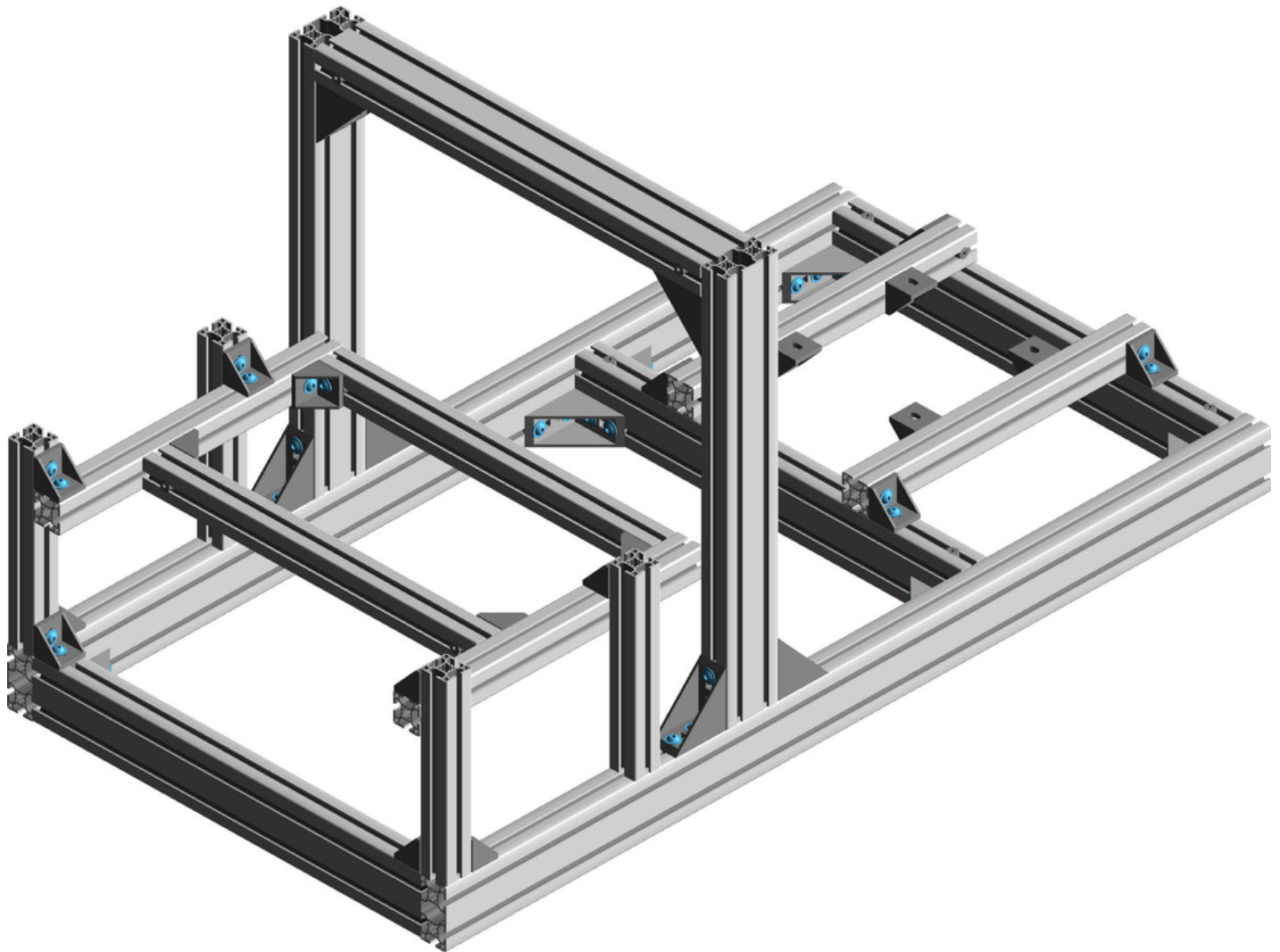


CONSTRUCTION DOCUMENTATION

Design Title : SIM RACING COCKPIT DESIGN.scene
Revision Level :
Approved by :
Designer :
Company :
Address :
E-Mail :
Phone :
Date : 2025-01-22



Bill of materials (Number of kits: 1)

