

# Strut profiles



Strut profiles, 6 mm slot,  
20 mm modular dimension  
(p. 2-10)



Strut profiles, 8 mm slot,  
30 mm modular dimension  
(p. 2-15)



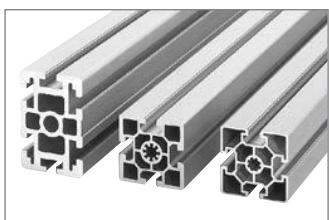
Strut profiles, 10 mm slot,  
40 mm modular dimension  
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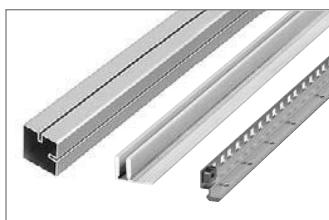
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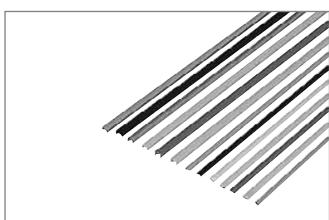
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## Strut profiles

With more than 120 strut profiles for all types of loading, Bosch Rexroth AG offers the widest product range for different demands:

- ▶ Square and rectangular profiles
- ▶ Light profiles with optimized cross-sections
- ▶ Round profiles and profiles with smooth lateral surfaces

Connectors with high load-bearing capacities combined with ultra robust slots and large central bores make profile connections possible which can handle high static and dynamic loads.

Bosch Rexroth AG offers you six different profile ranges. All profiles within one profile range have the same slot dimensions and spacing to ensure perfect coordination during construction.

Due to their high degree of robustness, the 10 mm slotted profiles are suitable for constructions ranging from tables to heavy machine frames. They are available in four profile series with a slot spacing of 40 mm, 45 mm, 50 mm, or 60 mm.

The profiles with 8 mm and 6 mm slots are used in the construction of lightweight equipment, partition walls, stands, or showcases.

### Profile length in profile packaging units (📦)

The stated length of the profile packaging units relates to the guaranteed usable length.

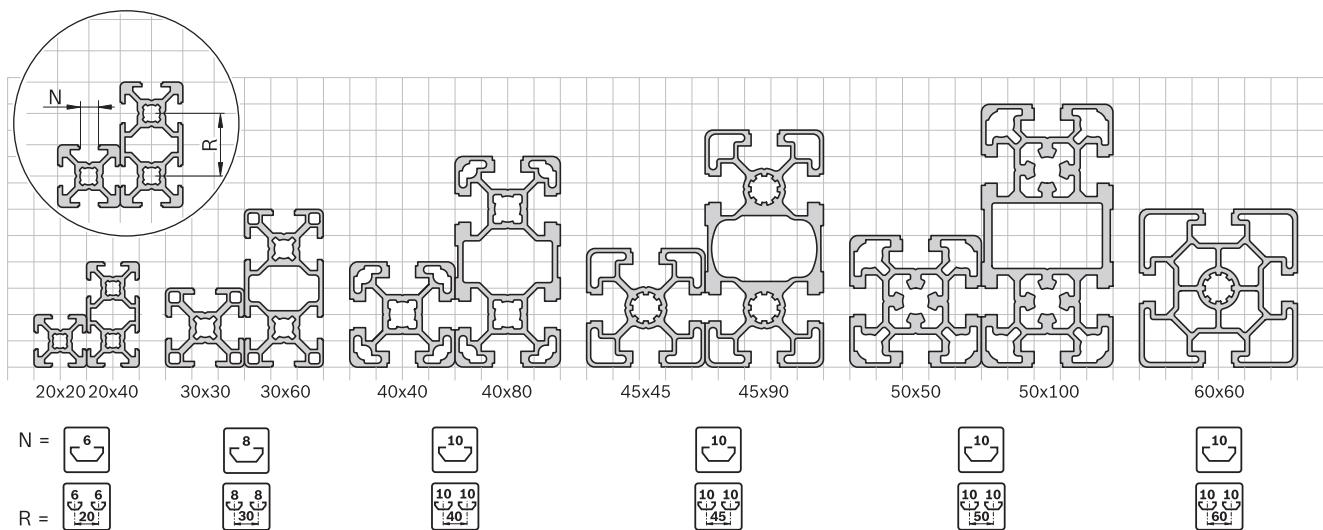
During anodizing as part of the manufacturing process bare areas which are approx. 30 mm long are left at each end of the profile (= contact areas), so the profiles are generally supplied incorporating an excess length of 100 mm.

Example:

45x45L	L (mm)	No.
20 pcs	6070	3 842 553 611

**Notice:** The length dimension "L" in the table equals the usable length, whereas the actual length is approx. 100 mm longer.

### Strut profiles – slot sizes and modular dimensions



Slot size N = 6 mm, 8 mm, 10 mm

Modular dimensions R = 20 mm, 30 mm, 40 mm, 45 mm, 50 mm, 60 mm

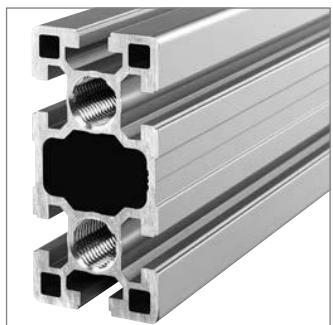
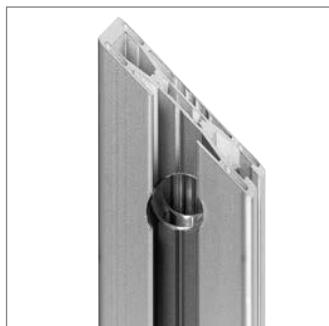
## Technical data – profiles

