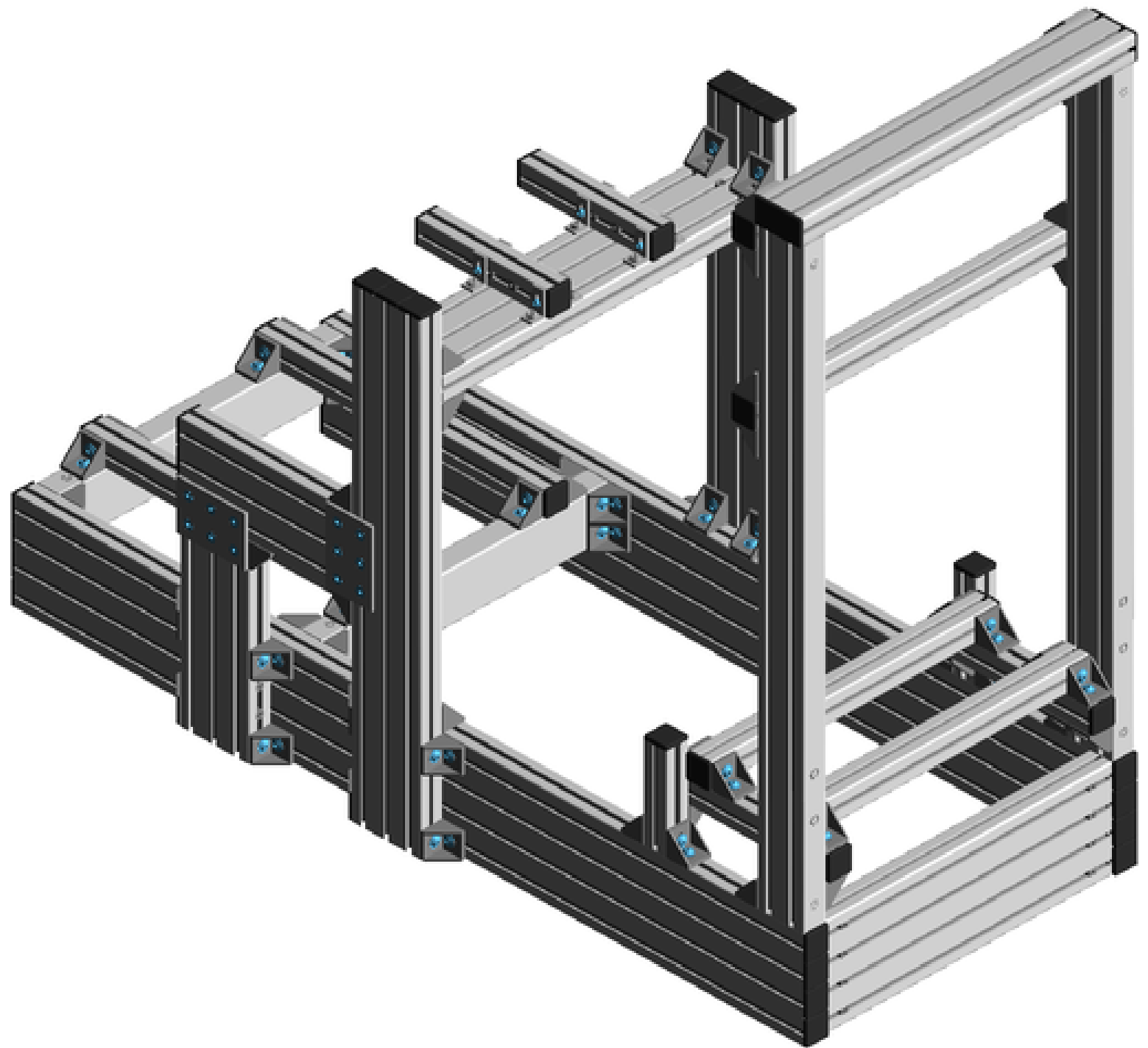


Design Title : setup.scene
Revision Level :
Approved by :
Designer :
Company :
Address :
E-Mail :
Phone :
Date : 2022-02-13



Bill of materials (Number of kits: 1)

Pos	Article-No	Description	Units	Qty	Each €	Price €
1	1.11.040040.43LP-A00A00/500	Profile 40x40, 4E, light, plain ***PER DRAWING 1***	MM	1	18.23	18.23
1.A	ZA4/20.0	Parallel-connector distance left: 20.0 mm, anchor on side: 1	EA	1		0.00
1.B	ZA4/480.0	Parallel-connector distance left: 480.0 mm, anchor on side: 1	EA	1		0.00
2	1.11.040040.43LP-AA4AA4/500	Profile 40x40, 4E, light, plain ***PER DRAWING 2***	MM	1	22.63	22.63
2.A	ZA4/20.0	Parallel-connector distance left: 20.0 mm, anchor on side: 1	EA	1		0.00
2.B	ZA4/480.0	Parallel-connector distance left: 480.0 mm, anchor on side: 1	EA	1		0.00
3	1.11.040040.43LP-AA4A00/150	Profile 40x40, 4E, light, plain	MM	2	6.81	13.62
4	1.11.040040.43LP-A00A00/225	Profile 40x40, 4E, light, plain ***PER DRAWING 3***	MM	2	17.81	35.63
4.A	ZA4/20.0	Parallel-connector distance left: 20.0 mm, anchor on side: 1	EA	2		0.00
4.B	ZA4/60.0	Parallel-connector distance left: 60.0 mm, anchor on side: 1	EA	2		0.00
4.C	ZA4/100.0	Parallel-connector distance left: 100.0 mm, anchor on side: 1	EA	2		0.00
5	1.11.040040.43LP-A00A00/280	Profile 40x40, 4E, light, plain ***PER DRAWING 4***	MM	2	18.70	37.39
5.A	ZA4/20.0	Parallel-connector distance left: 20.0 mm, anchor on side: 1	EA	2		0.00
5.B	ZA4/220.0	Parallel-connector distance left: 220.0 mm, anchor on side: 1	EA	2		0.00
5.C	ZA4/260.0	Parallel-connector distance left: 260.0 mm, anchor on side: 1	EA	2		0.00
6	1.11.040040.43LP-A00A00/500	Profile 40x40, 4E, light, plain	MM	2	10.23	20.46
7	1.11.040040.43LP-A00A00/580	Profile 40x40, 4E, light, plain	MM	2	11.51	23.03
8	1.11.040080.04LP-FB1FB1/500	Profile 40x80, 0E, light, plain ***PER DRAWING 5***	MM	1	55.27	55.27
8.A	VB5A4/17.0	Zero slot mill, *price included in profile	EA	1		0.00
8.A	VB5A4/17.0	Zero slot mill, *price included in profile	EA	1		0.00
8.A	VB5A3/58.0	Zero slot mill, *price included in profile	EA	1		0.00
8.A	VB5A3/132.0	Zero slot mill, *price included in profile	EA	1		0.00
8.A	VB5A3/363.0	Zero slot mill, *price included in profile	EA	1		0.00
8.A	VB5A3/437.0	Zero slot mill, *price included in profile	EA	1		0.00
8.A	VB5A4/483.0	Zero slot mill, *price included in profile	EA	1		0.00
8.A	VB5A4/483.0	Zero slot mill, *price included in profile	EA	1		0.00
9	1.11.040080.04LP-FB1FB1/500	Profile 40x80, 0E, light, plain ***PER DRAWING 6***	MM	1	67.27	67.27
9.A	VB5A2/17.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A4/17.0	Zero slot mill, *price included in profile	EA	1		0.00

Bill of materials (Number of kits: 1)

Pos	Article-No	Description	Units	Qty	Each €	Price €
9.A	VB5A4/17.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A2/17.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A1/58.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A1/132.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A1/363.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A1/437.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A2/483.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A2/483.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A4/483.0	Zero slot mill, *price included in profile	EA	1		0.00
9.A	VB5A4/483.0	Zero slot mill, *price included in profile	EA	1		0.00
10	1.11.040080.44LBP-FB1FB1/185	Profile 40x80, 4E, light, B, plain ***PER DRAWING 7***	MM	2	21.33	42.66
10.A	VB5A3/17.0	Zero slot mill, *price included in profile	EA	2		0.00
11	1.11.040080.44LBP-FB1FB1/785	Profile 40x80, 4E, light, B, plain ***PER DRAWING 8***	MM	2	48.52	97.04
11.A	VB5A1/473.0	Zero slot mill, *price included in profile	EA	2		0.00
11.A	VB5A1/547.0	Zero slot mill, *price included in profile	EA	2		0.00
11.A	VB5A1/728.0	Zero slot mill, *price included in profile	EA	2		0.00
12	1.11.040080.64LP-F00F00/580	Profile 40x80, 6E, light, plain	MM	1	20.03	20.03
13	1.11.040120.84LP-FC2F00/300	Profile 40x120, 8E, LP	MM	1	23.53	23.53
14	1.11.040120.84LP-FC2F00/315	Profile 40x120, 8E, LP ***PER DRAWING 9***	MM	1	56.22	56.22
14.A	ZA1/175.0	Parallel-connector distance left: 175.0 mm, anchor on side: 4	EA	1		0.00
14.B	ZA1/215.0	Parallel-connector distance left: 215.0 mm, anchor on side: 4	EA	1		0.00
14.C	ZA1/255.0	Parallel-connector distance left: 255.0 mm, anchor on side: 4	EA	1		0.00
14.D	ZA1/295.0	Parallel-connector distance left: 295.0 mm, anchor on side: 4	EA	1		0.00
14.E	ZA3/175.0	Parallel-connector distance left: 175.0 mm, anchor on side: 4	EA	1		0.00
14.F	ZA3/215.0	Parallel-connector distance left: 215.0 mm, anchor on side: 4	EA	1		0.00
14.G	ZA3/255.0	Parallel-connector distance left: 255.0 mm, anchor on side: 4	EA	1		0.00
14.H	ZA3/295.0	Parallel-connector distance left: 295.0 mm, anchor on side: 4	EA	1		0.00
15	1.11.040120.84LP-FC2FC2/580	Profile 40x120, 8E, LP	MM	1	43.12	43.12
16	1.11.040120.84LP-F00F00/760	Profile 40x120, 8E, LP	MM	1	38.28	38.28
17	1.11.040120.84LP-F00F00/760	Profile 40x120, 8E, LP ***PER DRAWING 10***	MM	1	54.28	54.28
17.A	ZA3/20.0	Parallel-connector distance left: 20.0 mm, anchor on side: 4	EA	1		0.00
17.B	ZA3/60.0	Parallel-connector distance left: 60.0 mm, anchor on side: 4	EA	1		0.00
17.C	ZA3/100.0	Parallel-connector distance left: 100.0 mm, anchor on side: 4	EA	1		0.00

Bill of materials (Number of kits: 1)