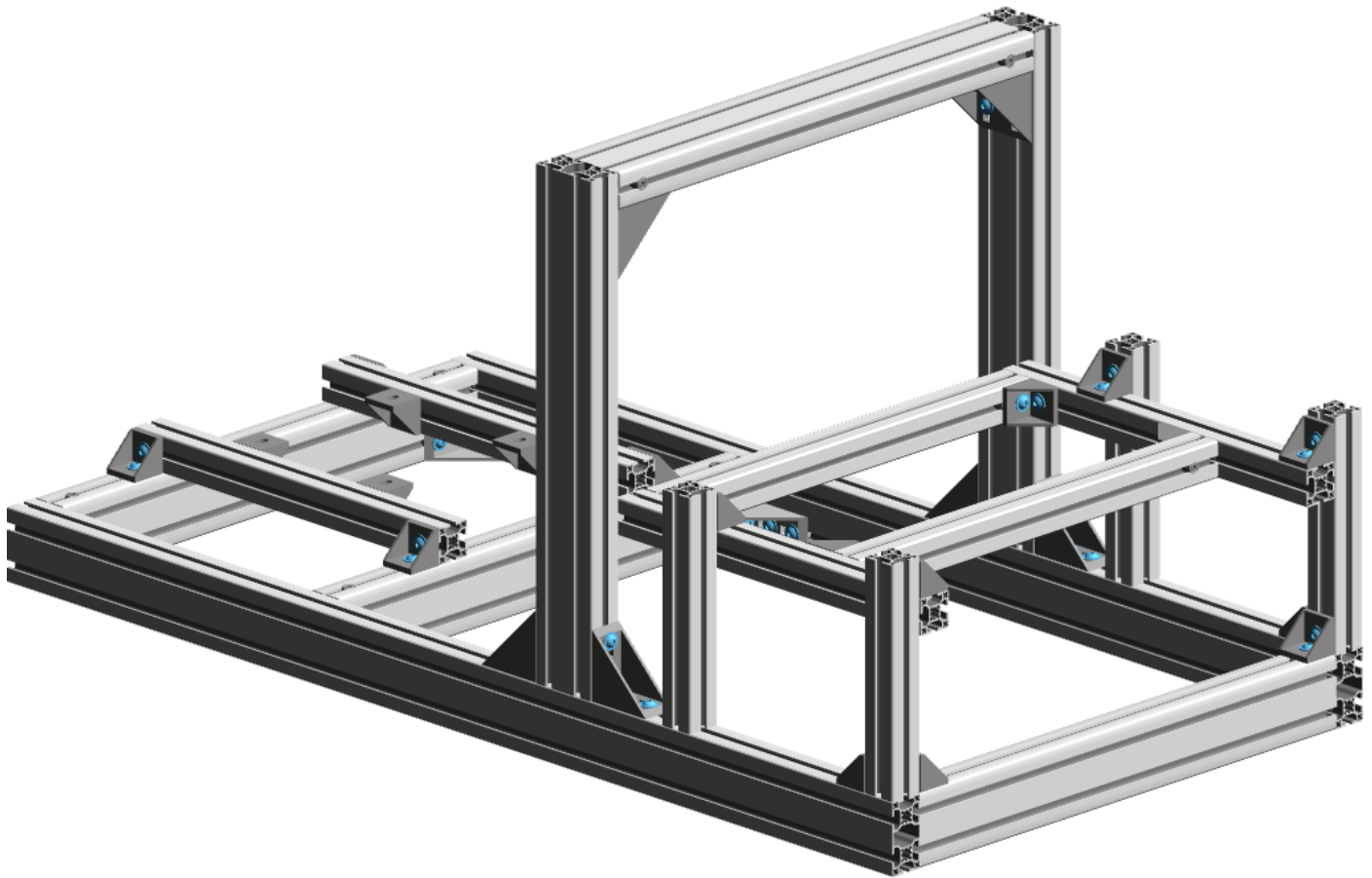
Pos	Article-No	Description	Units	Qty
1	1.11.040040.43LP-AA4A00/250	Profile 40x40, 4E, light, plain **PER DRAWING 1**	MM	1
1.A	ZA4/185.0	Parallel-connector distance left: 185.0 mm, anchor on side: 1	EA	1
2	1.11.040040.43LP-AA4A00/250	Profile 40x40, 4E, light, plain **PER DRAWING 2**	MM	1
2.A	ZA4/185.0	Parallel-connector distance left: 185.0 mm, anchor on side: 3	EA	1
3	1.11.040040.43LP-AA4A00/250	Profile 40x40, 4E, light, plain	MM	2
4	1.11.040040.43LP-A00A00/430	Profile 40x40, 4E, light, plain **PER DRAWING 3**	MM	2
4.A	ZA4/20.0	Parallel-connector distance left: 20.0 mm, anchor on side: 1	EA	2
4.B	ZA4/410.0	Parallel-connector distance left: 410.0 mm, anchor on side: 1	EA	2
5	1.11.040040.43LP-A00A00/430	Profile 40x40, 4E, light, plain **PER DRAWING 4**	MM	2
5.A	ZA4/20.0	Parallel-connector distance left: 20.0 mm, anchor on side: 1	EA	2
6	1.11.040040.43LP-AA4AA4/505	Profile 40x40, 4E, light, plain	MM	2
7	1.11.040080.64LP-FB1F00/550	Profile 40x80, 6E, light, plain	MM	2
8	1.11.040080.64LP-F00F00/1250	Profile 40x80, 6E, light, plain	MM	2
9	1.11.040080.64LP-FB1FB1/585	Profile 40x80, 6E, light, plain	MM	4
10	1.46.204.3876.1	Angle GD-Zn, 38x76, natural	EA	8
11	1.46.204.3876.2	Angle GD-Zn, 38x76, powder-coated	EA	4
12	1.46.204.4039.2	Angle GD-Zn, 40x39, powder-coated	EA	20
13	1.46.204.7476.2	Angle GD-Zn, 74x76, powder-coated	EA	2
14	0.63.WN7381.08016	Round head flange screw, M8x16, WN7381	EA	100
15	1.21.4E0	Connector, universal	EA	28
16	1.21.4E5	Connector, parallel-square	EA	8
17	1.32.4EM8	T-Nut for subsequent insertion, w. spring E, M8	EA	100
18	1.46.204.3876A	Cover cap for angle GD-Zn, 38x76	EA	12
19	1.46.204.4039A	Cover cap for angle GD-Zn, 40x39	EA	20
20	1.46.204.7476A	Cover cap for angle GD-Zn, 74x76	EA	2

Total Weight:

