

TECHNOLOGY

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COMPLETE SOLUTION  
FOR ANY CLADDING

**BILDA**®

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**STOA OOD**

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## GENERAL:

BILDA® is a game-changing system and technology for mechanical fixing of cladding and insulation. BILDA® provides advantages for all stakeholders in the building envelope process. It is applicable for:

- building envelopes, interior surfaces
- vertical, horizontal or inclined claddings
- any type and thickness of cladding material
- all methods of cladding panel attachment
- assembling of spatial structures

## COMPONENTS:

- BILD-ing kit.

A modular set of square profiles, Q-channelled at corners, and versatile elements that can form various structures through quick coupling – from flat grids to spatial assemblies and entire independent structures. These can incorporate mechanically fixed layers to form cladding skins for facades or other applications.

- Panel attachment method.

A precision slot technique that allows for innovative 'slot-and-blade' attachment of the skin elements to the substructure. The precision slot is a minimally invasive cut in the side of the panels that spares their thickness and strength, respectively. The blades of the fixing clips tie back the panels by penetrating the slots. The 'slot-and-blade' connection also allows for even distribution of stress from horizontal load.

- Know-how.

Assembly rules and principles, detailing, technical data, instructions and methodology, precision slot milling guidelines – all developed through study, computer and solid modeling, testing and practice.

- Slotting machinery.

Patented machinery and tools for milling the precision mortise slots in panels by a low-cost linear cutting process. A range of efficient rigs for the factory and construction site as well as handheld machines is available. These are equipped with cutting discs for all cladding materials.

## FEATURES:

- Versatility.

The modular set of elements is designated for covering walls and creating simple cladding layers, as well as for modeling the cladding layer in a 'bas relief' manner or create 'haut relief' features and facade elements.

- Low cost.

BILDA® accomplishes structures of excellent strength-to-cost ratio due to its integrity. Labour time is saved through quick connections. Panel thickness may be reduced via the flat precision slot. Slots are the easiest cladding panel mortise due to machining through linear cutting.

- Universality.

A wide range of fixing clips of different sizes and shapes can support panels from all materials, of different thickness and configuration. The clips, in addition to the preferred 'slot-and-blade' method, can handle all known fixing methods – the 'hole-and-dowel', 'undercut' or other types. These can be employed next to each other.

- Insulation friendliness.

Improved thermal and fire safety performance due to additional light transoms and components enabling support of the insulation by BILDA® itself.

- Basic assemblies.

Vertical strut assembly – mainly for 'landscape' orientation of the cladding panels.  
Horizontal strut assembly – mainly for 'portrait' orientation of the cladding panels.

- Pre-planned solutions.

For feature nodes within the cladding areas (corners, reveals, copings, etc.) and for interface fragments (to curtain walls, windows, doors, roofs).

## MATERIALS:

BILDA® components are produced mainly from aluminium alloy EN AW - 6063 (AlMg0,7Si).

It is widely used in extrusion, commonly referred to as an architectural alloy and is one of the most popular in the 6000 series. It is characterized by good strength and very good corrosion resistance. BILDA® components can be produced from other alloys upon request.

Fasteners and some components are produced from stainless steel.

## REGULATIONS:

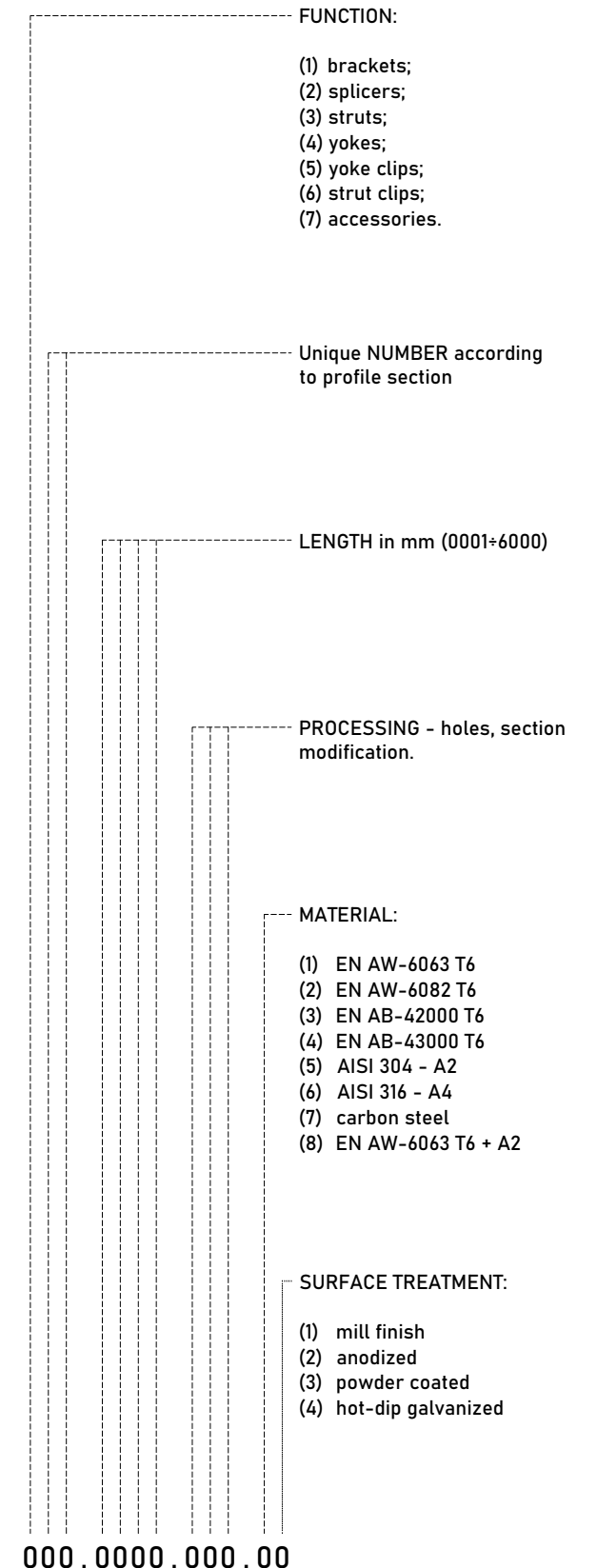
BILDA® cladding system complies with international regulations:

- EN 1990: Eurocode – Basis of Structural Design
- EN 1991: Eurocode 1 – Actions on Structures
- EN 1999: Eurocode 9 – Design of Aluminium Structures
- DIN 18516-1:2010-06 – Cladding for external walls, ventilated at rear
- ASTM

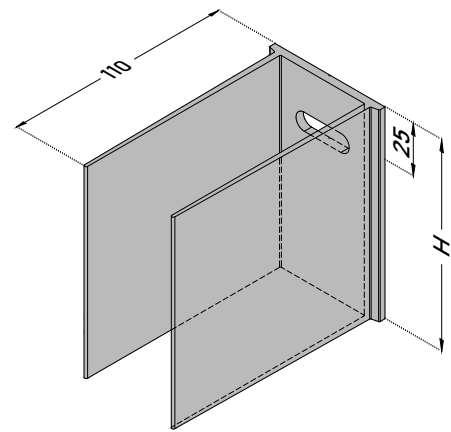
## INTELLECTUAL PROPERTY RIGHTS:

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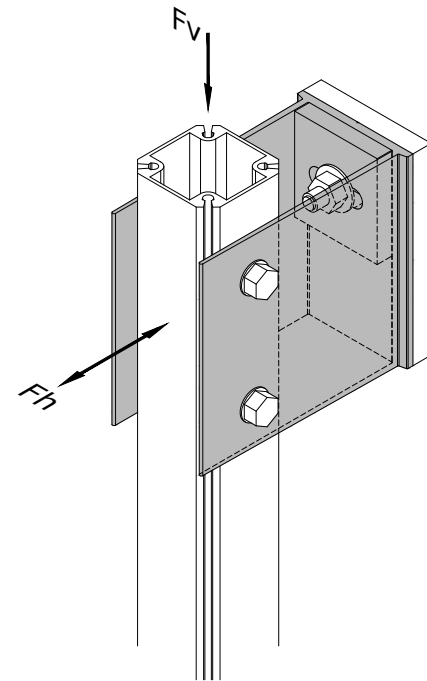
## ARTICLE NUMBER CLARIFICATION:



U-BRACKET  
projection up to 110mm



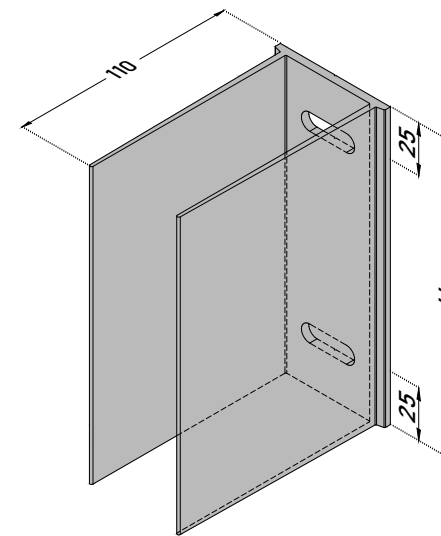
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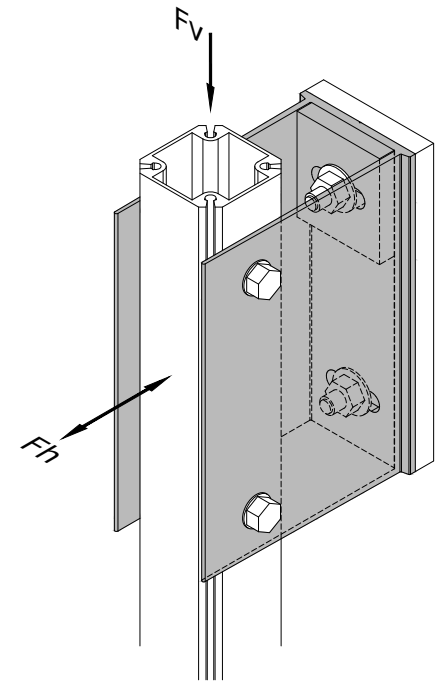
Art.N°  
110.----.01-.11

Art.N°	H (mm)	Anchor diameter	Fv max (kN)	Fh max (kN)
110.0070.012.11	70	M8	1,30	1,30
110.0095.012.11	95	M8	1,70	1,70
110.0120.012.11	120	M8	1,90	1,90
110.0070.013.11	70	M10	2,30	2,30
110.0095.013.11	95	M10	2,90	2,90
110.0120.013.11	120	M10	3,30	3,30

U-BRACKET  
projection up to 110mm



TECHNICAL DATA:

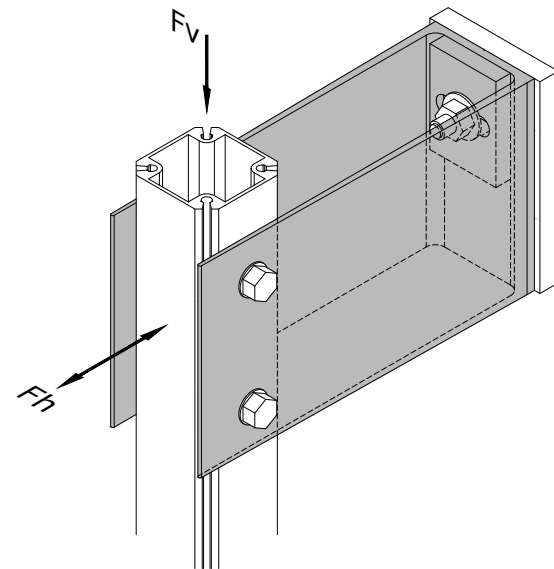
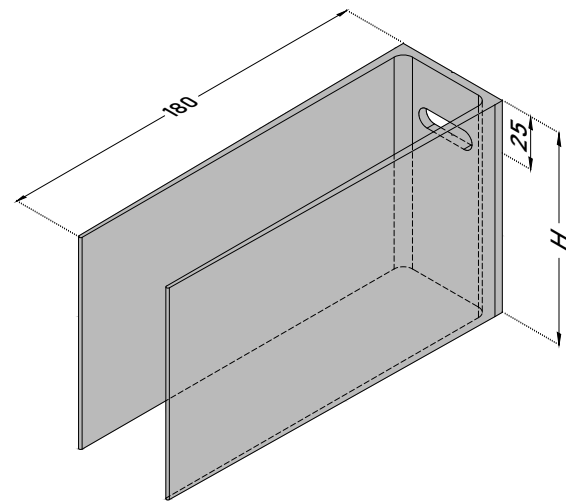


Art.N°  
110.----.02-.11

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110.0195.022.11	195	M8	3,20	3,20
110.0145.023.11	145	M10	4,90	4,90
110.0195.023.11	195	M10	5,60	5,60

U-BRACKET  
projection up to 180mm

TECHNICAL DATA:

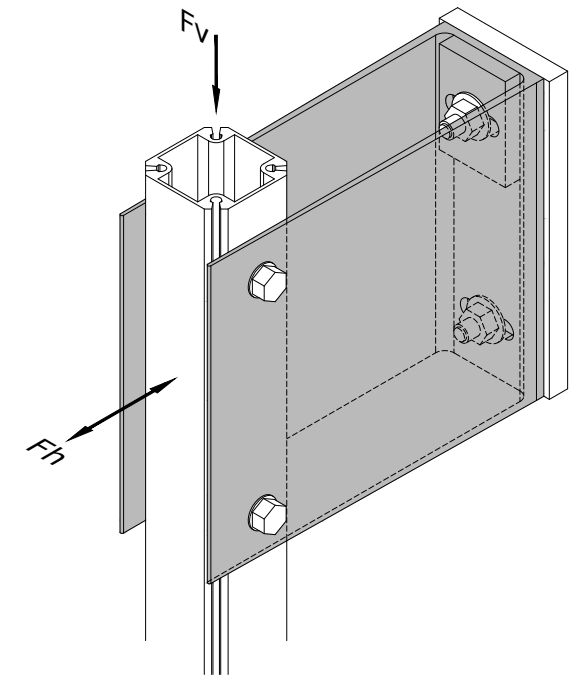
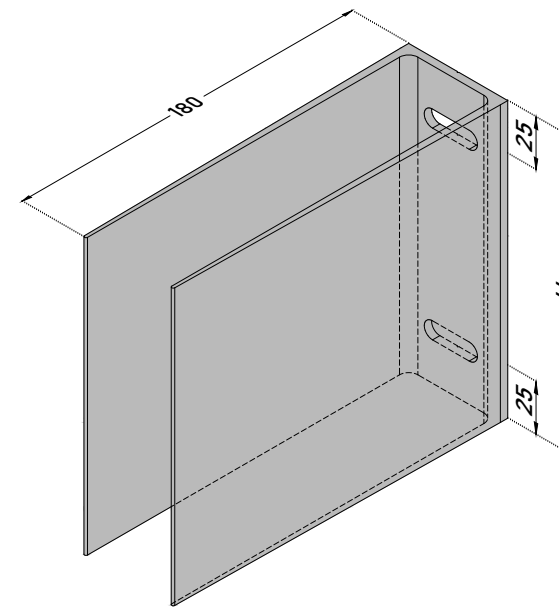


Art.N°  
111.-----01-.11

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111.0095.012.11	95	M8	1,20	1,20
111.0120.012.11	120	M8	1,50	1,50
111.0070.013.11	70	M10	1,60	1,60
111.0095.013.11	95	M10	2,20	2,20
111.0120.013.11	120	M10	2,60	2,60

U-BRACKET  
projection up to 180mm

TECHNICAL DATA:



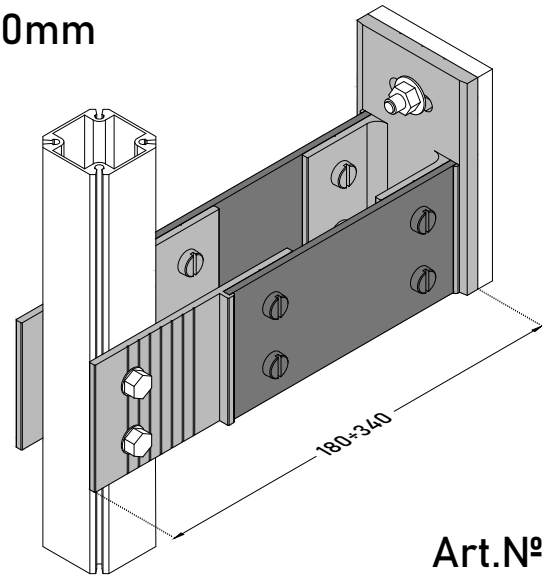
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111.0195.022.11	195	M8	2,60	2,60
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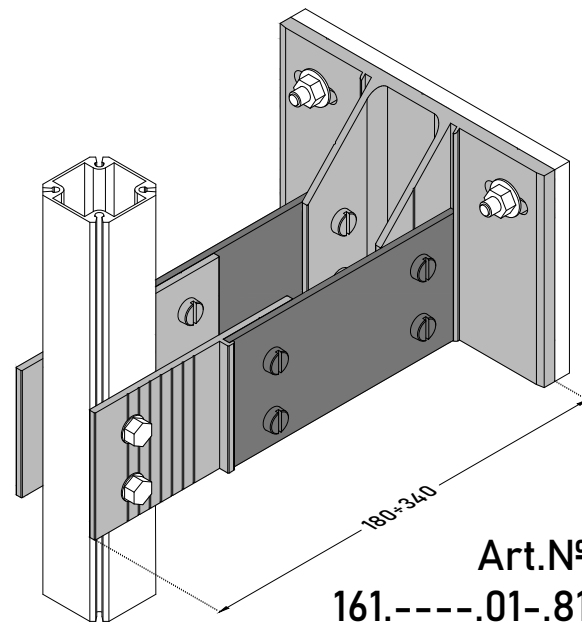
U-BRACKETS