Pos	Article-No	Description	Units	Qty	Each €	Price €
17.D	ZA3/140.0	Parallel-connector distance left: 140.0 mm, anchor on side: 4	EA	1		0.00
18	1.11.040160.104LP-LD2LD2/500	Profile 40x160, 10E, light,plain	MM	1	54.78	54.78
19	1.11.040160.104LP-L00L00/1380	Profile 40x160, 10E, light,plain	MM	2	94.87	189.75
20	1.42.20404.2	Cover cap 40x40, dia: 12, black	EA	45	1.10	49.50
21	1.42.20408.2	Cover cap 40x80, black	EA	2	1.64	3.28
22	1.46.120	Angle 25x40, M6	EA	8	3.84	30.72
23	1.46.204.4039.1	Angle GD-Zn, 40x39, natural	EA	8	2.34	18.72
24	1.46.204.4039.2	Angle GD-Zn, 40x39, powder-coated	EA	67	3.44	230.48
25	1.47.50408	Connection plate 40x80	EA	6	3.41	20.46
26	0.63.D06912.06014	Cylindric head screw, DIN 6912 - M6x14	EA	8	0.21	1.68
27	0.63.D07991.08014	Flat head screw, DIN 7991, M8x14	EA	12	0.21	2.52
28	0.63.WN7381.08016	Round head flange screw, M8x16, WN7381	EA	146	0.21	30.66
29	1.21.4E0	Connector, universal	EA	40	2.65	106.00
30	1.21.4E5	Connector, parallel-square	EA	28	2.65	74.20
31	1.21.4V0	Connector, profile extension	EA	4	5.32	21.28
32	1.32.4EM6	T-Nut for subsequent insertion, w. spring E, M6	EA	8	1.24	9.92
33	1.32.4EM8	T-Nut for subsequent insertion, w. spring E, M8	EA	158	1.24	195.92
34	1.46.204.4039A	Cover cap for angle GD-Zn, 40x39	EA	75	0.74	55.50

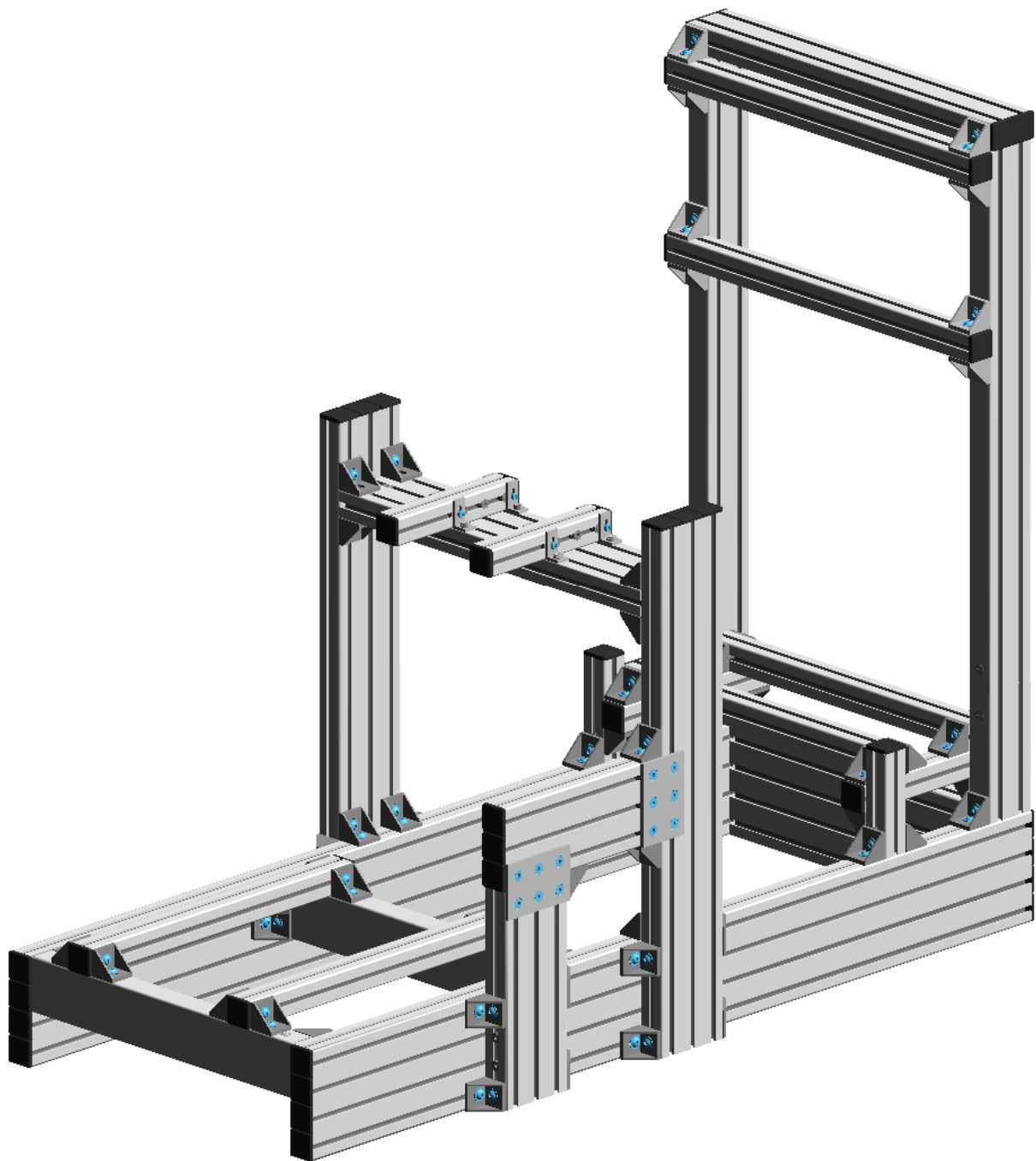
Total Weight: 61.09 kg (134.68 lbs)

Total (EURO): € 1764.06

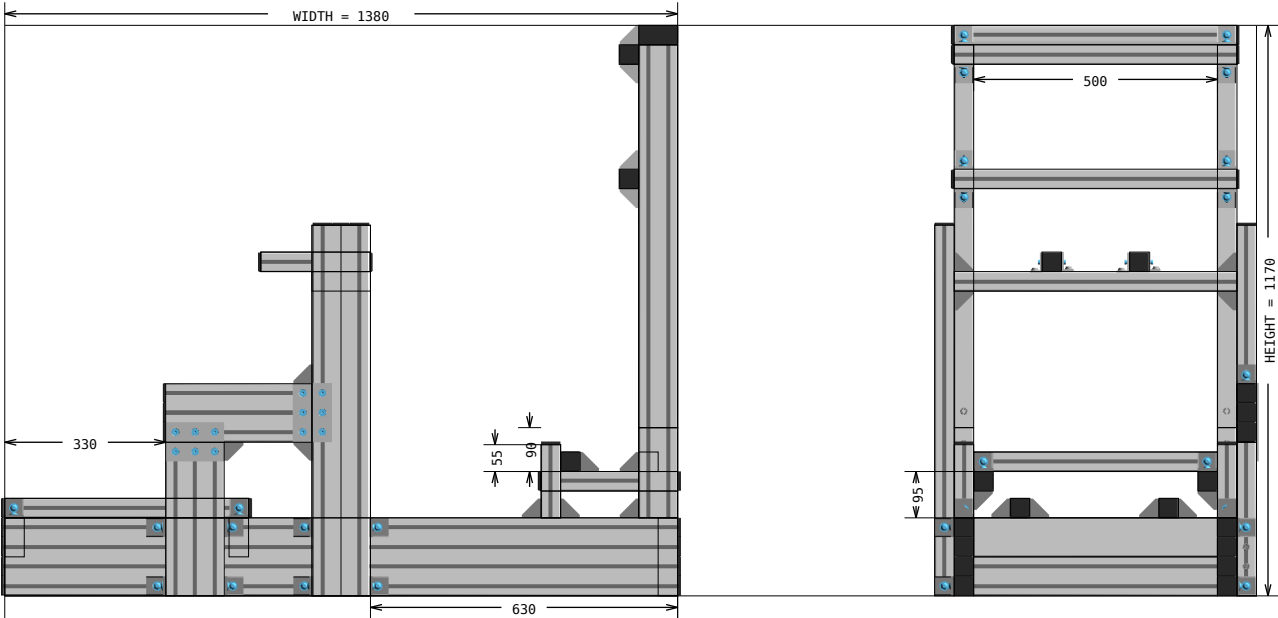
* The price indicated above, does not include assembly, packaging, taxes and transport.
Additional costs can be incurred for:
Machining per drawing, accessories small quantities per article, order processing, drawing review / redesign