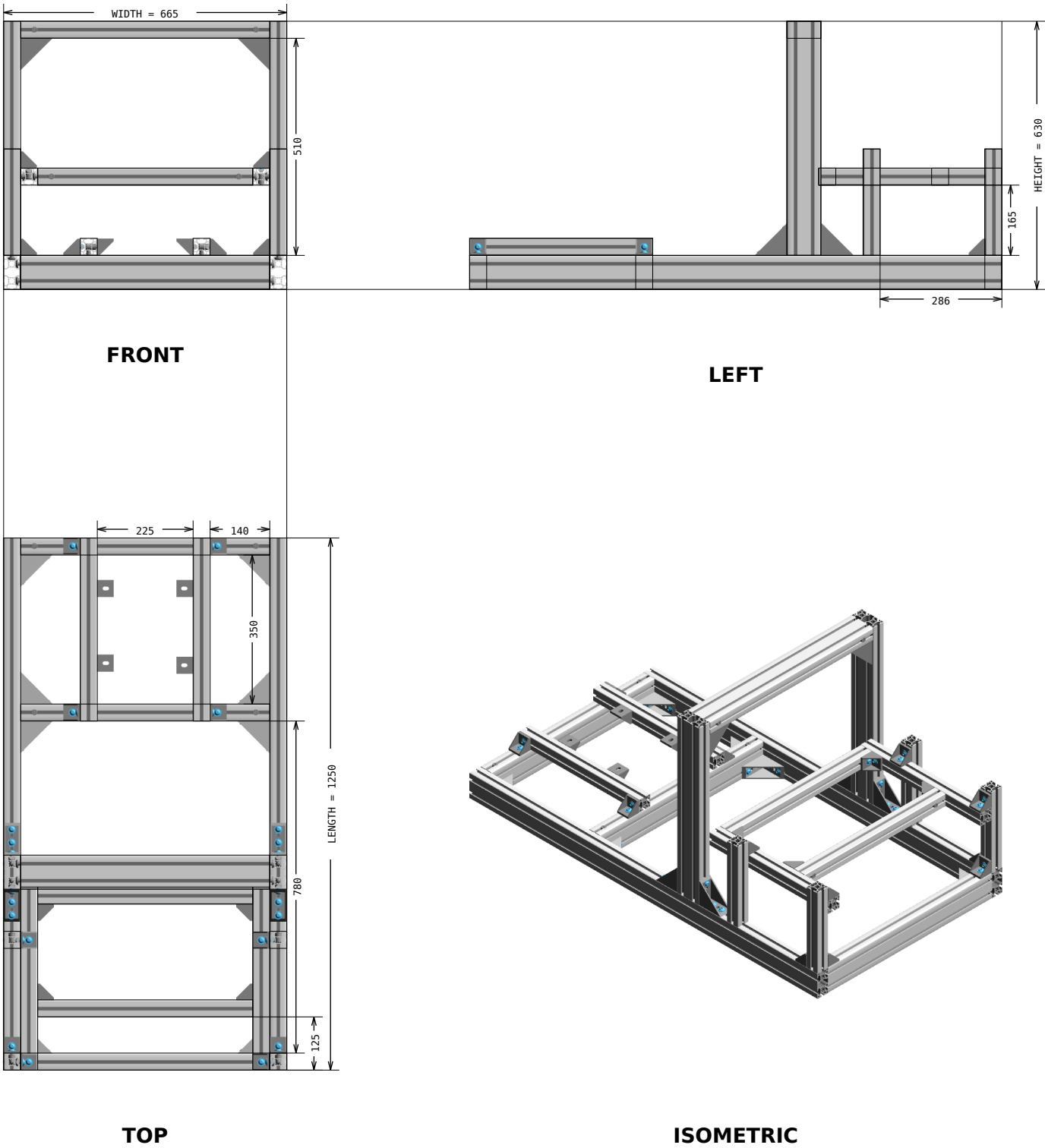
31.57 kg (69.59 lbs)