Thermal break  
Fire resistant  
Bi-metal

projection 180mm±340mm

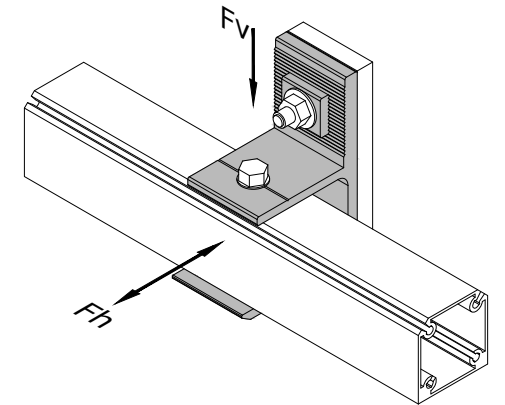
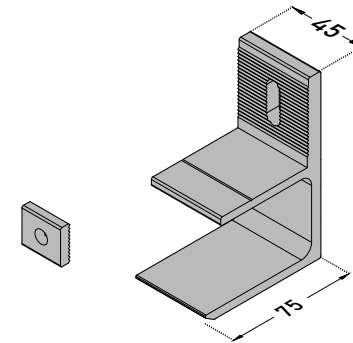


Art.N°  
160.-----01-.81



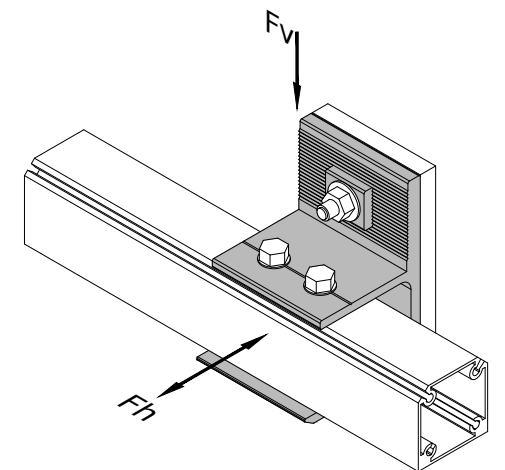
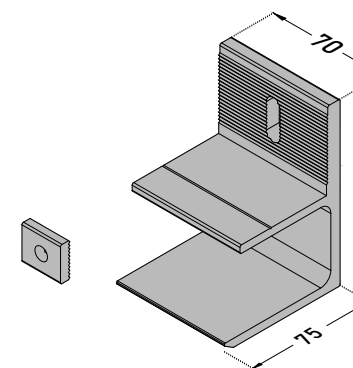
Art.N°  
161.-----01-.81

Art.N°  
120.0045.01-.11



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120.0045.013.11	45	M10	1,20	1,05

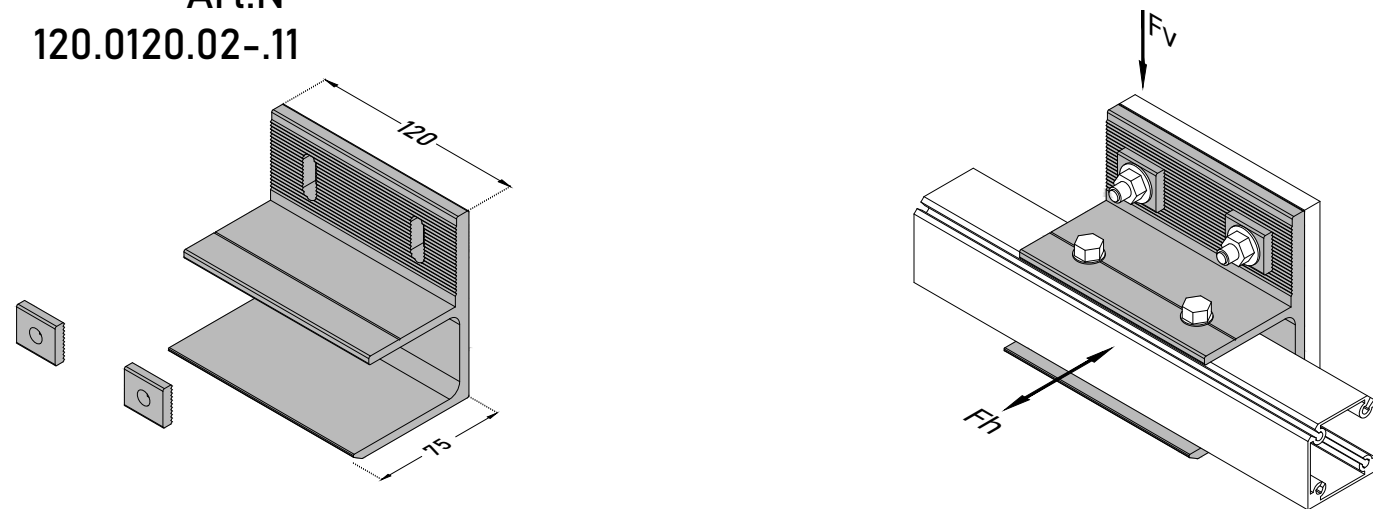
Art.N°  
120.0070.01-.11



Art.N°	H (mm)	Anchor diameter	Fv max (kN)	Fh max (kN)
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120.0070.013.11	70	M10	1,40	1,20

F-BRACKET for horizontal strut assembly  
projection 75mm

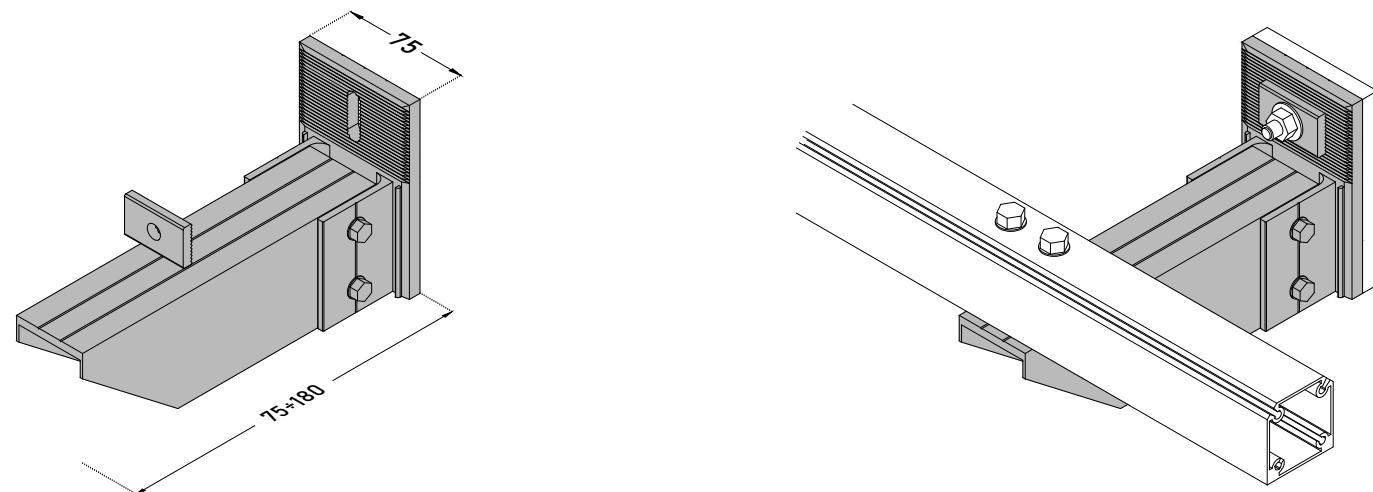
Art.N°  
120.0120.02-.11



Art.N°	H (mm)	Anchor diameter	Fv max (kN)	Fh max (kN)
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120.0120.023.11	120	M10	2,10	1,80

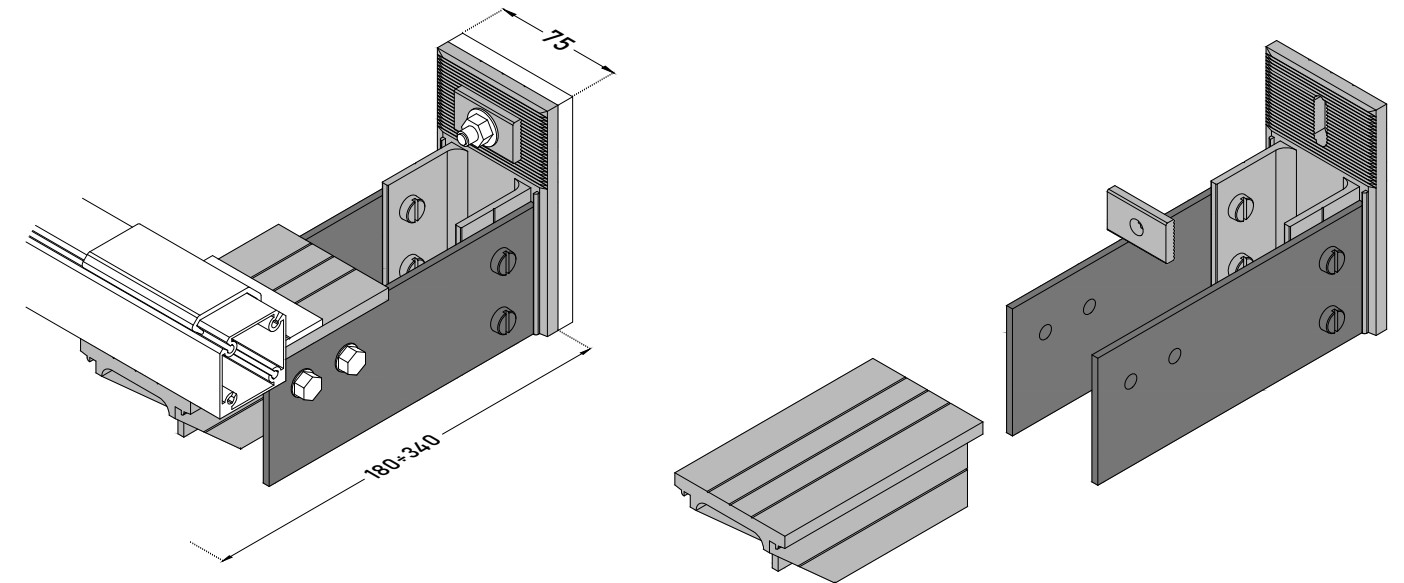
BRACKET for horizontal strut assembly  
projection 75mm÷180mm

Art.N°  
162.-----01-.11



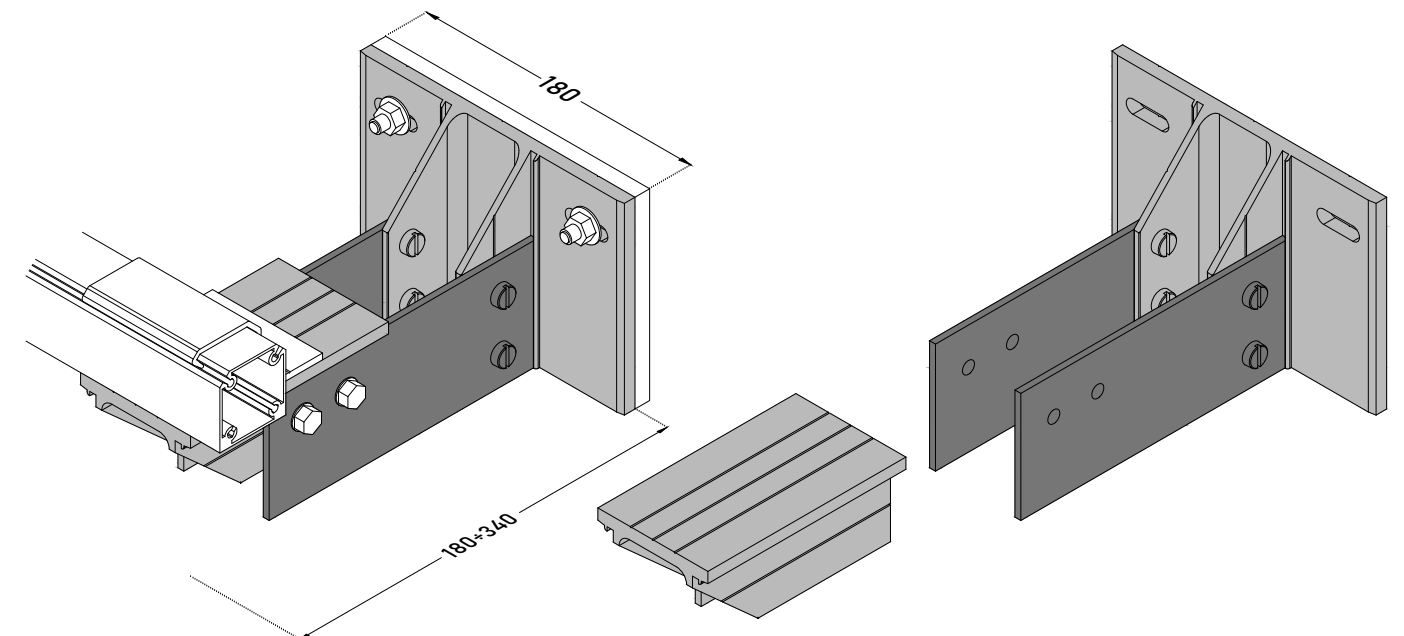
BRACKETS for horizontal strut assembly  
Thermal break | Fire resistant | Bi-metal  
projection 180mm÷340mm

Art.N°  
163.-----01-.81



BRACKET for horizontal strut assembly  
Thermal break | Fire resistant | Bi-metal  
projection 180mm÷340mm

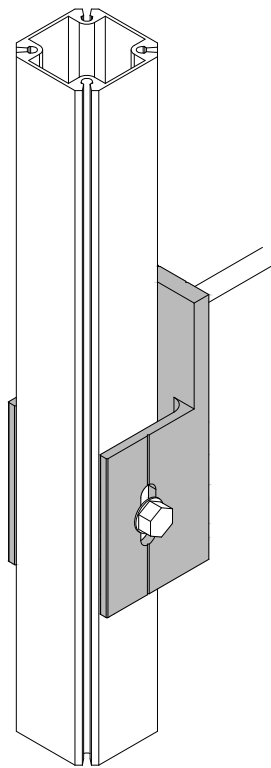
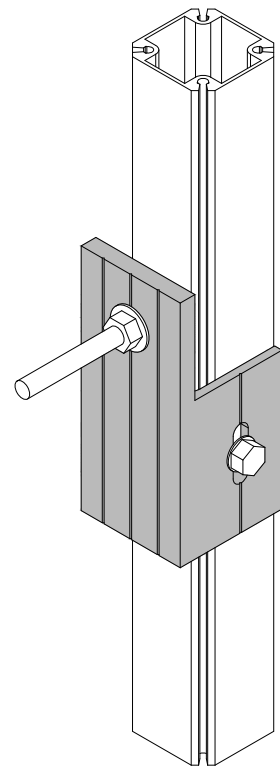
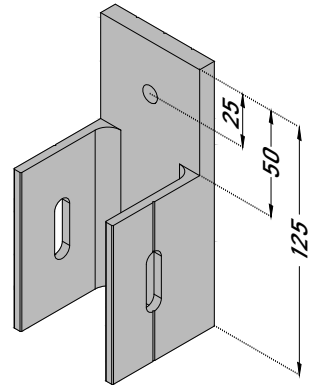
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164.-----01-.81





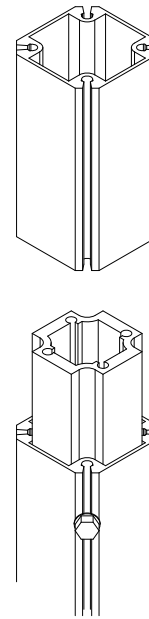
BRACKET RESTRAINING

Art.N°  
112.0125.01-.11

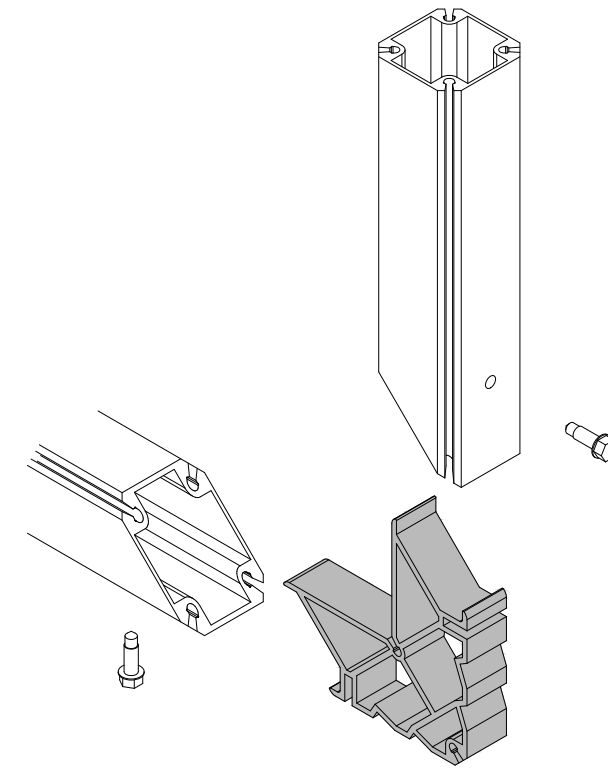
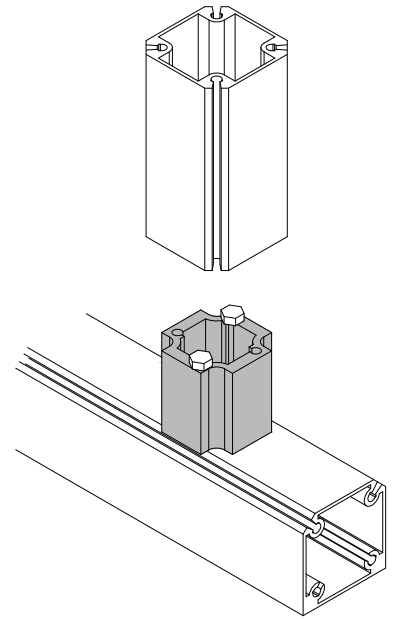


SPLICERS

linear  
Art.N°  
251.0196.000.11



perpendicular  
Art.N°  
251.0045.000.11



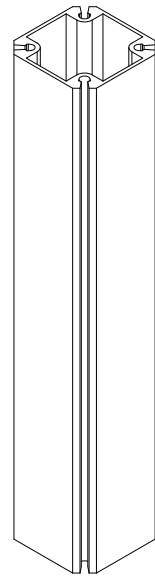
corner  
Art.N°  
252.0021.000.11



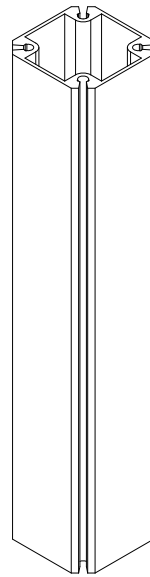
STRUT PROFILES

The BILDA® patented strut profiles have a closed section and Q-channels at corners, which allow for the easy alignment and interlocking of the system components. A range of similar in section strut profiles is used to produce mullions and transoms. The strut profiles are also applicable in the assembly of spatial structures of different configurations prefabricated off-site.