Isometric view

Some accessories may not be shown

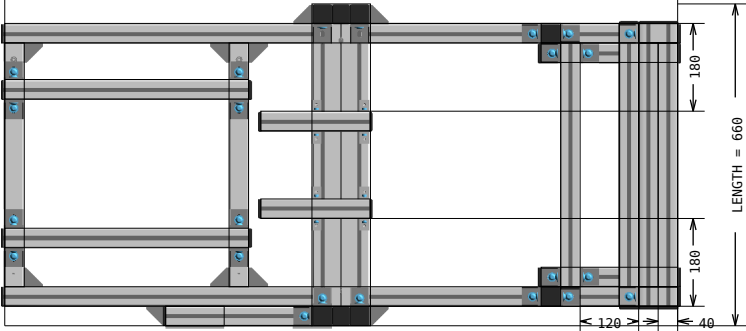


Multiview

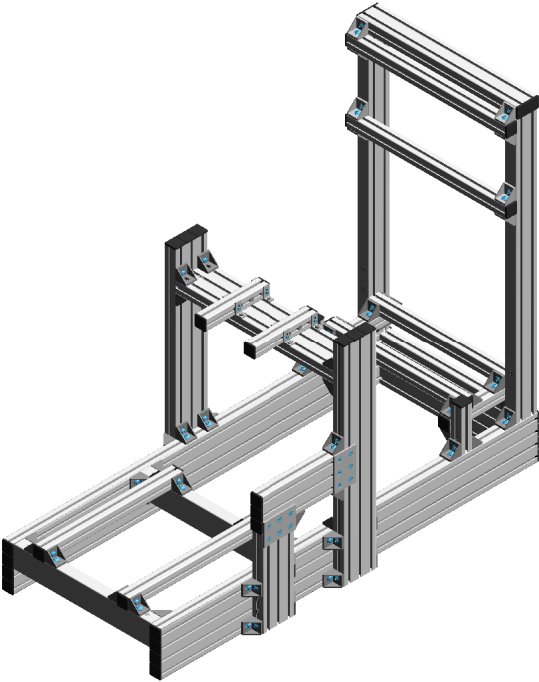


FRONT

LEFT

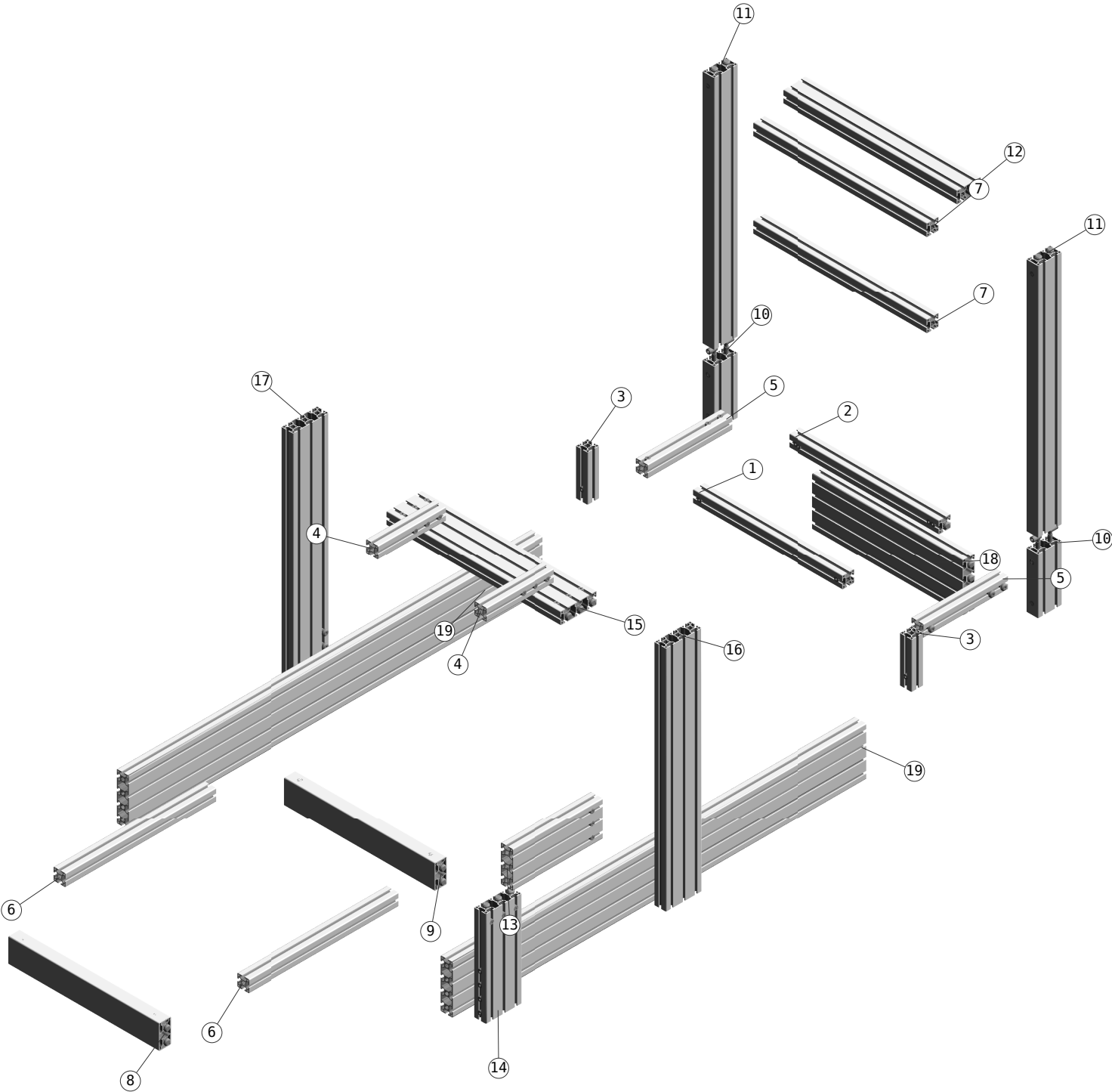


TOP



ISOMETRIC

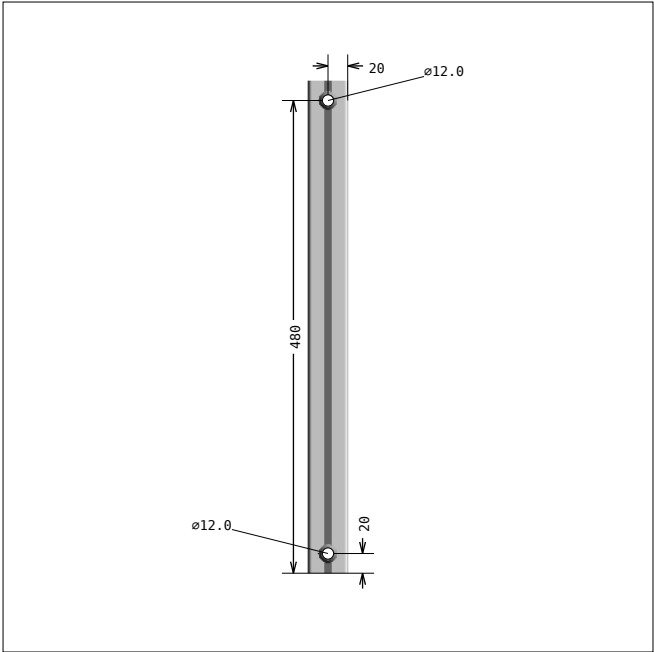
Exploded view



Assembly List

Pos	Article-No	Description	Related parts	Qty
1	1.11.040040.43LP-A00A00/500	Profile 40x40, 4E, light, plain	1.21.4E5, Connector, parallel-square	2
2	1.11.040040.43LP-AA4AA4/500	Profile 40x40, 4E, light, plain	1.21.4E5, Connector, parallel-square	2
			1.21.4E0, Connector, universal	2
3	1.11.040040.43LP-AA4A00/150	Profile 40x40, 4E, light, plain	1.21.4E0, Connector, universal	2
4	1.11.040040.43LP-A00A00/225	Profile 40x40, 4E, light, plain	1.21.4E5, Connector, parallel-square	6
5	1.11.040040.43LP-A00A00/280	Profile 40x40, 4E, light, plain	1.21.4E5, Connector, parallel-square	6
8	1.11.040080.04LP-FB1FB1/500	Profile 40x80, 0E, light, plain	1.21.4E0, Connector, universal	4
9	1.11.040080.04LP-FB1FB1/500	Profile 40x80, 0E, light, plain	1.21.4E0, Connector, universal	4
10	1.11.040080.44LBP-FB1FB1/185	Profile 40x80, 4E, light, B, plain	1.21.4V0, Connector, profile extension	4
			1.21.4E0, Connector, universal	4
11	1.11.040080.44LBP-FB1FB1/785	Profile 40x80, 4E, light, B, plain	1.21.4E0, Connector, universal	4
13	1.11.040120.84LP-FC2F00/300	Profile 40x120, 8E, LP	1.21.4E0, Connector, universal	3
14	1.11.040120.84LP-FC2F00/315	Profile 40x120, 8E, LP	1.21.4E5, Connector, parallel-square	8
			1.21.4E0, Connector, universal	3
15	1.11.040120.84LP-FC2FC2/580	Profile 40x120, 8E, LP	1.21.4E0, Connector, universal	6
17	1.11.040120.84LP-F00F00/760	Profile 40x120, 8E, LP	1.21.4E5, Connector, parallel-square	4
18	1.11.040160.104LP-LD2LD2/500	Profile 40x160, 10E, light,plain	1.21.4E0, Connector, universal	8
22	1.46.120	Angle 25x40, M6	1.32.4EM6, T-Nut for subsequent insertion, w. spring E, M6	8
			0.63.D06912.06014, Cylindric head screw, DIN 6912 - M6x14	8
23	1.46.204.4039.1	Angle GD-Zn, 40x39, natural	1.32.4EM8, T-Nut for subsequent insertion, w. spring E, M8	16
			0.63.WN7381.08016, Round head flange screw, M8x16, WN7381	16
			1.46.204.4039A, Cover cap for angle GD-Zn, 40x39	8
24	1.46.204.4039.2	Angle GD-Zn, 40x39, powder-coated	1.32.4EM8, T-Nut for subsequent insertion, w. spring E, M8	130
			0.63.WN7381.08016, Round head flange screw, M8x16, WN7381	130
			1.46.204.4039A, Cover cap for angle GD-Zn, 40x39	67
25	1.47.50408	Connection plate 40x80	1.32.4EM8, T-Nut for subsequent insertion, w. spring E, M8	12
			0.63.D07991.08014, Flat head screw, DIN 7991, M8x14	12

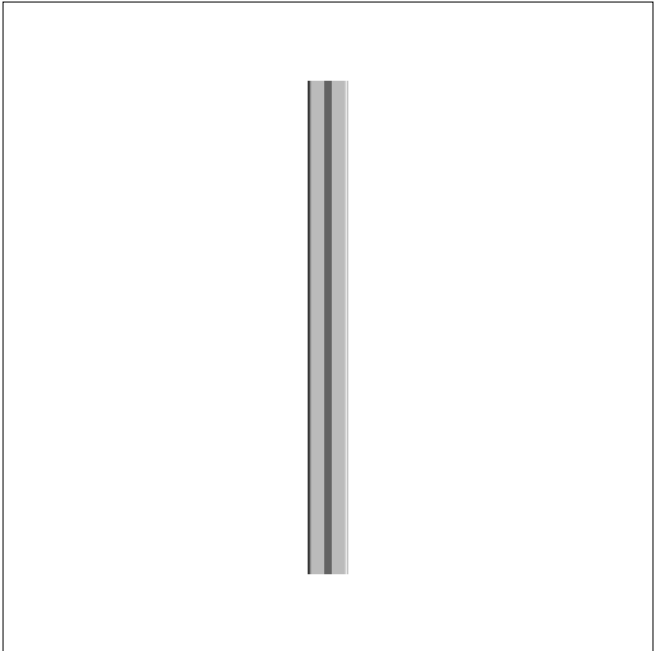
Profile machining details



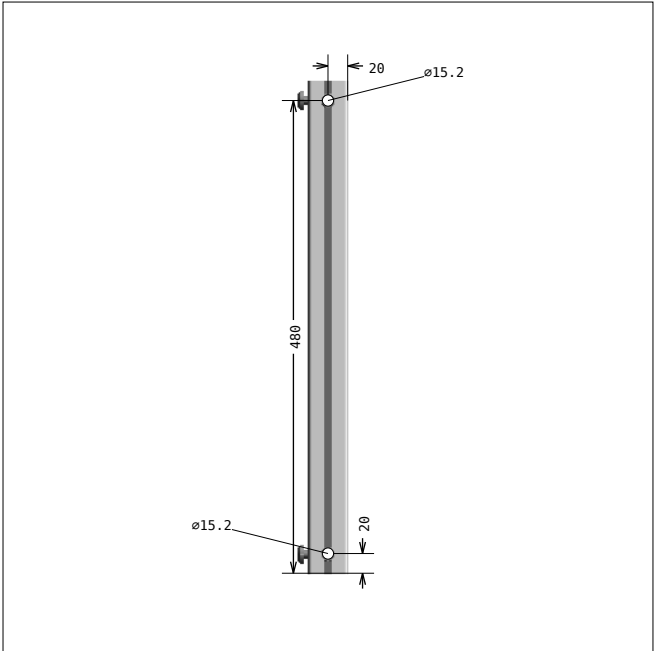
DRAWING 1, Pos 1
SIDE 1, bar length: 500.0 mm