Profile	Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight m (kg/m)	Page
			A (cm <sup>2</sup> )	I <sub>x</sub> (cm <sup>4</sup> )	I <sub>y</sub> (cm <sup>4</sup> )	W <sub>x</sub> (cm <sup>3</sup> )	W <sub>y</sub> (cm <sup>3</sup> )	I <sub>t</sub> (cm <sup>4</sup> )		
20x20		6	1.6	0.7	0.7	0.7	0.7	0.08	0.17	0.4
20x20 1N		6	1.9	0.8	0.8	0.8	0.8	0.60	0.67	0.5
20x20 2N		6	1.8	0.7	0.8	0.7	0.8	0.31	0.52	0.5
20x20 2NVS		6	1.8	0.7	0.7	0.7	0.7	0.37	0.52	0.5
20x20 3N		6	1.7	0.7	0.8	0.7	0.7	0.19	0.34	0.5
20x20 R		6	1.6	0.6	0.6	0.5	0.5	0.21	0.39	0.4
20x40		6	2.9	4.6	1.2	2.5	1.4	0.68	0.91	0.8
20x60		6	3.5	14.2	1.7	4.7	1.7	2.30	2.00	0.9
20x40x40		6	4.2	6.0	6.0	2.6	2.6	1.50	1.30	1.1
10x40		6	2.1	3.2	0.2	1.6	0.4	–	–	0.6
30x30		8	3.1	2.8	2.8	1.8	1.8	0.29	0.33	0.9
30x30 1N		8	3.7	3.1	3.5	2.0	2.3	2.80	1.50	1.0
30x30 2N		8	3.5	2.8	3.5	2.1	2.7	1.50	1.20	1.0
30x30 2NVS		8	3.5	3.1	3.1	2.0	2.0	1.70	1.10	1.0
30x30 3N		8	3.3	3.1	2.8	2.3	2.1	0.86	0.73	0.9
30x30°		8	3.7	3.5	3.6	2.0	1.9	1.50	2.00	1.0
30x45°		8	4.0	3.6	5.1	2.1	2.3	2.10	2.40	1.1
30x60°		8	3.6	3.0	4.1	1.7	1.9	1.50	2.00	1.0
30x30 R		8	2.9	2.3	2.3	1.4	1.4	0.81	1.20	0.8
30x60		8	5.5	19.6	5.1	7.0	3.9	2.60	2.10	1.5
30x60 4N		8	5.8	20.2	5.5	6.7	3.8	4.80	2.40	1.6
30x60x60		8	8.2	26.2	26.2	7.6	7.6	6.40	3.60	2.2
30x90		8	7.7	60.7	7.3	13.5	4.9	5.10	3.80	2.1
30x120		8	9.9	136.3	9.6	22.7	6.4	7.60	5.60	2.7
30x45		8/10	4.0	8.1	3.9	3.9	2.9	1.30	1.30	1.1
60x60 8N		8	9.8	39.7	39.7	13.2	13.2	19.30	6.80	2.6
11x20		8	1.0	0.5	0.1	0.7	0.3	–	–	0.3
15x120		8	9.0	110.4	2.2	18.4	2.7	–	–	2.4
40x40L		10	5.6	9.1	9.1	4.5	4.5	1.30	0.74	1.5
40x40L 0N		10	6.3	10.4	10.4	5.2	5.2	10.70	4.30	1.7
40x40L 1N		10	6.1	9.8	10.3	4.7	5.1	6.90	3.70	1.7
40x40L 2N		10	6.0	9.0	10.3	4.5	5.2	4.00	3.00	1.6
40x40L 2NVS		10	6.0	9.7	9.7	4.9	4.9	4.50	2.70	1.6
40x40L 3N		10	5.8	9.7	9.0	4.8	4.5	2.60	1.70	1.6
40x30°		10	6.2	9.4	11.8	4.7	5.9	3.00	3.10	1.7
40x45°		10	6.8	9.9	16.6	5.0	8.3	4.20	3.70	1.8
40x60°		10	6.3	8.7	13.1	4.3	6.5	3.00	3.10	1.7
40x40L R		10	5.0	7.2	7.2	3.6	3.6	2.50	2.00	1.3
40x40 HR		10	5.5	8.1	7.6	4.0	3.6	4.60	2.80	1.5

Profile	Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight <b>m</b> (kg/m)	Page
			<b>A</b> (cm <sup>2</sup> )	<b>I<sub>x</sub></b> (cm <sup>4</sup> )	<b>I<sub>y</sub></b> (cm <sup>4</sup> )	<b>W<sub>x</sub></b> (cm <sup>3</sup> )	<b>W<sub>y</sub></b> (cm <sup>3</sup> )	<b>I<sub>t</sub></b> (cm <sup>4</sup> )		
<b>40x80L</b>		10	9.9	63.4	17.3	15.9	8.7	8.02	4.80	2.7 2-29
<b>40x80L 2N</b>		10	10.9	66.6	20.8	16.6	10.4	22.40	7.58	2.9 2-29
<b>40x80L 4N</b>		10	10.4	65.2	19.1	16.3	9.9	13.30	4.40	2.8 2-29
<b>40x80L 2NVS</b>		10	10.7	67.8	19.0	17.0	9.5	19.24	7.55	2.9 2-30
<b>40x80L 3NVS</b>		10	10.6	67.8	19.0	17.0	9.5	15.90	5.20	2.9 2-30
<b>40x80x80L</b>		10	15.4	96.6	96.6	24.2	24.2	19.60	9.80	4.2 2-30
<b>40x120L</b>		10	15.5	203.2	27.8	33.9	13.9	17.20	10.00	4.2 2-31
<b>40x160L</b>		10	20.5	466.7	37.2	58.3	18.6	25.80	14.60	5.5 2-31
<b>80x80L</b>		10	18.2	132.1	132.1	33.0	33.0	59.80	17.20	4.9 2-32
<b>80x80L 4N</b>		10	19.1	142.5	142.5	35.6	35.6	83.90	15.4	5.2 2-32
<b>80x80L 4NVS</b>		10	19.3	142.5	142.5	35.6	35.6	92.00	16.80	5.2 2-33
<b>80x80L 6N</b>		10	18.8	134.1	140.9	33.5	36.2	72.60	15.00	5.1 2-33
<b>40x120x120L</b>		10	24.6	318.0	318.0	42.2	42.2	37.10	19.00	6.7 2-33
<b>80x120L</b>		10	25.6	389.2	192.8	64.9	48.2	119.00	29.10	6.9 2-34
<b>80x160L</b>		10	32.9	850.7	253.4	106.3	63.4	182.00	41.10	8.9 2-34
<b>45x45L</b>		10	6.0	11.7	11.7	5.2	5.2	1.46	0.75	1.6 2-35
<b>45x45L 0N</b>		10	6.7	13.5	13.5	6.0	6.0	16.20	6.10	1.8 2-35
<b>45x45L 1N</b>		10	6.5	12.6	13.5	5.5	6.0	10.00	5.20	1.8 2-36
<b>45x45L 2N</b>		10	6.4	11.6	13.5	5.2	6.0	5.50	4.30	1.7 2-36
<b>45x45L 2NVS</b>		10	6.4	12.6	12.6	5.6	5.6	6.30	3.80	1.7 2-36
<b>45x45L 3N</b>		10	6.2	12.6	11.7	5.4	5.2	3.40	2.40	1.7 2-37
<b>45x30°</b>		10	6.9	12.7	15.2	5.0	5.3	6.60	5.70	1.9 2-37
<b>45x45°</b>		10	7.6	13.4	21.4	5.2	6.4	9.00	6.80	2.0 2-37
<b>45x60°</b>		10	6.8	11.4	16.9	4.4	5.2	6.80	4.30	1.8 2-38
<b>45x45L R</b>		10	4.9	8.6	8.6	5.0	5.0	3.30	2.80	1.3 2-38
<b>45x45HR</b>		10	6.6	11.0	10.7	4.4	4.8	7.60	3.40	1.8 2-38
<b>45x45</b>		10	7.5	13.8	13.8	6.1	6.1	2.65	0.96	2.0 2-39
<b>45x60</b>		10	11.0	37.2	22.7	12.4	10.1	6.70	4.09	3.0 2-40