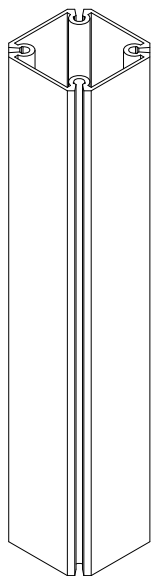
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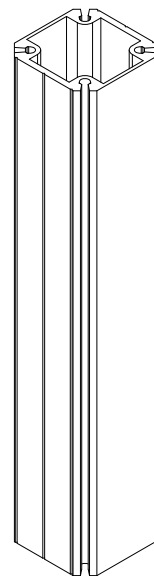
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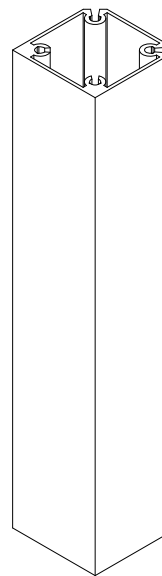
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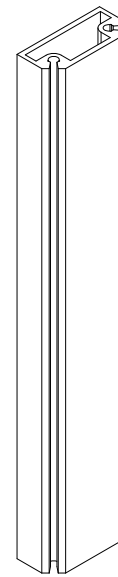
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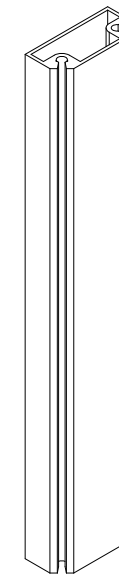
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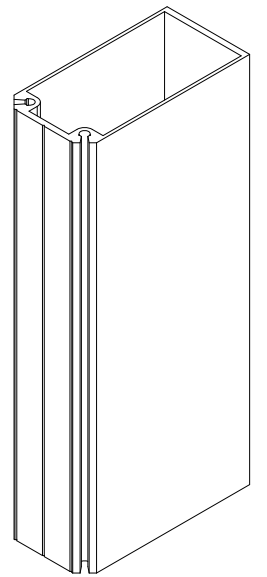
Art.Nº  
321.6000.000.11



Art.Nº  
322.6000.000.11



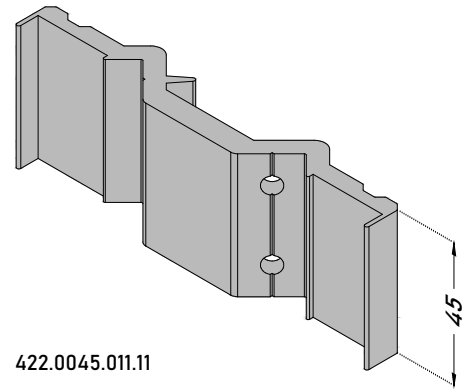
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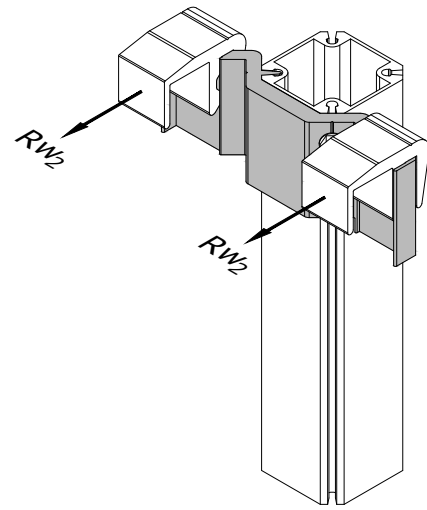
TECHNICAL DATA:

Art.Nº	Moment of inertia		Section modulus	
	Ix (cm <sup>4</sup> )	Iy (cm <sup>4</sup> )	Sx (cm <sup>3</sup> )	Sy (cm <sup>3</sup> )
301.6000.000.11	9,57	9,57	4,25	4,25
302.6000.000.11	12,63	12,63	5,61	5,61
303.6000.000.11	10,55	10,55	4,69	4,69
304.6000.000.11	15,03	12,84	6,68	5,71
305.6000.000.11	12,60	12,90	5,04	5,73
321.6000.000.11	7,74	1,76	3,44	1,76
322.6000.000.11	6,91	1,38	3,07	1,31
323.6000.000.11	73,86	18,42	15,10	8,19

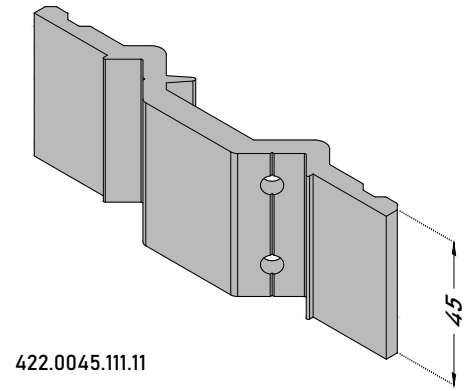
YOKE DOUBLE



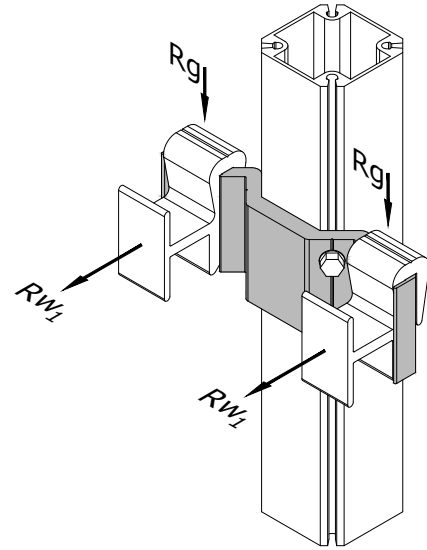
422.0045.011.11



422.0045.011.11



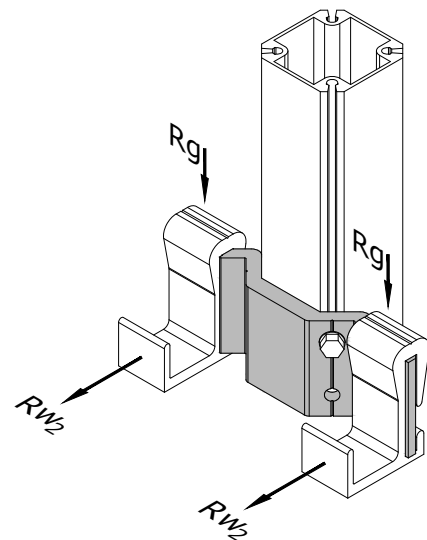
422.0045.111.11



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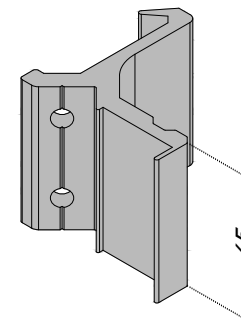
TECHNICAL DATA:

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422.0045.111.11	0,75	-	0,85

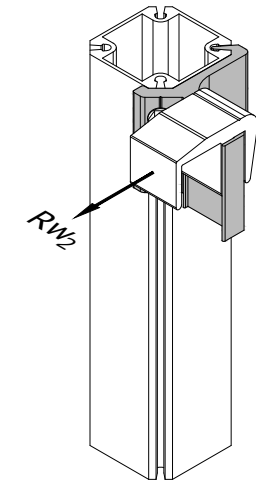


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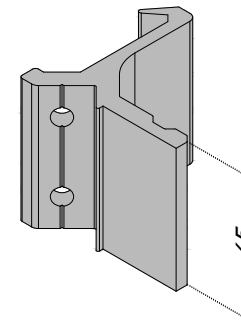
YOKE ONE-SIDED S



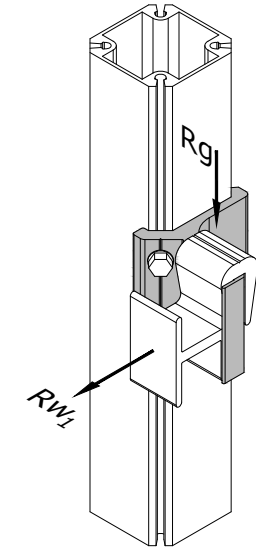
442.0045.011.11



442.0045.011.11



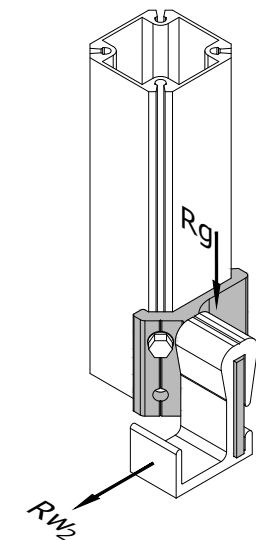
442.0045.111.11



442.0045.011.11

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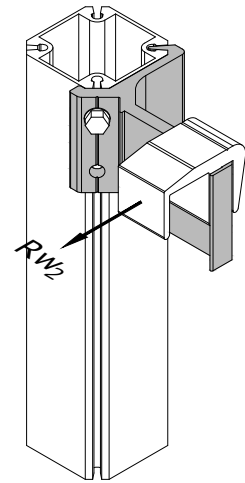
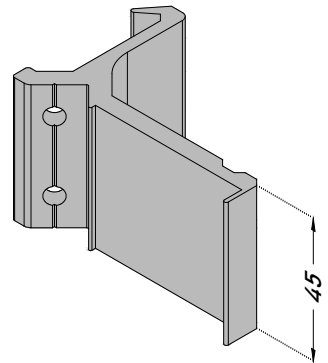
Art.N°	Rg max (kN)	Rw <sub>1</sub> max (kN)	Rw <sub>2</sub> max (kN)
442.0045.011.11	1,40	1,36	1,08
442.0045.111.11	1,25	-	1,25



442.0045.111.11

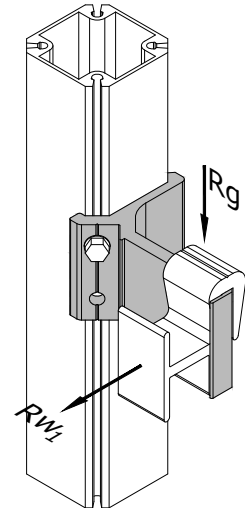
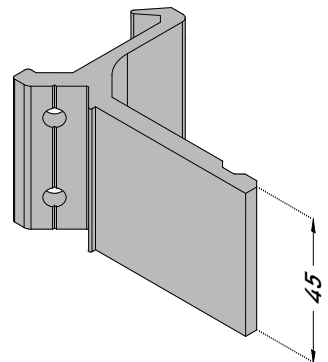
YOKE ONE-SIDED M

443.0045.011.11



443.0045.011.11

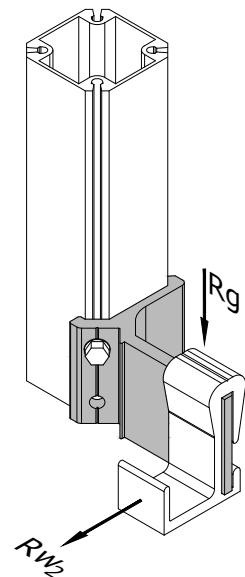
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443.0045.011.11

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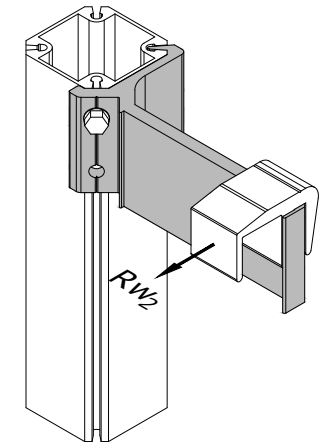
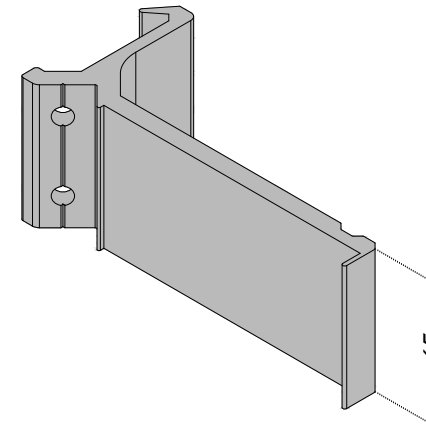
Art.N°	R <sub>g</sub> max (kN)	R <sub>w1</sub> max (kN)	R <sub>w2</sub> max (kN)
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443.0045.111.11	1,25±0,80	-	1,25±0,52



443.0045.111.11

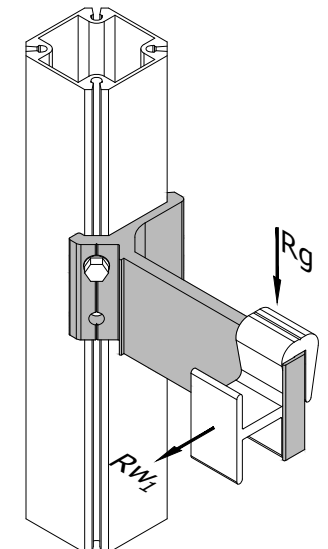
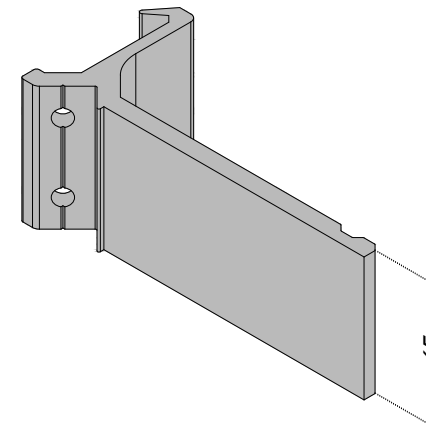
YOKE ONE-SIDED X

444.0045.011.11



444.0045.011.11

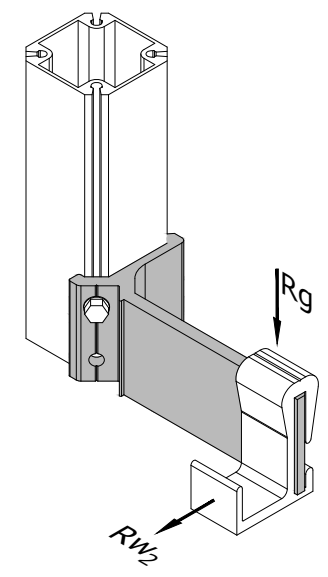
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444.0045.011.11

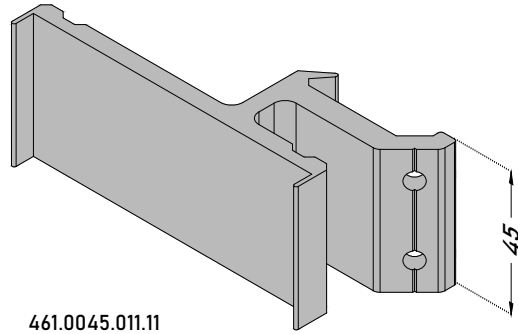
TECHNICAL DATA:

Art.N°	R <sub>g</sub> max (kN)	R <sub>w1</sub> max (kN)	R <sub>w2</sub> max (kN)
444.0045.011.11	1,40±0,46	1,36±0,28	1,08±0,28
444.0045.111.11	1,25±0,46	-	1,25±0,28