DRAWING 1, Pos 1
SIDE 2



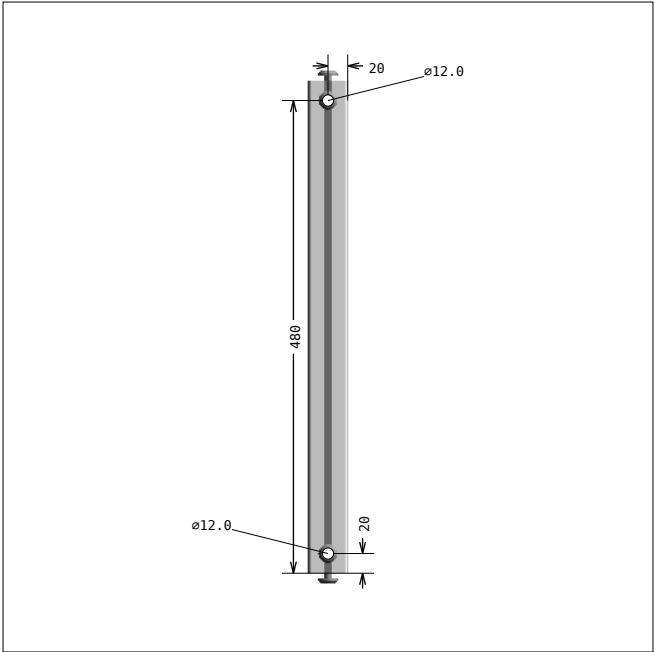
DRAWING 1, Pos 1
SIDE 3



DRAWING 1, Pos 1
SIDE 4

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

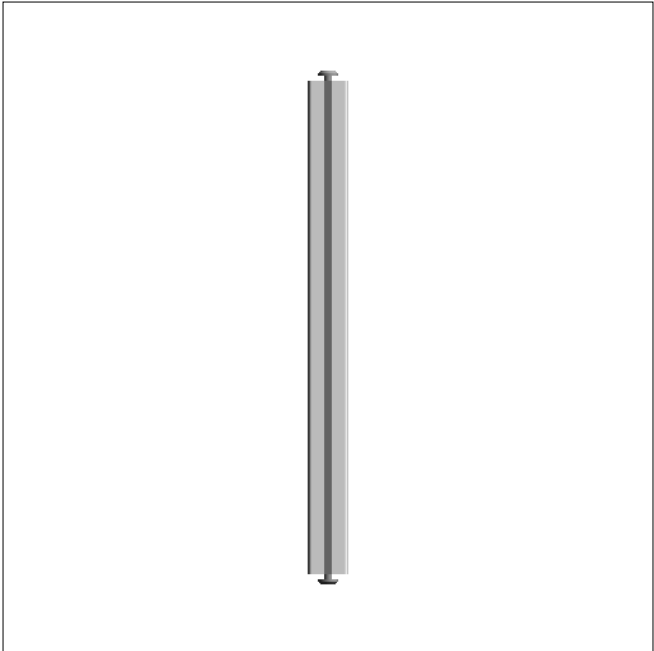
Profile machining details



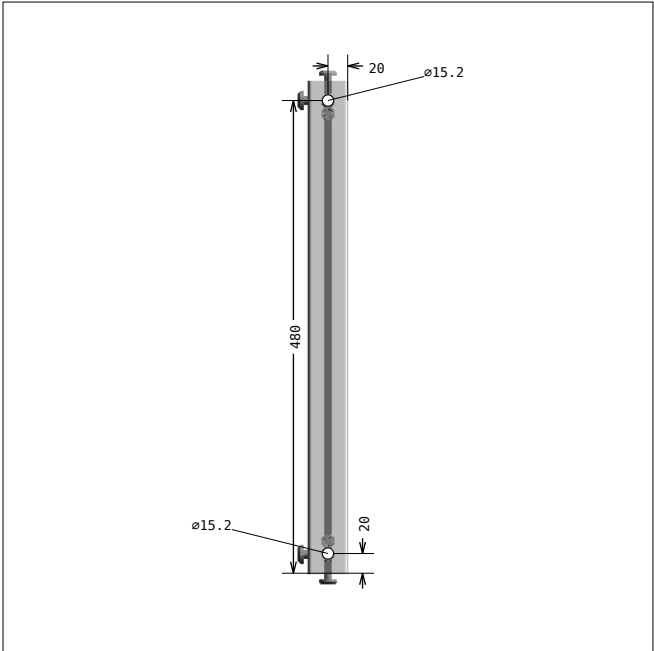
DRAWING 2, Pos 2
SIDE 1, bar length: 500.0 mm



DRAWING 2, Pos 2
SIDE 2



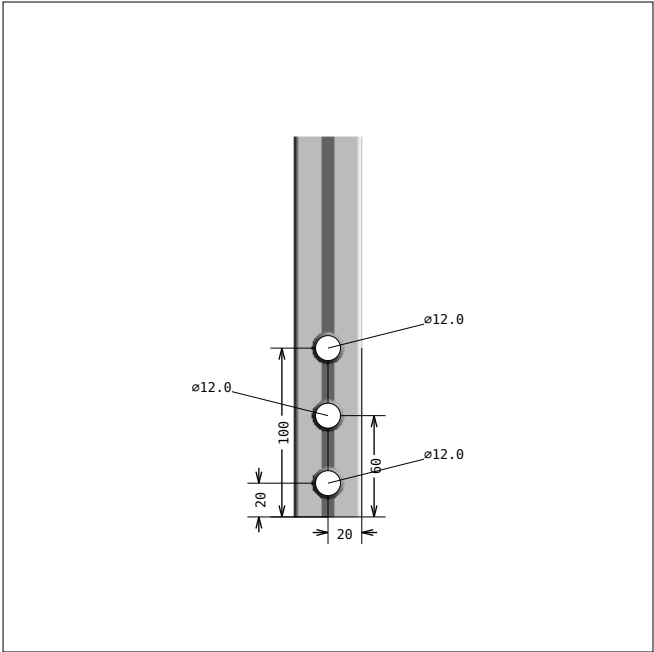
DRAWING 2, Pos 2
SIDE 3



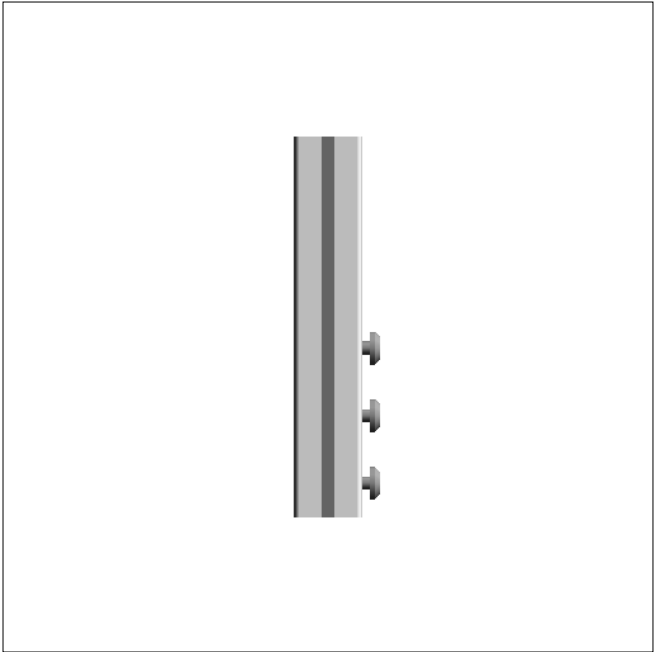
DRAWING 2, Pos 2
SIDE 4

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

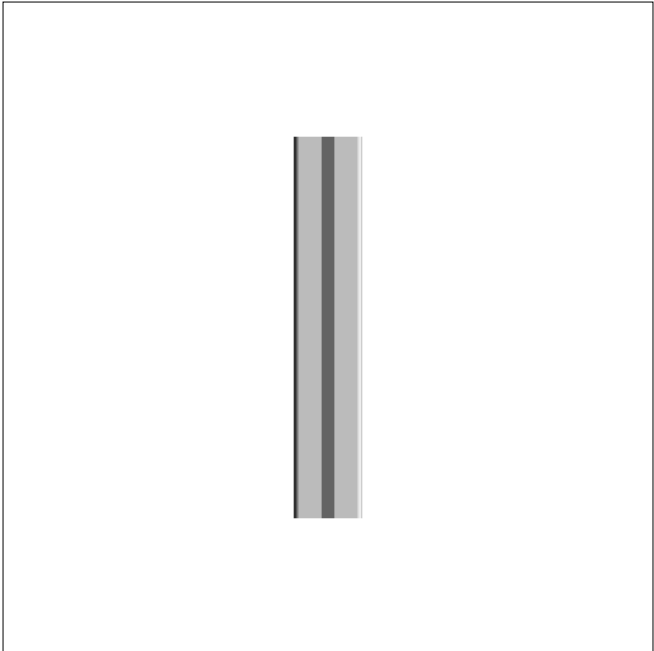
Profile machining details



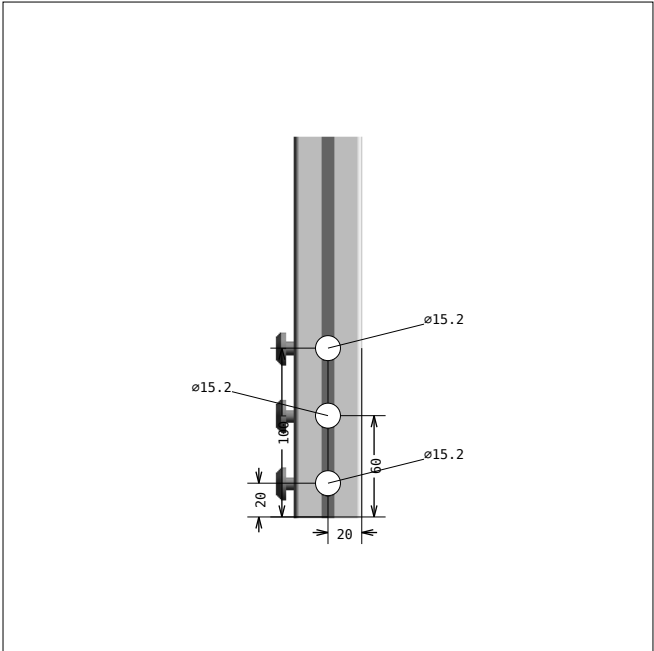
DRAWING 3, Pos 4
SIDE 1, bar length: 225.0 mm