Profile	Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight	Page	
			A (cm <sup>2</sup> )	I <sub>x</sub> (cm <sup>4</sup> )	I <sub>y</sub> (cm <sup>4</sup> )	W <sub>x</sub> (cm <sup>3</sup> )	W <sub>y</sub> (cm <sup>3</sup> )	I <sub>t</sub> (cm <sup>4</sup> )	W <sub>t</sub> (cm <sup>3</sup> )		
45x90SL		10	9.0	73.4	18.1	16.3	8.0	8.57	4.00	2.4	2-40
45x90L		10	11.3	82.0	23.6	18.2	10.5	15.10	4.40	3.0	2-41
45x90L 2N		10	12.0	26.9	85.6	6.0	38.1	31.70	7.70	3.2	2-41
45x90L 2NVS		10	12.0	25.9	90.6	5.7	40.3	23.34	9.65	3.3	2-42
45x90L 3NVS		10	11.8	87.2	25.2	38.8	5.6	25.70	6.60	3.2	2-42
45x90		10	15.4	124.6	32.8	27.7	14.6	15.40	6.61	4.2	2-43
45x180		10	25.5	766.7	57.3	85.2	25.5	44.40	17.00	6.9	2-43
45x270		10	61.9	3962.0	118.0	300.2	61.6	-	-	16.7	2-44
45x90x90L		10	21.2	152.1	152.1	19.1	19.1	34.90	11.60	5.7	2-44
45x90x90L 4N		10	22.1	160.8	160.8	30.6	30.6	65.30	17.20	6.0	2-45
90x90SL		10	14.1	130.2	130.2	28.9	28.9	42.50	13.90	3.8	2-45
90x90L		10	24.1	211.1	211.1	46.9	46.9	82.10	20.10	6.5	2-45
90x90L 4N		10	24.2	227.4	214.7	50.5	47.7	122.00	22.20	6.5	2-46
90x90L 4NVS		10	24.2	220.9	220.9	49.2	49.2	127.00	22.00	6.5	2-46
90x90		10	38.4	299.8	299.8	66.7	66.7	118.60	26.00	10.4	2-46
90x180L		10	42.8	1380.0	401.0	153.3	89.1	257.00	47.10	11.6	2-47
90x180		10	63.6	2138.3	544.3	237.6	121.0	429.00	64.00	17.2	2-47
90x360		10	90.2	14065.0	710.0	781.4	157.7	937.10	117.60	24.4	2-48
15x22.5		10	1.3	0.8	0.3	0.9	0.6	-	-	0.3	2-48
15x180		10	11.6	321.7	3.2	35.7	4.2	-	-	3.1	2-49
22.5x45		10	4.7	7.1	2.9	3.2	2.6	-	-	1.3	2-49
22.5x180		10	21.6	581.0	11.8	66.8	14.7	-	-	5.8	2-49
50x50L		10	9.3	21.2	21.2	8.5	8.5	5.37	4.30	2.5	2-50
50x100L		10	17.2	162.8	42.6	32.6	17.0	29.43	10.70	4.6	2-50
50x150L		10	25.8	540.0	64.2	72.0	25.7	52.10	20.50	6.9	2-51
100x100L		10	29.9	318.3	318.3	63.7	63.7	153.53	31.40	8.1	2-51
100x200L		10	54.0	2133.1	602.1	213.3	120.4	421.00	75.70	14.6	2-52

Profile	Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight <b>m</b> (kg/m)	Page
			<b>A</b> (cm <sup>2</sup> )	<b>I<sub>x</sub></b> (cm <sup>4</sup> )	<b>I<sub>y</sub></b> (cm <sup>4</sup> )	<b>W<sub>x</sub></b> (cm <sup>3</sup> )	<b>W<sub>y</sub></b> (cm <sup>3</sup> )	<b>I<sub>t</sub></b> (cm <sup>4</sup> )		
<b>60x60L</b>		10	9.6	32.4	32.4	10.8	10.8	13.20	8.70	2.6 2-52
<b>60x60</b>		10	14.4	52.2	52.2	17.4	17.4	15.90	8.80	3.9 2-53
<b>60x90</b>		10	25.8	214.2	90.5	47.6	30.2	45.80	18.00	7.0 2-53
<b>50x50</b> Rectangular tube		10	4.5	15.1	15.1	5.7	5.7	-	-	1.2 2-54
<b>Frame profile 22.5x30</b>		10	3.2	1.7	3.0	1.5	2.0	-	-	0.9 2-57
<b>Frame profile 22.5x45</b>		10	3.4	6.7	1.7	2.8	1.3	-	-	0.9 2-58
<b>Angle profile</b>		10	4.5	8.8	6.9	3.2	2.3	-	-	1.2 2-59
<b>Suspension profile</b>		10	2.0	2.0	0.5	2.7	0.3	-	-	0.6 2-60
<b>30x100 L/R Grooved plate</b>		10	9.7	88.8	9.2	17.8	6.0	-	-	2.6 2-62
<b>30x100 M Grooved plate</b>		10	9.7	88.8	9.2	17.8	6.0	-	-	2.6 2-62
<b>Profile rail 30x45C</b>		10	4.4	10.3	5.6	4.2	3.7	-	-	1.2 2-65
<b>U-profile</b>		10	4.4	10.4	8.3	4.6	4.1	-	-	1.2 2-66
<b>SP 2/R</b>		8	5.2	4.3	11.7	2.4	5.2	-	-	1.4 2-66
<b>SP 2/B</b>		10	10.4	49.6	25.8	12.1	11.5	-	-	2.8 2-67
<b>SP 2/B-50</b>		8/10	6.9	16.1	16.9	5.3	7.5	-	-	1.9 2-67
<b>SP 2/B-100</b>		10	11.9	95.1	30.4	20.0	13.5	-	-	3.2 2-67
<b>SP 2/BH</b>		10	12.4	53.7	28.6	14.0	13.8	-	-	3.3 2-68
<b>SP 4/R</b>		10	26.1	222.0	95.5	84.9	16.4	-	-	3.5 2-68
<b>D28</b>			2.4	1.5	1.5	1.1	1.1	-	-	0.7 2-70
<b>D28x55</b>			5.9	3.2	88.3	2.3	32.1	-	-	1.6 2-71
<b>D28L</b>			1.8	1.3	1.3	1.0	1.0	-	-	0.5 2-74
<b>D28L; N10</b>			2.6	1.2	2.0	0.8	1.4	-	-	0.7 2-74
<b>Section profile MV45x45</b>		10	6.2	11.8	10.5	5.3	4.7	-	-	1.7 12-27
<b>30x30 WG30</b>		8	3.2	2.5	3.0	1.6	1.9	-	-	0.9 10-9
<b>30x30 WG40</b>		8	3.2	2.4	2.9	1.5	1.8	-	-	0.9 10-9
<b>30x45 WG30</b>		8	4.5	7.3	4.2	3.2	2.7	-	-	1.2 10-9
<b>30x45 WG40</b>		8	4.5	6.9	4.1	4.3	1.8	-	-	1.2 10-9



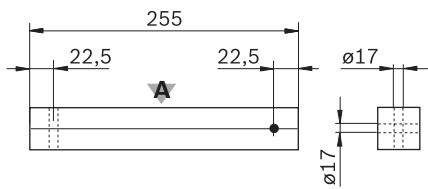
## Profile finishing

Profile finishing is required whenever interlocking connectors are used. Bores must be added for bolt connectors or threads cut in central bores, for example. This requires machining with standard dimensions. However, individual customer requirements can only be satisfied by customized profile finishing for all points along the profile.