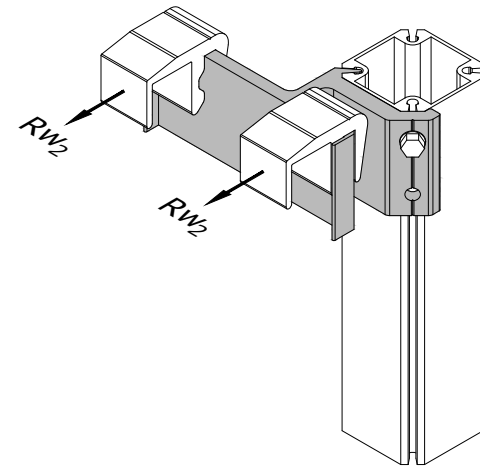


444.0045.111.11

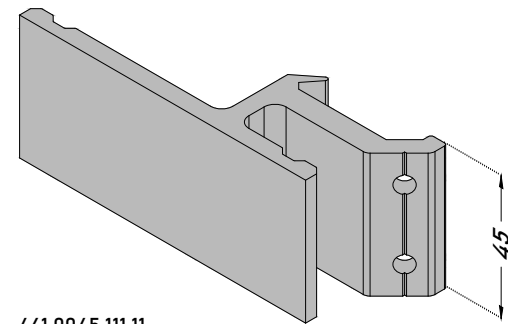
YOKE OFFSET LOCKING



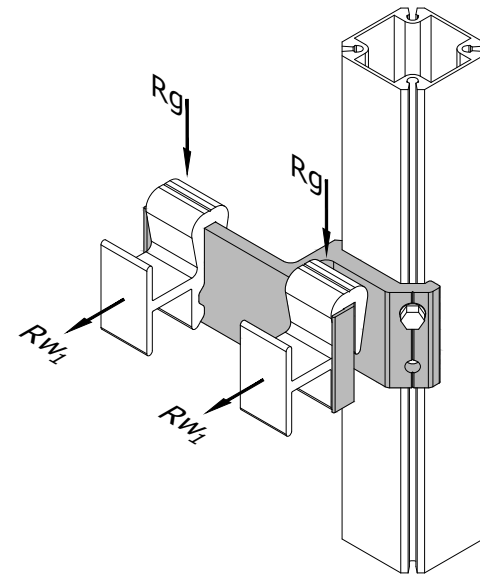
461.0045.011.11



461.0045.011.11



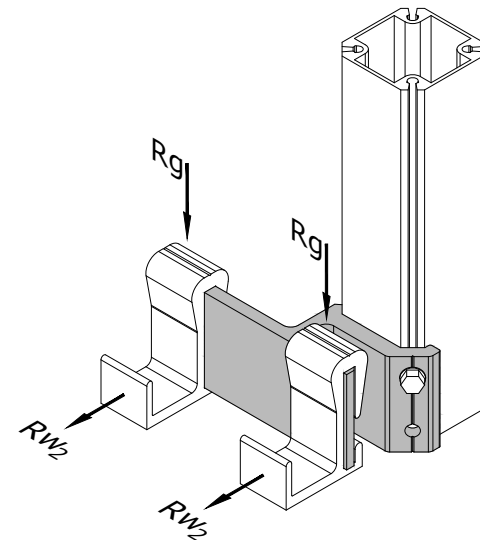
461.0045.111.11



461.0045.011.11

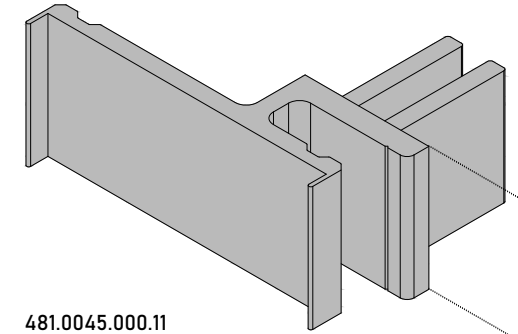
TECHNICAL DATA:

Art.N°	Rg max (kN)	Rw <sub>1</sub> max (kN)	Rw <sub>2</sub> max (kN)
461.0045.011.11	0,40	0,40	0,37
461.0045.111.11	0,40	-	0,34

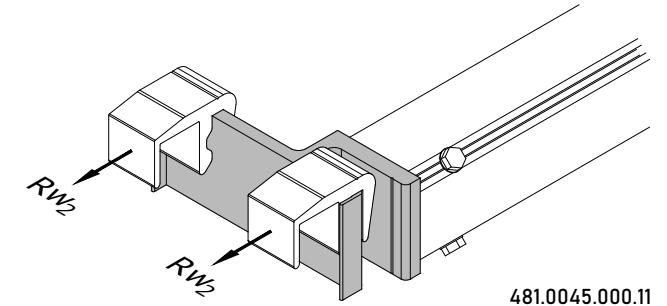


461.0045.111.11

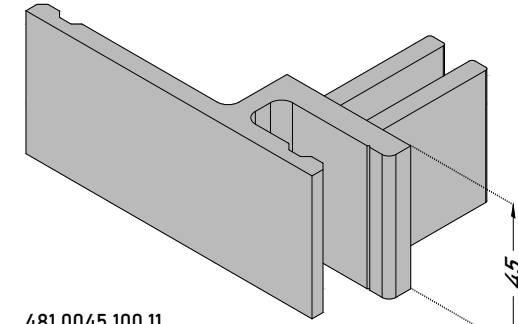
YOKE OFFSET PLUGIN



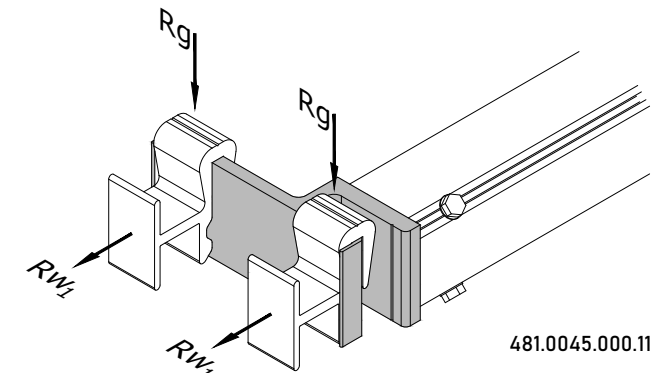
481.0045.000.11



481.0045.000.11



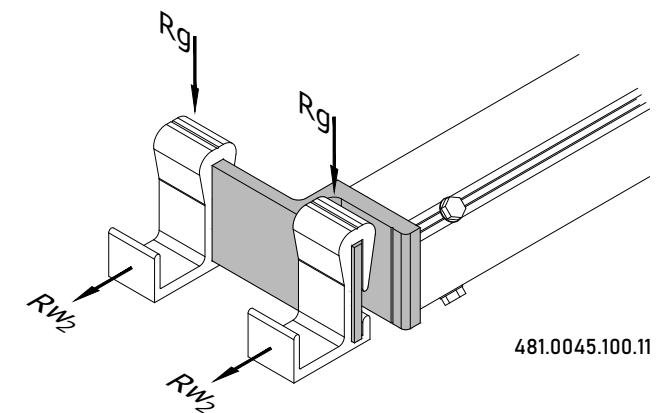
481.0045.100.11



481.0045.000.11

TECHNICAL DATA:

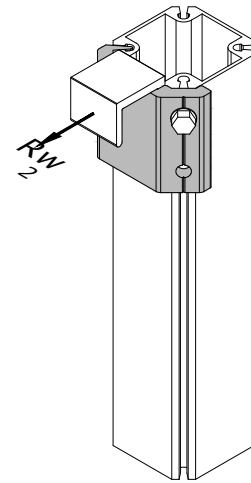
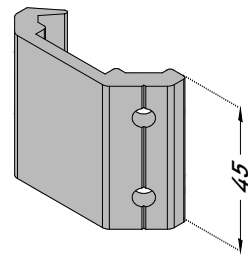
Art.N°	Rg max (kN)	Rw <sub>1</sub> max (kN)	Rw <sub>2</sub> max (kN)
481.0045.000.11	0,40	0,34	0,34
481.0045.100.11	0,40	-	0,34



481.0045.100.11

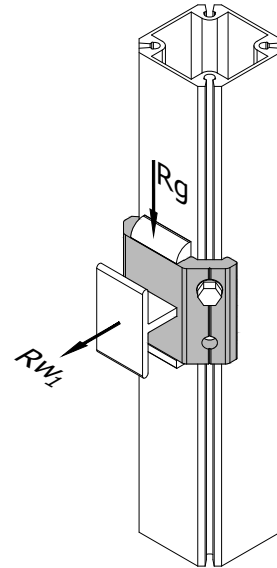
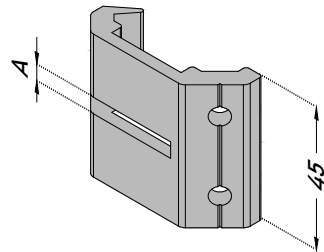
YOKE AXIAL

400.0045.011.11



400.0045.011.11

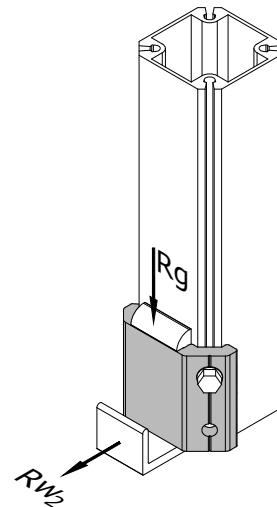
400.0045.012.11  
400.0045.013.11  
400.0045.014.11



400.0045.012.11  
400.0045.013.11  
400.0045.014.11

TECHNICAL DATA:

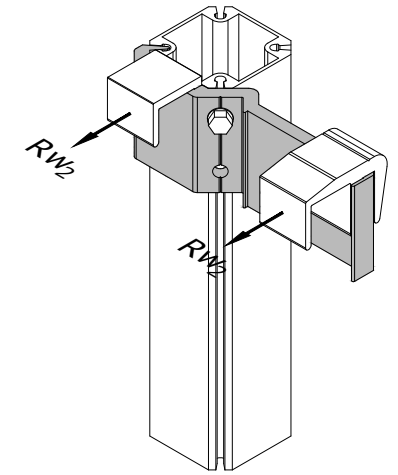
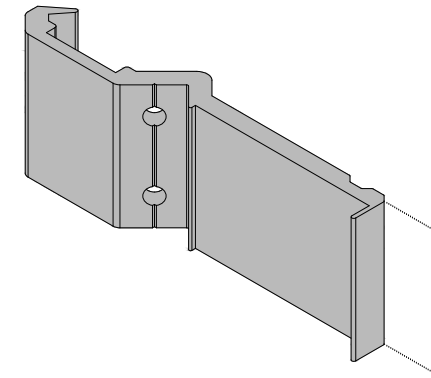
Art.N°	A (mm)	Rg max (kN)	Rw1 max (kN)	Rw2 max (kN)
400.0045.011.11	-	1,50	-	0,63
400.0045.012.11	3,2	1,50	1,00	-
400.0045.013.11	4,2	1,50	1,00	-
400.0045.014.11	5,2	1,50	1,00	-



400.0045.011.11

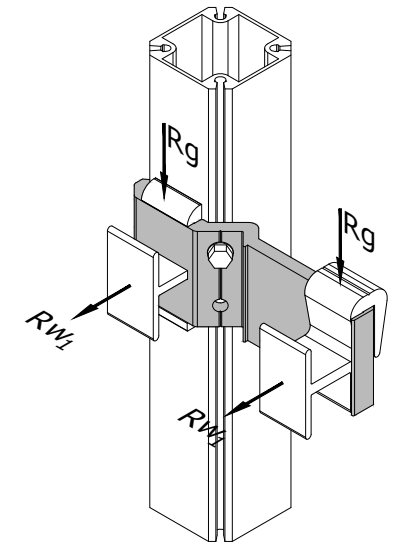
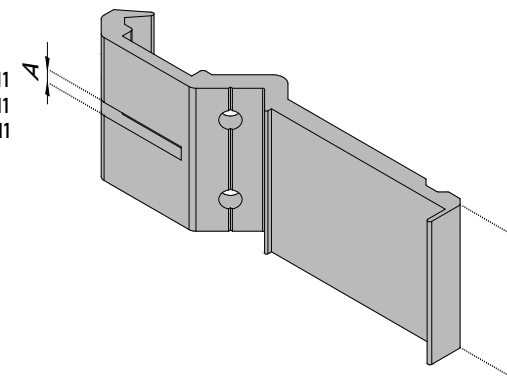
YOKE AXIAL & ONE-SIDED

462.0045.011.11



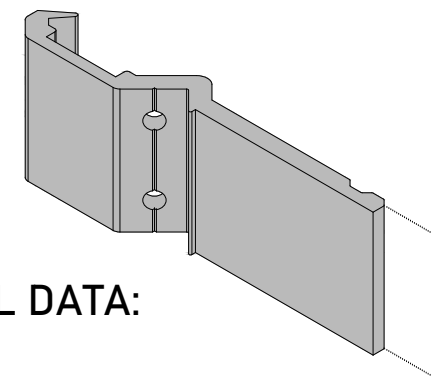
462.0045.011.11

462.0045.012.11  
462.0045.013.11  
462.0045.014.11



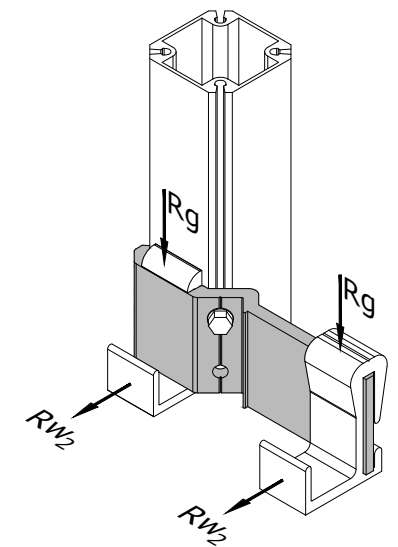
462.0045.012.11  
462.0045.013.11  
462.0045.014.11

462.0045.111.11



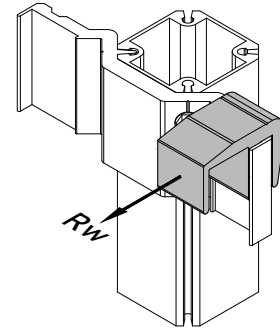
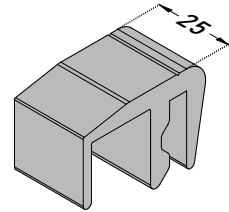
TECHNICAL DATA:

Art.N°	A (mm)	Rg max (kN)	Rw1 max (kN)	Rw2 max (kN)
462.0045.011.11	-	-	-	0,24
462.0045.012.11	3,2	0,40	0,22	-
462.0045.013.11	4,2	0,40	0,22	-
462.0045.014.11	5,2	0,40	0,22	-
462.0045.111.11	-	0,40	-	0,11

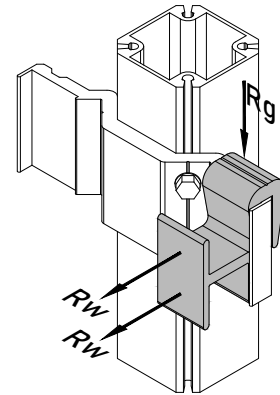
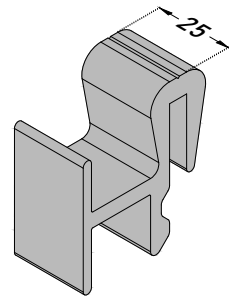


462.0045.111.11

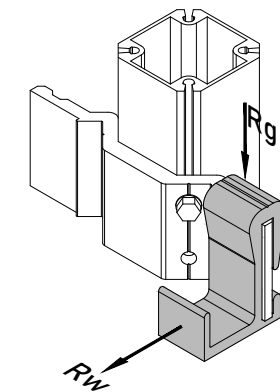
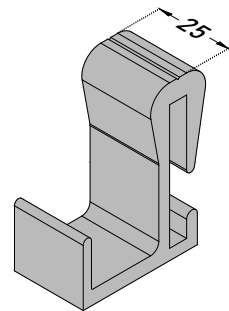
YOKE CLIPS  
for 'slot & blade' fixing



Yoke clip top



Yoke clip middle



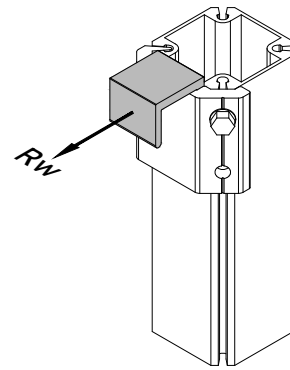
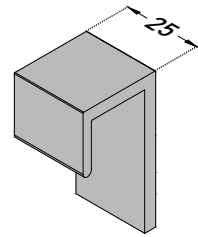
Yoke clip bottom

Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
535.0025.000.11	15	3	3	7	-	0,50
538.0025.000.11	20	3	3	11,5	-	0,50
541.0025.000.11	30	3	3	16,5	-	0,50
544.0025.000.11	40	3	3	21,5	-	0,50

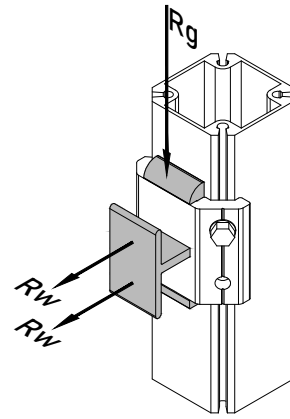
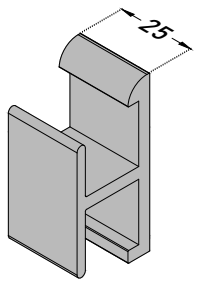
Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
534.0025.000.11	15	3	3	7	0,64	0,50
537.0025.000.11	20	3	3	11,5	0,42	0,50
540.0025.000.11	30	4	3	16,5	0,54	0,50
543.0025.000.11	40	5	3	21,5	0,66	0,50

Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
533.0025.000.11	15	3	3	7	0,64	0,68
536.0025.000.11	20	3	3	11,5	0,42	0,68
539.0025.000.11	30	4	3	16,5	0,54	0,68
542.0025.000.11	40	5	3	21,5	0,66	0,68

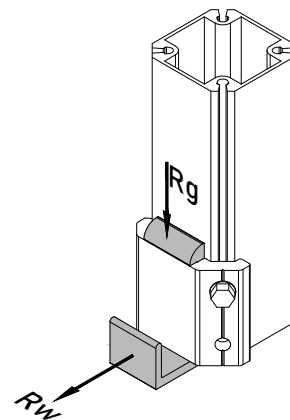
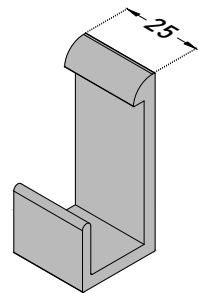
YOKE CLIPS AXIAL  
for 'slot & blade' fixing