DRAWING 3, Pos 4
SIDE 2



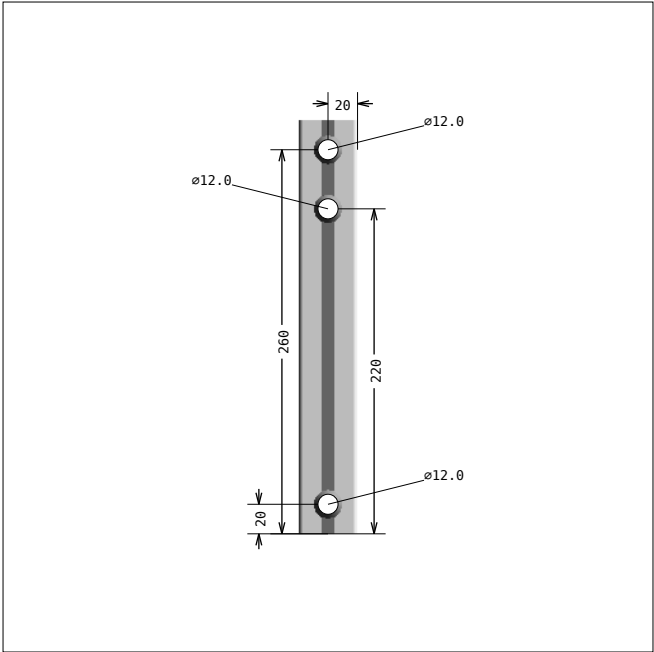
DRAWING 3, Pos 4
SIDE 3



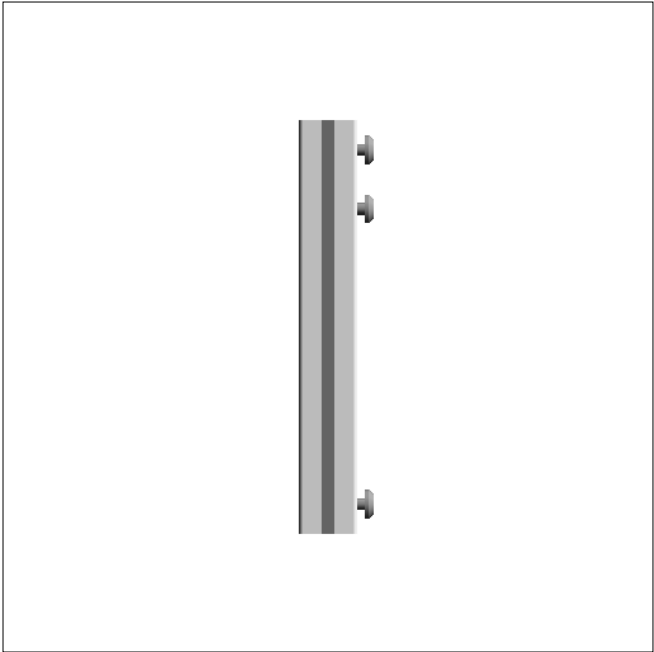
DRAWING 3, Pos 4
SIDE 4

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

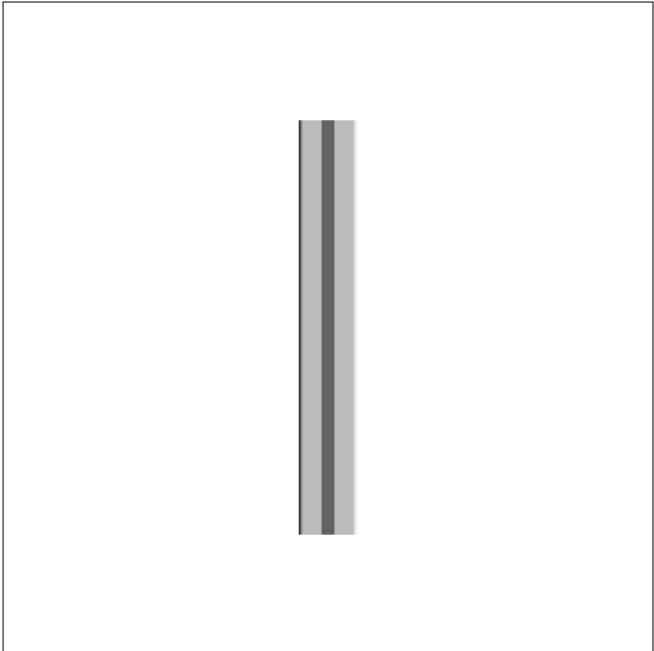
Profile machining details



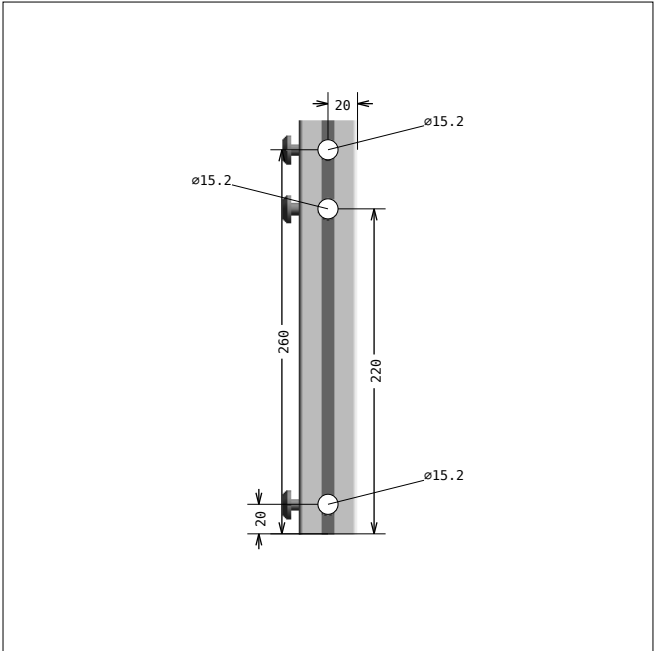
DRAWING 4, Pos 5
SIDE 1, bar length: 280.0 mm



DRAWING 4, Pos 5
SIDE 2



DRAWING 4, Pos 5
SIDE 3



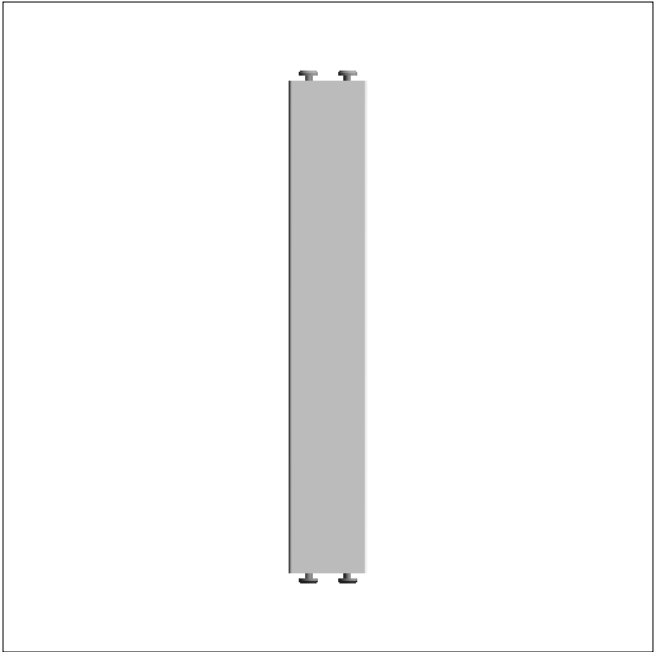
DRAWING 4, Pos 5
SIDE 4

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

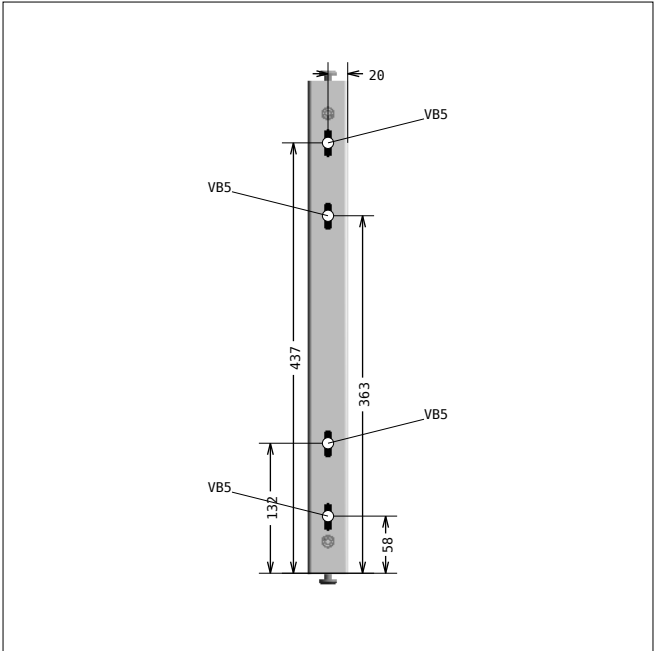
Profile machining details



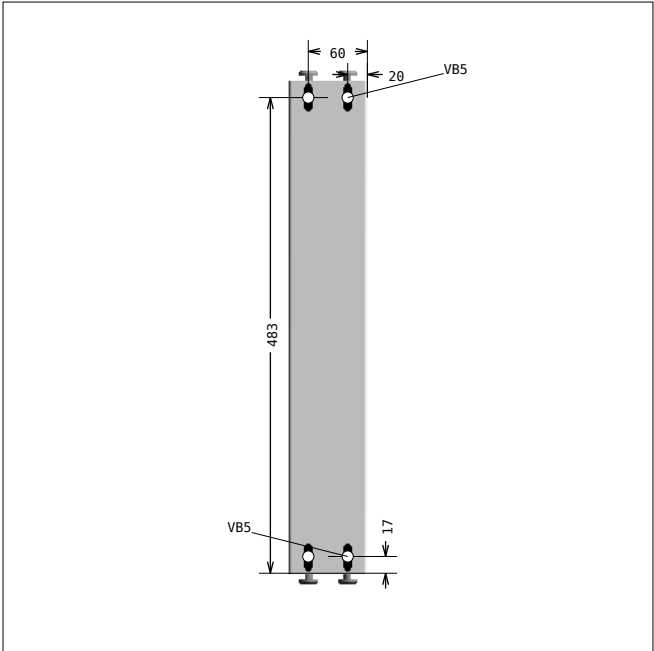
**DRAWING 5, Pos 8
SIDE 1, bar length: 500.0 mm**