Isometric view

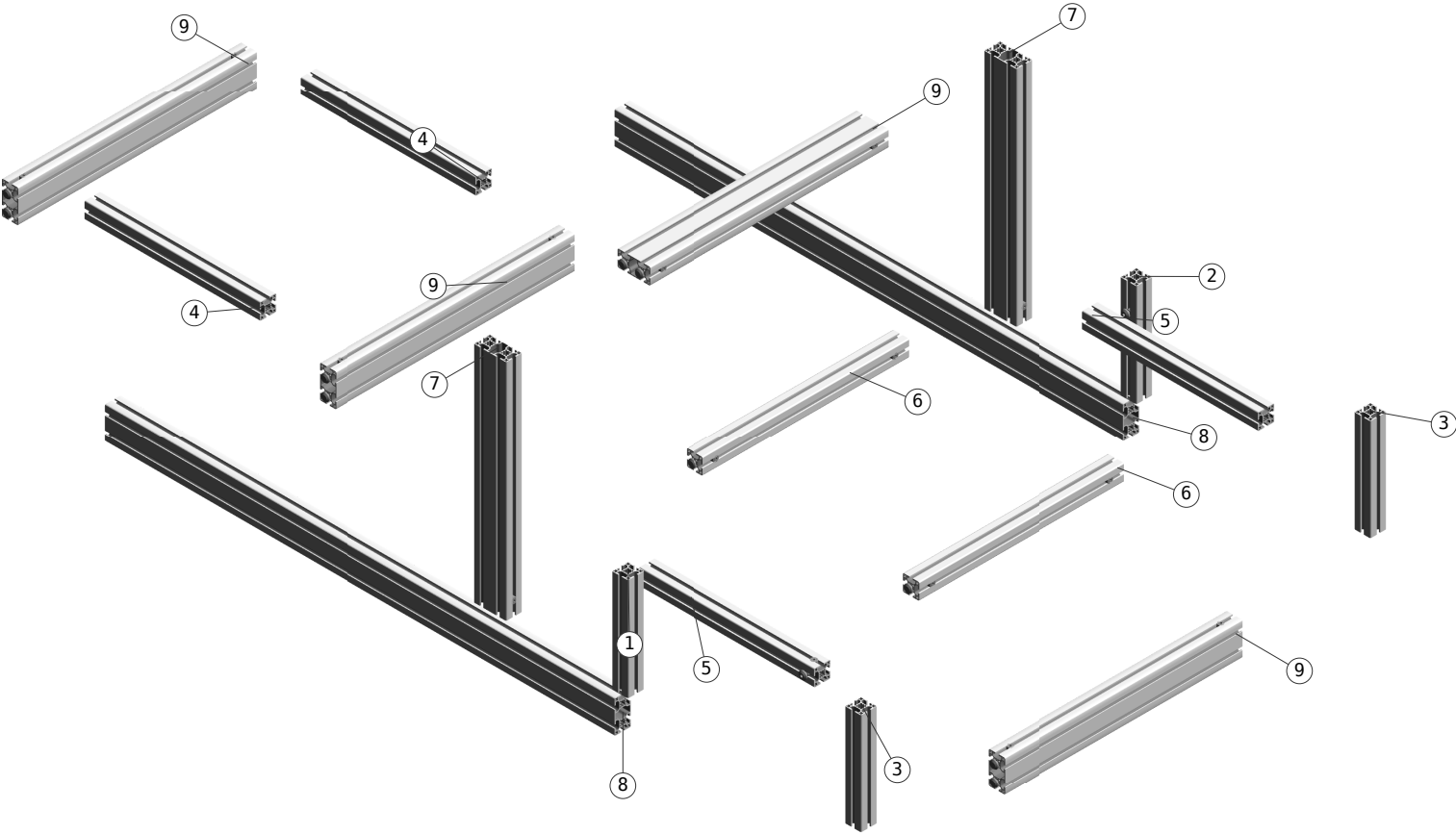
Some accessories may not be shown



Multiview



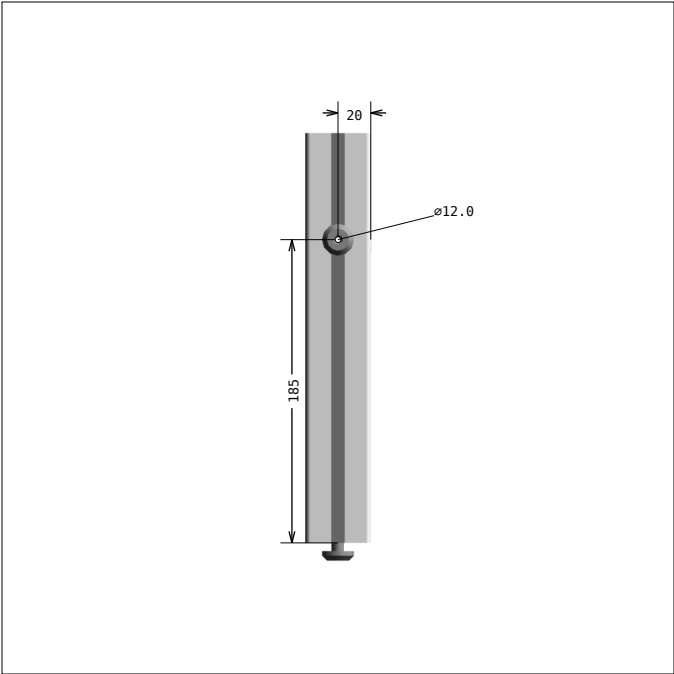
Exploded view



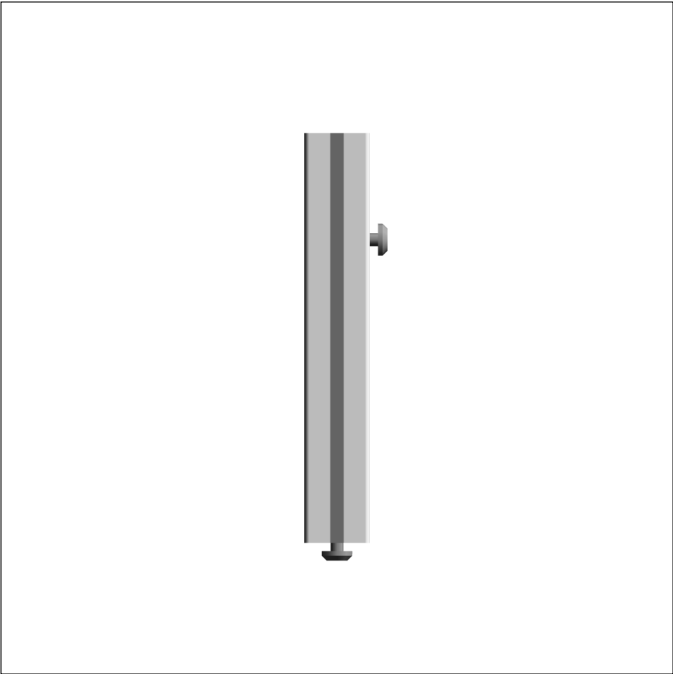
Assembly List

Pos	Article-No	Description	Related parts	Qty
1	1.11.040040.43LP-AA4A00/250	Profile 40x40, 4E, light, plain	1.21.4E5, Connector, parallel-square 1.21.4E0, Connector, universal	1 1
2	1.11.040040.43LP-AA4A00/250	Profile 40x40, 4E, light, plain	1.21.4E5, Connector, parallel-square 1.21.4E0, Connector, universal	1 1
3	1.11.040040.43LP-AA4A00/250	Profile 40x40, 4E, light, plain	1.21.4E0, Connector, universal	2
4	1.11.040040.43LP-A00A00/430	Profile 40x40, 4E, light, plain	1.21.4E5, Connector, parallel-square	4
5	1.11.040040.43LP-A00A00/430	Profile 40x40, 4E, light, plain	1.21.4E5, Connector, parallel-square	2
6	1.11.040040.43LP-AA4AA4/505	Profile 40x40, 4E, light, plain	1.21.4E0, Connector, universal	4
7	1.11.040080.64LP-FB1F00/550	Profile 40x80, 6E, light, plain	1.21.4E0, Connector, universal	4
9	1.11.040080.64LP-FB1FB1/585	Profile 40x80, 6E, light, plain	1.21.4E0, Connector, universal	16
10	1.46.204.3876.1	Angle GD-Zn, 38x76, natural	1.32.4EM8, T-Nut for subsequent insertion, w. spring E, M8 1.46.204.3876A, Cover cap for angle GD-Zn, 38x76 0.63.WN7381.08016, Round head flange screw, M8x16, WN7381	32 8 32
11	1.46.204.3876.2	Angle GD-Zn, 38x76, powder-coated	1.32.4EM8, T-Nut for subsequent insertion, w. spring E, M8 1.46.204.3876A, Cover cap for angle GD-Zn, 38x76 0.63.WN7381.08016, Round head flange screw, M8x16, WN7381	16 4 16
12	1.46.204.4039.2	Angle GD-Zn, 40x39, powder-coated	1.46.204.4039A, Cover cap for angle GD-Zn, 40x39 1.32.4EM8, T-Nut for subsequent insertion, w. spring E, M8 0.63.WN7381.08016, Round head flange screw, M8x16, WN7381	20 36 36
13	1.46.204.7476.2	Angle GD-Zn, 74x76, powder-coated	1.32.4EM8, T-Nut for subsequent insertion, w. spring E, M8 0.63.WN7381.08016, Round head flange screw, M8x16, WN7381 1.46.204.7476A, Cover cap for angle GD-Zn, 74x76	16 16 2