Yoke clip axial top



Yoke clip axial middle



Yoke clip axial bottom

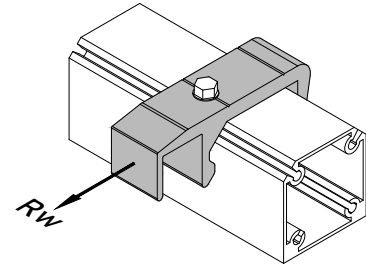
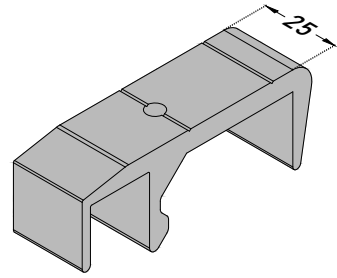
Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
552.0025.100.11	15	3	3	6	-	0.50
550.0025.100.11	20	3	3	10.5	-	0.50
545.0025.100.11	30	4	3	15.5	-	0.50
547.0025.100.11	40	5	3	20.5	-	0.50

Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
553.0025.000.11	15	3	3	6	0,64	0,50
551.0025.000.11	20	3	3	10,5	0,42	0,50
546.0025.000.11	30	4	3	15,5	0,54	0,50
548.0025.000.11	40	5	3	20,5	0,66	0,50

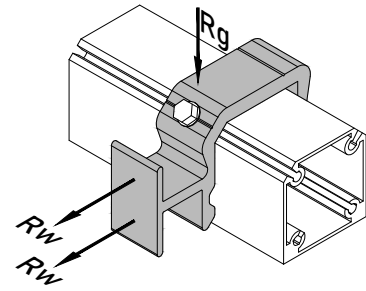
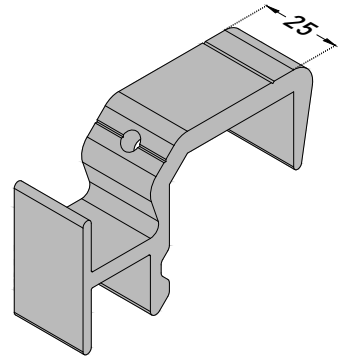
Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
552.0025.000.11	15	3	3	6	0,64	0,68
550.0025.000.11	20	3	3	10,5	0,42	0,68
545.0025.000.11	30	4	3	15,5	0,54	0,68
547.0025.000.11	40	5	3	20,5	0,66	0,68



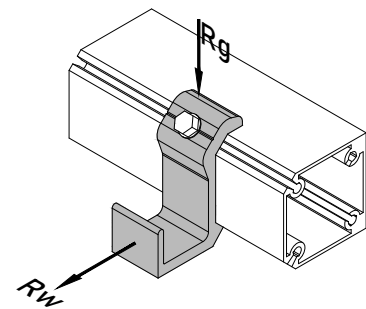
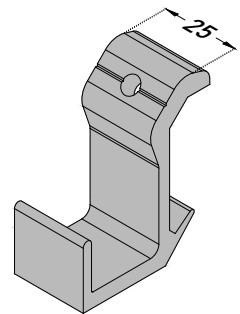
STRUT CLIPS  
for 'slot & blade' fixing



Strut clip top



Strut clip middle



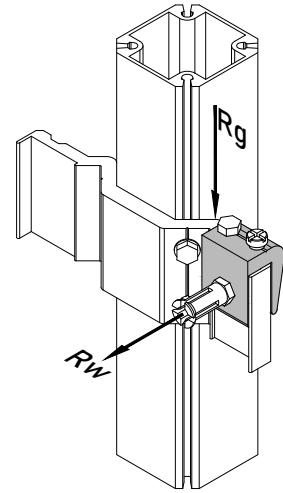
Strut clip bottom

Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
626.0025.011.11	15	3	3	7	-	0,50
629.0025.011.11	20	3	3	11,5	-	0,50
632.0025.011.11	30	3	3	16,5	-	0,50
635.0025.011.11	40	3	3	21,5	-	0,50

Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
625.0025.011.11	15	3	3	7	0,64	0,50
628.0025.011.11	20	3	3	11,5	0,42	0,50
631.0025.011.11	30	4	3	16,5	0,54	0,50
634.0025.011.11	40	5	3	21,5	0,66	0,50

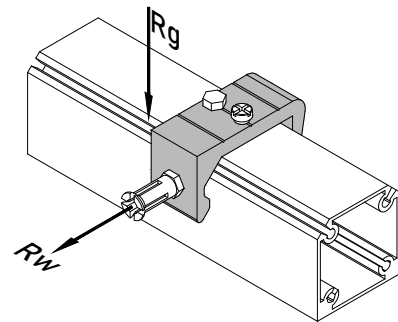
Art.N°	TH (mm)	A (mm)	B (mm)	C (mm)	Rg max (kN)	Rw max (kN)
624.0025.011.11	15	3	3	7	0,64	0,68
627.0025.011.11	20	3	3	11,5	0,42	0,68
630.0025.011.11	30	4	3	16,5	0,54	0,68
633.0025.011.11	40	5	3	21,5	0,66	0,68

YOKE CLIPS  
for rear fixing



Art.N°  
535.0025.111.11

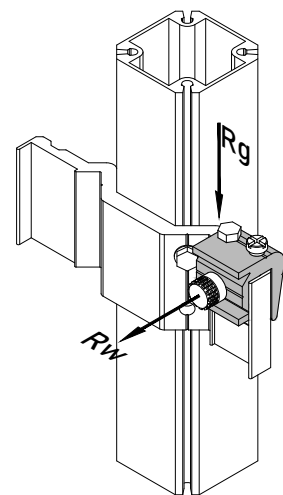
STRUT CLIPS  
for rear fixing



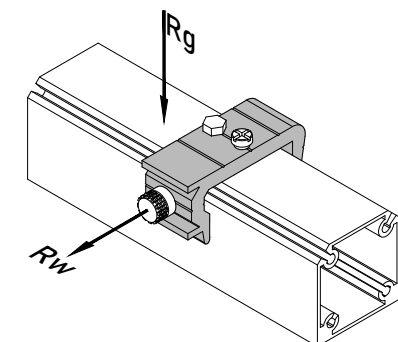
Art.N°  
626.0025.111.11

TECHNICAL DATA:

Art.N°	Rg max (kN)	Rw max (kN)
535.0025.111.11	1,20	1,20
626.0025.111.11	0,50	1,20



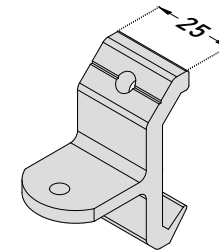
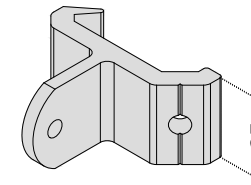
Art.N°  
555.0025.011.11



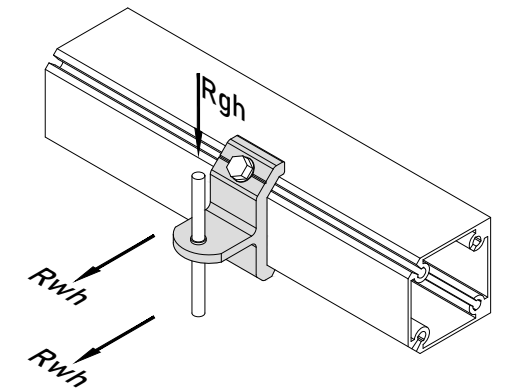
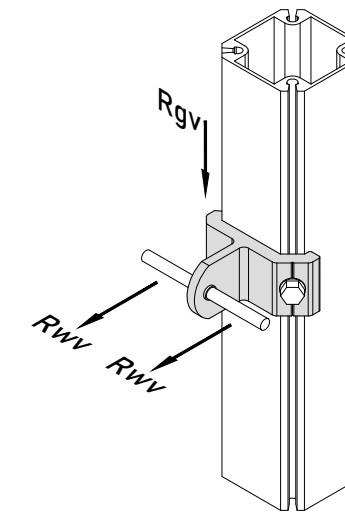
Art.N°  
640.0025.011.11

Art.N°	Rg max (kN)	Rw max (kN)
555.0025.011.11	2,15	1,10
640.0025.011.11	1,50	0,98

STRUT CLIPS  
for 'hole & dowel' fixing



Art.N°  
203.0025.01-.11

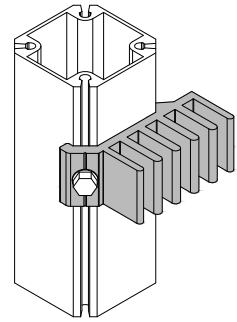


TECHNICAL DATA:

Art.N°	TH (mm)	A (mm)	B (mm)	Rgv max (kN)	Rvw max (kN)	Rgh max (kN)	Rwh max (kN)
203.0025.011.11	30	27	5	0,69	1,28	0,59	1,28
203.0025.012.11	30	27	6	0,69	1,28	0,59	1,28
203.0025.013.11	40	32	5	0,62	1,28	0,47	1,28
203.0025.014.11	40	32	6	0,62	1,28	0,47	1,28

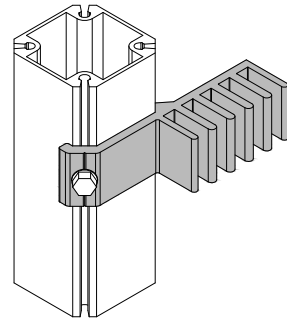
**THERMAL INSULATION FIXING SET**

**Yoke toothed**



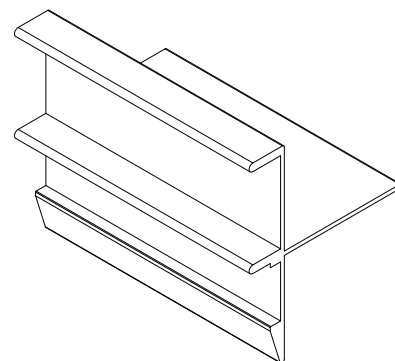
Art.N°  
448.0025.011.11

**Yoke toothed**



Art.N°  
449.0025.011.11

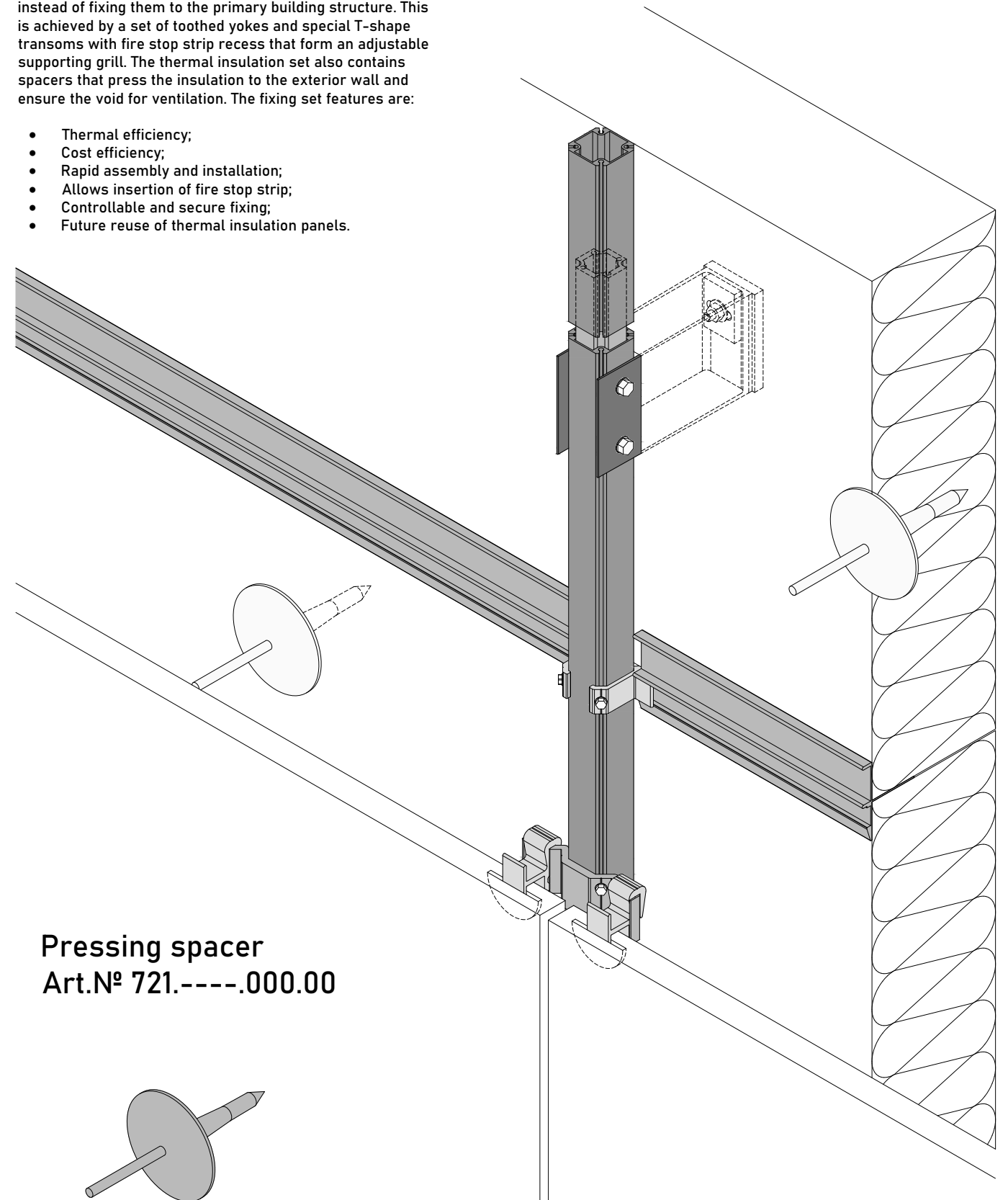
**Insulation transom**



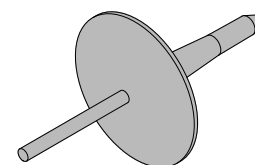
Art.N°  
390.6000.000.11

BILDA® THERMAL INSULATION FIXING SET is designated for fixing the insulation panels to the substructure system instead of fixing them to the primary building structure. This is achieved by a set of toothed yokes and special T-shape transoms with fire stop strip recess that form an adjustable supporting grill. The thermal insulation set also contains spacers that press the insulation to the exterior wall and ensure the void for ventilation. The fixing set features are:

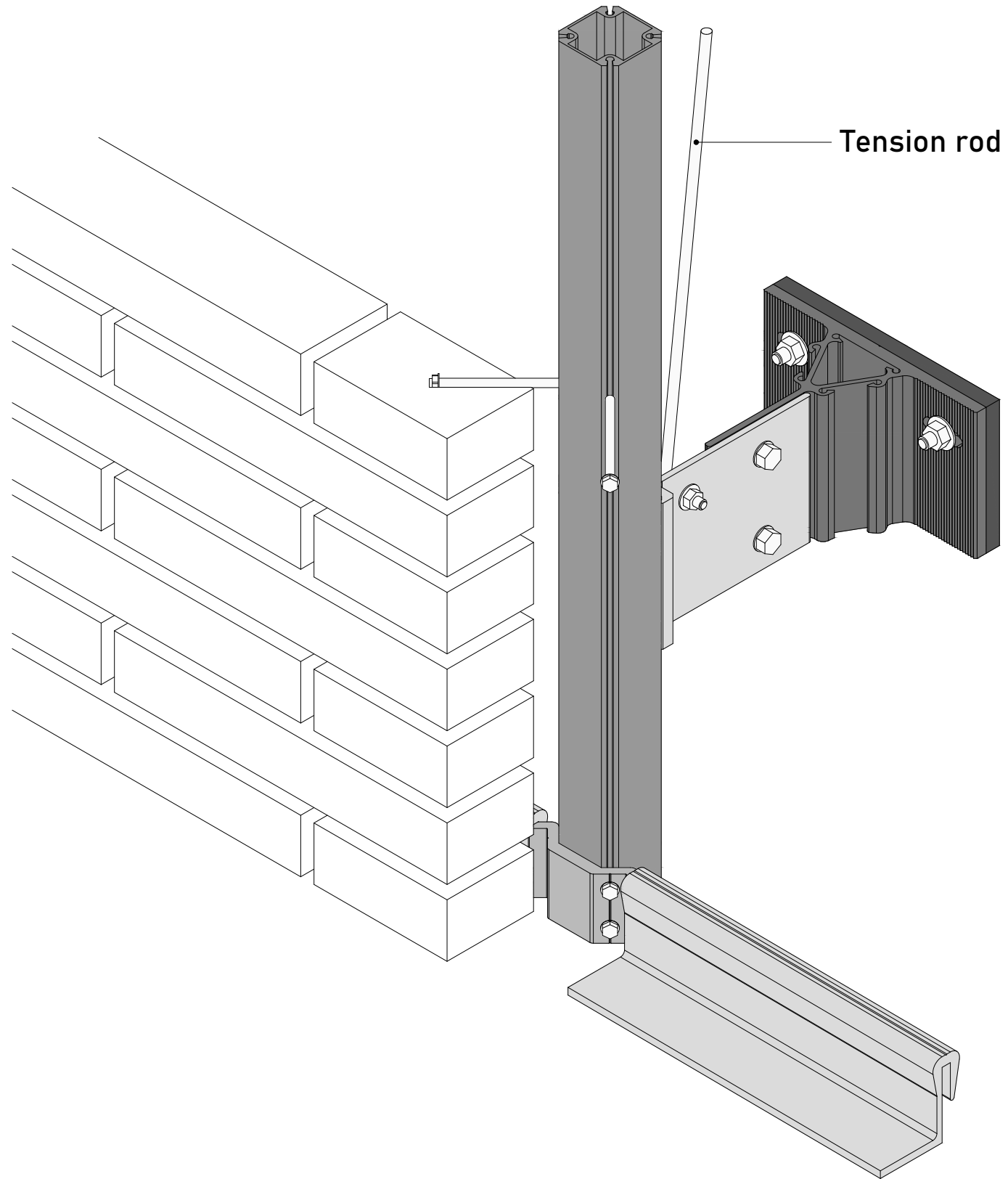
- Thermal efficiency;
- Cost efficiency;
- Rapid assembly and installation;
- Allows insertion of fire stop strip;
- Controllable and secure fixing;
- Future reuse of thermal insulation panels.



