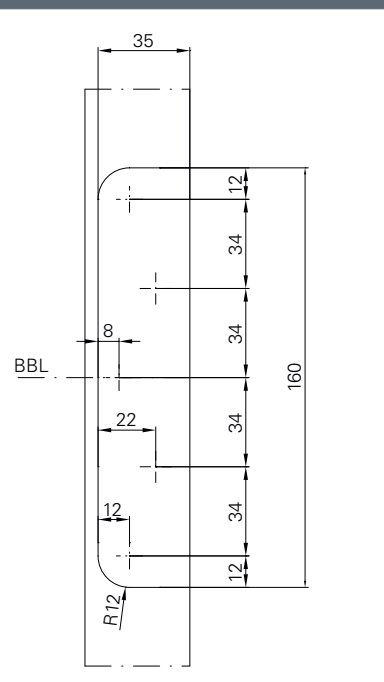
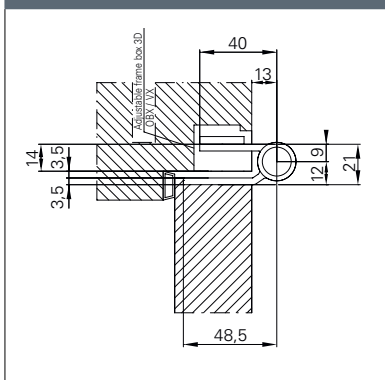
■ Yes - No □ On request




Product characteristics

Size	160 mm
Ø Barrel diameter	20 mm
Material thickness	3.5 mm
Screws	M5 x 20 mm St4.8 x 40 mm
DIN left / DIN right	■
Milling diameter	24 mm
Milling length	160 mm
Milling depth	3.5 mm
Door type	Unrebated ■ Double rebated -
Frame type	Wooden ■ Steel ■ Aluminium ■
Suitable for the use on fire- and smoke control doors	F ■
Loading capacity Class 14 (door weight)	EN 1935 CE ■ acc. to Standard 160 kg ECO loading capacity 300 kg
Finish	Stainless steel (ER) ■ Black □
Frame box	For block frames OBX-3101-3D For timber frames OBX-3102-3D For blind frames OBX-3105-3D For steel frames OBX-3011-3D OBX-3012-3D For aluminum frames OBX-3121-3D

■ Yes - No □ On request

Dimension drawing

Milling drawing

Top view


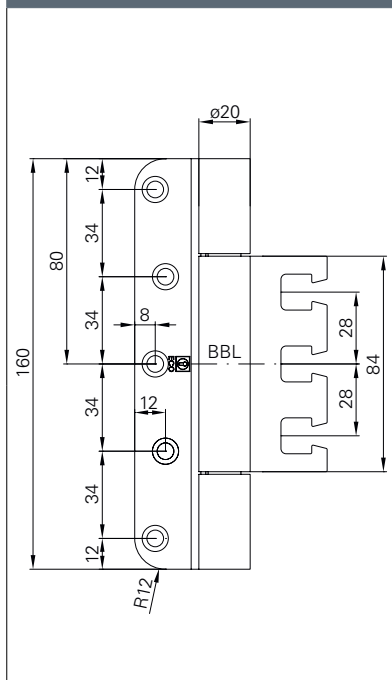


Product characteristics

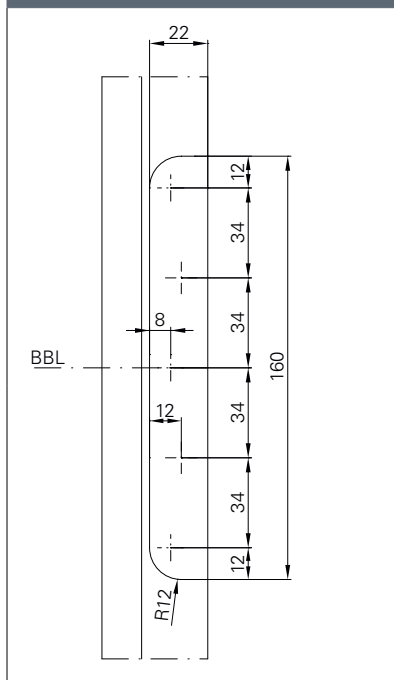
Size		160 mm
Ø Barrel diameter		20 mm
Material thickness		3.5 mm
Screws		M5 x 20 mm St4.8 x 40 mm
DIN left / DIN right		■
Milling diameter		24 mm
Milling length		160 mm
Milling depth		3.5 mm
Door type	Unrebatad	■
	Double rebated	■
Frame type	Wooden	■
	Steel	■
	Aluminium	■
Suitable for the use on fire- and smoke control doors		■
Loading capacity Class 14 (door weight)	 	■
	acc. to Standard	160 kg
	ECO loading capacity	300 kg
Finish	Stainless steel (ER)	■
	Black	■
Frame box	For block frames	OBX-3101-3D
	For timber frames	OBX-3102-3D
	For blind frames	OBX-3105-3D
	For steel frames	OBX-3011-3D
		OBX-3012-3D
	For aluminum frames	OBX-3121-3D

☒ Yes - No ☐ On request

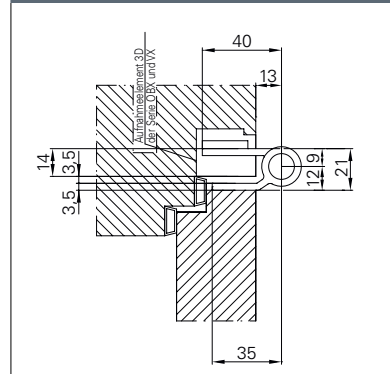
Dimension drawing



Milling drawing



Top view



ECO **Horizon** 

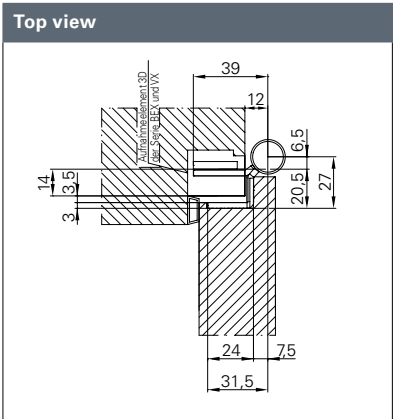
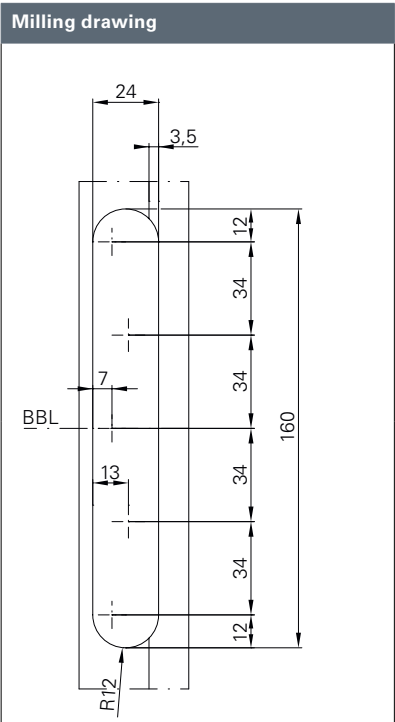
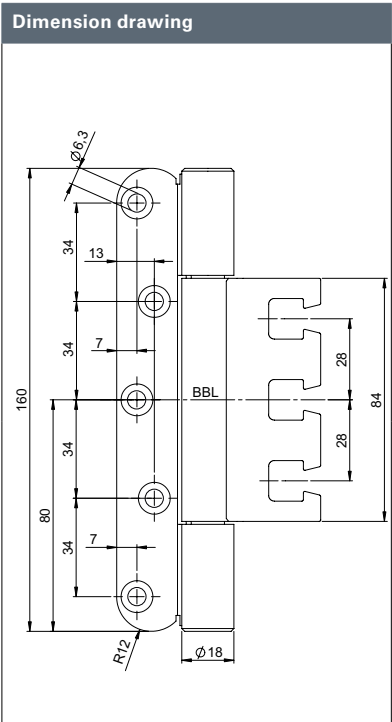
OBX-18 Series





Product characteristics		
Size		160 mm
Ø Barrel diameter		18 mm
Material thickness		3 mm
Screws		M5 x 20 mm St4.8 x 40 mm
DIN left / DIN right		■
Milling diameter		24 mm
Milling length		160 mm
Milling depth		3 mm
Door type	Rebated	■
	Unrebated	-
Frame type	Wooden	■
	Steel	■
	Aluminium	■
Suitable for the use on fire- and smoke control doors		 ■
Loading capacity Class 14 (door weight)	 	■
	acc. to Standard	160 kg
	ECO loading capacity	200 kg
Finish	Stainless steel (ER)	■
	Black	▣
Frame box	For block frames	OBX-3101-3D
	For timber frames	OBX-3102-3D
	For blind frames	OBX-3105-3D
	For steel frames	OBX-3011-3D OBX-3012-3D
	For aluminum frames	OBX-3121-3D

■ Yes - No ▣ On request

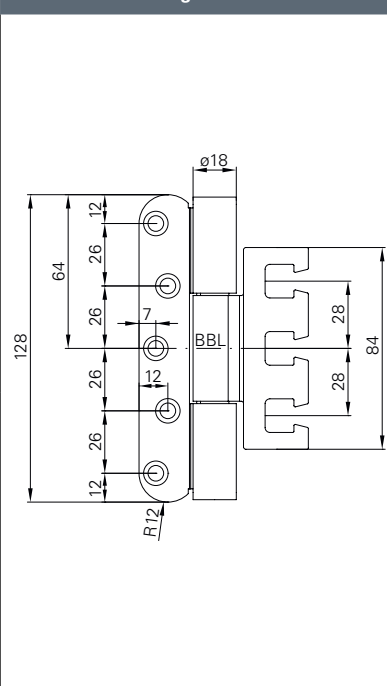
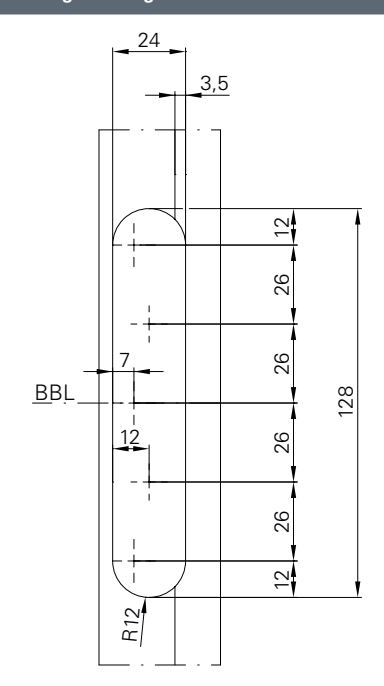
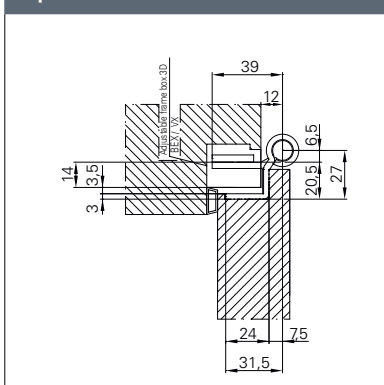


OBX-18-1531/120

Product characteristics

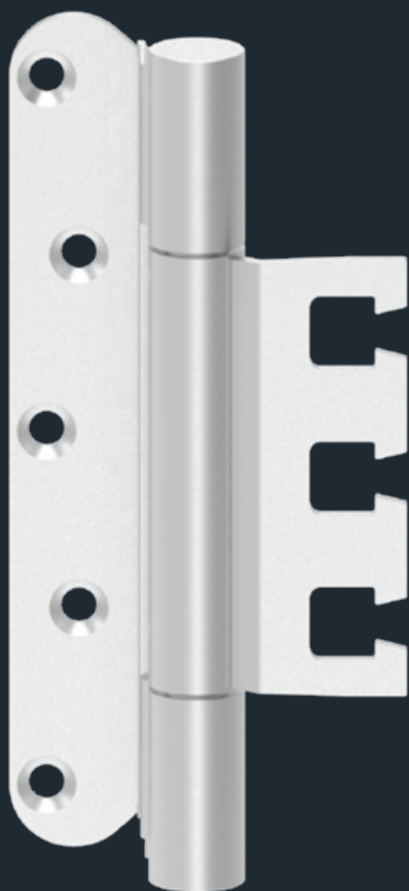
Size	120 mm
Ø Barrel diameter	18 mm
Material thickness	3 mm / 3.5 mm
Screws	M5 x 20 mm St4.8 x 40 mm
DIN left / DIN right	■
Milling diameter	24 mm
Milling length	120 mm
Milling depth	3 mm
Door type	Rebated ■ Unrebated -
Frame type	Wooden ■ Steel ■ Aluminium ■
Suitable for the use on fire- and smoke control doors	F ■
Loading capacity Class 14 (door weight)	EN 1935 CE ■ acc. to Standard 160 kg ECO loading capacity 160 kg
Finish	Stainless steel (ER) ■ Black ■
Frame box	For block frames OBX-3101-3D For timber frames OBX-3102-3D For blind frames OBX-3105-3D For steel frames OBX-3011-3D OBX-3012-3D For aluminum frames OBX-3121-3D