**DRAWING 5, Pos 8
SIDE 2**



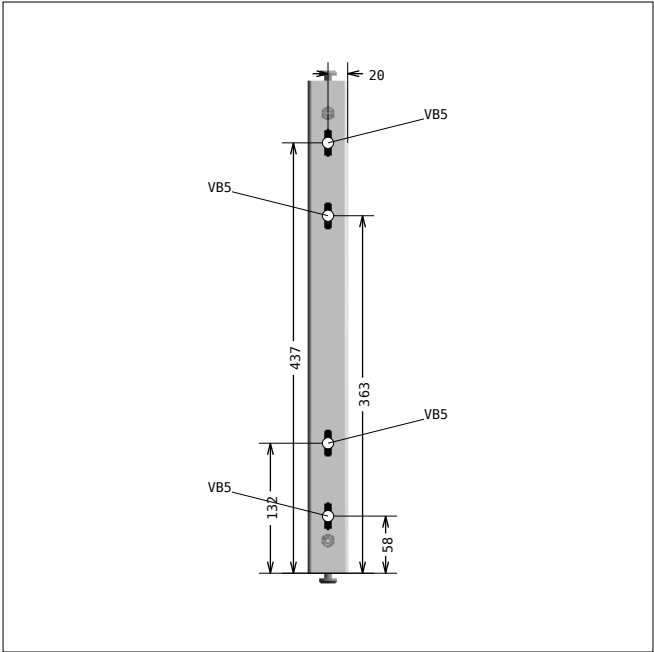
**DRAWING 5, Pos 8
SIDE 3**



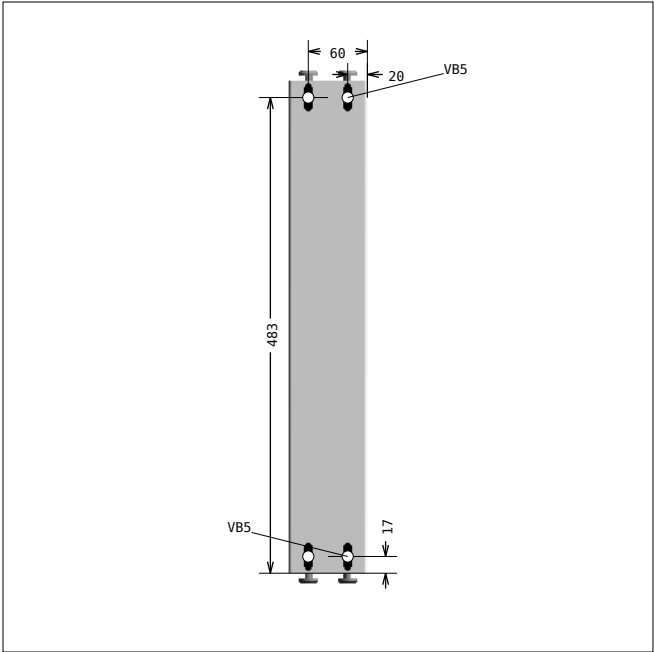
**DRAWING 5, Pos 8
SIDE 4**

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

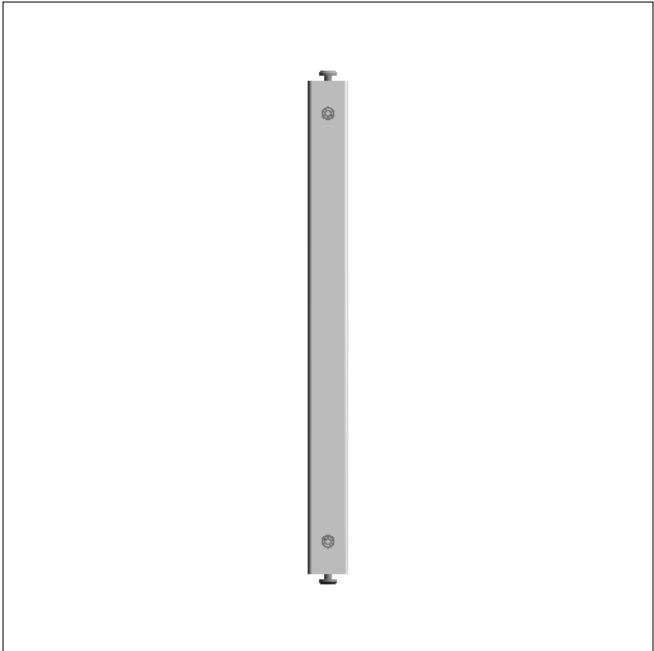
Profile machining details



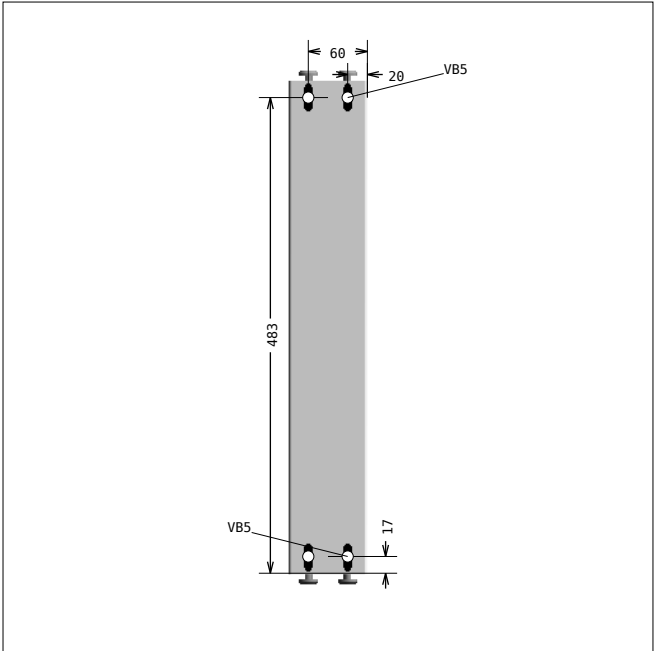
DRAWING 6, Pos 9
SIDE 1, bar length: 500.0 mm



DRAWING 6, Pos 9
SIDE 2



DRAWING 6, Pos 9
SIDE 3



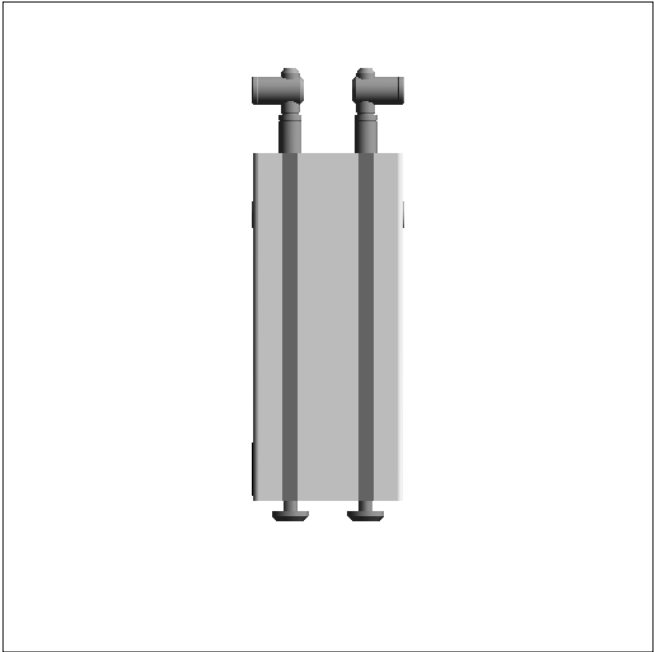
DRAWING 6, Pos 9
SIDE 4

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

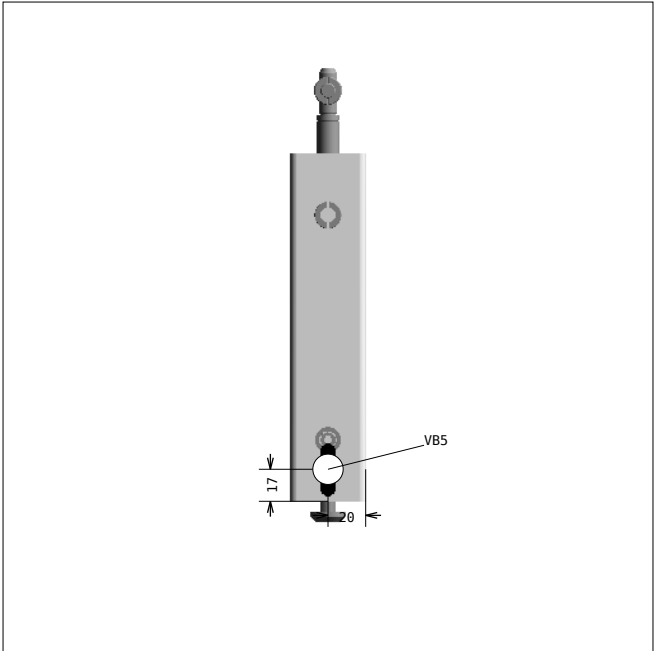
Profile machining details



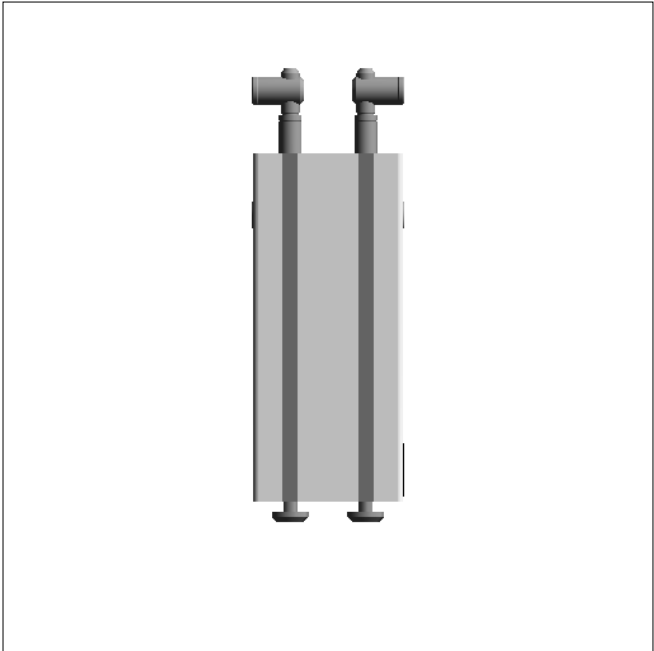
DRAWING 7, Pos 10
SIDE 1, bar length: 185.0 mm