Rexroth enables even these complex requirements to be met as standard. This is because we offer three options for ordering the right profile finishing:

### Example: 40x40L

3 842 993 126 / 255 D17 D17V



00133799

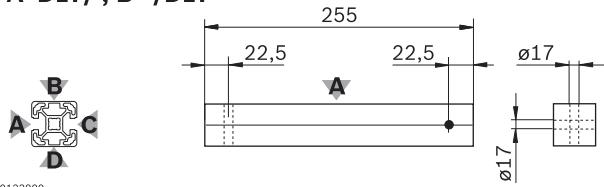
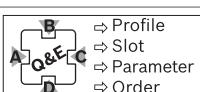
### Standard profile finishing with fixed material numbers

For certain profiles, you can receive selected profile finishing with a fixed material number. This is the easiest way to order the appropriate profile finishing for our proven interlocking profile connectors.

The available profile finishing is shown in pictograms in the order tables.

### Example: 40x40L 2N

3 842 993 720 / 255 /  
A=D17/-; B=-/D17



00133800

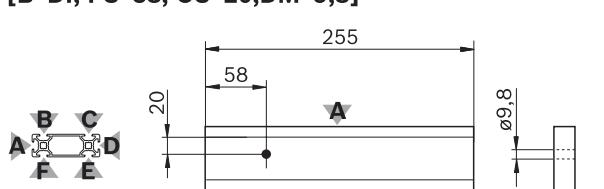
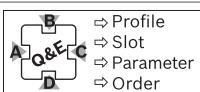
### Quick & Easy – standard profile finishing

All profile finishing with standard dimensions: available for all profiles thanks to simple configuration with Quick & Easy.

For more information on the available profile finishing, see page 18-2 and following as well as the fold-out section at the end of the catalog.

### Example: 20x60

3 842 993 698 / 255 /  
[B=DI; PS=58; OS=20; DM=9,8]



00133801

### Quick & Easy – individual profile finishing

Get the greatest possible flexibility in defining your profile finishing. Individual finishing options can be achieved in virtually any combination and nearly every point along the profile.

For more information, see page 18-2 and following as well as the fold-out section at the end of the catalog.



## eShop and MTpro – software tools for designers, planners, and purchasers

Quick & Easy is supported by Rexroth's eShop and the MTpro profile configurator.

We offer:

- ▶ Customer-friendly configuration
- ▶ Generation of 3D CAD models for designers
- ▶ Drawings at the press of a button
- ▶ Integration of frames/profiles in layouts
- ▶ Easy ordering at the click of a mouse

**45x90L**  
**3 842 993 662**

**3 842 993 662** / 393 / B = D17/-

Material number	Length	Standard finish
		Through-hole D17 in slot B

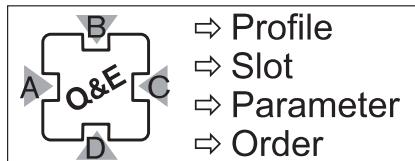
## Quick & Easy – four steps for simple ordering

The type of profile finishing is defined in an order key; all finishes for a profile can be summarized in one order key.

1. Select profile cross-section and length
2. Specify slot for finishing:  
all profile slots are identified by letters (A; B; C; ...)  
– ascending in clockwise direction (see profile dimension drawings)
3. Define the parameters:
  - Type of finishing (drilling, milling, miter cutting)
  - Distance from profile end
4. Place order:  
Conventionally by fax or, preferably online in our eShop

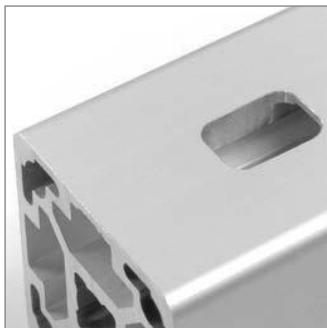
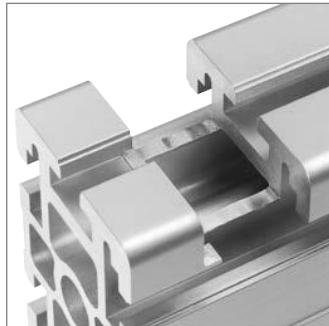
### Logical structure of the order key

Material number / length / [slot designation = finishing; parameter set]



### Notice:

For a detailed description of the order key, please refer to page 18-2ff



## Profile finishing

Rexroth offers you numerous connection options for putting strut profiles together.

The wide variety of connector types is due to the differing demands made of the applications:

- ▶ Right-angled
- ▶ Variable-angle
- ▶ Internal
- ▶ Torsion-resistant
- ▶ Vibration-resistant
- ▶ With or without profile finishing

If you require a finished profile, it can be provided for you in an installation-ready form.

When you select the corresponding material number the profile is provided in cut, burr-free form, or alternatively fully finished with drilled holes or threads.

This eliminates risk for you and reduces your production workload.

If you wish to undertake the finishing yourself, here are a few tips:

### Saw and saw blade

Segmental metal circular saw blade, carbide-tipped

Number of teeth: 92 or 96

Rotational speed: at least 2500 rpm

### Finishing of central holes

As a rule, the threads can be directly formed and cut, but countersinks facilitate their production. The central holes of the strut profiles are designed for the following thread manufacturing processes.

Threads	Finishing	Notices
M6	Thread forming	–
M8	Thread forming	–
M12	Thread cutting	–
M16	Thread forming	pre-drilling in some cases

### Drilling jigs

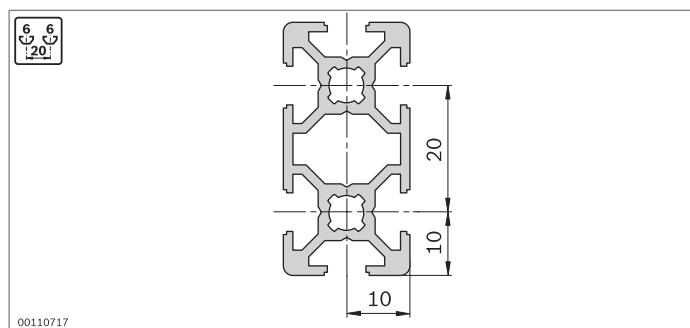
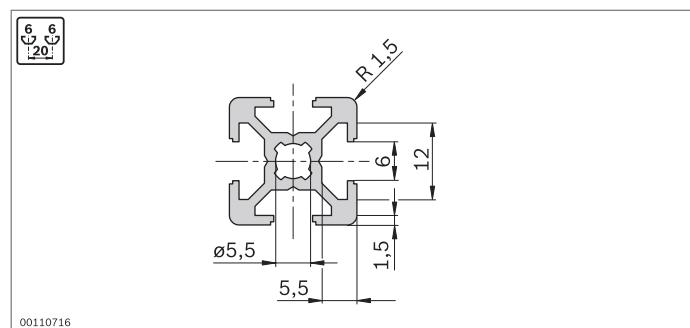
In the tools section you will find useful drilling jigs for the Rexroth standard finishes (p. 14-2).