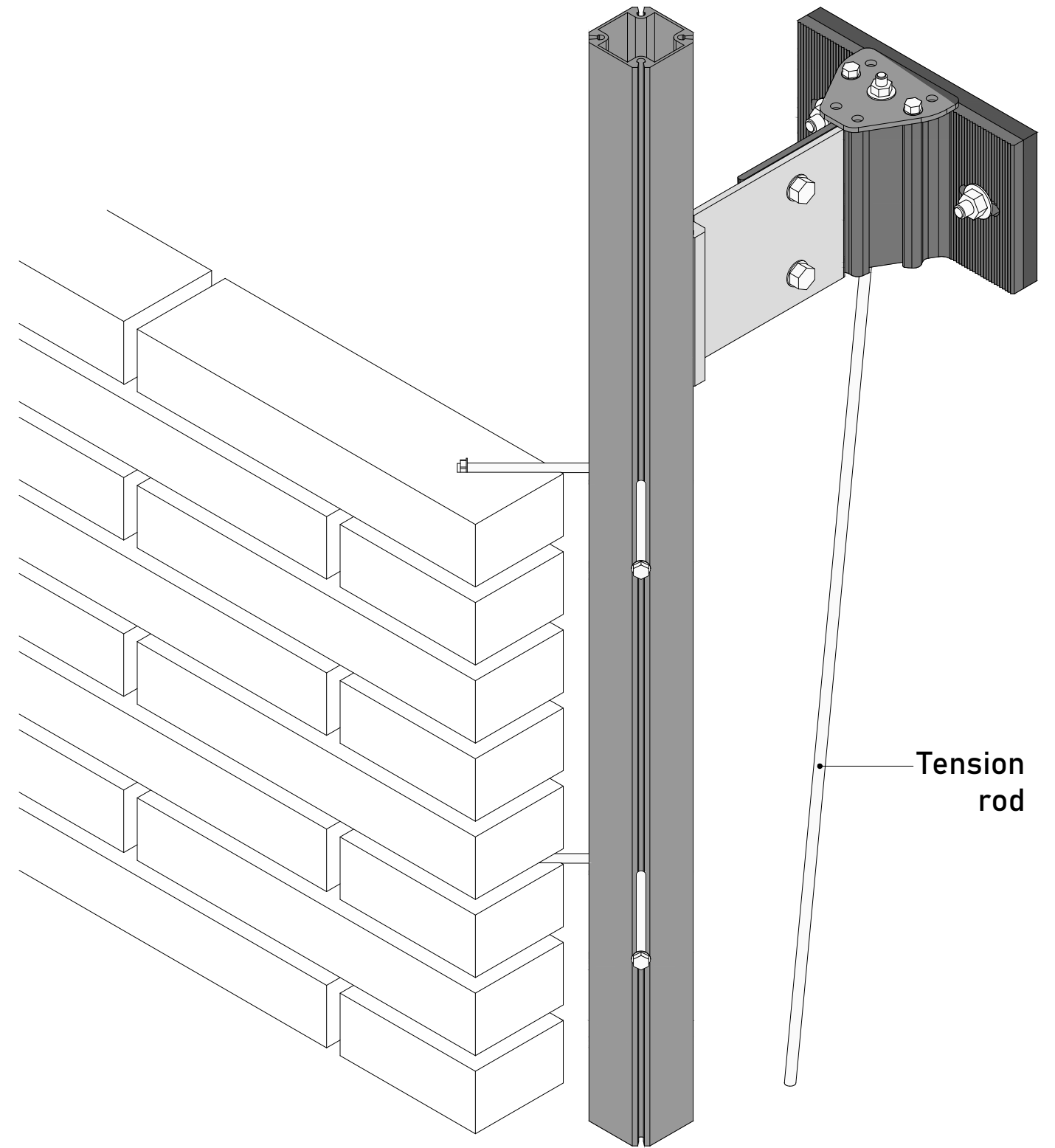
Pressing spacer  
Art.N° 721.-----000.00



BRICKWORK  
DEAD LOAD SUPPORT

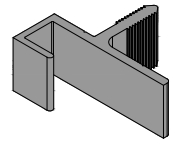


BRICKWORK  
RESTRAINING SUPPORT

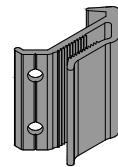


PATCH  
FIXING SET

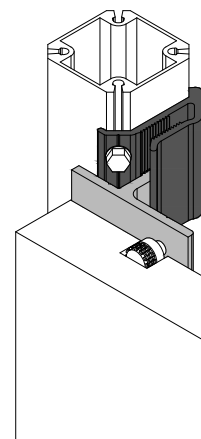
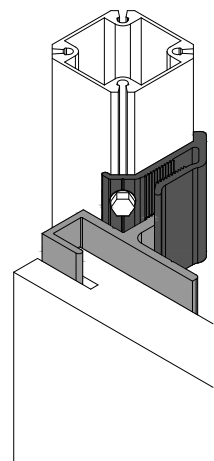
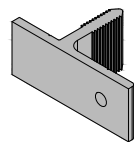
Art.N°  
549.0025.000.11



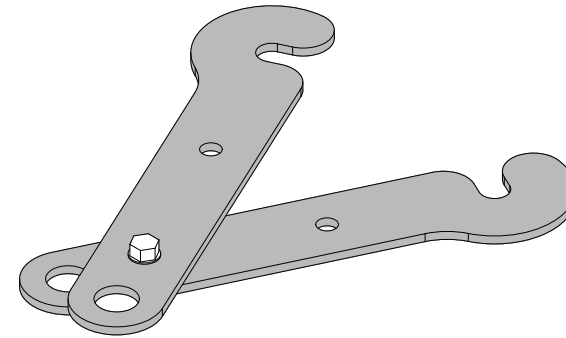
Art.N°  
447.0045.011.11



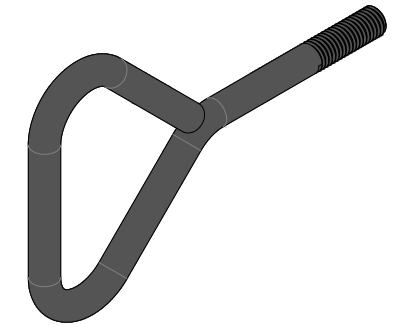
Art.N°  
549.0025.11-.11



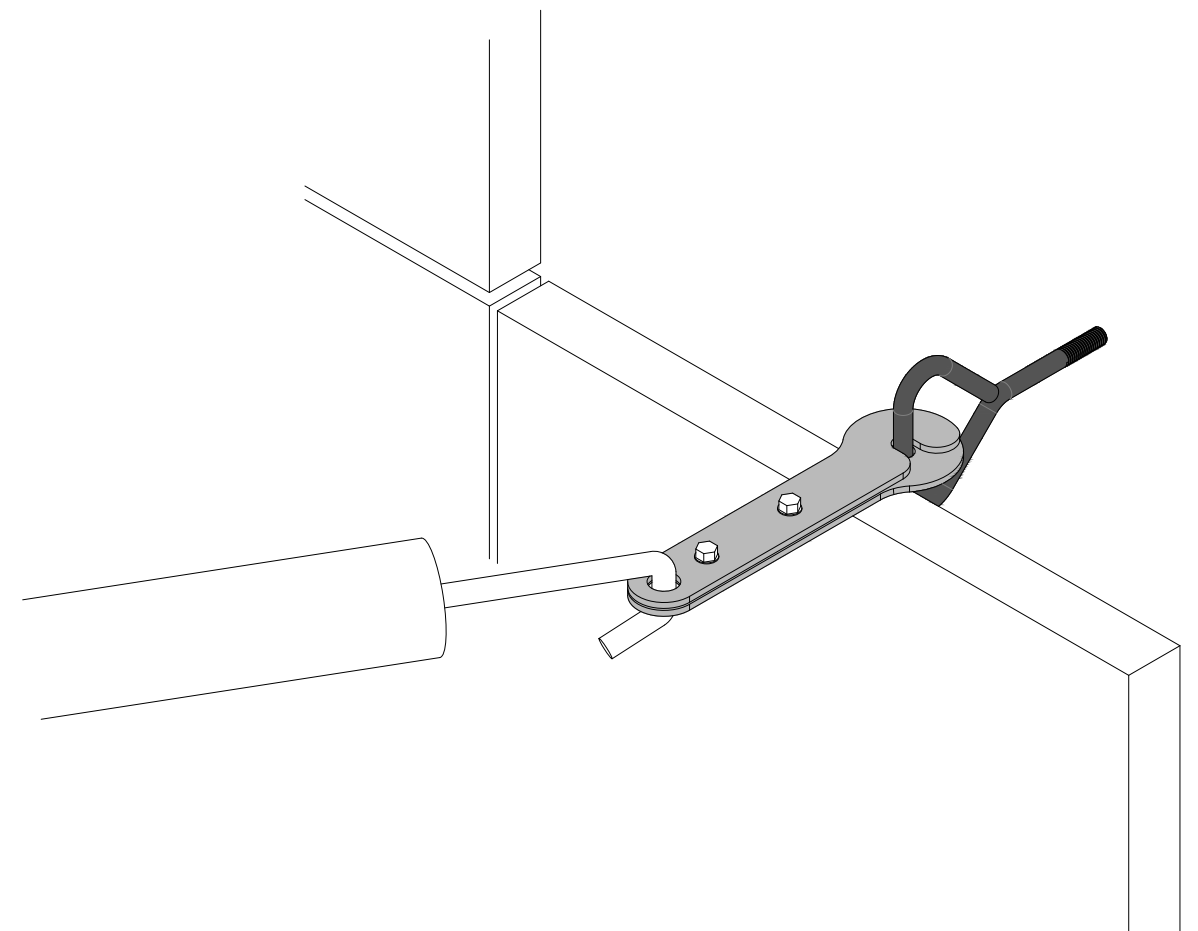
SCAFFOLDING  
FIXING SET



Art.N°  
711.0000.011.51



Art.N°  
712.----.000.51



**VERTICAL STRUT ASSEMBLY**

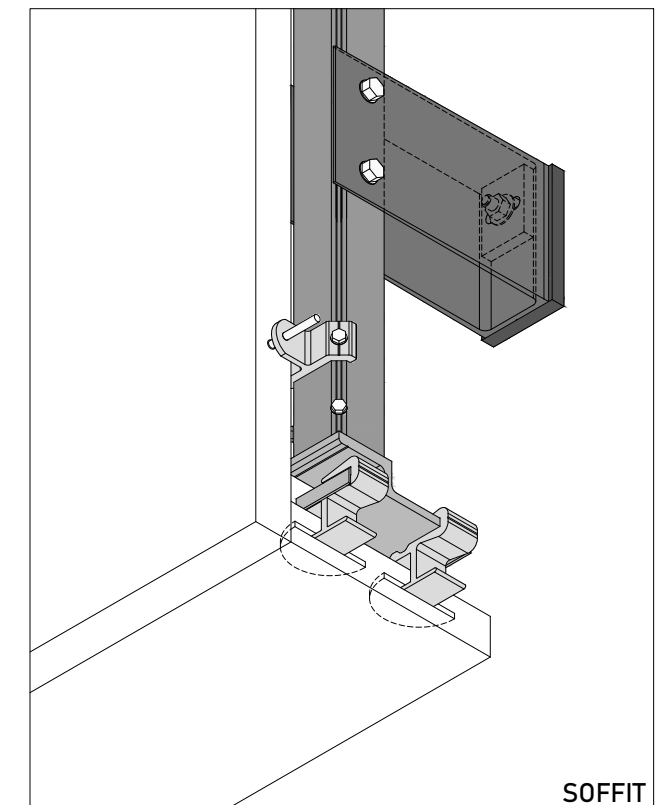
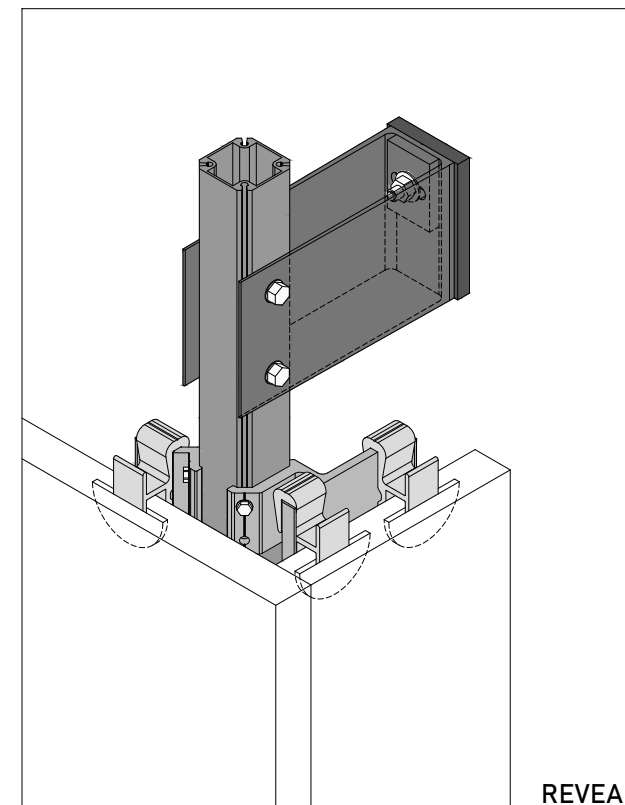
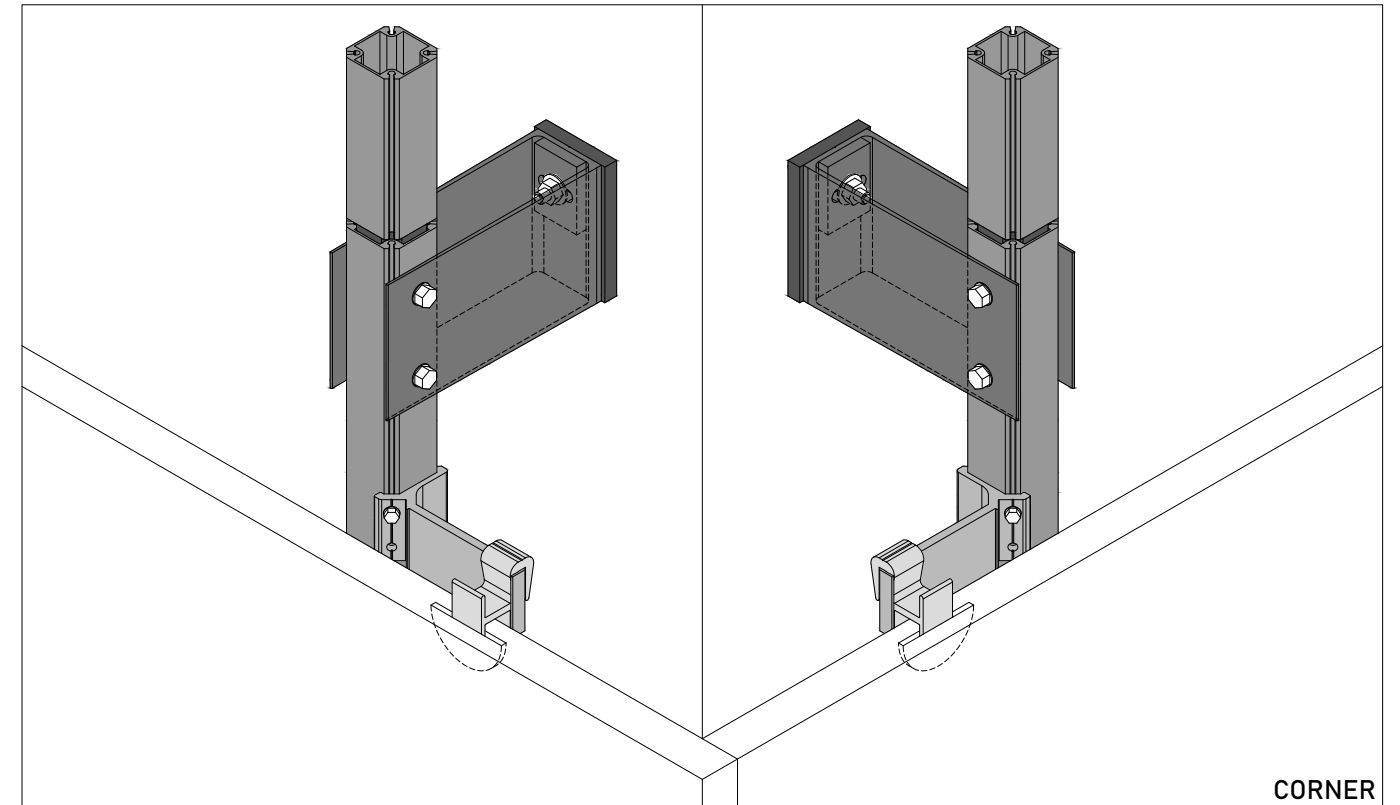
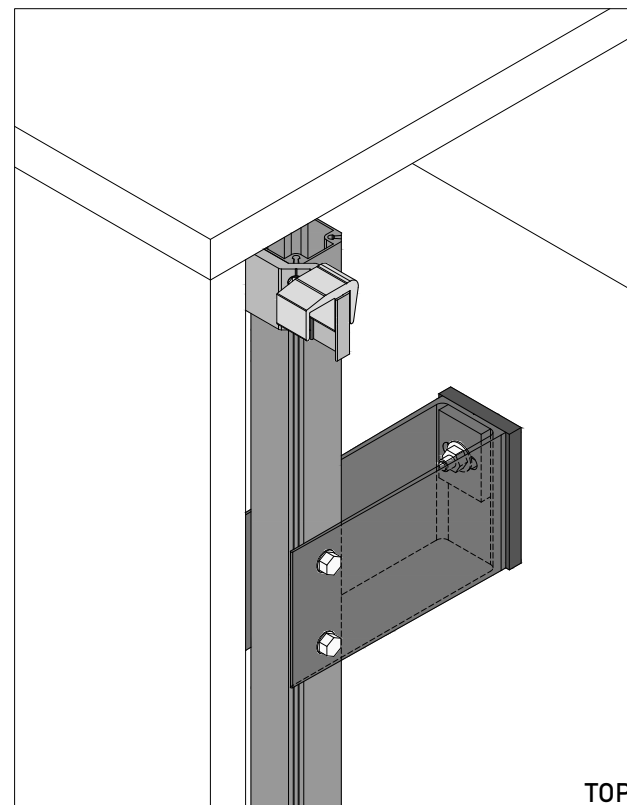
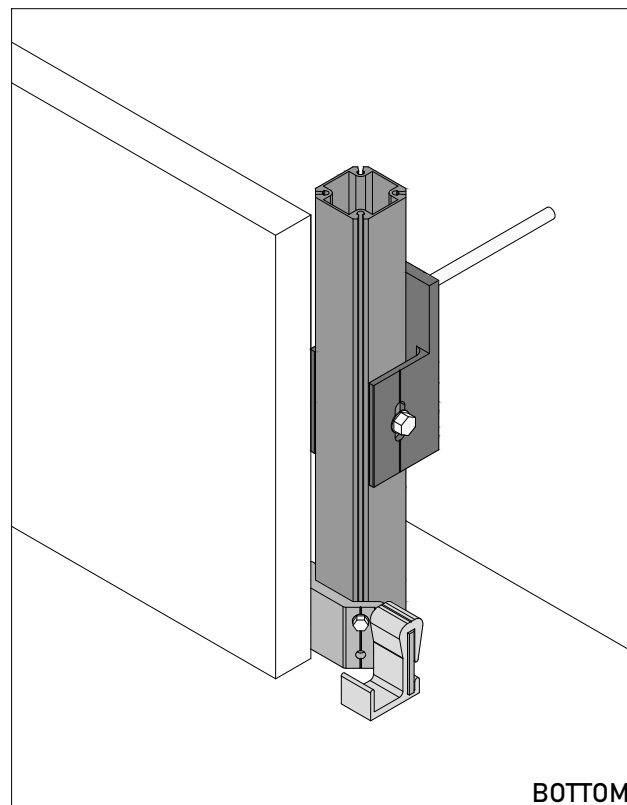
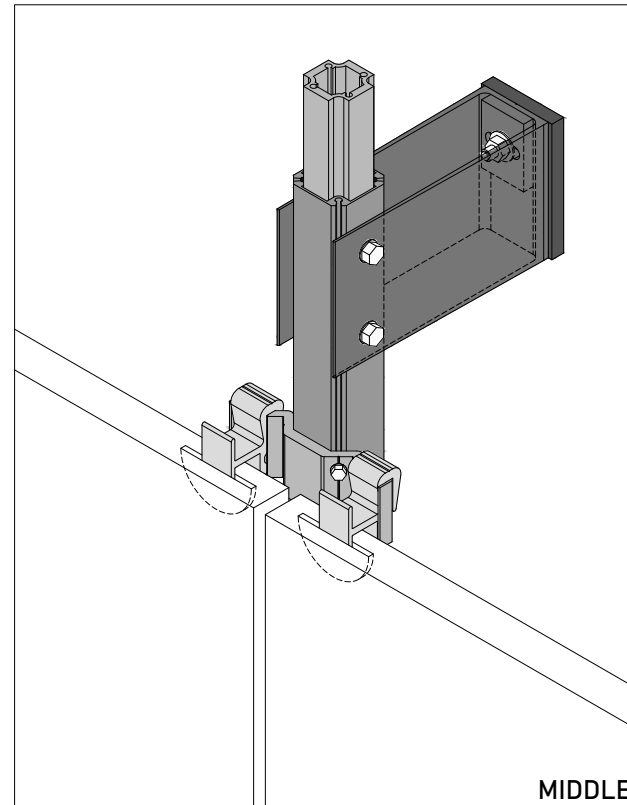
Vertical strut assembly is designated mainly for 'landscape' orientation of the cladding panels.