■ Yes - No ■ On request

Dimension drawing

Milling drawing

Top view




OBX-18-1534/160

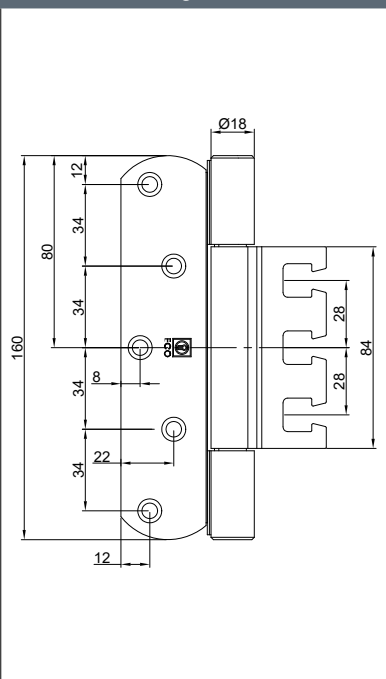


Product characteristics

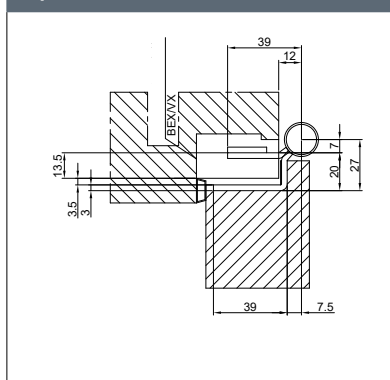
Size	160 mm	
Ø Barrel diameter	18 mm	
Material thickness	3 mm / 3.5 mm	
Screws	M5 x 20 mm St4.8 x 40 mm	
DIN left / DIN right	■	
Door type	Rebated	■
	Unrebated	-
Frame type	Wooden	■
	Steel	■
	Aluminium	■
Suitable for the use on fire- and smoke control doors		■
Loading capacity Class 14 (door weight)		■
	acc. to Standard	160 kg
Finish	ECO loading capacity	200 kg
	Stainless steel (ER)	■
	Black	■
Frame box	For block frames	OBX-3101-3D
	For timber frames	OBX-3102-3D
	For blind frames	OBX-3105-3D
	For steel frames	OBX-3011-3D
		OBX-3012-3D
	For aluminum frames	OBX-3121-3D

☒ Yes - No ☐ On request

Dimension drawing



Top view

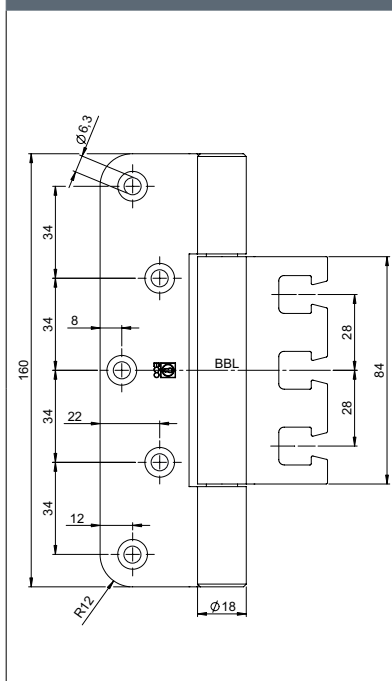
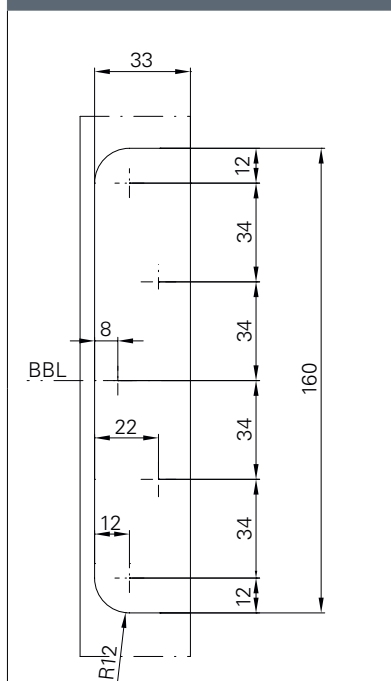
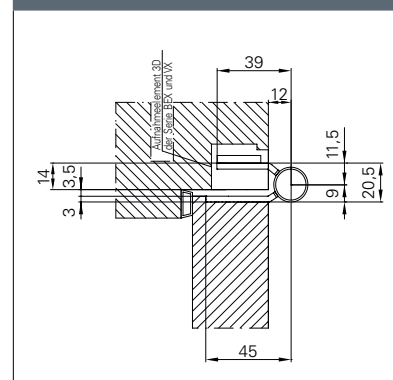


OBX-18-2541/160

Product characteristics

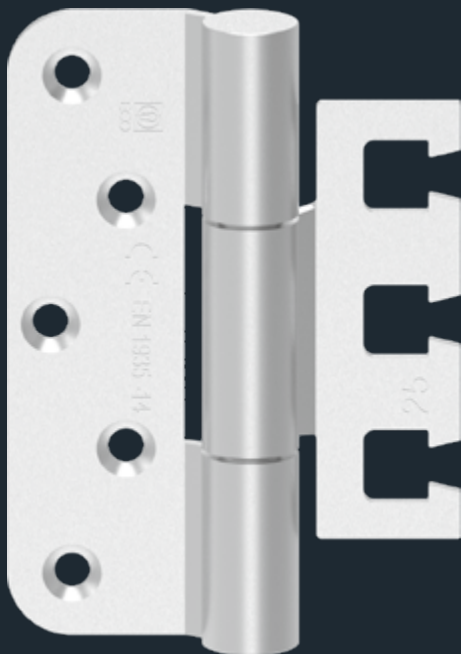
Size	160 mm	
Ø Barrel diameter	18 mm	
Material thickness	3 mm	
Screws	M5 x 20 mm St4.8 x 40 mm	
DIN left / DIN right	■	
Milling diameter	24 mm	
Milling length	160 mm	
Milling depth	3 mm	
Door type	Rebated	-
	Unrebated	■
Frame type	Wooden	■
	Steel	■
	Aluminium	■
Suitable for the use on fire- and smoke control doors		■
Loading capacity Class 14 (door weight)	 acc. to Standard	160 kg
	ECO loading capacity	200 kg
	Finish	Stainless steel (ER) ■ Black □
Frame box	For block frames	OBX-3101-3D
	For timber frames	OBX-3102-3D
	For blind frames	OBX-3105-3D
		OBX-3011-3D
	For steel frames	OBX-3012-3D
	For aluminum frames	OBX-3121-3D

■ Yes - No □ On request

Dimension drawing

Milling drawing

Top view




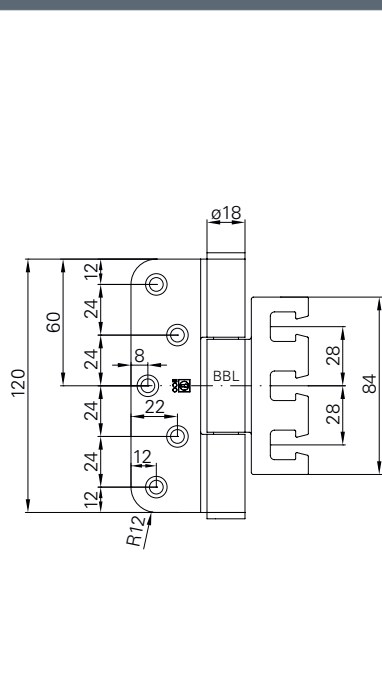
OBX-18-2541/120



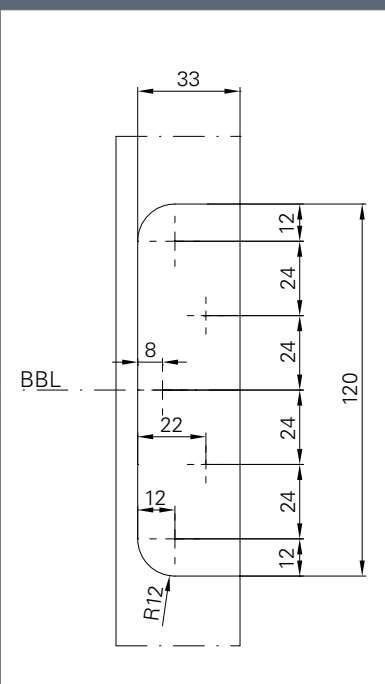
Product characteristics		
Size		120 mm
Ø Barrel diameter		18 mm
Material thickness		3 mm / 3.5 mm
Screws		M5 x 20 mm St4.8 x 40 mm
DIN left / DIN right		■
Milling diameter		24 mm
Milling length		120 mm
Milling depth		3 mm
Door type	Rebated	-
	Unrebated	■
Frame type	Wooden	■
	Steel	■
	Aluminium	■
Suitable for the use on fire- and smoke control doors		■
Loading capacity Class 14 (door weight)	 	■
	acc. to Standard	160 kg
	ECO loading capacity	160 kg
Finish	Stainless steel (ER)	■
	Black	□
Frame box	For block frames	OBX-3101-3D
	For timber frames	OBX-3102-3D
	For blind frames	OBX-3105-3D
		OBX-3011-3D
	For steel frames	OBX-3012-3D
	For aluminum frames	OBX-3121-3D

■ Yes - No □ On request

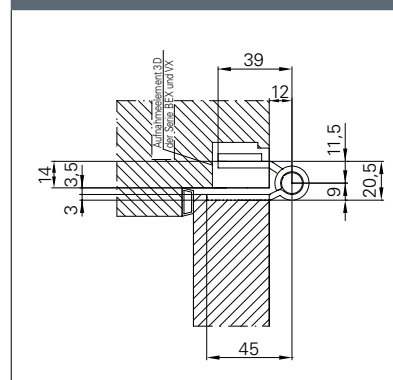
Dimension drawing



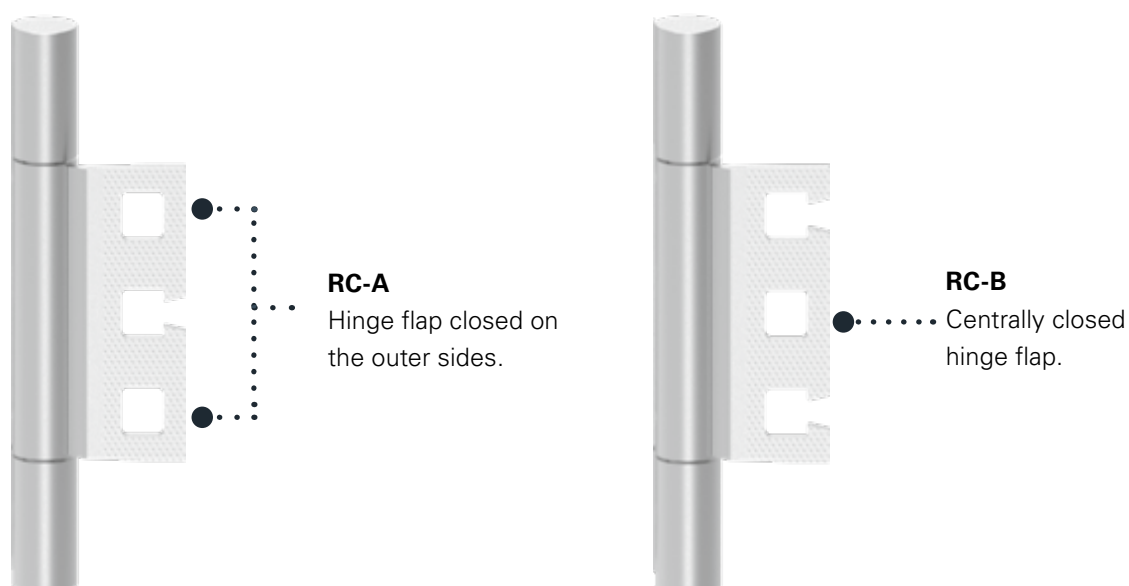
Milling drawing



Top view



ECO HORIZON OBX-18 Security Hinge



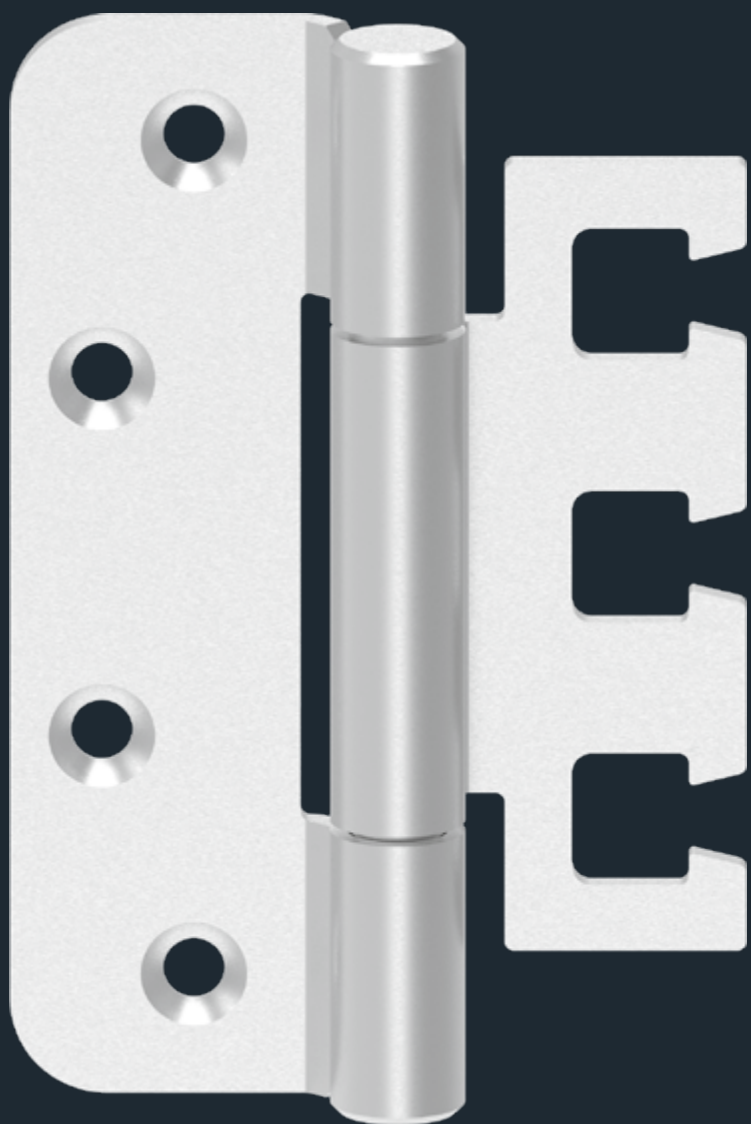
ECO re-upgraded the OBX-18 hinge series, which can effectively prevent the door leaf from being pried open, provide the door leaf with the best anti-theft and protection, and make the door stronger and safer.