## Strut profiles with 6 mm slot

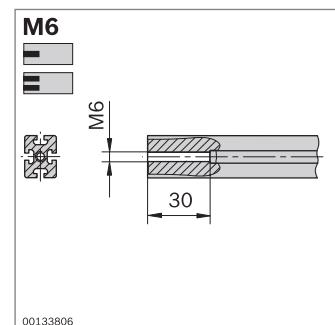
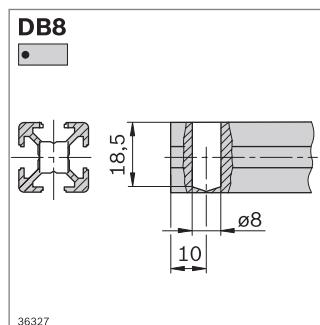
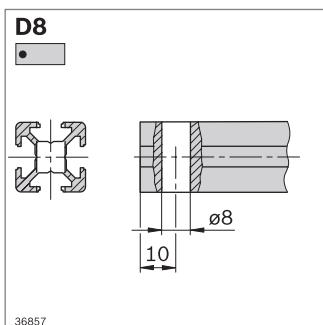
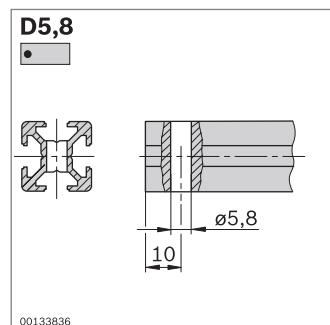
Strut profiles with 6 mm slot for light structures, suchas supports and lab fixtures.

The 20x40 and 20x60 profiles are especially suitable for reinforcing; the 20x40x40 profile is suitable for constructing showcases, flow racks, and enclosures.

### Slot, modular dimensions, central bore



### Profile finishing



### Minimum profile lengths (mm) for Quick & Easy standard profile finishing on one or both sides

	-	M6	D5.8	D8/DB8
-	50	50	50	50
<b>M6</b>	50	70	50	70
<b>D5.8</b>	50	50	50	50
<b>D8/DB8</b>	50	70	50	50

### Reduced maximum profile lengths $L_{max,i}$ at customized profile finishing

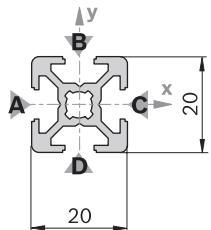
$L_{max}$ (mm)	$L_{max,i}$ (mm)
6070	5400
3000	2300
2000	1300

**20x20**

$A = 1,6 \text{ cm}^2$   
 $I_x = 0,7 \text{ cm}^4$   
 $I_y = 0,7 \text{ cm}^4$   
 $W_x = 0,7 \text{ cm}^3$   
 $W_y = 0,7 \text{ cm}^3$   
 $m = 0,4 \text{ kg/m}$



19168

**Cover cap**

Cover cap	Color	ESD	No.
20x20 (1x)	Signal gray	100	3 842 548 742
20x20 (1x)	Black	20	3 842 548 743

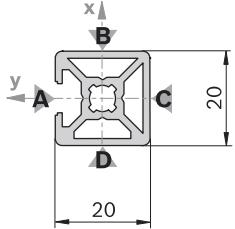
Material: PP

**20x20 1N**

$A = 1,9 \text{ cm}^2$   
 $I_x = 0,8 \text{ cm}^4$   
 $I_y = 0,8 \text{ cm}^4$   
 $W_x = 0,8 \text{ cm}^3$   
 $W_y = 0,8 \text{ cm}^3$   
 $m = 0,5 \text{ kg/m}$



19169



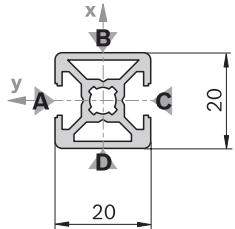
Cover cap: see 20x20

**20x20 2N**

$A = 1,8 \text{ cm}^2$   
 $I_x = 0,7 \text{ cm}^4$   
 $I_y = 0,8 \text{ cm}^4$   
 $W_x = 0,7 \text{ cm}^3$   
 $W_y = 0,8 \text{ cm}^3$   
 $m = 0,5 \text{ kg/m}$



19170



Cover cap: see 20x20

**20x20**

	L (mm)	No.
1 pc	50 ... 3000	3 842 992 888 / L
1 pc M6	50 ... 3000	3 842 993 230 / L
1 pc M6 M6	70 ... 3000	3 842 993 231 / L
1 pc M6 D8	70 ... 3000	3 842 993 494 / L
1 pc D8	50 ... 3000	3 842 993 493 / L
1 pc D8 D8	50 ... 3000	3 842 993 495 / L
1 pc D8 D8V	50 ... 3000	3 842 993 496 / L
20 pcs	3000	3 842 517 179

**Quick & Easy** (p. 2-7, see fold-out section)

20x20	3 842 993 694 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6 / D5.8 / D8 / DB8
Customized profile finishing ( $L_{\max i} = 2300 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 335 / 370 \text{ mm}$ **20x20 1N**

	L (mm)	No.
1 pc	50 ... 3000	3 842 993 421 / L
20 pcs	3000	3 842 536 475

**Quick & Easy** (p. 2-7, see fold-out section)

20x20 1N	3 842 993 690 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6 / D5.8 / D8 / DB8
Customized profile finishing ( $L_{\max i} = 2300 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 335 / 370 \text{ mm}$ **20x20 2N**

	L (mm)	No.
1 pc	50 ... 3000	3 842 993 422 / L
20 pcs	3000	3 842 536 478

**Quick & Easy** (p. 2-7, see fold-out section)

20x20 2N	3 842 993 691 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6 / D5.8 / D8 / DB8
Customized profile finishing ( $L_{\max i} = 2300 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

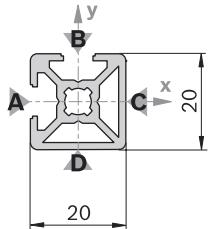
<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 335 / 370 \text{ mm}$

**20x20 2NVS**

A = 1,8 cm<sup>2</sup>  
 I<sub>x</sub> = 0,7 cm<sup>4</sup>  
 I<sub>y</sub> = 0,7 cm<sup>4</sup>  
 W<sub>x</sub> = 0,7 cm<sup>3</sup>  
 W<sub>y</sub> = 0,7 cm<sup>3</sup>  
 m = 0,5 kg/m



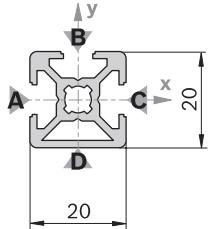
Cover cap: see 20x20

**20x20 3N**

A = 1,7 cm<sup>2</sup>  
 I<sub>x</sub> = 0,7 cm<sup>4</sup>  
 I<sub>y</sub> = 0,8 cm<sup>4</sup>  
 W<sub>x</sub> = 0,7 cm<sup>3</sup>  
 W<sub>y</sub> = 0,7 cm<sup>3</sup>  
 m = 0,5 kg/m