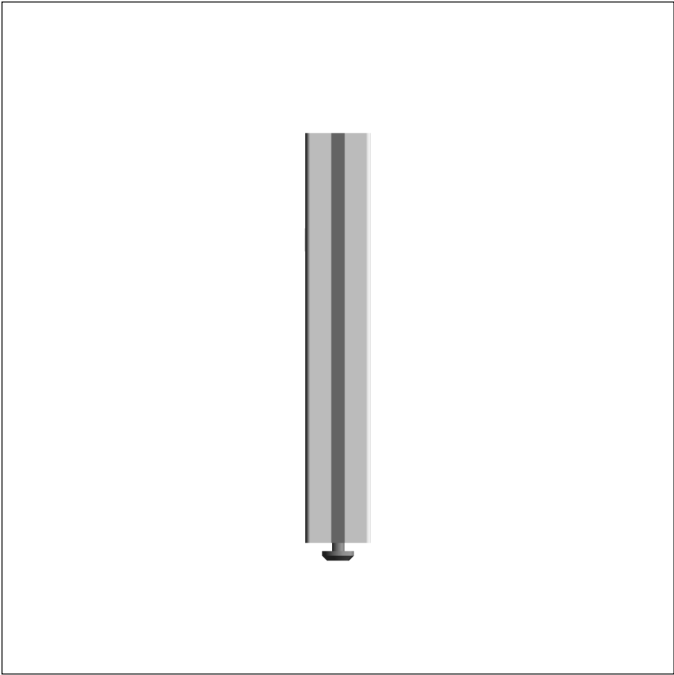
Profile machining details



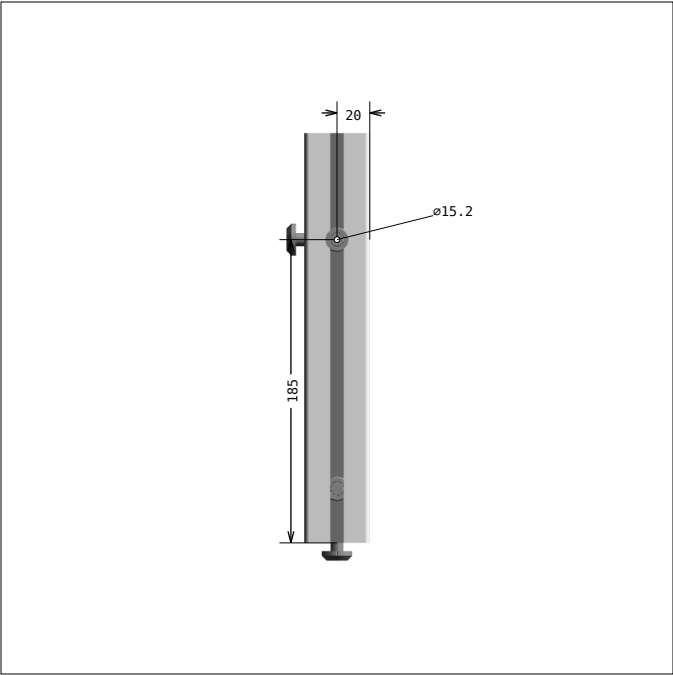
DRAWING 1, Pos 1
SIDE 1, bar length: 250 mm