The following OBX-18 hinges series are available in RC-A and RC-B. For more product information, please contact our sales.

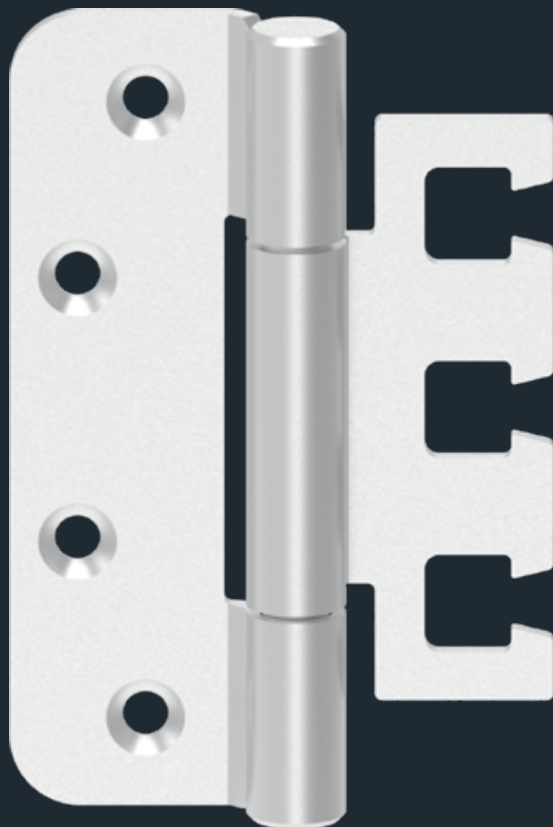
OBX-18 RC-A / RC-B Security Hinge Series		
OBX-18-1531/160	OBX-18-1532/160-FD	OBX-18-2541/160
OBX-18-1531/120	OBX-18-1532/120-FD	OBX-18-2541/120

ECO **Horizon** 

OBX-14 Series



OBX-14-4526

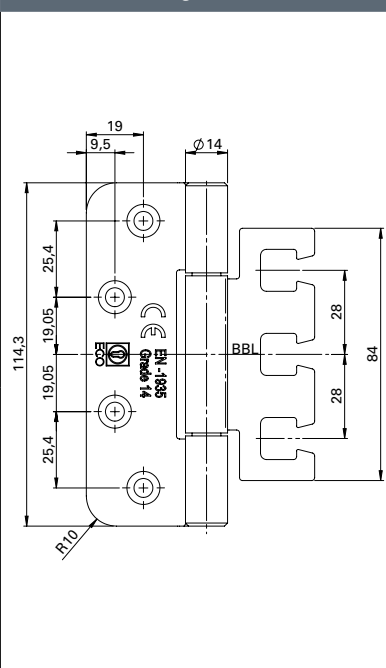


Product characteristics

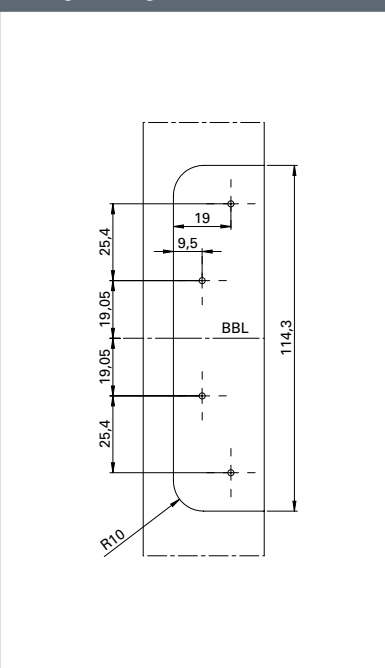
Size	114,3 mm
Ø Barrel diameter	14 mm
Material thickness	3 mm
Screws	M5 x 20 mm St4.8 x 40 mm
DIN left / DIN right	■
Milling diameter	24 mm
Milling length	114,3 mm
Milling depth	3 mm
hole pattern	C-shape ■ Z-shape -
Door types	rebated - unrebated ■
Frame types	Wood ■ Steel ■ Aluminum ■
Suitable for fire doors	F ■
Loading capacity class 14	EN 1935 CE ■
Door weight	acc. to Norm 160 kg
Material	Stainless steel (ER) ■
Finishes	Stainless steel (ER) ■ Black □
Reception elements	For block frames OBX-3101-3D For timber frames OBX-3102-3D For blind frames OBX-3105-3D For steel frames OBX-3011-3D OBX-3012-3D For aluminum frames OBX-3121-3D

■ Yes - No □ On request

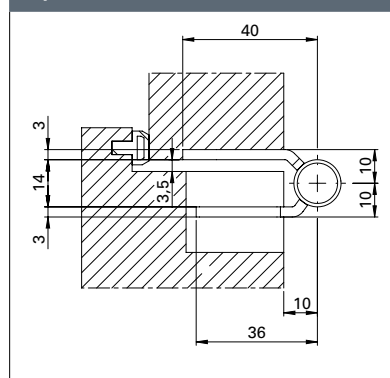
Dimension drawing



Milling drawing



Top view



ECO **Horizon** 

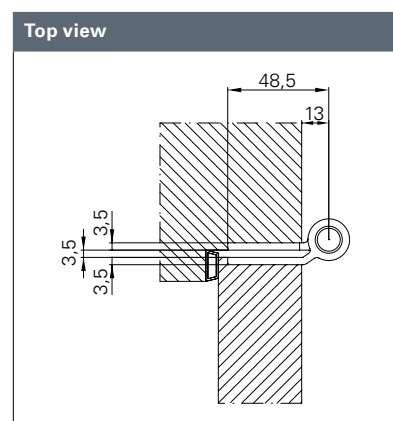
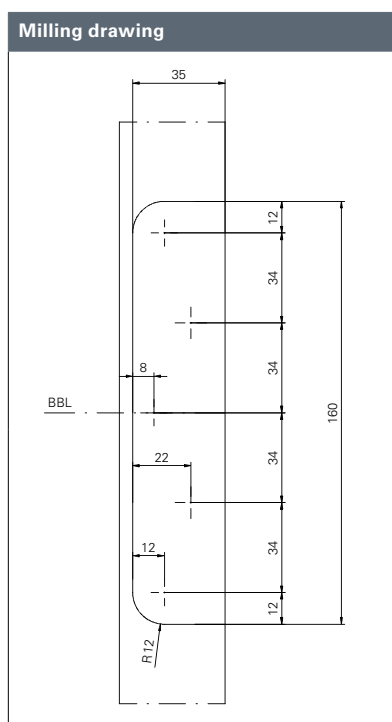
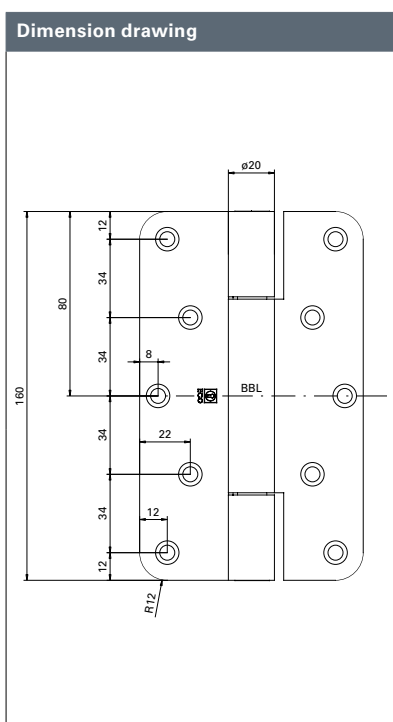
OBN 20/18/14 Series





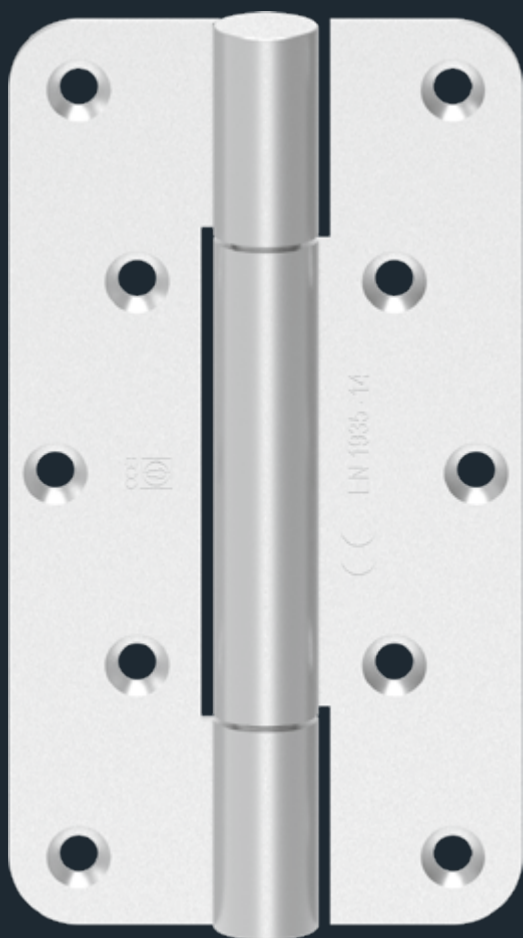
Product characteristics		
Size		160 mm
Ø Barrel diameter		20 mm
Material thickness		3.5 mm
Screws		M5 x 20 mm
		St4.8 x 40 mm
DIN left / DIN right		■
Milling diameter		24 mm
Milling length		160 mm
Milling depth		3.5 mm
Door type	Rebated	-
	Unrebated	■
Frame type	Wooden	■
Suitable for the use on fire- and smoke control doors		■
Loading capacity Class 14 (door weight)	 	■
	acc. to Standard	160 kg
	ECO loading capacity	300 kg
Finish	Stainless steel (ER)	■
	Black	▣

☐ Yes - No ☐ On request





OBN-18-4141/160 R

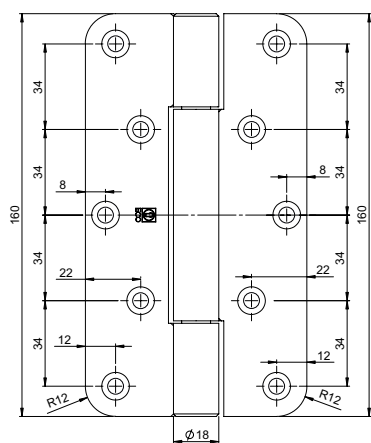


Product characteristics

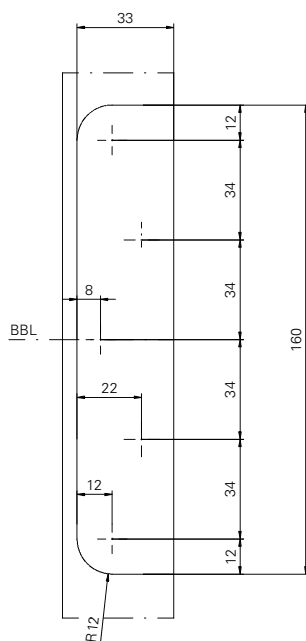
Size		160 mm
Ø Barrel diameter		18 mm
Material thickness		3 / 3.5 mm
Screws		M5 x 20 mm St4.8 x 40 mm
DIN left / DIN right		■
Milling diameter		24 mm
Milling length		160 mm
Milling depth		3 / 3.5 mm
Door type	Rebated	-
	Unrebated	■
Frame type	Wooden	■
Suitable for the use on fire- and smoke control doors		■
Loading capacity Class 14 (door weight)	 	■
	acc. to Standard	160 kg
	ECO loading capacity	200 kg
Finish	Stainless steel (ER)	■
	Black	□

☒ Yes - No ☐ On request

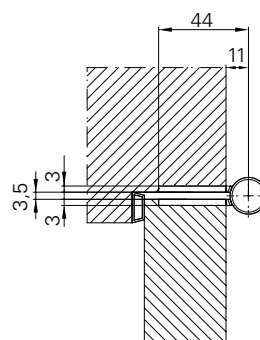
Dimension drawing



Milling drawing



Top view



OBN-18-4141/120 R

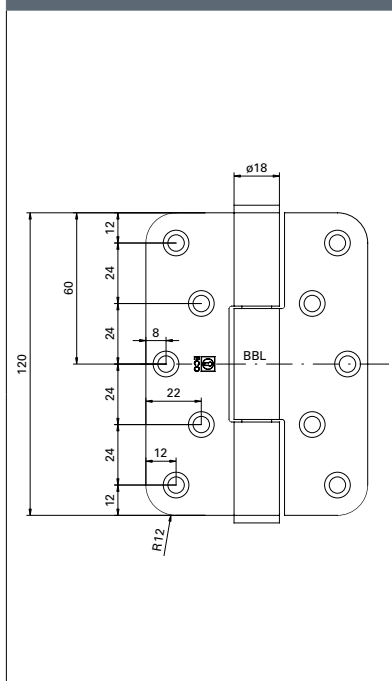


Product characteristics

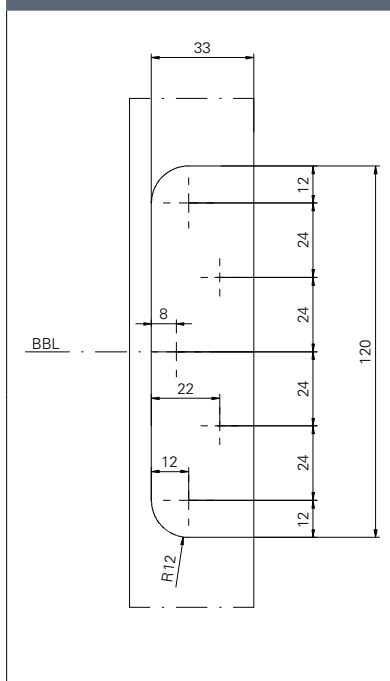
Size		120 mm
Ø Barrel diameter		18 mm
Material thickness		3 mm / 3.5 mm
Screws		M5 x 20 mm St4.8 x 40 mm
DIN left / DIN right		■
Milling diameter		24 mm
Milling length		120 mm
Milling depth		3 mm / 3.5 mm
Door type	Rebated	-
	Unrebated	■
Hinge edge	Square	□
	Round	■
Frame type	Wooden	■
Suitable for the use on fire- and smoke control doors		■
Loading capacity Class 14 (door weight)		■
	acc. to Standard	80 kg
	ECO loading capacity	120 kg
Finish	Stainless steel (ER)	■
	Black	□