Cover cap: see 20x20

**20x20 R**

A = 1,6 cm<sup>2</sup>  
 I<sub>x</sub> = 0,6 cm<sup>4</sup>  
 I<sub>y</sub> = 0,6 cm<sup>4</sup>  
 W<sub>x</sub> = 0,5 cm<sup>3</sup>  
 W<sub>y</sub> = 0,5 cm<sup>3</sup>  
 m = 0,4 kg/m

**Cover cap**

Cover cap	Color	ESD	No.
20x20 R (1x)	Signal gray	20	3 842 548 826
20x20 R (1x)	Black	20	3 842 548 827

Material: PP

**20x20 2NVS****L (mm) No.**

1 pc		50 ... 3000	3 842 992 924 / L
20 pcs		3000	3 842 519 658

**Quick & Easy** (p. 2-7, see fold-out section)**20x20 2NVS** **3 842 993 692 / ....**

Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6 / D5.8 / D8 / DB8

Customized profile finishing (L <sub>max i</sub> = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>
--	--

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 335 / 370 mm**20x20 3N****L (mm) No.**

1 pc		50 ... 3000	3 842 992 889 / L
20 pcs		3000	3 842 517 180

**Quick & Easy** (p. 2-7, see fold-out section)**20x20 3N** **3 842 993 693 / ...**

Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6 / D5.8 / D8 / DB8

Customized profile finishing (L <sub>max i</sub> = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>
--	--

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 335 / 370 mm**20x20 R****L (mm) No.**

1 pc		50 ... 3000	3 842 992 890 / L
20 pcs		3000	3 842 517 183

**Quick & Easy** (p. 2-7, see fold-out section)**20x20 R** **3 842 993 695 / ....**

Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6

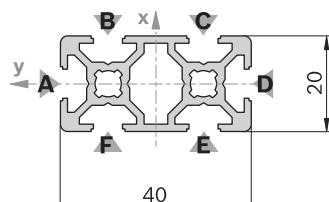
Customized profile finishing (L <sub>max i</sub> = 2300 mm)	–
--	---

**20x40**

A = 2,9 cm<sup>2</sup>  
 I<sub>x</sub> = 4,6 cm<sup>4</sup>  
 I<sub>y</sub> = 1,2 cm<sup>4</sup>  
 W<sub>x</sub> = 2,5 cm<sup>3</sup>  
 W<sub>y</sub> = 1,4 cm<sup>3</sup>  
 m = 0,8 kg/m



19174

**Cover cap**

Cover cap	Color	ESD	No.
20x20 (2x)	Signal gray	100	3 842 548 742
20x20 (2x)	Black	20	3 842 548 743

Material:

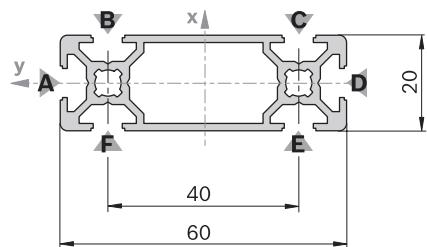
PP

**20x60**

A = 3,5 cm<sup>2</sup>  
 I<sub>x</sub> = 14,2 cm<sup>4</sup>  
 I<sub>y</sub> = 1,7 cm<sup>4</sup>  
 W<sub>x</sub> = 4,7 cm<sup>3</sup>  
 W<sub>y</sub> = 1,7 cm<sup>3</sup>  
 m = 0,9 kg/m



19175

**Cover cap**

Cover cap	Color	ESD	No.
20x60 (1x)	Signal gray	20	3 842 548 828
20x60 (1x)	Black	20	3 842 548 829

Material:

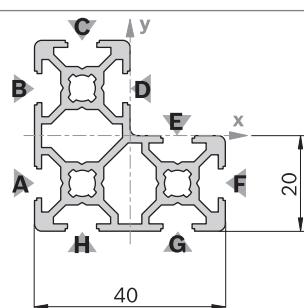
PP

**20x40x40**

A = 4,2 cm<sup>2</sup>  
 I<sub>x</sub> = 6,0 cm<sup>4</sup>  
 I<sub>y</sub> = 6,0 cm<sup>4</sup>  
 W<sub>x</sub> = 2,6 cm<sup>3</sup>  
 W<sub>y</sub> = 2,6 cm<sup>3</sup>  
 m = 1,1 kg/m



19176

**Cover cap**

Cover cap	Color	ESD	No.
20x20 (3x)	Signal gray	100	3 842 548 742
20x20 (3x)	Black	20	3 842 548 743

Material:

PP

**20x40**

	L (mm)	No.
1 pc	50 ... 3000	3 842 992 891 / L
1 pc D8	50 ... 3000	3 842 993 497 / L
1 pc D8 : D8	50 ... 3000	3 842 993 499 / L
1 pc D8 : D8V	50 ... 3000	3 842 993 500 / L
1 pc D8V	50 ... 3000	3 842 993 498 / L
1 pc D8V : D8V	50 ... 3000	3 842 993 501 / L
24 pcs	3000	3 842 537 816

Profile finishing:  
 D8: in slots B/F, C/E  
 D8V: in slots A/D

**Quick & Easy** (p. 2-7, see fold-out section)

20x40	3 842 993 696 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6 / D5.8 / D8 / DB8
Customized profile finishing (L <sub>max,i</sub> = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1</sup>
<sup>1)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 370 / 440 mm	

**20x60**

	L (mm)	No.
1 pc	50 ... 3000	3 842 992 992 / L
16 pcs	3000	3 842 537 819

**Quick & Easy** (p. 2-7, see fold-out section)

20x60	3 842 993 698 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6 / D5.8 (B,C,E,F) <sup>1</sup> / D8 (B,C,E,F) <sup>1</sup> / DB8
Customized profile finishing (L <sub>max,i</sub> = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>2</sup>
<sup>1)</sup> For the specified slots	
<sup>2)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 404 / 508 mm	

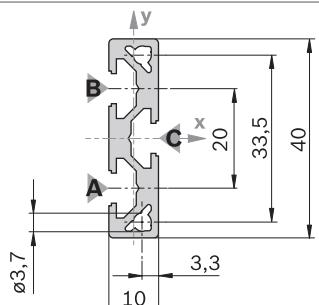
**20x40x40**

	L (mm)	No.
1 pc	50 ... 3000	3 842 992 991 / L
16 pcs	3000	3 842 537 818

**Quick & Easy** (p. 2-7, see fold-out section)

20x40x40	3 842 993 697 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	M6 / D5.8 / D8 / DB8
Customized profile finishing (L <sub>max,i</sub> = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1</sup>
<sup>1)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 370 / 440 mm	

**10x40**  
 $A = 2,1 \text{ cm}^2$   
 $I_x = 3,2 \text{ cm}^4$   
 $I_y = 0,2 \text{ cm}^4$   
 $W_x = 1,6 \text{ cm}^3$   
 $W_y = 0,4 \text{ cm}^3$   
 $m = 0,6 \text{ kg/m}$



Cover cap	Color	ESD	No.
<b>10x40 (1x)</b>	Signal gray	20	<b>3 842 548 766</b>
<b>10x40 (1x)</b>	Black	20	<b>3 842 548 767</b>