The Bracket is attached to the exterior wall of the building and carries all other elements of the construction. It transfers the loads from the cladding to the primary structure of the building.

The Strut / Profile is fixed to the bracket with stainless steel fasteners according to static calculations.

The Yoke is attached to the strut / profile by fitting it into its grooves. Its function is to carry the clips and to distribute the load evenly onto the strut / profile. One self-tapping screw is needed to secure fixing.

The Yoke Clips are hooked to the yoke. Their function is to support the cladding panels.



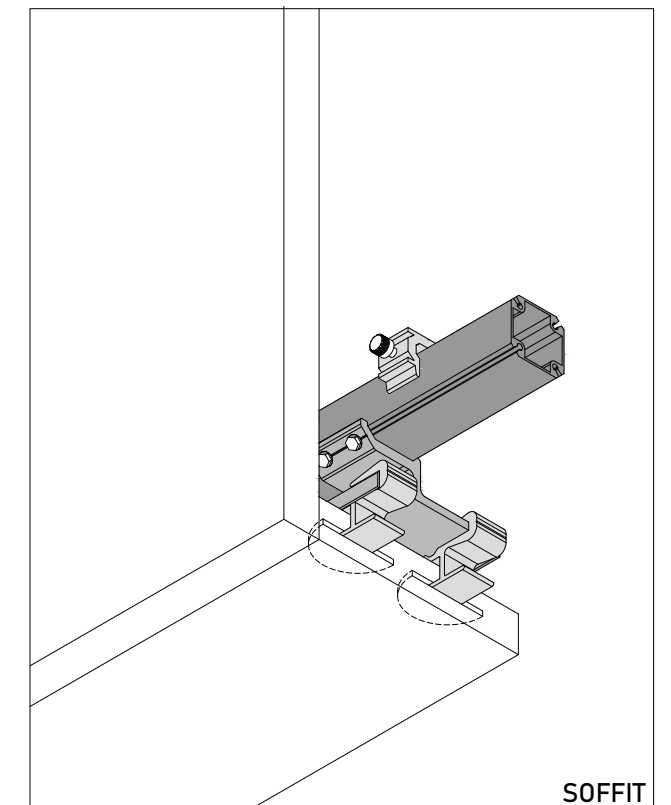
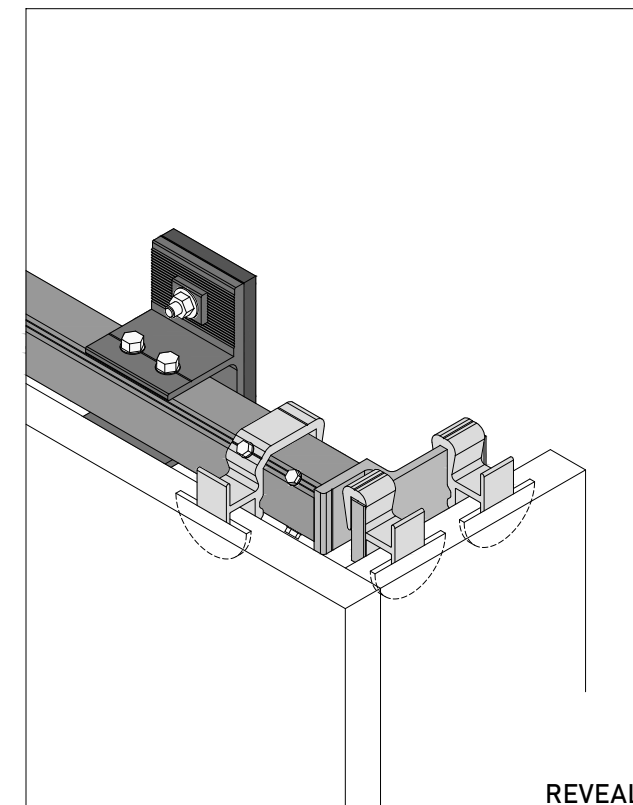
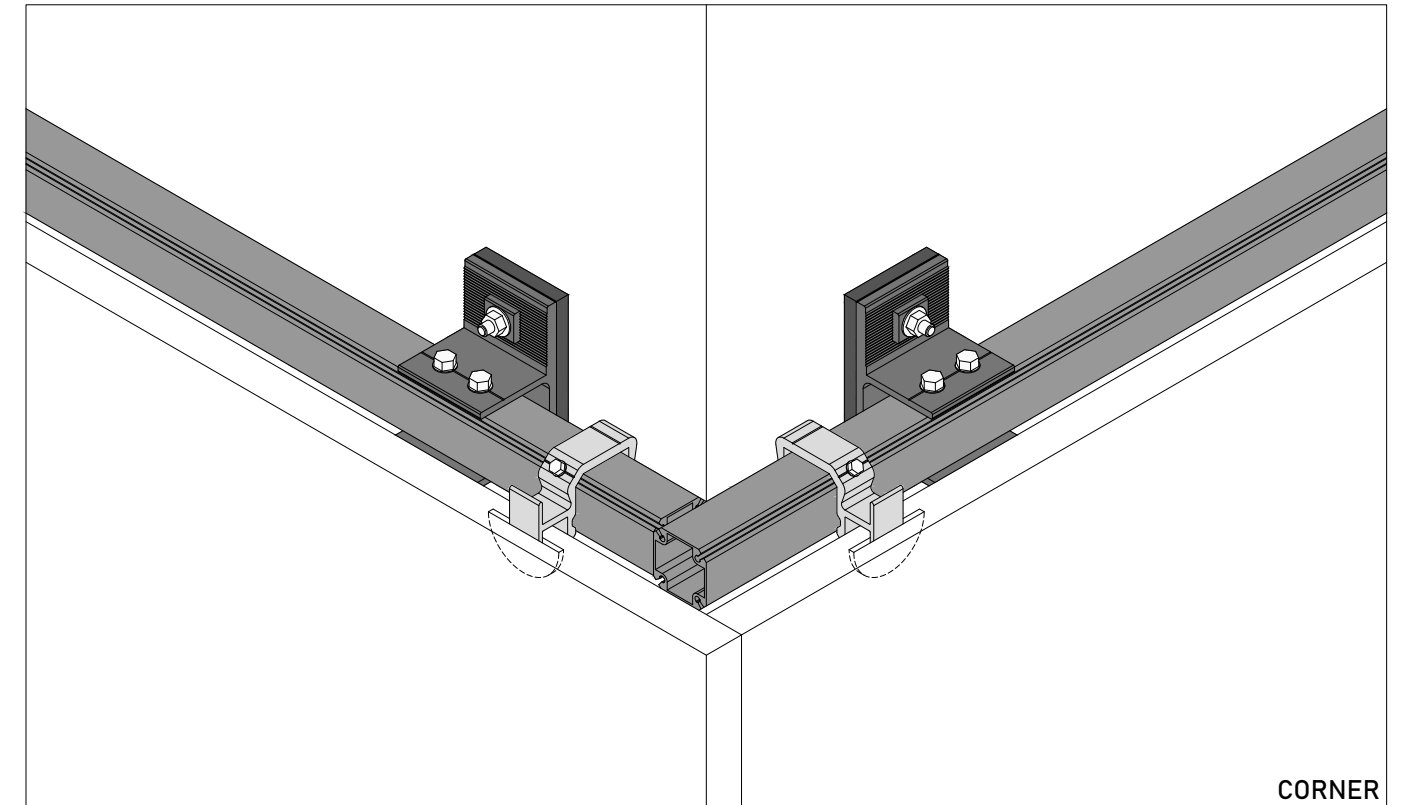
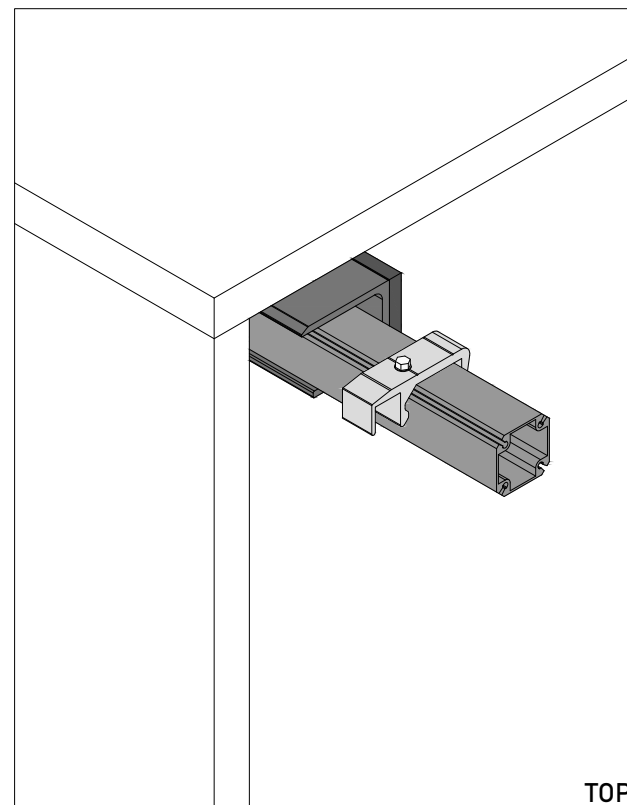
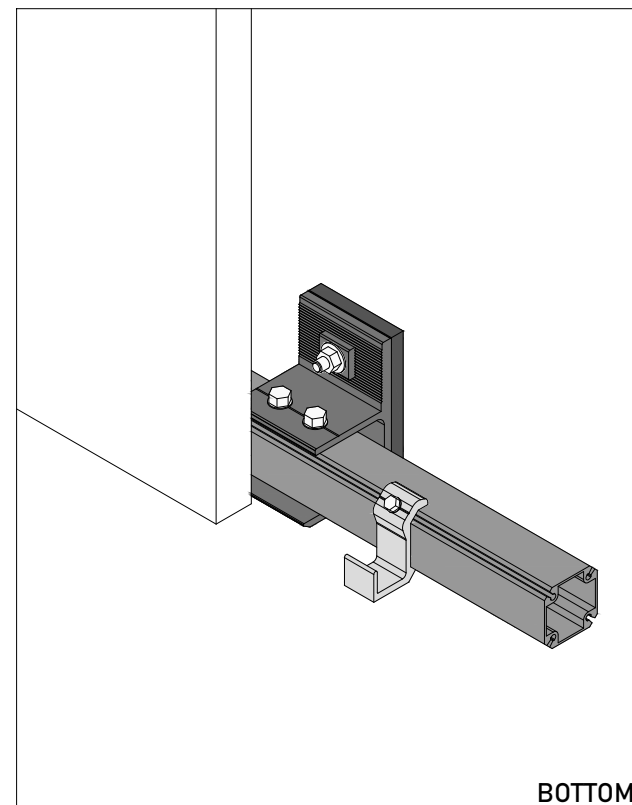
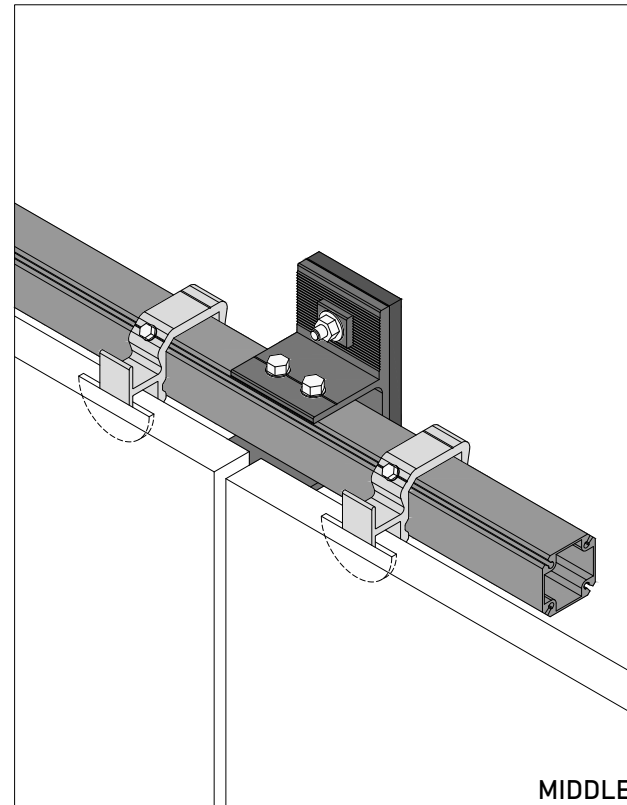
HORIZONTAL STRUT ASSEMBLY

Horizontal strut assembly is designated mainly for 'portrait' orientation of the cladding panels.