■ Yes - No □ On request

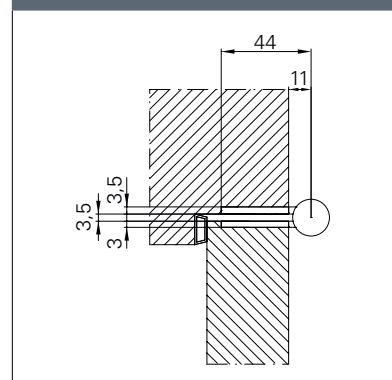
Dimension drawing



Milling drawing

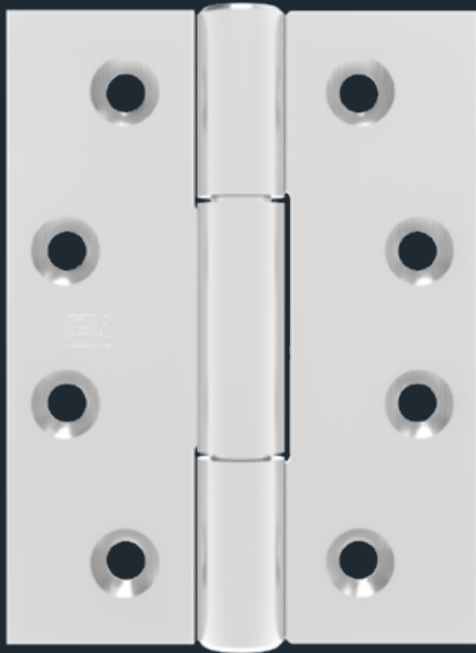


Top view





OBN-14 Butt hinge



Product characteristics

	in mm	in inches
Size	101 x 76	4 x 3
	101 x 89	4 x 3.5
	101 x 101	4 x 4
	114 x 101	4.5 x 4
	127 x 76	5 x 3
	127 x 101	5 x 4
Ø Barrel diameter	14 mm	
Material thickness	3 mm	
Perforation	C form	■
	Z form	■
Hinge edge	Square	■
	Round	□
Frame type	Wooden	■
	Steel	■
	Profile	■
Loading capacity (EN 1935 class 14)* *Two hinges per leaf (1mx2m)		160 kg
Standards	F	
	EN 1935 CE	
Material	SUS 304	
Finish	Satin Stainless Steel	■
	Black	□

■ Yes - No □ On request

OBN-14 Butt hinge	Dimensions		Article number	
	in mm	in inches	 Square	 Round
OBN-14 4030 C	101 x 76	4 x 3	805612304600012	805612444600012
OBN-14 4030 Z	101 x 76	4 x 3	805612404600012	805612464600012
OBN-14 4035 C	101 x 89	4 x 3.5	805612484600012	805612504600012
OBN-14 4035 Z	101 x 89	4 x 3.5	805612494600012	805612514600012
OBN-14 4040 C	101 x 101	4 x 4	805612314600012	805612454600012
OBN-14 4040 Z	101 x 101	4 x 4	805612414600012	805612474600012
OBN-14 4540 C	114 x 101	4.5 x 4	805612524600012	805612544600012
OBN-14 4540 Z	114 x 101	4.5 x 4	805612534600012	805612554600012
OBN-14 5030 C	127 x 76	5 x 3	805612564600012	805612584600012
OBN-14 5030 Z	127 x 76	5 x 3	805612574600012	805612594600012
OBN-14 5040 C	127 x 101	5 x 4	805612644600012	805612664600012
OBN-14 5040 Z	127 x 101	5 x 4	805612654600012	805612674600012