Material: PP

<b>10x40</b>		L (mm)	No.
1 pc		50 ... 3000	<b>3 842 993 077 / L</b>
10 pcs		3000	<b>3 842 526 817</b>

#### Quick & Easy (p. 2-7, see fold-out section)

<b>10x40</b>	<b>3 842 993 683 / ...</b>
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-10)	D5.8 / D8
Customized profile finishing	—

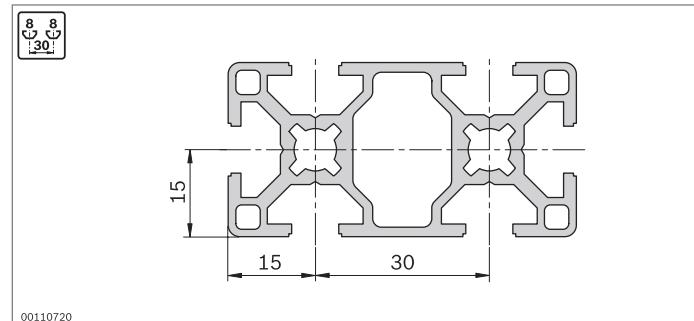
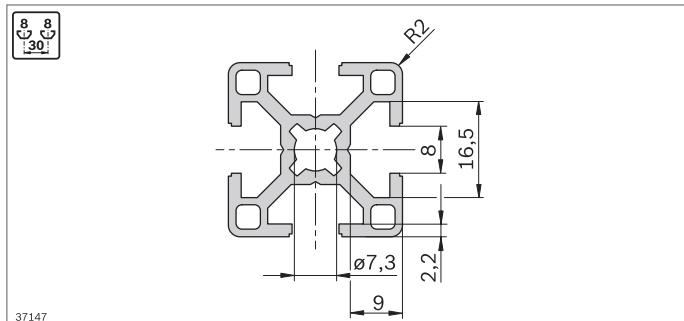
# Strut profiles with 8 mm slot

Strut profiles with a 8 mm slot are suitable for medium loads, such as material shuttles, light fixtures, frames and partition walls.

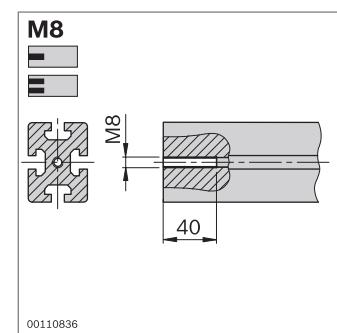
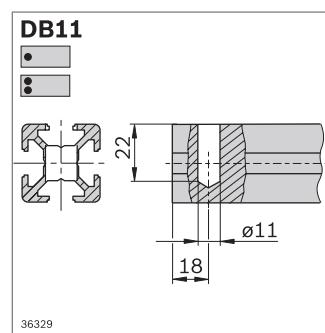
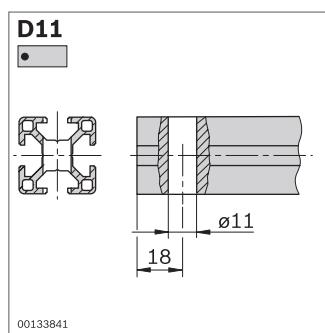
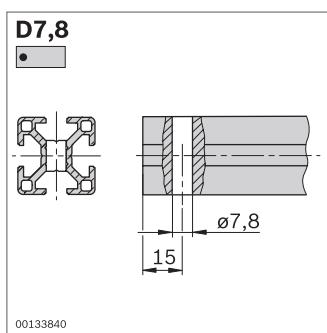
Profile 30x60x60 is suitable for constructing showcases and flow racks.

Attractive covers and hoods can be designed with radius profiles.

## Slot, modular dimensions, central bore



## Profile finishing



## Minimum profile lengths (mm) for Quick & Easy standard profile finishing on one or both sides

	-	M8	D7.8	D11/DB11
-	50	50	50	50
<b>M8</b>	50	80	62	70
<b>D7.8</b>	50	62	60	50
<b>D11/DB11</b>	50	70	50	60

## Reduced maximum profile lengths $L_{max,i}$ at customized profile finishing

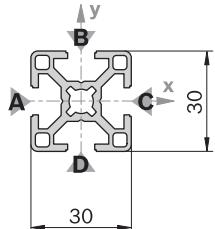
$L_{max}$ (mm)	$L_{max,i}$ (mm)
6070	5400
3000	2300
2000	1300

**30x30**

A = 3,1 cm<sup>2</sup>  
 l<sub>x</sub> = 2,8 cm<sup>4</sup>  
 l<sub>y</sub> = 2,8 cm<sup>4</sup>  
 W<sub>x</sub> = 1,8 cm<sup>3</sup>  
 W<sub>y</sub> = 1,8 cm<sup>3</sup>  
 m = 0,9 kg/m



19178



Cover cap	Color	ESD	No.
30x30 (1x)	Signal gray	100	3 842 548 744
30x30 (1x)	Black	20	3 842 548 745

Material: PP

Cover cap with hole	Color	ESD	No.
30x30 (1x)	Signal gray	20	3 842 548 774
30x30 (1x)	Black	20	3 842 548 775

Material: PP

Cover cap ZN	ESD	No.	FS
30x30-ZN	20	3 842 518 204	FS1

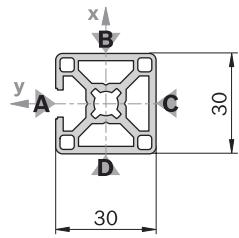
Material: Cover cap: Diecast zinc  
 Fastening material: Steel; galvanized

**30x30 1N**

A = 3,7 cm<sup>2</sup>  
 l<sub>x</sub> = 3,1 cm<sup>4</sup>  
 l<sub>y</sub> = 3,5 cm<sup>4</sup>  
 W<sub>x</sub> = 2,0 cm<sup>3</sup>  
 W<sub>y</sub> = 2,3 cm<sup>3</sup>  
 m = 1,0 kg/m



19179



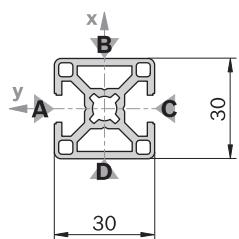
Cover cap: see 30x30

**30x30 2N**

A = 3,5 cm<sup>2</sup>  
 l<sub>x</sub> = 2,8 cm<sup>4</sup>  
 l<sub>y</sub> = 3,5 cm<sup>4</sup>  
 W<sub>x</sub> = 2,1 cm<sup>3</sup>  
 W<sub>y</sub> = 2,7 cm<sup>3</sup>  
 m = 1,0 kg/m



19180



Cover cap: see 30x30

	L (mm)	No.
1 pc	50 ... 6070	3 842 990 720 / L
1 pc	50 ... 6000	3 842 990 721 / L
1 pc	80 ... 6000	3 842 990 723 / L
1 pc	70 ... 6000	3 842 990 724 / L
1 pc	60 ... 6000	3 842 992 965 / L
1 pc	50 ... 6000	3 842 990 722 / L
1 pc	60 ... 6000	3 842 990 725 / L
1 pc	60 ... 6000	3 842 990 726 / L
20 pcs	6070	3 842 557 206