DRAWING 7, Pos 10
SIDE 2



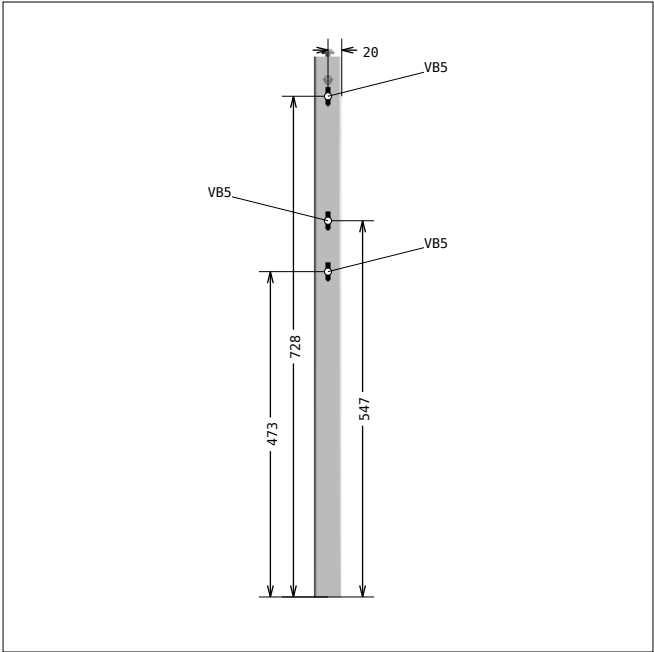
DRAWING 7, Pos 10
SIDE 3



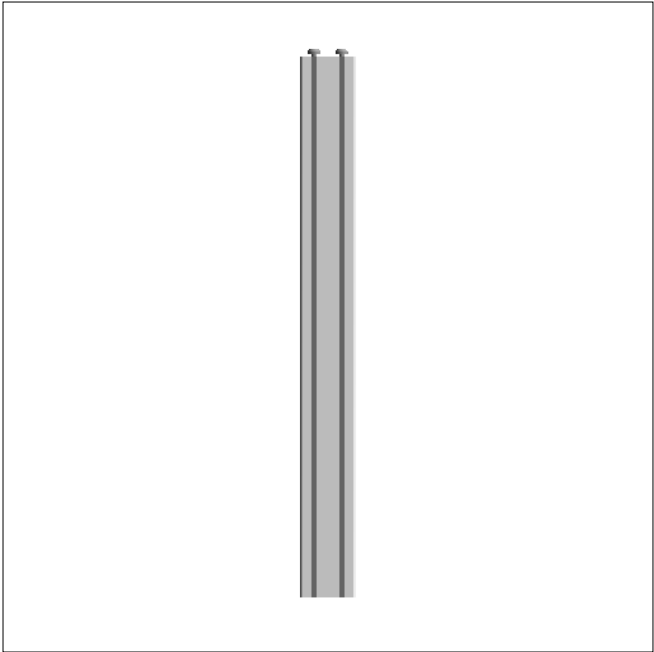
DRAWING 7, Pos 10
SIDE 4

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

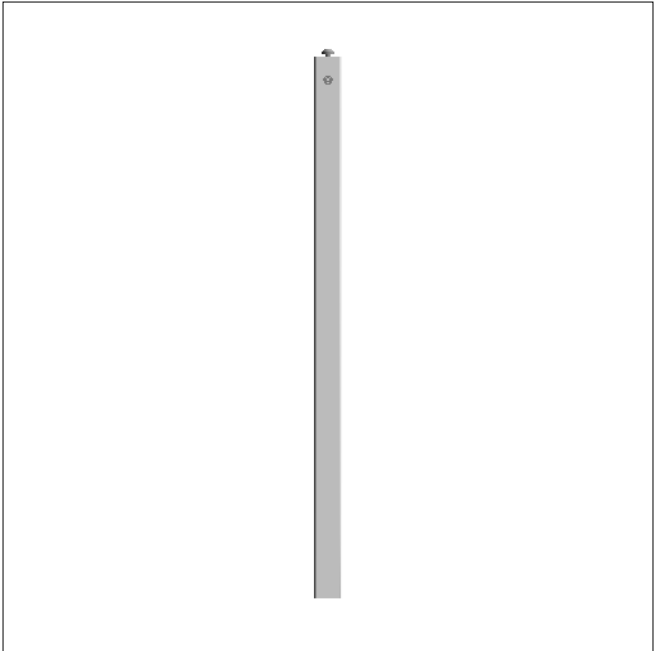
Profile machining details



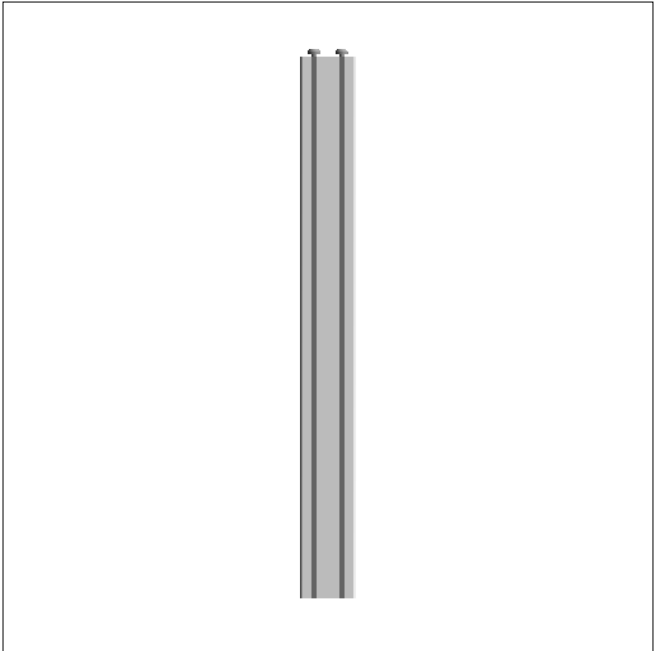
DRAWING 8, Pos 11
SIDE 1, bar length: 785.0 mm



DRAWING 8, Pos 11
SIDE 2



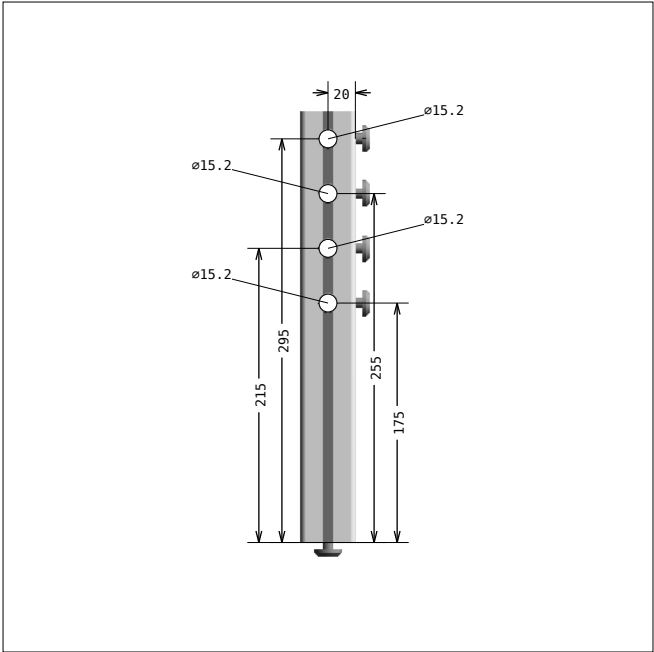
DRAWING 8, Pos 11
SIDE 3



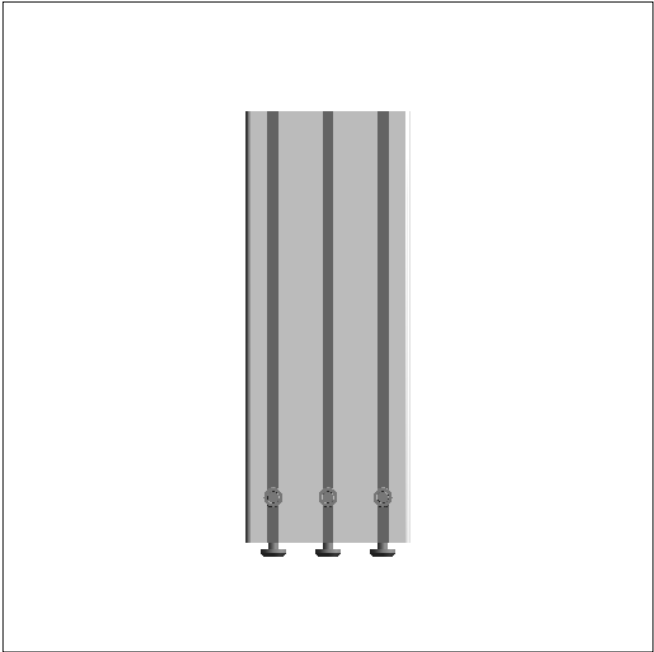
DRAWING 8, Pos 11
SIDE 4

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

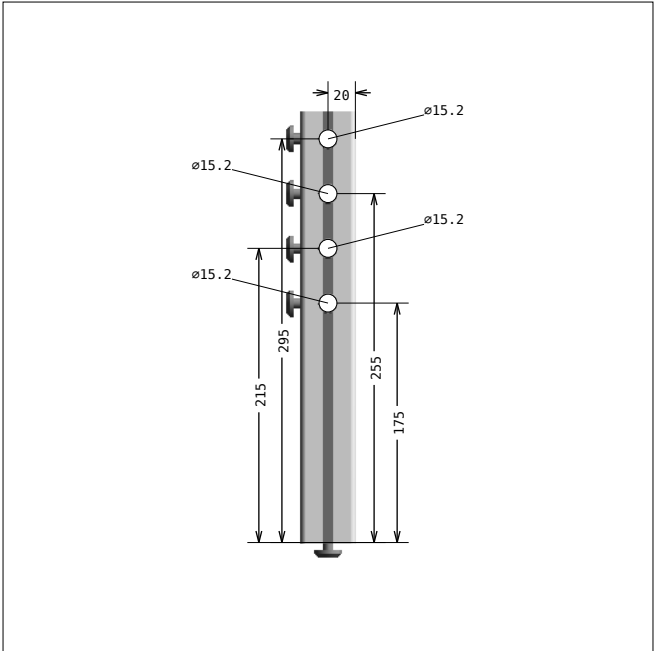
Profile machining details



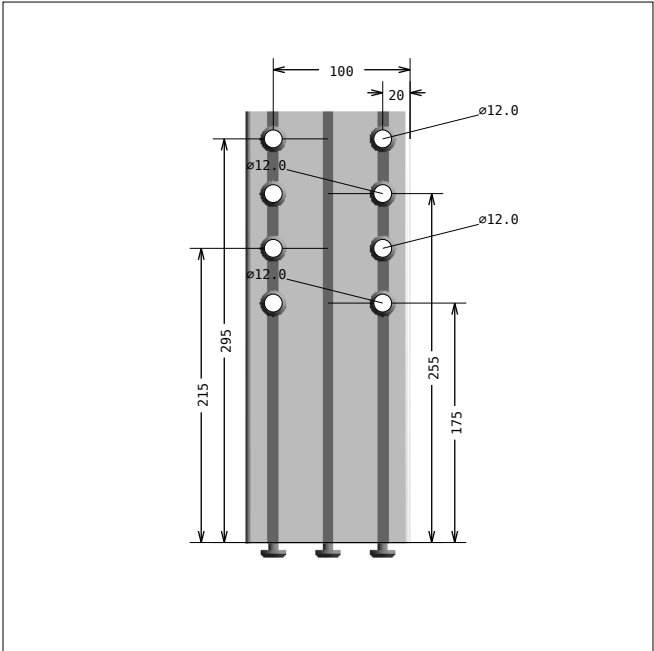
DRAWING 9, Pos 14
SIDE 1, bar length: 315.0 mm