Product range OBN-14

For steel or profile doors



OBN-14 C Square



OBN-14 C Round

For timber doors



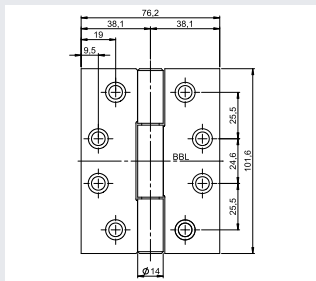
OBN-14 Z Square



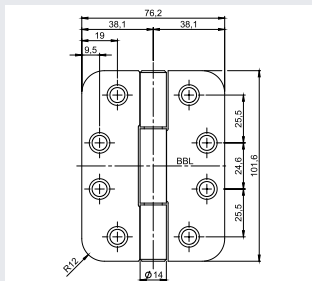
OBN-14 Z Round

OBN-14 Dimension

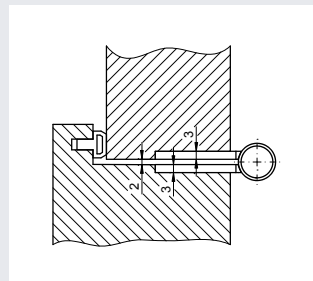
OBN-14 4030 Drawing



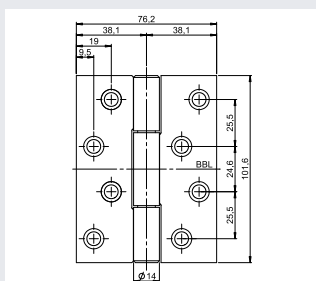
OBN-14 4030 C Square



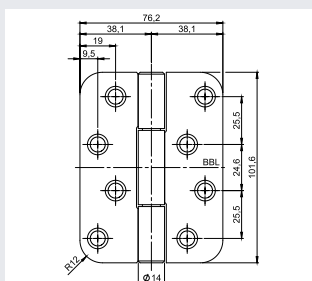
OBN-14 4030 C Round



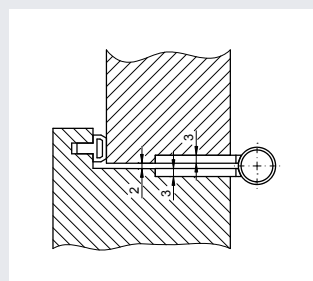
Top view



OBN-14 4030 Z Square

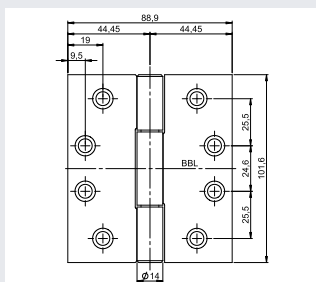


OBN-14 4030 Z Round

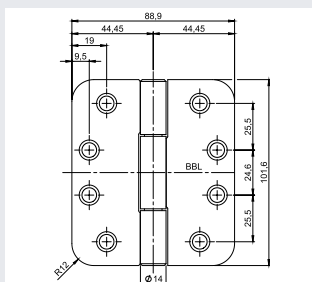


Top view

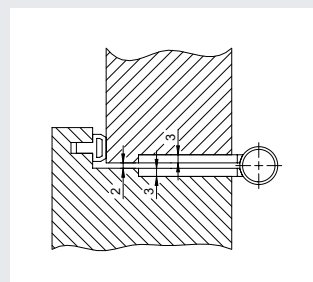
OBN-14 4035 Drawing



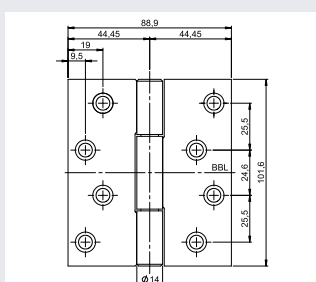
OBN-14 4035 C Square



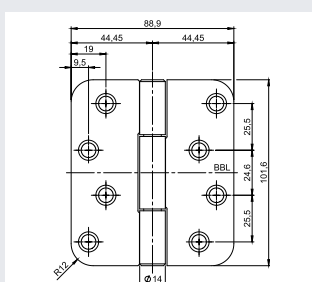
OBN-14 4035 C Round



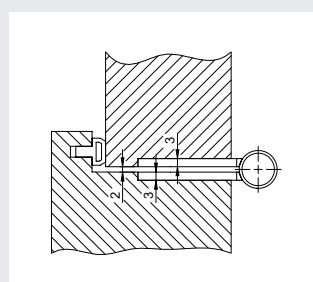
Top view



OBN-14 4035 Z Square



OBN-14 4035 Z Round

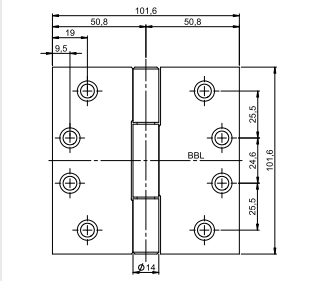


Top view

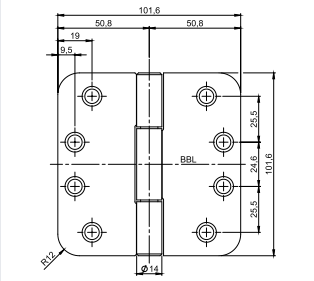


OBN-14 Dimension

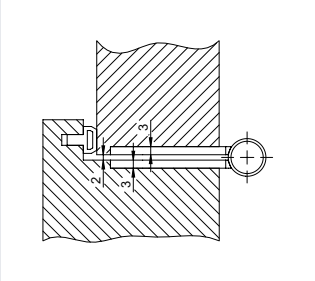
OBN-14 4040 Drawing



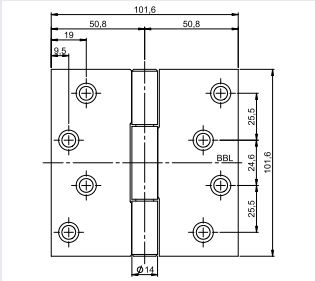
OBN-14 4040 C Square



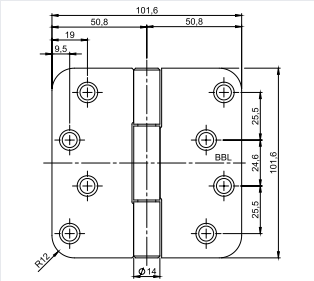
OBN-14 4040 C Round



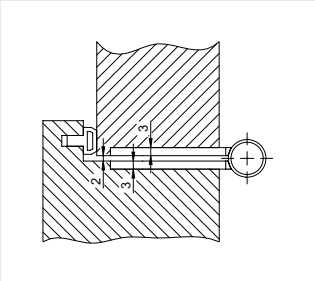
Top view



OBN-14 4040 Z Square

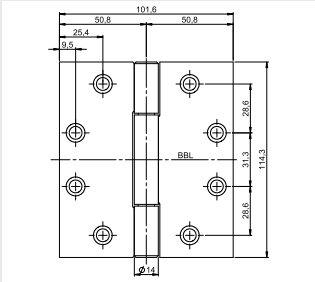


OBN-14 4040 Z Round

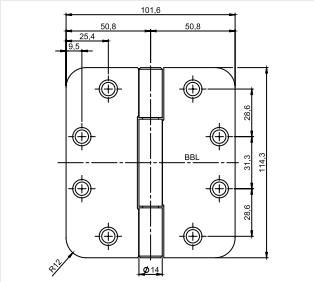


Top view

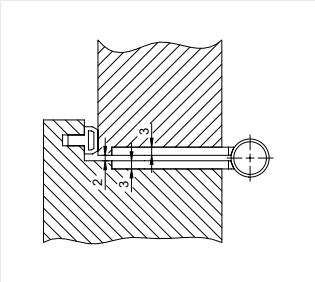
OBN-14 4540 Drawing



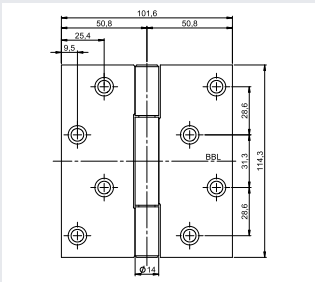
OBN-14 4540 C Square



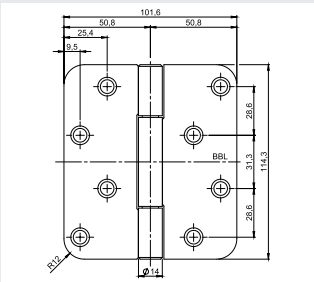
OBN-14 4540 C Round



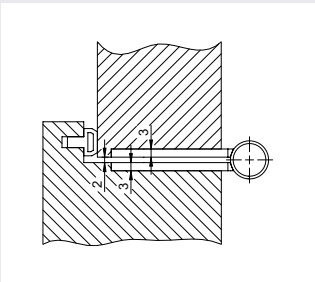
Top view



OBN-14 4540 Z Square



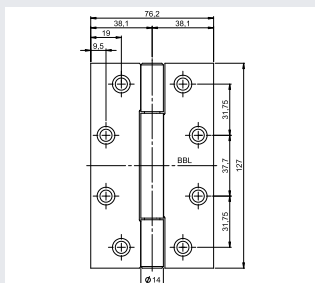
OBN-14 4540 Z Round



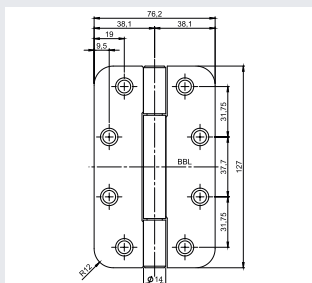
Top view

OBN-14 Dimension

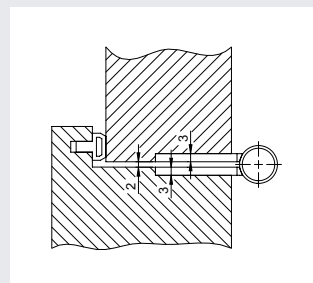
OBN-14 5030 Drawing



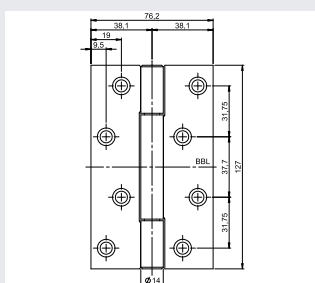
OBN-14 5030 C Square



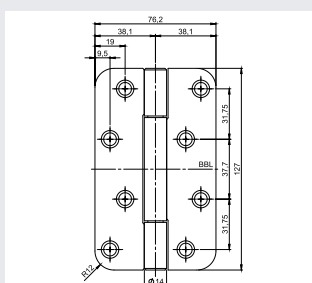
OBN-14 5030 C Round



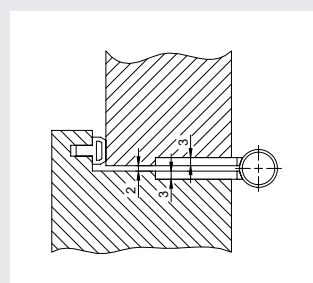
Top view



OBN-14 5030 Z Square

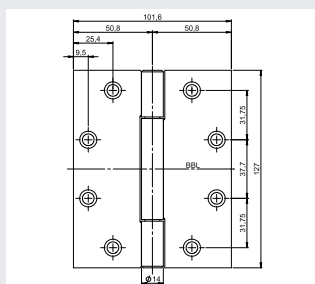


OBN-14 5030 Z Round

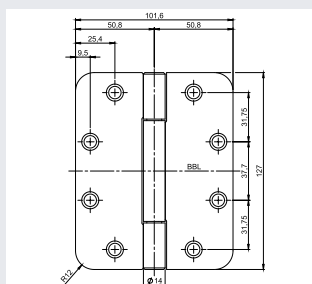


Top view

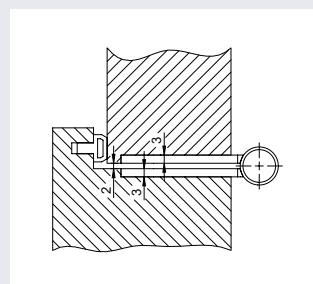
OBN-14 5040 Drawing



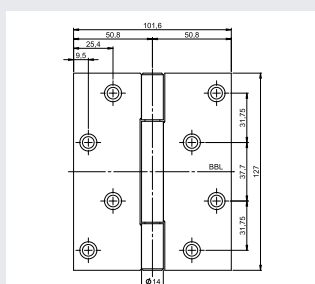
OBN-14 5040 C Square



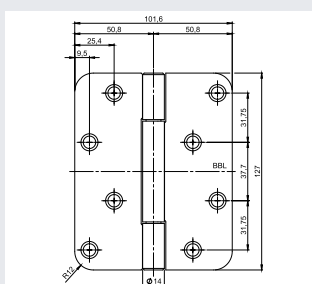
OBN-14 5040 C Round



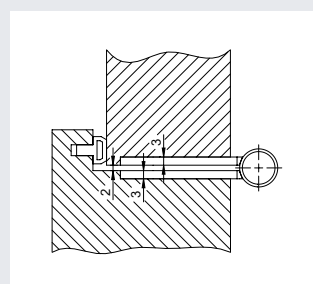
Top view



OBN-14 5040 Z Square



OBN-14 5040 Z Round

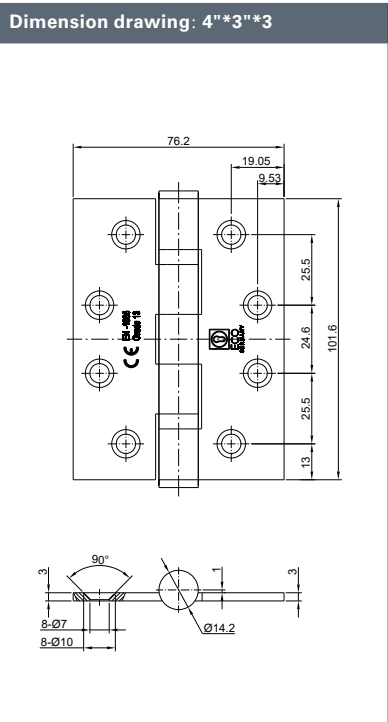


Top view



Product characteristics		
Size		4" x 3" x 3 mm
		4" x 3.5" x 3 mm
		4" x 4" x 3 mm
Ø Barrel diameter		14 mm
Material thickness		3 mm
Screws		M6 x 12 mm
		St4.8 x 30 mm
DIN left / DIN right		■
Milling length		102 mm
Milling depth		3 mm
Hole pattern	C-shape	■
	Z-shape	■
Door type	Rebated	-
	Unrebated	■
Frame type	Wooden	■
	Steel	■
	Aluminium	■
Loading capacity		60 kg / 2 pcs
Finish	Stainless steel (ER)	■

■ Yes - No □ On request

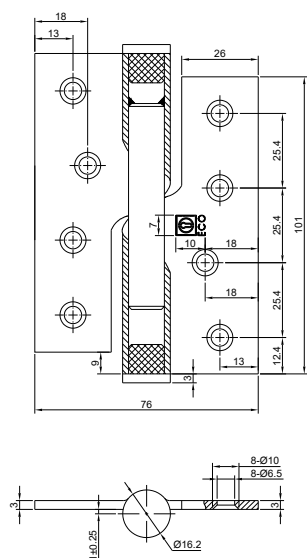
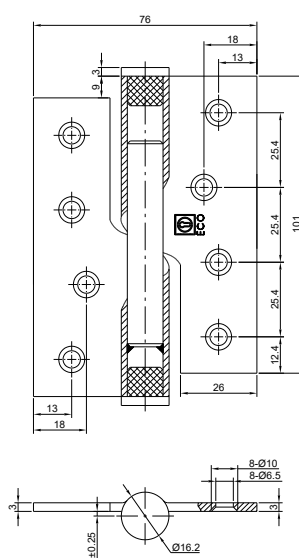


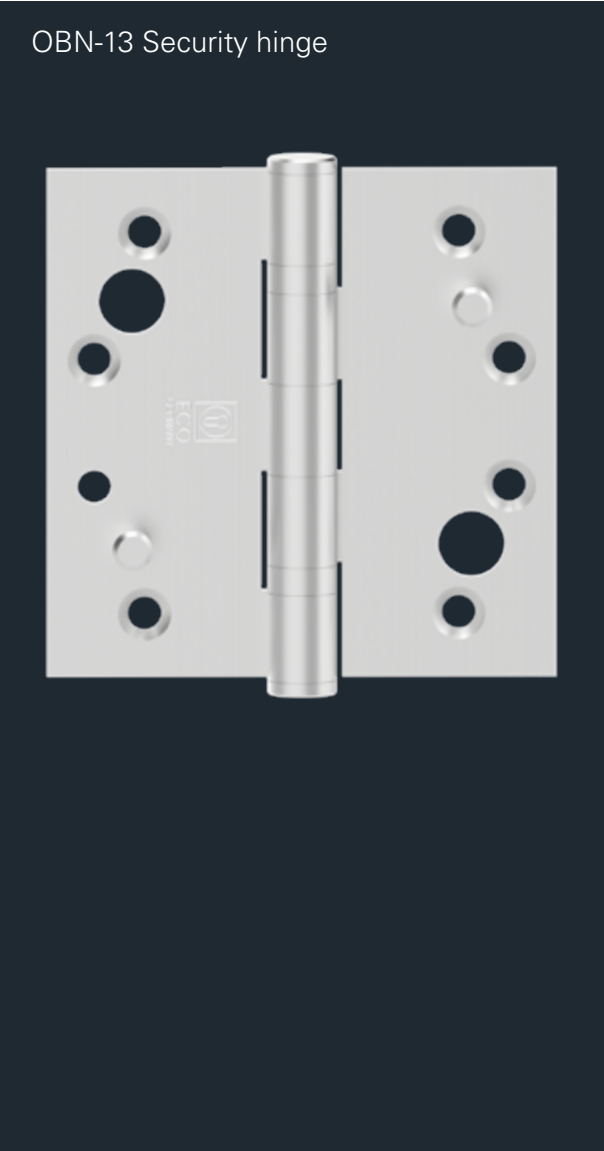
OBN-13-433H/102


Product characteristics

Size	4" x 3" x 3 mm	
Ø Barrel diameter	14 mm	
Hinge gap	3 mm	
Material thickness	3 mm	
DIN left / DIN right	■	
Screws	M6 x 12 mm	
	St4.8 x 30 mm	
Door type	Rebated	-
	Unrebated	■
Frame type	Wooden	■
	Steel	■
Loading capacity	25 kg / 2 pcs	
Material	Stainless steel (ER)	■

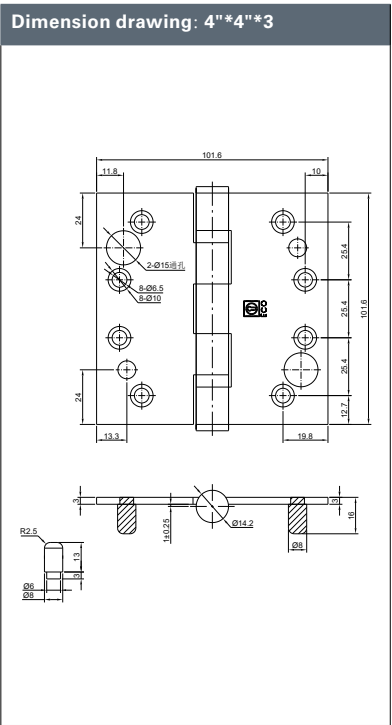
■ Yes - No □ On request

Dimension drawing Left

Dimension drawing Right




Product characteristics		
Size		4" x 4" x 3 mm
		5" x 3.5" x 3 mm
Ø Barrel diameter		14 mm
Hinge gap		3 mm
Material thickness		3 mm
DIN left / DIN right		■
Screws		M6 × 12 mm
		St4.8 × 30 mm
Door type	Rebated	-
	Unrebated security door	■
Frame type	Wooden	■
	Steel	■
Loading capacity		50 kg / 2 pcs
Material	Stainless steel (ER)	■

■ Yes - No □ On request



OBN-13-4325ZM/102

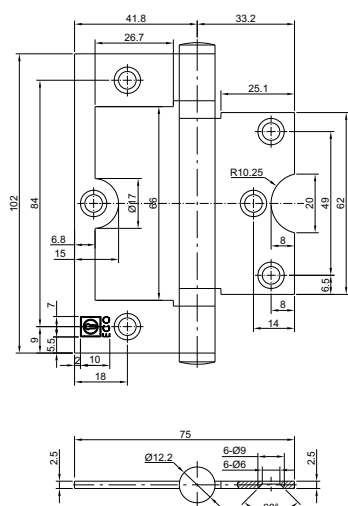


Product characteristics

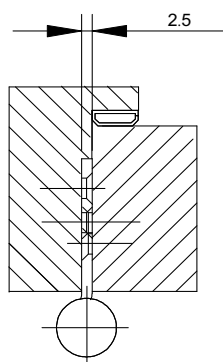
Size		102 x 75 x 2.5 mm
Hinge gap		12 mm
Hinge gap		2.5 mm
Material thickness		■
Screws		M6 x 12 mm
Screws		St4.8 x 30 mm
Door type	Rebated	-
	Unrebated security door	■
Frame type	Wooden	■
	Steel	■
Loading capacity		40 kg / 2 pcs
Material	Stainless steel (ER)	■

■ Yes - No □ On request

Dimension drawing:



Top View



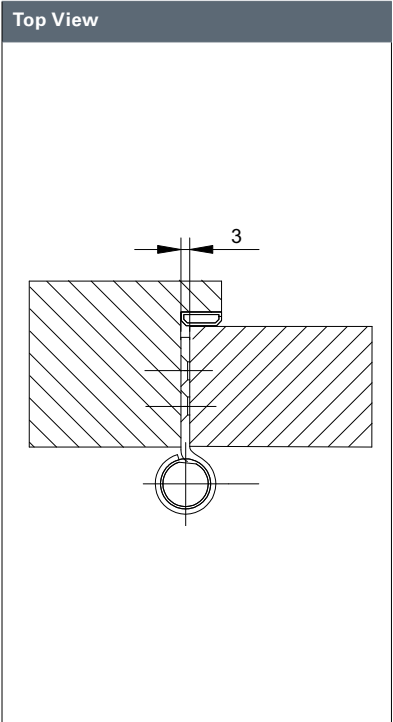
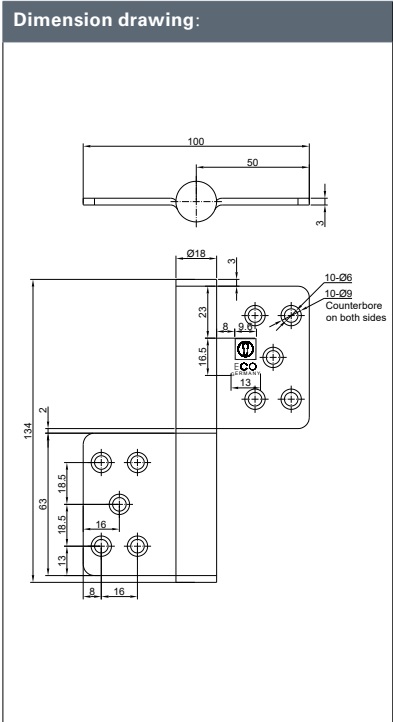