DRAWING 1, Pos 1
SIDE 2



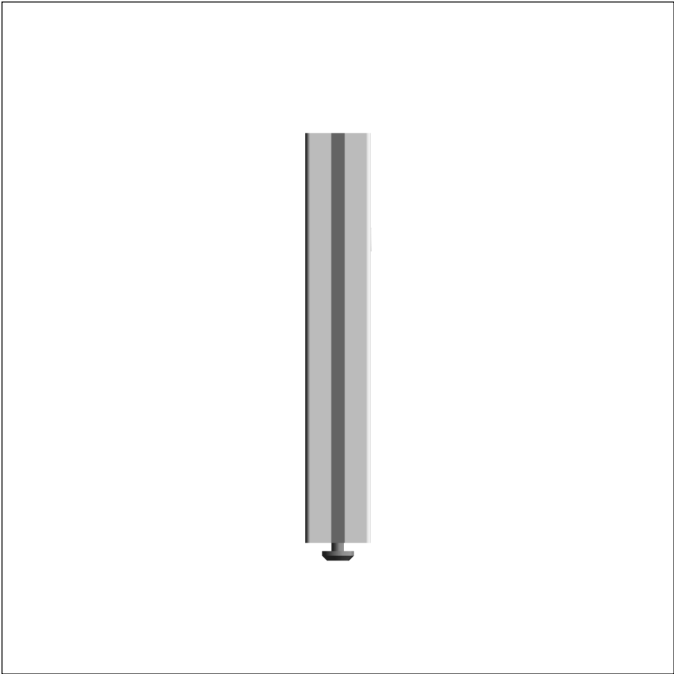
DRAWING 1, Pos 1
SIDE 3



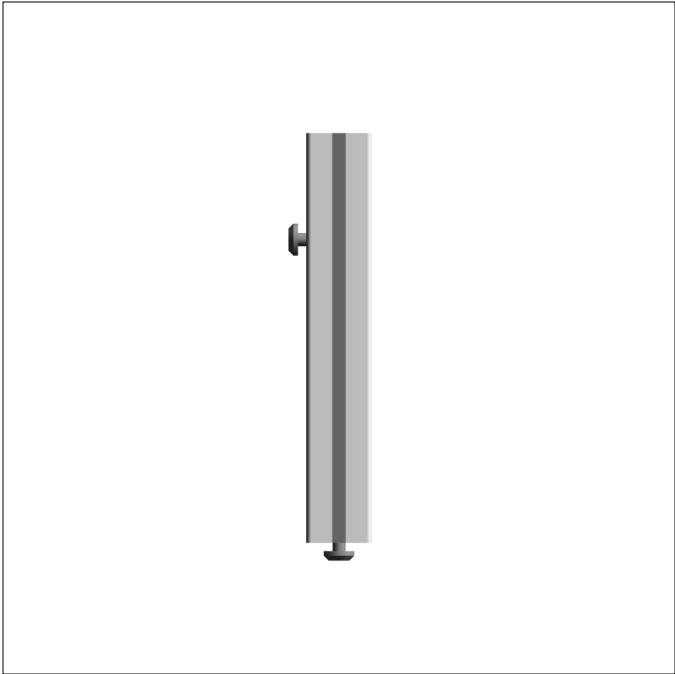
DRAWING 1, Pos 1
SIDE 4

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

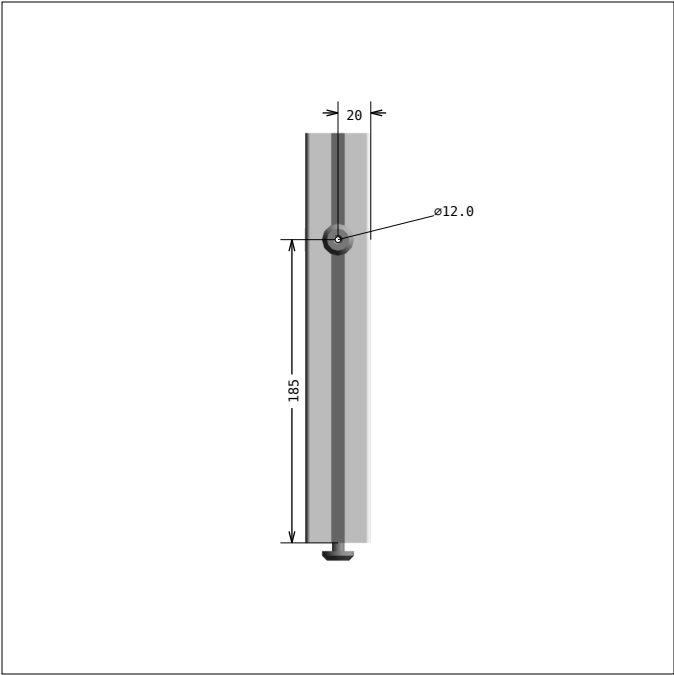
Profile machining details



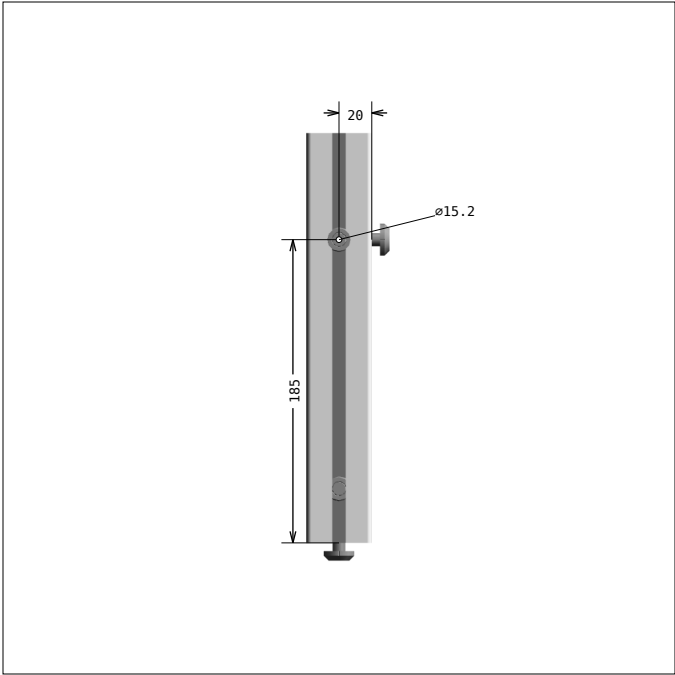
DRAWING 2, Pos 2
SIDE 1, bar length: 250 mm