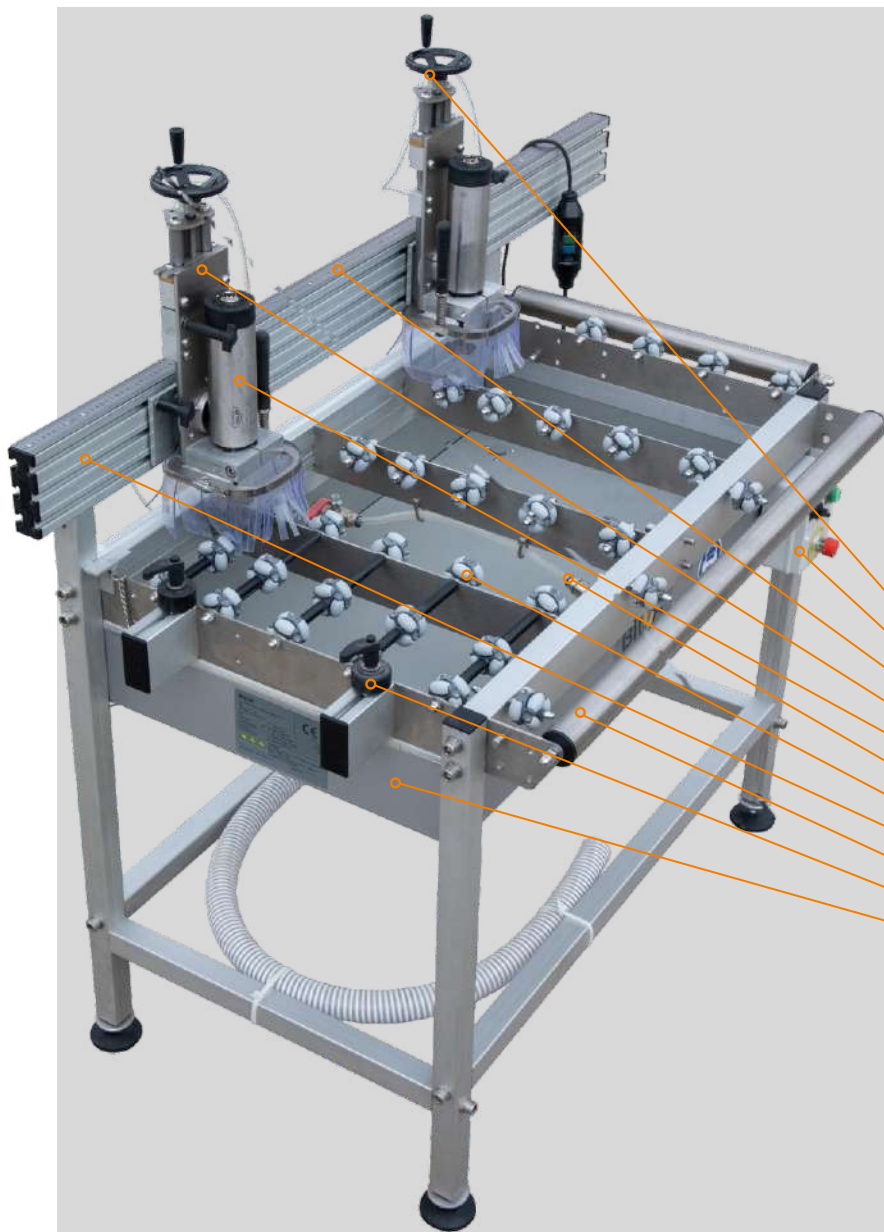
The Bracket is attached to the exterior wall of the building and carries all other elements of the building envelope. It transfers the loads from the cladding to the primary structure of the building.

The Strut / Profile is fixed to the bracket with self-drilling screws.

The Strut Clips are hooked to the strut / profile. Their function is to support the cladding panels.







### Machine for slotting and drilling of facade cladding panels

#### Description

The machine makes narrow half-moon precision slots in the sides of facade panels of various materials. The machine is designed for high precision, productivity and ease of use. It can be easily converted into a machine for drilling holes (in the back or sides) in facade panels with diameters Ø6, Ø8, Ø10 and Ø12 mm.

#### Parts

- Height Adjustment Screw
- Control Panel
- Gauge Line
- Motor Holder
- Motor (spindle or brushed motor)
- Water Pump
- Multidirectional Rolls
- Motor Rail
- Guide Roller
- Limitation Wheel
- Water Tank

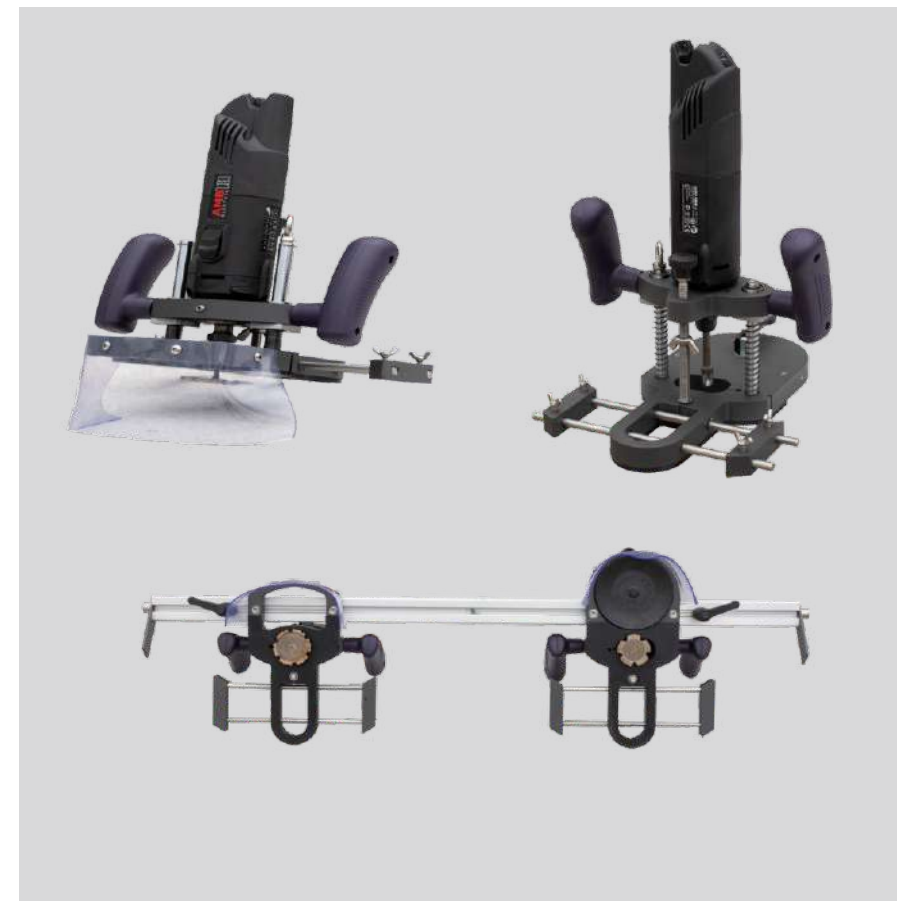
#### Features

- Robust construction of aluminium alloys and stainless steel;
- Table with multi-directional rollers for smooth rotation of the panels;
- Highly efficient work with diamond cutters for slots and diamond drills for holes;
- Horizontal and vertical adjustment of machining heads for different panel thicknesses;
- Limitation wheels and guide rollers for symmetrical and asymmetrical processing;
- Variants with brush motors and spindle motors.

#### Advantages

- Easy to operate with minimal technical training of the operator;
- Lightweight, compact and easy to transport;
- Precise and clean slots and holes;
- High performance generates fast return on the initial investment;
- Universal application for various types of panels;
- Easy maintenance and mobility.

Technical Data		
Type	BSD.R1	BSD.R3
DIMS (L*W*H)	1215*705*1060 mm	1465*855*1060 mm
Panel DIMS (W*H)	max. 1500*1000 mm	max. 1750*1200 mm
Variable Speed	ER16 collet Ø8 mm	
Power Supply	230 V / 10 A ~50/60 Hz	
Operating Temperature	min. 0°C, max. 35°C	
Speed of the Motors	3000 min <sup>-1</sup> -18 000 min <sup>-1</sup> for spindle / 4000 min <sup>-1</sup> -25 000 min <sup>-1</sup> for brushed	
Power Rating	3000W for spindle motors / 2100W for brushed motors	
Net Weight	59 kg	76 kg
Slotting Disc	min. Ø40 mm, max. Ø70 mm	
Drill Bit	Ø6 mm, Ø8 mm, Ø10 mm, Ø12 mm	
Table (L*W)	1115 (1315**) * 705 mm	1365 (1565**) * 855 mm
Variable Speed	Yes	
Drilling Depth	25-45 mm (Horizontal/Side), 6-15 mm (Vertical/Back)	
Panel Thickness	min. 8 mm, max. 50 mm	
Slot Thickness	min. 2 mm, max. 10 mm	
**outside of the tank, plus 200 mm for asymmetrical slotting and drilling		



### Handheld Slotting & Drilling Machine

#### Type

BSD.H – Slotting and Drilling Machine

BSD.HS – Slotting and Drilling Machine with suction cup

#### Description

The handheld slotting and drilling machine makes:  
 - narrow half-moon precision slots in the sides of façade panels of various materials.  
 - drilling holes (in the back or sides of the panel) with a diameter of 6, 8, 10 and 12 mm.  
 The machine is designed for productivity and ease of use. It is guided by hand and incorporates an easy to use visual guiding aid.

#### Options

- Beam for composition of two machines;
- For more productivity, two machines can work together using a special beam. One type or different types (BSD.H plus BSD.HS) of machines can be used.

#### Features

- Solid and robust frame made from corrosion resistant materials;
- Base plate for easy guiding of the machine over the surface of the cladding panel;
- Highly efficient, fast slotting diamond discs;
- Vertical adjustment of the motor to accommodate varying thickness of all types of panels;
- Easy to adjust visual guiding aid for feeding parallel to the sides of the cladding panel.

Technical Data	
Type	BSD.H / BSD.HS
Power Supply	230 V / 5 A ~50/60 Hz
Operating Temperature	min. 0°C, max. 35°C
Speed of the Motor	from 4000 min <sup>-1</sup> to 25 000 min <sup>-1</sup>
Power Rating of the Motor	1050 W
Collet Capacity	ER16 collet Ø6 mm, Ø8 mm
Net Weight	4.7 kg
Slotting Disc	min. Ø40 mm, max. Ø70 mm
Power Cord Length	5 m
Variable Speed	Yes
Panel Thickness	min. 8 mm, max. 60 mm
Slot Thickness	min. 2 mm, max. 10 mm

#### Advantages

- Easy to operate without any special technical training of the operator;
- Stable and easy to use guiding system;
- Light, compact and easily transportable;
- Slots and holes are produced with precise and clean finish;
- High performance generates fast return on initial investment;
- Universal application for various types of façade panels;
- Easy maintenance and mobility.





**Project:** NEW AMERICAN EMBASSY - NOB  
**Location:** Sofia, Bulgaria  
**Architect:** HO+K, USA  
**Contractor:** JA JONES Inc., USA, GBS AD  
**Year:** 2005



**Project:** TOKUDA HOSPITAL  
**Location:** Sofia, Bulgaria  
**Architect:** Shinto Keikaku Co., Ltd  
**Contractor:** Hazama Corp., Japan  
**Year:** 2007



**Project:** 3 TOPS BUILDING  
**Location:** Sofia, Bulgaria  
**Architect:** ATM Architects  
**Contractor:** GEK TERNA GROUP, Greece  
**Year:** 2008



**Project:** PETERHOUSE  
**Location:** Sunny Beach, Bulgaria  
**Architect:** Niconsult EOOD  
**Contractor:** Peter Investment Development Co.  
**Year:** 2011



**Project:** RADISSON BLU HOTEL, REFURBISHMENT  
**Location:** Sofia, Bulgaria  
**Architect:** IPS EOOD  
**Contractor:** INTERHOTEL GRAND-HOTEL SOFIA AD  
**Year:** 2011



**Project:** NUCLEAR POWER PLANT  
**Location:** Kozloduy, Bulgaria  
**Architect:** Atomenergoproect  
**Contractor:** Kozloduy NPP  
**Year:** 2012



**Project:** INTERNATIONAL CASINO AND HOTEL  
**Location:** Golden Sands, Bulgaria  
**Architect:** Martin Kafedjan  
**Contractor:** Planex OOD  
**Year:** 2013

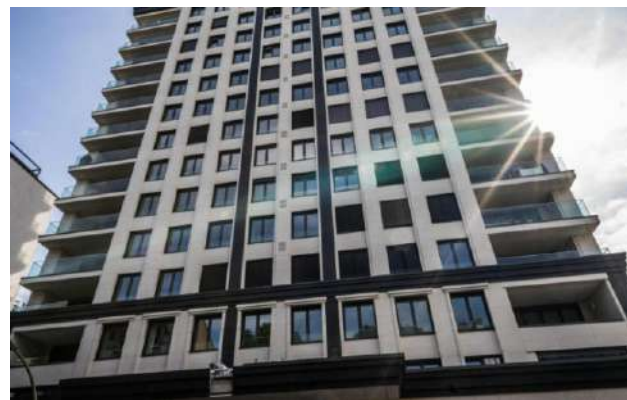


**Project:** CHAUSSESTRASSE  
**Location:** Berlin, Germany  
**Architect:** TREILING architekten  
**Contractor:** HOCHTIEF AG (est. 1827), Germany  
**Year:** 2013





Project: **SOFIA SOUTH RING MALL**  
 Location: Sofia, Bulgaria  
 Architect: L35 Architects, Spain  
 Contractor: Glavbolgarstroy AD  
 Year: 2014



Project: **ONYX**  
 Location: Frankfurt am Main, Germany  
 Architect: Braun Schlockermann Dreesen Planungsgesellschaft GmbH  
 Contractor: KSW Verwaltungs GmbH  
 Year: 2015



Project: **DINGER STONE**  
 Location: Bahlingen, Germany  
 Contractor: WETRI GmbH  
 Year: 2016



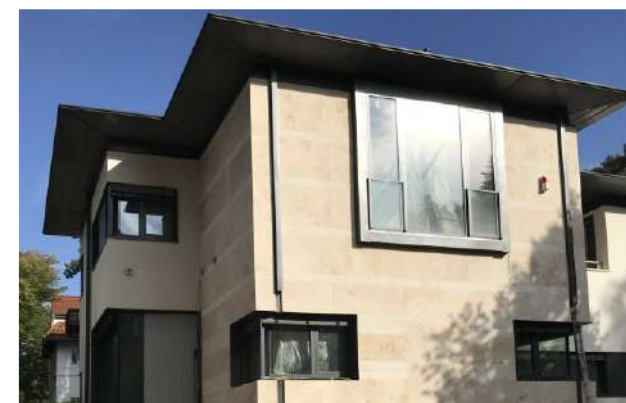
Project: **ADGAR 360**  
 Location: Tel Aviv, Israel  
 Architect: Cesar Pelli&Associates Architects  
 Contractor: Alumayer Ltd  
 Year: 2016



Project: **CENTRAL RAILWAY STATION, REFURBISHMENT**  
 Location: Sofia, Bulgaria  
 Architect: ProArch  
 Contractor: CENTRAL RAILWAY STATION SOFIA  
 Year: 2016



Project: **GRAFIX**  
 Location: Sofia, Bulgaria  
 Architect: LP Arch Ltd.  
 Contractor: GP Group Sofia AD  
 Year: 2018



Project: **ERS**  
 Location: Berlin, Germany  
 Architect: Hierholzer Architekten BDA  
 Contractor: WETRI GmbH  
 Year: 2018



Project: **LINIENSTRASSE**  
 Location: Berlin, Germany  
 Architect: Dr. Krause Architekturbüro  
 Contractor: WETRI GmbH  
 Year: 2018





**Project:** VEZUL TOWER  
**Location:** Dubai, UAE  
**Architect:** National Engineering Bureau  
**Contractor:** Al Jedar Trading  
**Year:** 2018



**Project:** SOZOPOLI RESORT  
**Location:** Halkidiki, Greece  
**Contractor:** Stefan Stefanov  
**Year:** 2018



**Project:** BRF BROPARKEN  
**Location:** Stockholm, Sweden  
**Architect:** Nyréns Arkitektkontor  
**Contractor:** Stenentreprenader i Hessleholm  
**Year:** 2019



**Project:** HOURGLASS  
**Location:** Amsterdam, The Netherlands  
**Architect:** Dam & Partners Architecten  
**Contractor:** Senta International BV  
**Year:** 2019



**Project:** SAAF - KUWAIT UNIVERSITY  
**Location:** Shadadiya, Kuwait  
**Architect:** Skidmore, Owings & Merrill LLP  
**Contractor:** Stones Int'l Offshore  
**Year:** 2019



**Project:** PARK TOWER  
**Location:** Limassol, Cyprus  
**Architect:** Crona Art  
**Contractor:** Crona Construction Ltd.  
**Year:** 2019



**Project:** ENERGOPROEKT TOWER  
**Location:** Sofia, Bulgaria  
**Architect:** Energoproekt AD  
**Contractor:** ESKANA AD  
**Year:** 2020



**Project:** ZALMHAVEN TOREN  
**Location:** Rotterdam, The Netherlands  
**Architect:** Dam & Partners Architecten  
**Contractor:** Senta International BV  
**Year:** 2020





Project: **MOTTO by HILTON**  
Location: London, United Kingdom  
Architect: Dexter Moren Associates  
Year: 2021



Project: **JYSK HEADQUARTERS**  
Location: Brabrand, Denmark  
Architect: ARKITEMA ARCHITECTS  
Contractor: Dybdal Contracting  
Year: 2021



Project: **RAIFFEISENBANK**  
Location: Wallisellen, Switzerland  
Architect: CH Architekten AG  
Year: 2021



Project: **ONYX**  
Location: Sofia, Bulgaria  
Architect: PROARCH  
Year: 2021

**BILDA®**

CLADDING  
TECHNOLOGY

**COMPLETE SOLUTION  
FOR ANY CLADDING**