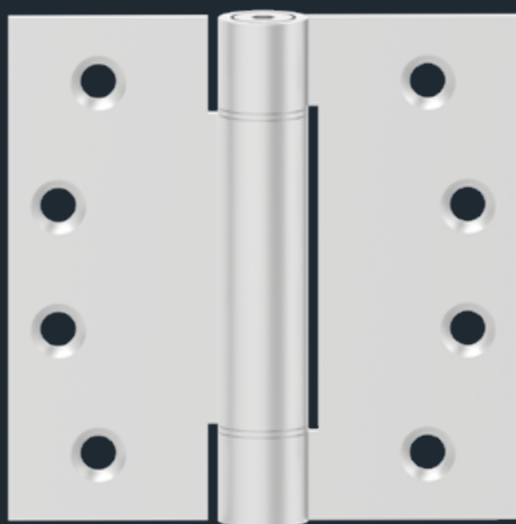
OBN-18-5503Q/127



Product characteristics		
Size		134 x 100 x 3 mm
Ø Barrel diameter		18 mm
Material thickness		3 mm
DIN left / DIN right		■
Screws		M6 x 12 mm
		St4.8 x 30 mm
Door type	Rebated	-
	Unrebated	■
Frame type	Wooden	■
	Steel	■
Loading capacity		50 kg / 2 pcs
Material	Stainless steel (ER)	■

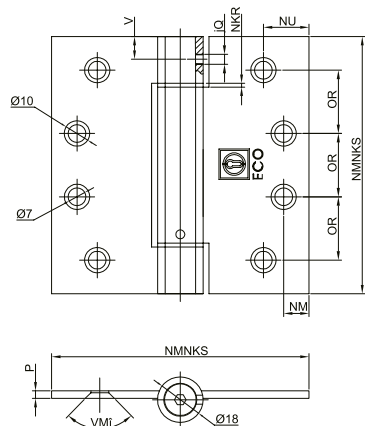
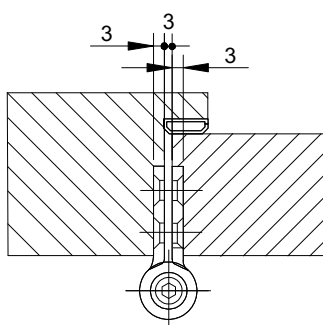
■ Yes - No □ On request



OBN-18 Spring hinge

Product characteristics

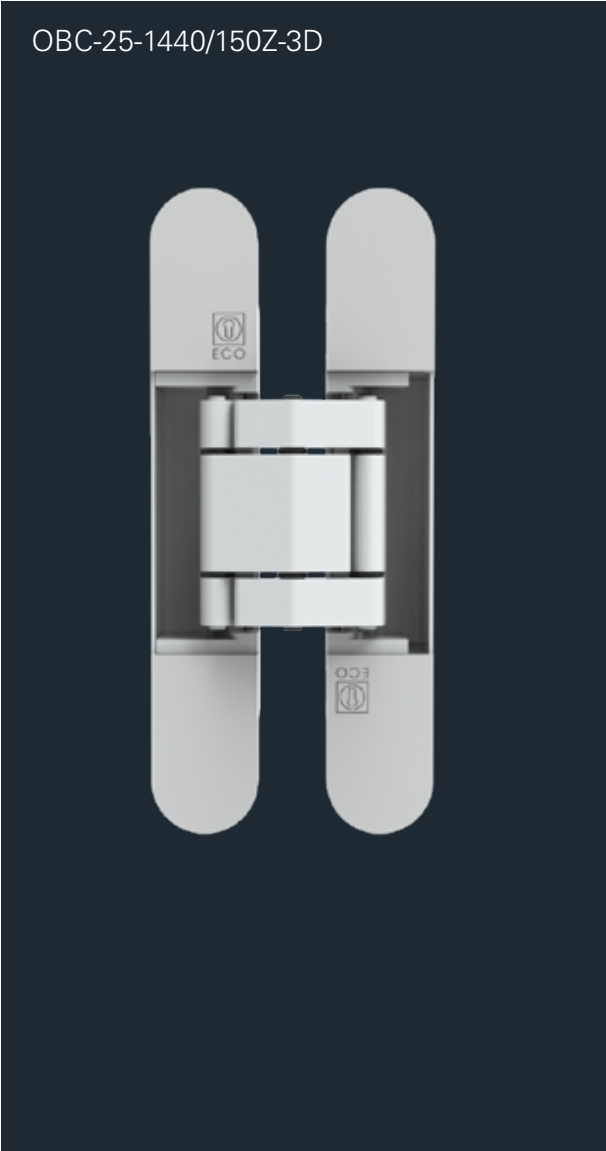
Size	4" x 4" x 3 mm	
Ø Barrel diameter	18 mm	
Hinge gap	3 mm	
Material thickness	3 mm	
DIN left / DIN right	■	
Flat machine screw	8 x M5 x 12 mm	
Pointed wood screw	8 x M5 x 30 mm	
Door type	Rebated	-
	Unrebated	■
Frame type	Wooden	■
	Steel	■
Loading capacity	40 kg / 2 pcs	
Material	Stainless steel (ER)	■

■ Yes - No □ On request

Dimension drawing: 4" x 4" x 3

Top View


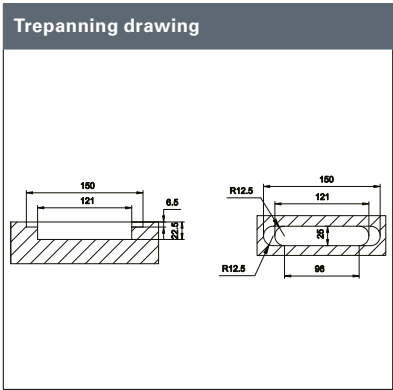
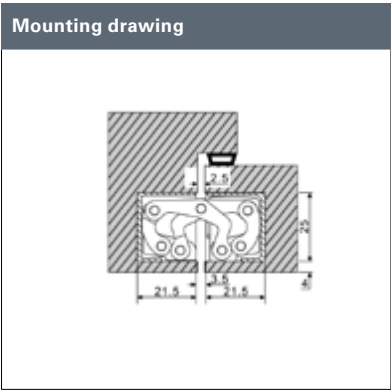
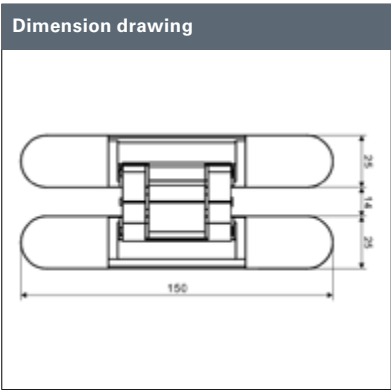


3D Adjustable concealed hinges



Product characteristics		
Size		150 mm
Screws		M5
Min. door thickness		35 mm
Max. opening angle		180°
DIN left / DIN right		■
Door types	Rebated	-
	Unrebated	■
	Wood	■
	Steel	-
Alu profile		-
Loading capacity		50 kg / 3 pcs
Finish	Stainless steel optic	■
Material	Base	Zinc alloy
	Connector	Aluminum alloy
3D adjustable range	Up and down	±3 mm
	Left and right	±2 mm
	Front and back	±1 mm

■ Yes - No □ On request



Model no.	Door width	Loading capacity
OBC-25-1440/150Z-3D	500 mm	60 kg
	600 mm	60 kg
	700 mm	55 kg
	800 mm	50 kg
	900 mm	50 kg
	1000 mm	50 kg

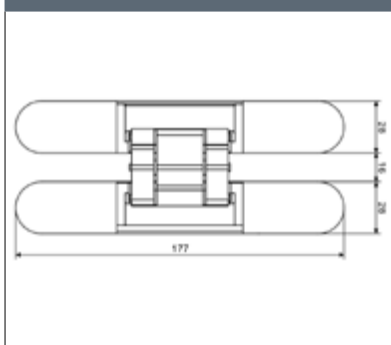
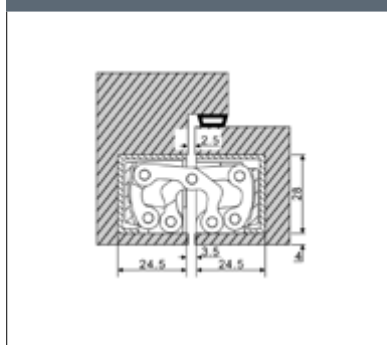
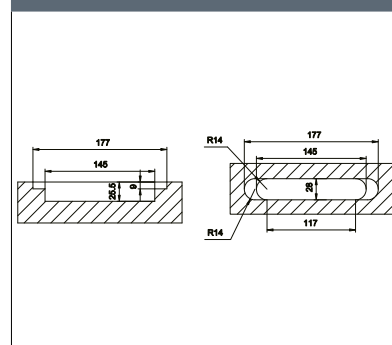
Note: Applicable to indoors, additional load of door closer is not considered in the loading capacity, if a door closer (without stop or back check function) is used, it'll add about 20% load to the hinge, then the loading capacity of hinge shall be calculated as 80% of the data in table.

OBC-28-1640/177Z-3D


Product characteristics

Size	177 mm	
Screws	M5	
Min. door thickness	40 mm	
Max. opening angle	180°	
DIN left / DIN right	■	
Door types	Rebated	-
	Unrebated	■
	Wood	■
	Steel	-
	Alu profile	-
Loading capacity	95 kg / 3 pcs	
Finish	Stainless steel optic	■
Material	Base	Zinc alloy
	Connector	Aluminum alloy
3D adjustable range	Up and down	±3 mm
	Left and right	±2 mm
	Front and back	±1 mm

■ Yes - No □ On request

Dimension drawing

Mounting drawing

Trepanning drawing


Model no.	Door width	Loading capacity
OBC-28-1640/177Z-3D	500 mm	110 kg
	600 mm	105 kg
	700 mm	100 kg
	800 mm	95 kg
	900 mm	90 kg
	1000 mm	80 kg

Note: Applicable to indoors, additional load of door closer is not considered in the loading capacity, if a door closer (without stop or back check function) is used, it'll add about 20% load to the hinge, then the loading capacity of hinge shall be calculated as 80% of the data in table.



OBC-34-1845/246Z-3D

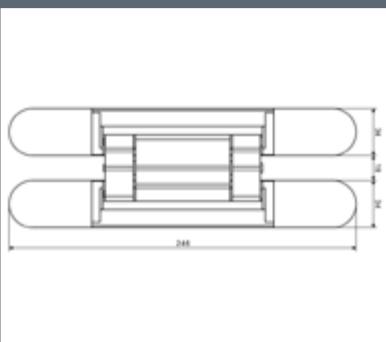


Product characteristics

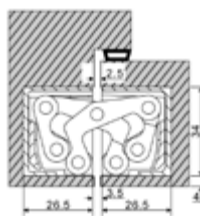
Size		246 mm
Screws		M5
Min. door thickness		45 mm
Max. opening angle		180°
DIN left / DIN right		■
Door types	Rebated	-
	Unrebated	■
	Wood	■
	Steel	-
	Alu profile	-
Loading capacity		120 kg / 3 pcs
Finish	Stainless steel optic	■
Material	Base	Zinc alloy
	Connector	Aluminum alloy
3D adjustable range	Up and down	±3 mm
	Left and right	±2 mm
	Front and back	±1 mm

☒ Yes - No ☐ On request

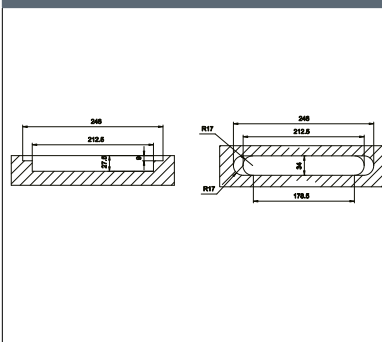
Dimension drawing



Milling drawing



Trepanning drawing



Model no.	Door width	Loading capacity
OBC-34-1845/246Z-3D	500 mm	135 kg
	600 mm	132 kg
	700 mm	130 kg
	800 mm	125 kg
	900 mm	115 kg
	1000 mm	105 kg

Note: Applicable to indoors, additional load of door closer is not considered in the loading capacity, if a door closer (without stop or back check function) is used, it'll add about 20% load to the hinge, then the loading capacity of hinge shall be calculated as 80% of the data in table.