DRAWING 2, Pos 2
SIDE 2



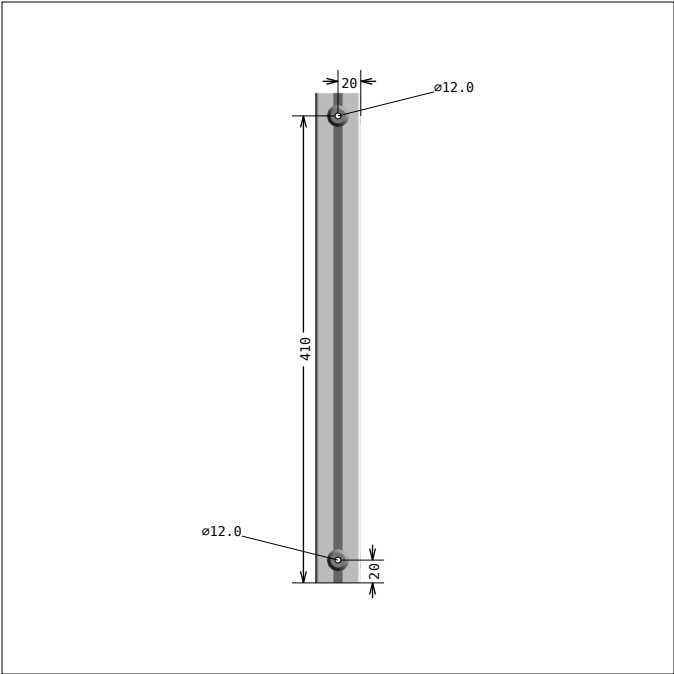
DRAWING 2, Pos 2
SIDE 3



DRAWING 2, Pos 2
SIDE 4

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

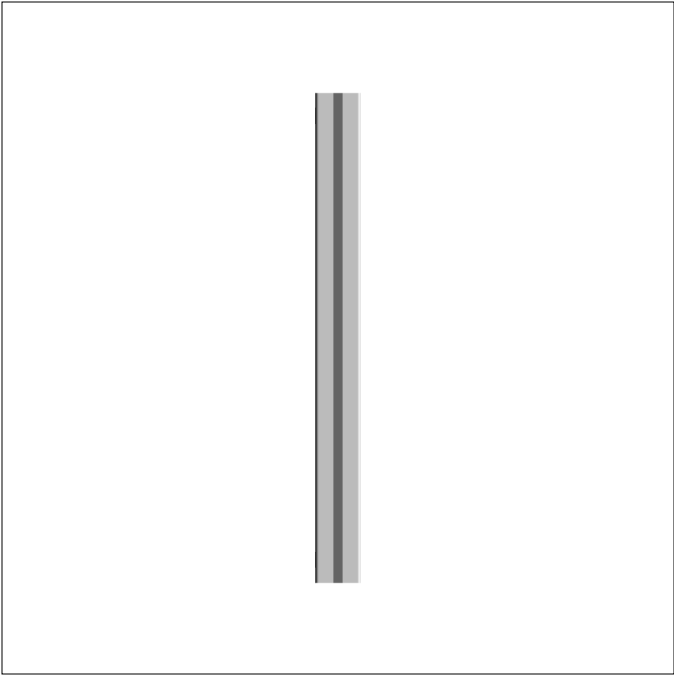
Profile machining details



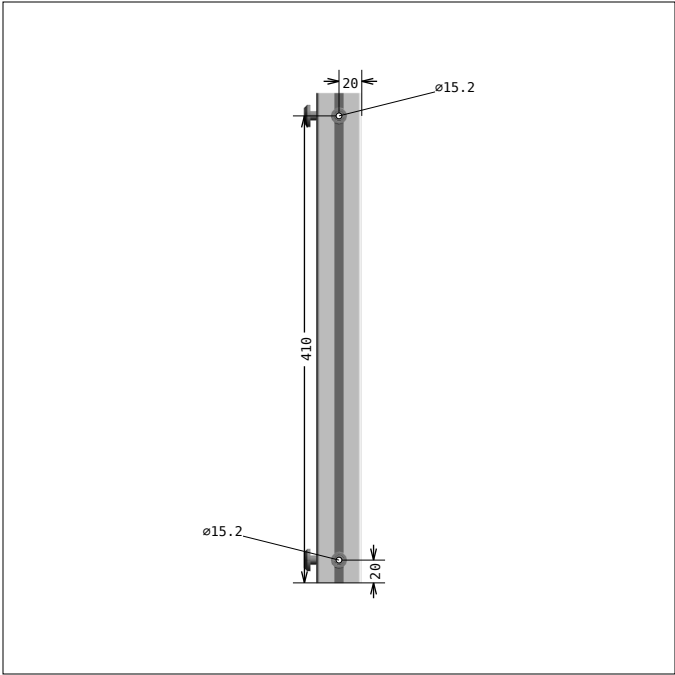
DRAWING 3, Pos 4
SIDE 1, bar length: 430 mm