DRAWING 9, Pos 14
SIDE 2



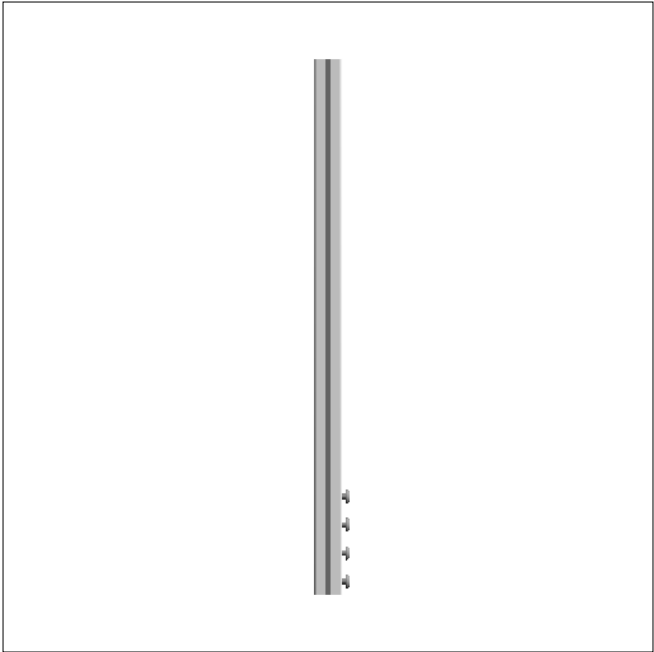
DRAWING 9, Pos 14
SIDE 3



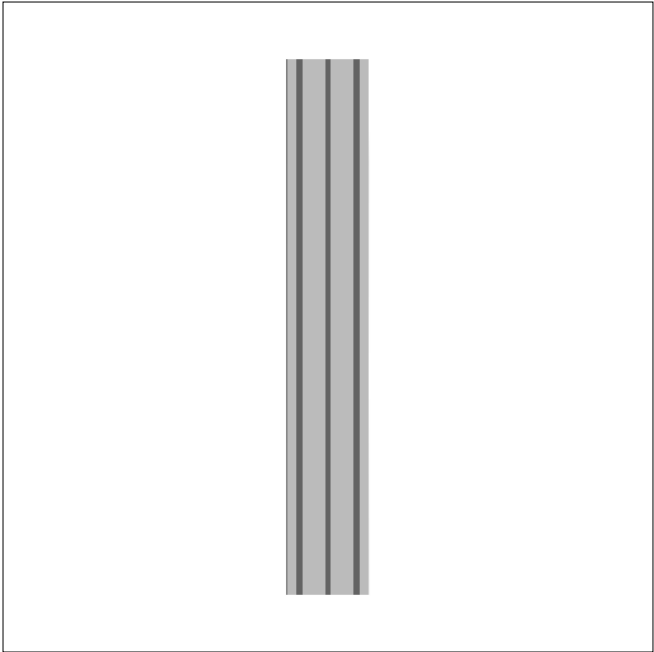
DRAWING 9, Pos 14
SIDE 4

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

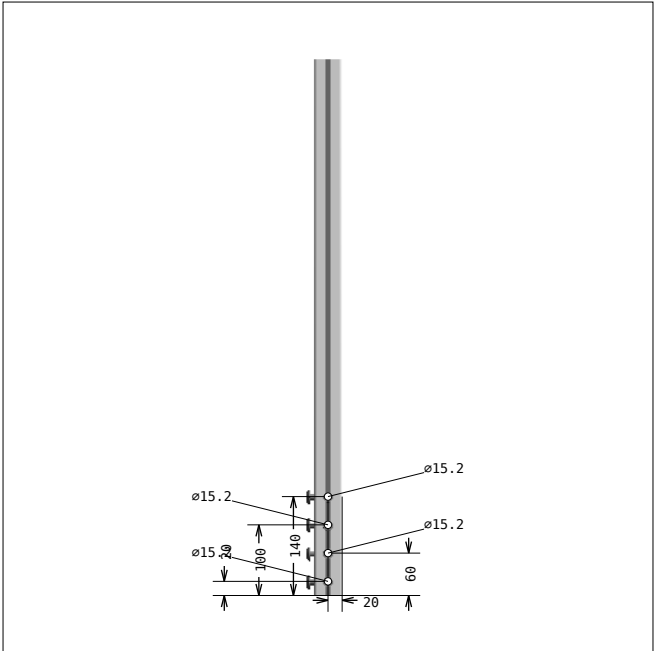
Profile machining details



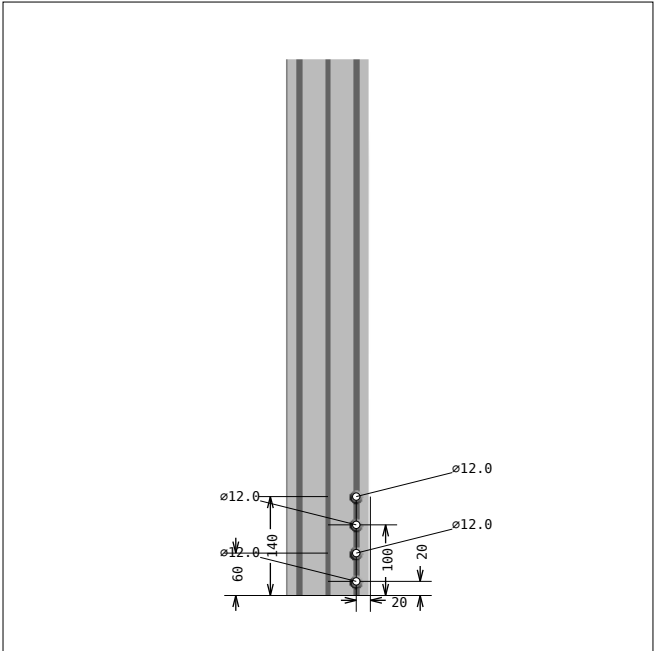
**DRAWING 10, Pos 17
SIDE 1, bar length: 760.0 mm**



**DRAWING 10, Pos 17
SIDE 2**






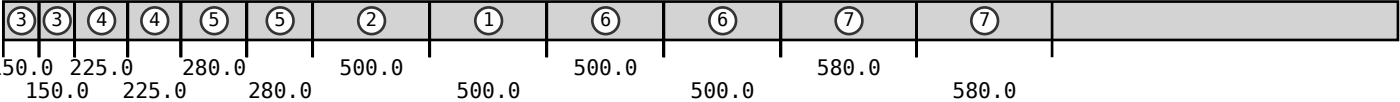
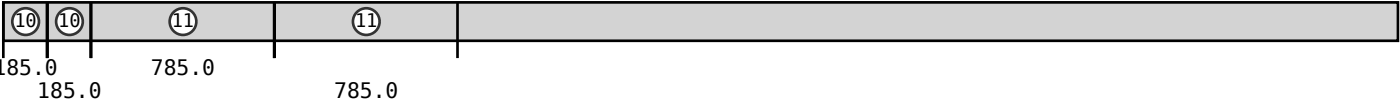
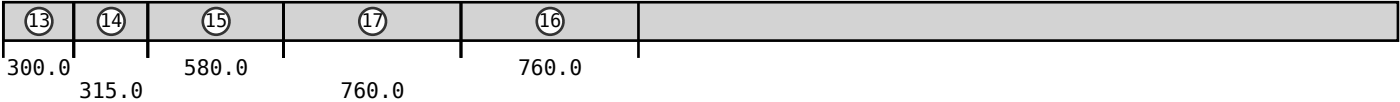
**DRAWING 10, Pos 17
SIDE 3**



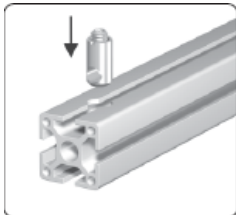
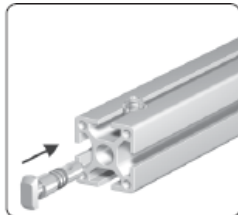
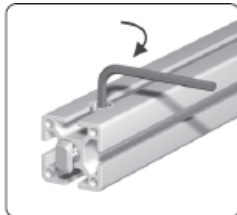
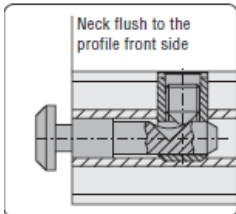
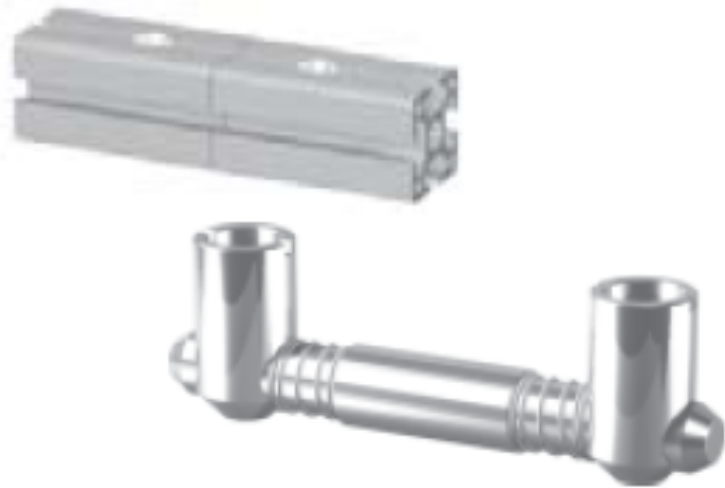
**DRAWING 10, Pos 17
SIDE 4**

← Profile "left end" is always at the bottom of the drawing. All dimensions are from "left".

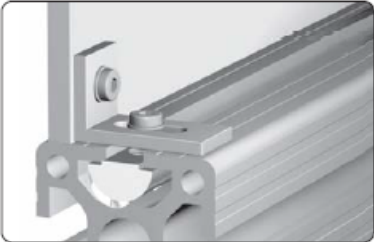
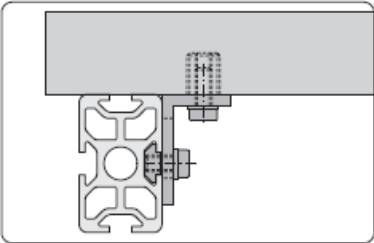
Suggested profile cuts (incl. kerf: 3.5 mm)

Article-No	Cuts	Waste (mm)
1.11.040080.64LP		5416.5 mm
1.11.040080.04LP		4993.0 mm
1.11.040160.104LP		2729.5 mm
1.11.040040.43LP		1488.0 mm
1.11.040080.44LBP		4046.0 mm
1.11.040120.84LP		3267.5 mm

Assembly hints

CONNECTOR	1.21.4E0	Connector, universal	
	1.21.4E5	Connector, parallel-square	
<div><div><p>Insert the cross bushing</p></div><div><p>Push in the anchor</p></div><div><p>Pretension the anchor</p></div><div><p>Neck flush to the profile front side</p></div><div><p>Comments</p><p>For the optimal assembly of the profiles the connector is to be installed in such a way that the neck is flush to the profile front side</p></div></div> <td><p>Most MayTec connectors follow these assembly steps. Tightening torque is: 5-15 Nm for 20mm profiles, 30 Nm for 30mm group, 35 Nm for 40mm and larger profiles.</p></td>			<p>Most MayTec connectors follow these assembly steps. Tightening torque is: 5-15 Nm for 20mm profiles, 30 Nm for 30mm group, 35 Nm for 40mm and larger profiles.</p>
CONNECTOR	1.21.4V0	Connector, profile extension	
			<p>This type of connector allows for end to end connection of profiles</p>


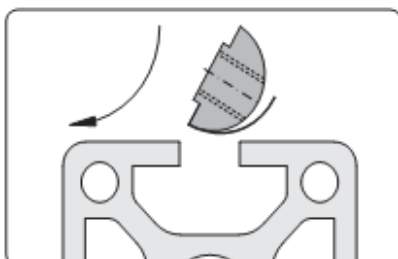

Assembly hints

ACCESSORY	1.46.120	Angle 25x40, M6	
<div><p>Fastening of panels</p></div> <div><p>Fastening of table tops</p></div> <div><p>Application Angle bracket for the mounting of panels, table tops, switches and accessories</p></div>			<p>These angles can be used to attach panels or thick tops.</p>

Assembly hints

MACHINING	VB	Zero slot mill, *price included in profile
<div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>For fastening of profile 30×30</div><div>Machining data VB1A□□□□□</div></div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>For fastening of profile 40×40</div><div>Machining data VB2A□□□□□</div></div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>For fastening of profile 45×45</div><div>Machining data VB3A□□□□□</div></div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>For fastening of profile 30×30</div><div>Machining data VB4A□□□□□</div></div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>For fastening of profile 40×40</div><div>Machining data VB5A□□□□□</div></div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>For fastening of profile 45×45</div><div>Machining data VB6A□□□□□</div></div></div>		<p>VB1 machining is performed on profiles with "zero" slots to accomodate Standard connector insertion. VB1 is usually the default. □VB2 is just an inverted VB1.□VB3 and VB4 are gor the "obliwue-hinge" connectors.□VB5 machining is performed on profiles with "zero" slots to accomodate the "Subseqent insertion T-nut with spring". The milling is sized to allow the nut to go into the slot. Machining dimension shown in the image. □VB6 is a special case for mitered profiles.</p>

Assembly hints

ACCESSORY	1.32.4EM6	T-Nut for subsequent insertion, w. spring E, M6	
	1.32.4EM8	T-Nut for subsequent insertion, w. spring E, M8	
<div><div><p>Fixing with leaf spring</p></div><div><p>Insert front-sided and rotate</p></div><div><p>Application Fastening element for screw-type connections</p><p>Technical data Design steel: • material: steel • surface: galvanised Design stainless: • material: stainless steel 1.4305 • surface: pickled and passivated max. moment of torque: $M_{A, max}$</p></div></div>			These t-nuts are easily inserted into assembled frames
ACCESSORY	1.46.204.4039.1	Angle GD-Zn, 40x39, natural	
	1.46.204.4039.2	Angle GD-Zn, 40x39, powder-coated	
	1.46.204.4039A	Cover cap for angle GD-Zn, 40x39	
<div><div><p>For mounting cross to the slot the noses can be broken off</p></div><div><p>Application For supporting profiles and mounting various machine components</p><p>Technical data material: • angle: GD-Zn • cover cap: PA-GK 30 • T-slot nut: steel, galvanised • screw: steel, galvanised surface: natural or aluminium coloured powder-coated</p></div></div>			These corner brackets or gussets can be used to reinforce or completely replace the Universal or Standard profile connector, make sure to choos the kit appropriate for your slot type H, F or E. These parts could also be used to mount additional parts and hardware.