OBX-3101-3D

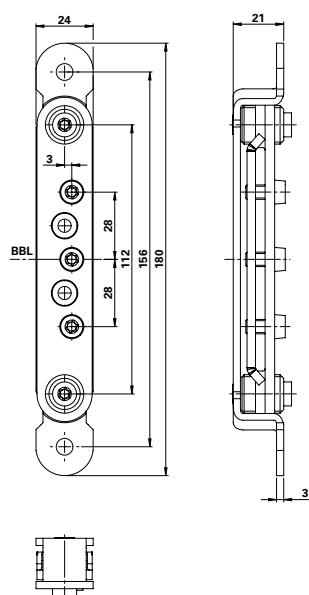
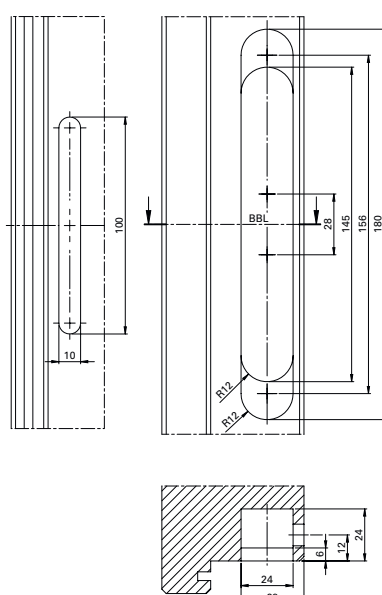
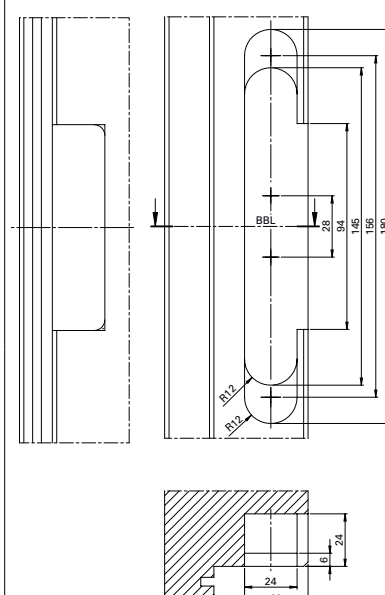
Description
ECO Adjustable frame box OBX-3101-3D

- Adjustable frame box for project hinges OBX in sizes 114,3; 120 mm and 160 mm
- For block frames with rebated and unrebated doors
- Adjustable in three dimensions
- + / - 3 mm Side
- + / - 3 mm Height
- + / - 3 mm Pressure
- Surface: Steel zinc plated

OBX-3101-3D block frames	Material
OBX-3101-3D	Steel zinc plated

Advantages adjustable frame box

- Optimal setting options thanks to stable adjustment spindles.
- Screw connection with hexalobular internal driving feature and locking coating.
- Reinforced pressure plate for high-strength clamping effect.
- Infinitely adjustable in three dimensions.
- This simplifies the exact alignment of the door.

Dimension drawing

Milling drawing with cover plate

Milling drawing with cover bracket




OBX-3102-3D



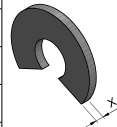
Description

ECO Adjustable frame box OBX-3102-3D

- Adjustable frame box for project hinges OBX in sizes 114,3; 120 mm and 160 mm
- For timber frames with rebated and unrebuted doors
- Adjustable in three dimensions
 - + / - 3 mm Side
 - + / - 3 mm Height
 - + / - 3 mm Pressure
- Surface: Steel zinc plated
- Shims to compensate for different door frame thicknesses

OBX-3102-3D timber frames	Material
OBX-3102-3D	Steel zinc plated

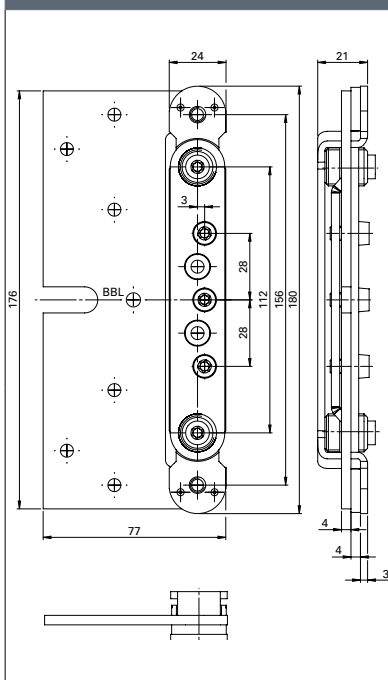
OBX-3102-3D shim	Material
x = 4 mm	Steel zinc plated
x = 3 mm	Steel zinc plated
x = 2 mm	Steel zinc plated
x = 1 mm	Steel zinc plated
x = 0,5 mm	Steel zinc plated



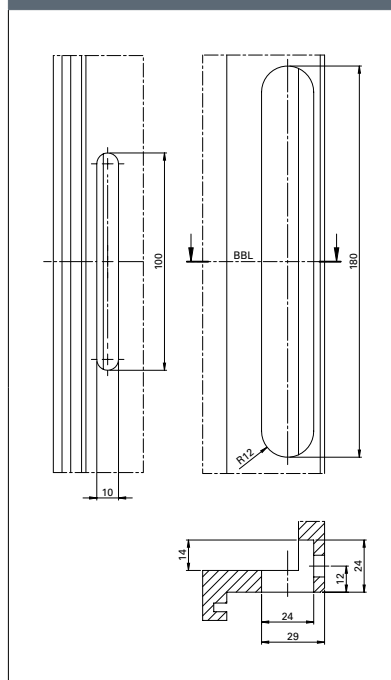
Advantages adjustable frame box

- Optimal setting options thanks to stable adjustment spindles.
- Screw connection with hexalobular internal driving feature and locking coating.
- Reinforced pressure plate for high-strength clamping effect.
- Infinitely adjustable in three dimensions.
- This simplifies the exact alignment of the door.

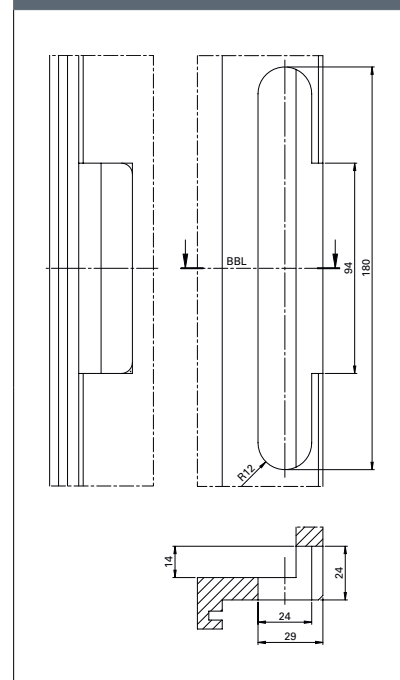
Dimension drawing



Milling drawing with cover plate



Milling drawing with cover bracket



OBX-3105-3D

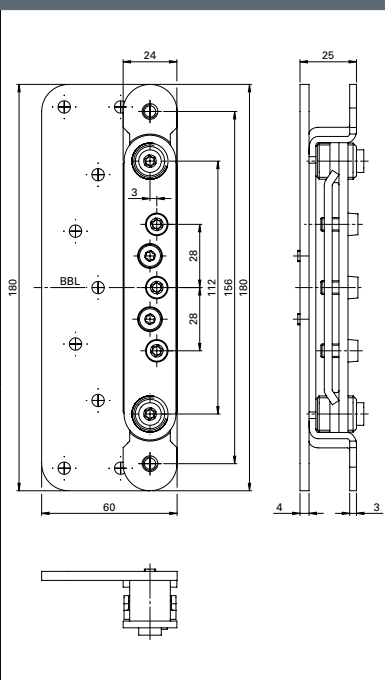
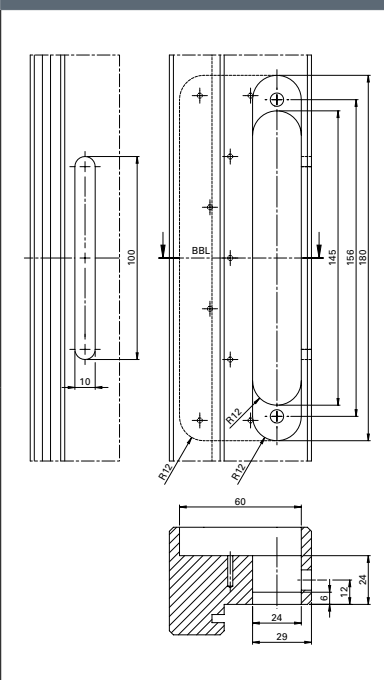
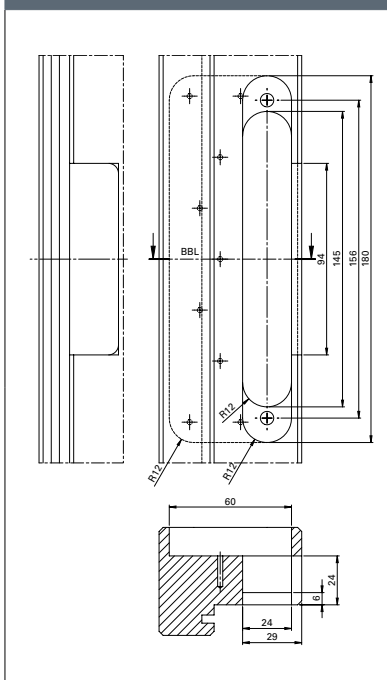
Description
ECO Adjustable frame box OBX-3105-3D

- Adjustable frame box for project hinges OBX in sizes 114,3; 120 mm and 160 mm
- For blind frames with rebated and unrebated doors
- Adjustable in three dimensions
- + / - 3 mm Side
- + / - 3 mm Height
- + / - 3 mm Pressure
- Surface: Steel zinc plated

OBX-3105-3D blind frames	Material
OBX-3105-3D	Steel zinc plated

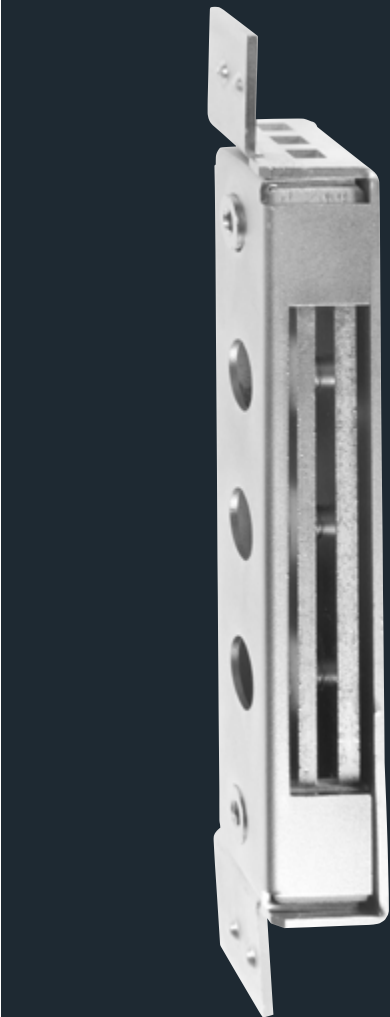
Advantages adjustable frame box

- Optimal setting options thanks to stable adjustment spindles.
- Screw connection with hexalobular internal driving feature and locking coating.
- Reinforced pressure plate for high-strength clamping effect.
- Infinitely adjustable in three dimensions.
- This simplifies the exact alignment of the door.

Dimension drawing

Milling drawing with cover plate

Milling drawing with cover bracket




OBX-3011/3012



Description

ECO Adjustable frame box OBX-3011-3D

- Adjustable frame box for project hinges OBX in sizes 114,3; 120 mm and 160 mm
- For steel frames with rebated and unrebated doors
- Adjustable in three dimensions
 - + / - 3 mm Side
 - + / - 3 mm Height
 - + / - 3 mm Pressure
- Surface: Steel zinc plated

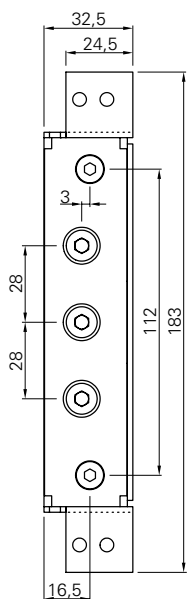
OBX-3011-3D With welding points steel frames	Material
OBX-3011-3D	Steel zinc plated

OBX-3012-3D Without welding points steel frames	Material
OBX-3012-3D	Steel zinc plated

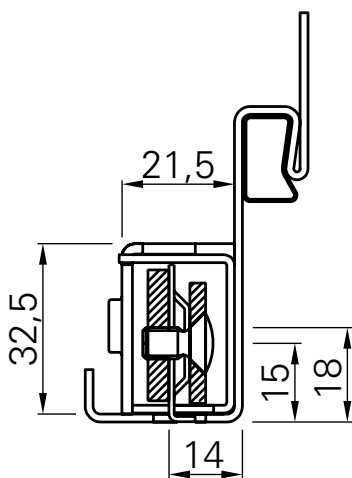
Advantages adjustable frame box

- Plastic-guided adjusting spindle ensures additional stability.
- Easier assembly thanks to a plastic-guided pressure plate. This makes the insertion of the OBX tape much easier.
- Infinitely adjustable in three dimensions.
- This simplifies the exact alignment of the door.