DRAWING 3, Pos 4
SIDE 2



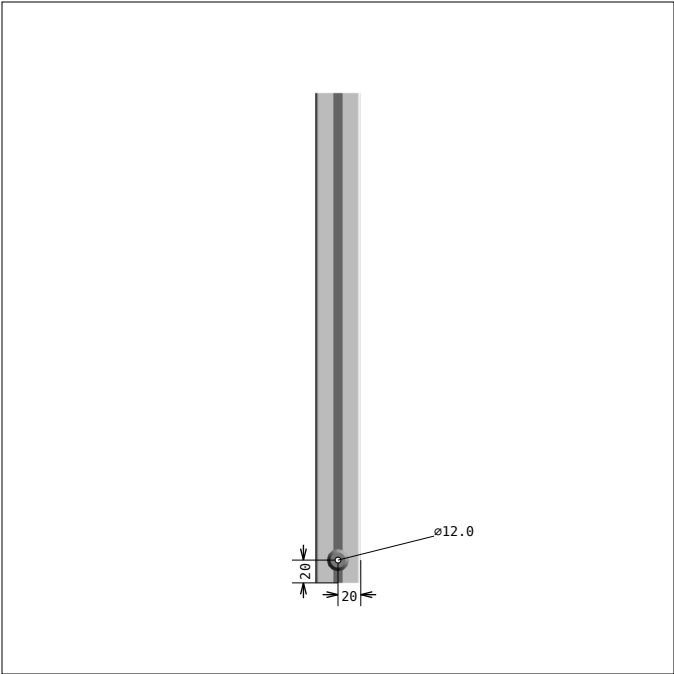
DRAWING 3, Pos 4
SIDE 3



DRAWING 3, Pos 4
SIDE 4

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

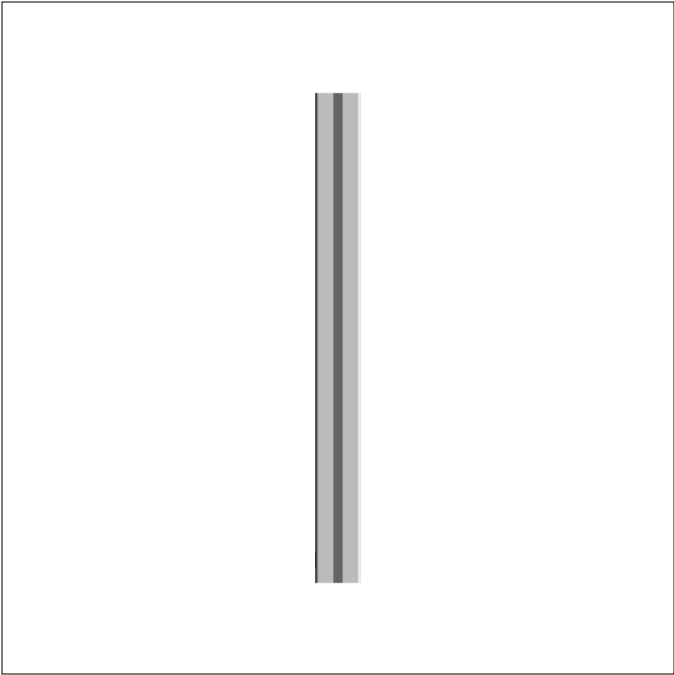
Profile machining details



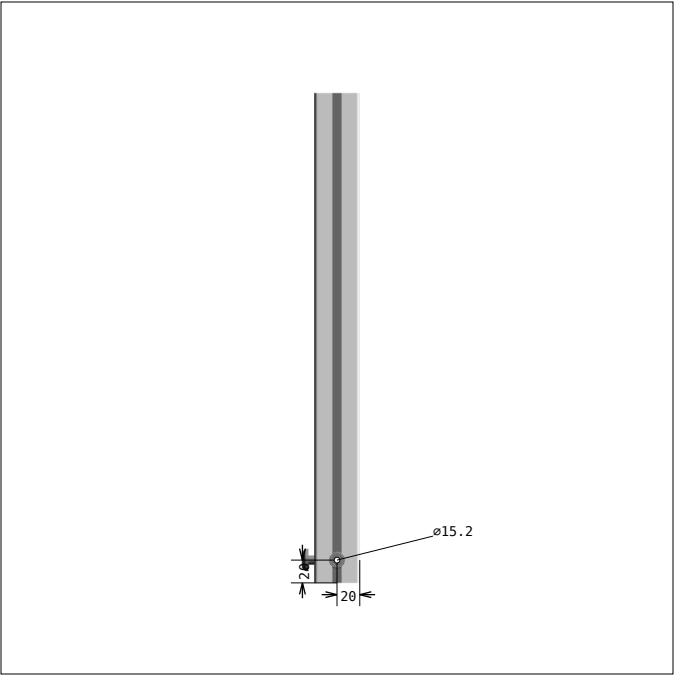
DRAWING 4, Pos 5
SIDE 1, bar length: 430 mm



DRAWING 4, Pos 5
SIDE 2



DRAWING 4, Pos 5
SIDE 3




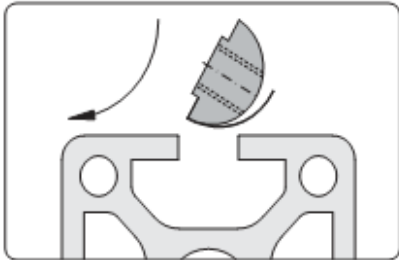
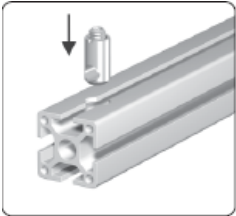
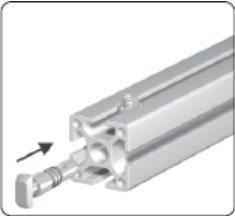
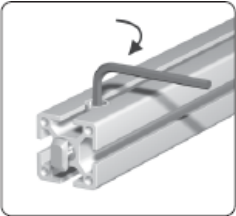
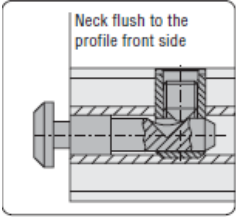
DRAWING 4, Pos 5
SIDE 4

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

Suggested profile cuts (incl. kerf: 3.5 mm)

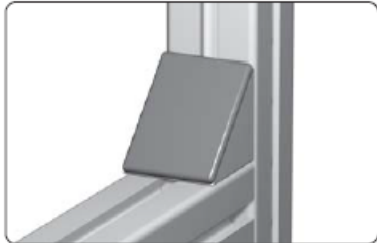
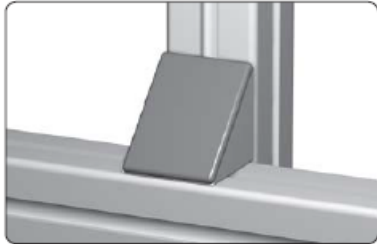
Article-No	Cuts	Waste (mm)
1.11.040040.43LP	<div><div><div>2</div><div>1</div><div>3</div><div>3</div><div>5</div><div>5</div><div>4</div><div>4</div><div>6</div><div>6</div></div><div>250.0250.0250.0430.0430.0430.0430.0505.0505.0</div></div>	2235.0 mm
1.11.040080.64LP	<div><div><div>7</div><div>7</div><div>9</div><div>9</div><div>9</div><div>9</div><div>8</div><div>8</div></div><div>550.0550.0585.0585.0585.0585.01250.01250.0</div></div>	32.0 mm

Assembly hints

ACCESSORY	1.32.4EM8	T-Nut for subsequent insertion, w. spring E, M8
<div><div></div><div>Fixing with leaf spring</div></div> <div><div></div><div>Insert front-sided and rotate</div></div> <div><div>Application</div><div>Fastening element for screw-type connections</div></div> <div><div>Technical data</div><div>Design steel:</div><div><ul style="list-style-type: none">material: steelsurface: galvanised</div><div>Design stainless:</div><div><ul style="list-style-type: none">material: stainless steel 1.4305surface: pickled and passivated</div><div>max. moment of torque: $M_{A, max}$</div></div>		These t-nuts are easily inserted into assembled frames
CONNECTOR	1.21.4E0	Connector, universal
	1.21.4E5	Connector, parallel-square
<div><div></div><div>Insert the cross bushing</div></div> <div><div></div><div>Push in the anchor</div></div> <div><div></div><div>Pretension the anchor</div></div> <div><div></div><div>Neck flush to the profile front side</div></div> <div><div>Comments</div><div>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</div></div>		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.

Assembly hints

ACCESSORY	1.46.204.3876.1	Angle GD-Zn, 38x76, natural
	1.46.204.3876.2	Angle GD-Zn, 38x76, powder-coated
	1.46.204.4039.2	Angle GD-Zn, 40x39, powder-coated
	1.46.204.7476.2	Angle GD-Zn, 74x76, powder-coated
	1.46.204.3876A	Cover cap for angle GD-Zn, 38x76
	1.46.204.4039A	Cover cap for angle GD-Zn, 40x39
	1.46.204.7476A	Cover cap for angle GD-Zn, 74x76

<div></div> <div></div> <div>For mounting cross to the slot the noses can be broken off</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>	<p>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.</p>
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