Dimension drawing



Top view



OBX-3121-3D

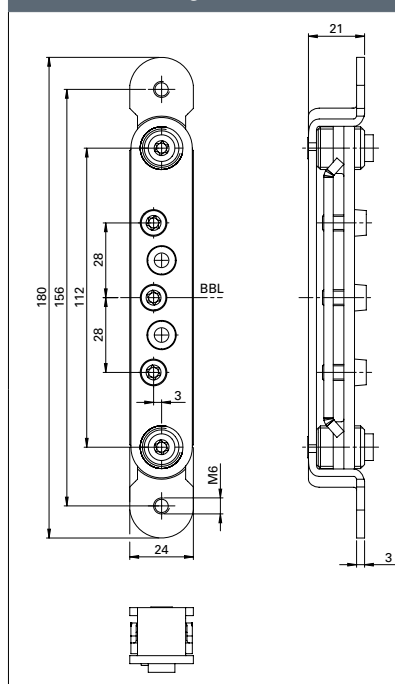
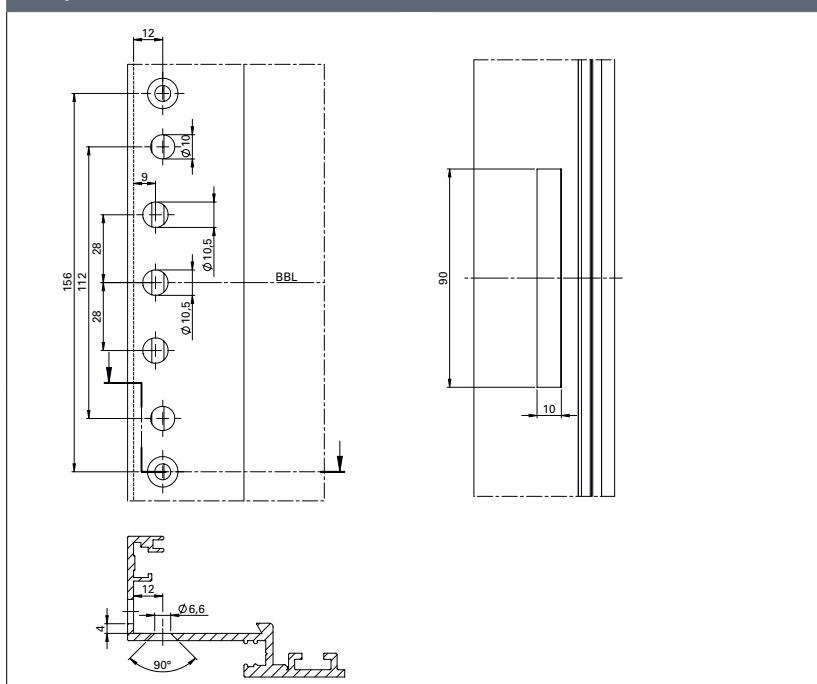
Description
ECO Adjustable frame box OBX-3121-3D

- Adjustable frame box for project hinges OBX in sizes 114,3; 120 mm and 160 mm
- For aluminium frames with rebated and unrebated doors
- Adjustable in three dimensions
- + / - 3 mm Side
- + / - 3 mm Height
- + / - 3 mm Pressure
- Surface: Steel zinc plated

OBX-3121-3D aluminium frames	Material
OBX-3121-3D	Steel zinc plated

Advantages adjustable frame box

- Optimal setting options thanks to stable adjustment spindles.
- Screw connection with hexalobular internal driving feature and locking coating.
- Reinforced pressure plate for high-strength clamping effect.
- Infinitely adjustable in three dimensions.
- This simplifies the exact alignment of the door.

Dimension drawing

Hole pattern


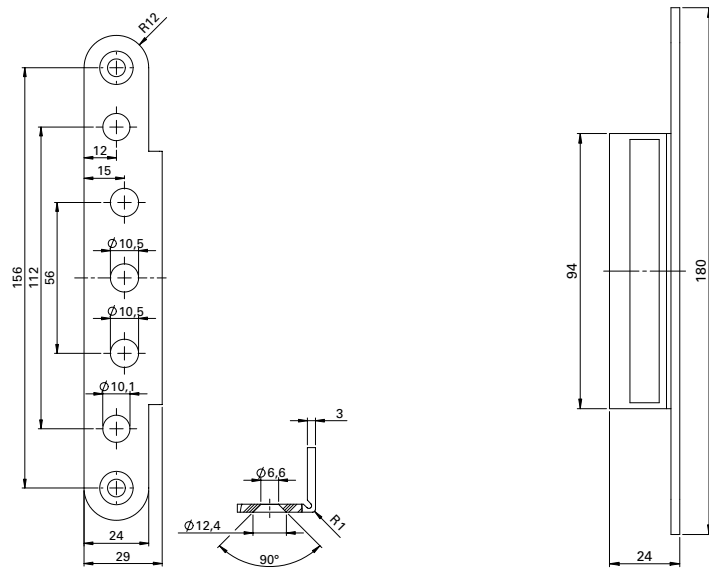


Cover brackets for adjustable frame boxes OBX

OBX-3196



Dimension drawing



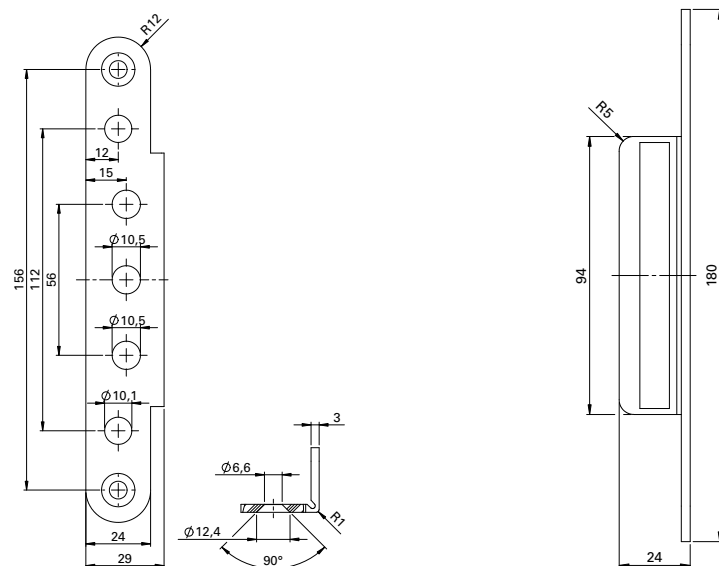
Cover bracket OBX-3196	Material	Angle · Ending
OBX-3196.ER	ER	Square- square

4

OBX-3197



Dimension drawing



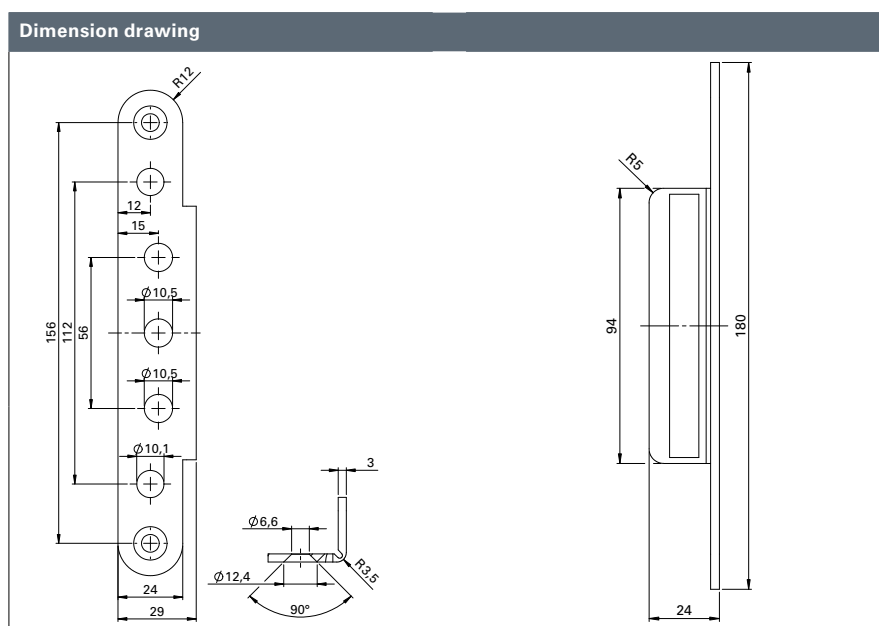
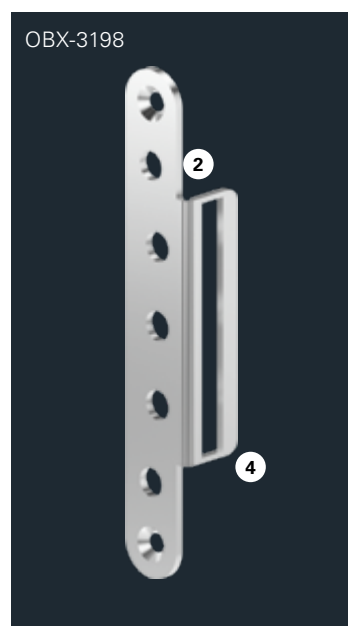
Cover bracket OBX-3197	Material	Angle · Ending
OBX-3197.ER	ER	Square- round

1 square angle

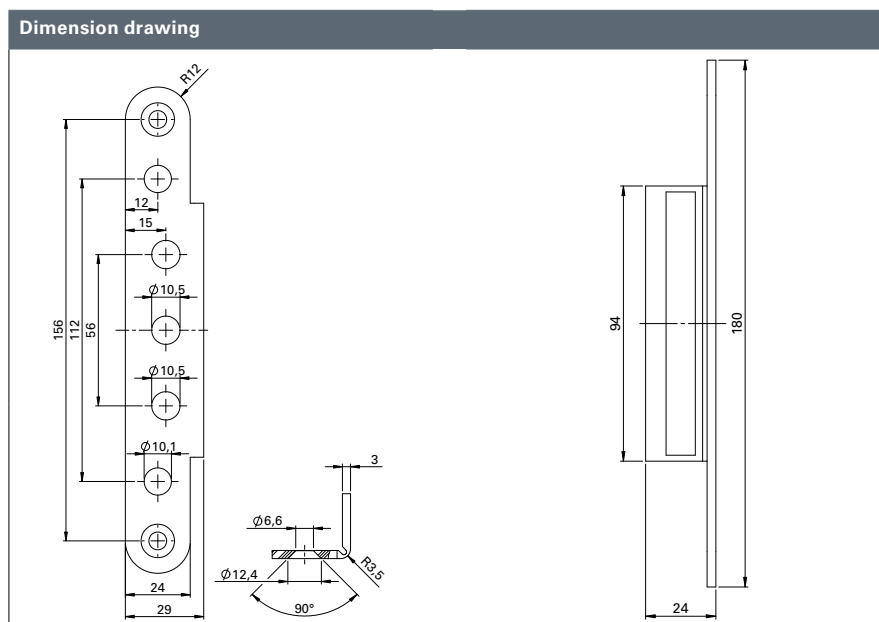
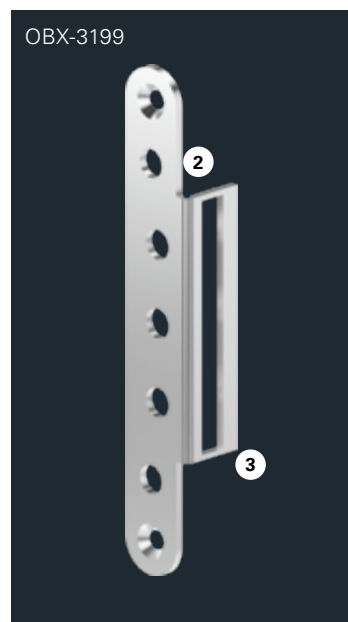
2 round angle

3 square ending

4 round ending



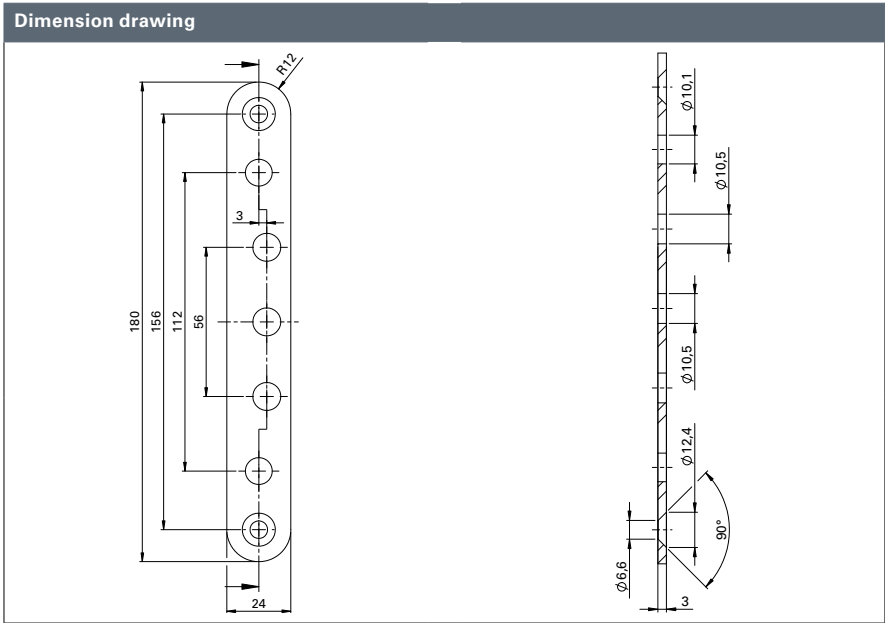
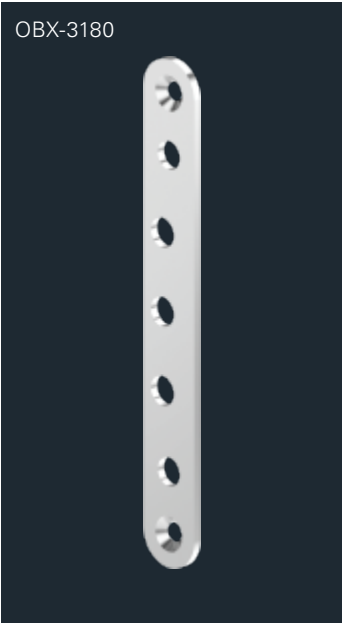
Cover bracket OBX-3198	Material	Angle · Ending
OBX-3198.ER	ER	Round · round



Cover bracket OBX-3199	Material	Angle · Ending	Art-No.
OBX-3199.ER	ER	Round · square	5030061185

- ① square angle
② round angle

- ③ square ending
④ round ending



Cover plate OBX-3180	Material	Description
OBX-3180.ER	ER	Cover plates for adjustable frame boxes OBX Material: stainless steel, steel nickel-plated or steel zinc-plated.



Lifting lug

The use of lifting lugs is recommended for additional stabilization of the hinge - depending on use, construction and load of the door. Lifting lugs relieve the fixing screws and stabilize the hinge parts in the door frame. The lifting lugs transfer the forces into the stabilized door frame so the forces can be better absorbed. The lifting lug is only stabilizing, not increasing the loading capacity.

Lifting lug in order to stabilize the hinge	Material	Master gauge
OBX-6012.St.Zk	St.Zk	for 7 point master gauge for holes