**Quick & Easy** (p. 2-7, see fold-out section)

30x30	3 842 993 703 / ...
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Length L (mm) 50 ... 6070  
 Standard profile finishing L<sub>max</sub> = 6000 mm M8 / D7.8 / D11 / DB11  
 (note minimum length, p. 2-15)

Customized profile finishing DI / DIS / MT / MTS /  
 (L<sub>max i</sub> = 5400 mm) MI / MIS / DG<sup>1)</sup>

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 352 / 404 mm

**FS1**

DIN 7991

M4x16

30x30 1N	L (mm)	No.
1 pc	50 ... 6070	3 842 992 397 / L
20 pcs	6070	3 842 557 208

**Quick & Easy** (p. 2-7, see fold-out section)

30x30 1N	3 842 993 704 / ...
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Length L (mm) 50 ... 6070  
 Standard profile finishing L<sub>max</sub> = 6000 mm M8 / D7.8 / D11 / DB11  
 (note minimum length, p. 2-15)

Customized profile finishing DI / DIS / MT / MTS /  
 (L<sub>max i</sub> = 5400 mm) MI / MIS / DG<sup>1)</sup>

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 352 / 404 mm

30x30 2N	L (mm)	No.
1 pc	50 ... 6070	3 842 992 399 / L
20 pcs	6070	3 842 557 220

**Quick & Easy** (p. 2-7, see fold-out section)

30x30 2N	3 842 993 705 / ...
----------	---------------------

Length L (mm) 50 ... 6070  
 Standard profile finishing L<sub>max</sub> = 6000 mm M8 / D7.8 / D11 / DB11  
 (note minimum length, p. 2-15)

Customized profile finishing DI / DIS / MT / MTS /  
 (L<sub>max i</sub> = 5400 mm) MI / MIS / DG<sup>1)</sup>

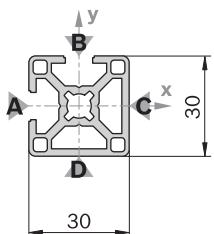
<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 352 / 404 mm

**30x30 2NVS**

$A = 3,5 \text{ cm}^2$   
 $I_x = 3,1 \text{ cm}^4$   
 $I_y = 3,1 \text{ cm}^4$   
 $W_x = 2,0 \text{ cm}^3$   
 $W_y = 2,0 \text{ cm}^3$   
 $m = 1,0 \text{ kg/m}$



19181



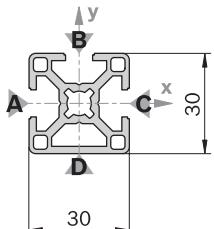
Cover cap: see 30x30

**30x30 3N**

$A = 3,3 \text{ cm}^2$   
 $I_x = 3,1 \text{ cm}^4$   
 $I_y = 2,8 \text{ cm}^4$   
 $W_x = 2,3 \text{ cm}^3$   
 $W_y = 2,1 \text{ cm}^3$   
 $m = 0,9 \text{ kg/m}$



19182



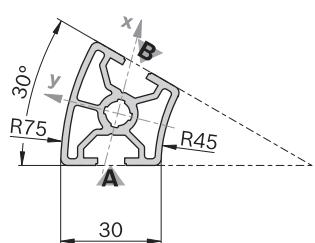
Cover cap: see 30x30

**30x30°**

$A = 3,7 \text{ cm}^2$   
 $I_x = 3,5 \text{ cm}^4$   
 $I_y = 3,6 \text{ cm}^4$   
 $W_x = 2,0 \text{ cm}^3$   
 $W_y = 1,9 \text{ cm}^3$   
 $m = 1,0 \text{ kg/m}$



19183



Cover cap	Color	ESD	No.
30x30° (1x)	Signal gray	20	3 842 551 008
30x30° (1x)	Black	20	3 842 551 009

Material: PP

**30x30 2NVS**

L (mm)	No.
1 pc	50 ... 6070 3 842 992 398 / L
20 pcs	6070 3 842 557 209

**Quick & Easy** (p. 2-7, see fold-out section)**30x30 2NVS** **3 842 993 706 / ...**

Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-15)	M8 / D7.8 / D11 / DB11

Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1</sup>
--	---

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 352 / 404 \text{ mm}$ **30x30 3N**

L (mm)	No.
1 pc	50 ... 6070 3 842 992 400 / L
20 pcs	6070 3 842 557 221

**Quick & Easy** (p. 2-7, see fold-out section)**30x30 3N** **3 842 993 707 / ...**

Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-15)	M8 / D7.8 / D11 / DB11

Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1</sup>
--	---

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 352 / 404 \text{ mm}$ **30x30°**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 010 / L
20 pcs	6070 3 842 557 951

**Quick & Easy** (p. 2-7, see fold-out section)**30x30°** **3 842 993 708 / ...**

Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-15)	M8

Customized profile finishing

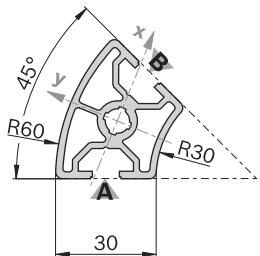
—

**30x45°**

A = 4,0 cm<sup>2</sup>  
 I<sub>x</sub> = 3,6 cm<sup>4</sup>  
 I<sub>y</sub> = 5,1 cm<sup>4</sup>  
 W<sub>x</sub> = 2,1 cm<sup>3</sup>  
 W<sub>y</sub> = 2,3 cm<sup>3</sup>  
 m = 1,1 kg/m

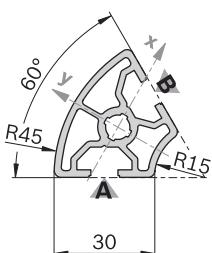


19184

**Cover cap**

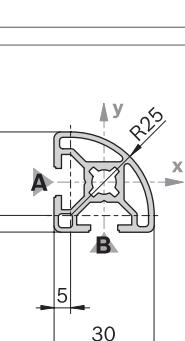
Cover cap	Color	ESD	No.
30x45° (1x)	Signal gray	20	3 842 551 010
30x45° (1x)	Black	20	3 842 551 011

Material:

**Cover cap**

Cover cap	Color	ESD	No.
30x60° (1x)	Signal gray	20	3 842 551 012
30x60° (1x)	Black	20	3 842 551 013

Material:



19186

**30x30 R**

A = 2,9 cm<sup>2</sup>  
 I<sub>x</sub> = 2,3 cm<sup>4</sup>  
 I<sub>y</sub> = 2,3 cm<sup>4</sup>  
 W<sub>x</sub> = 1,4 cm<sup>3</sup>  
 W<sub>y</sub> = 1,4 cm<sup>3</sup>  
 m = 0,8 kg/m

Cover cap	Color	ESD	No.
30x30 R (1x)	Signal gray	20	3 842 548 776
30x30 R (1x)	Black	20	3 842 548 777

Material:

PP

**30x45°**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 011 / L
20 pcs	6070 3 842 557 952

**Quick & Easy** (p. 2-7, see fold-out section)

30x45°	3 842 993 711 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm M8  
(note minimum length, p. 2-15)

Customized profile finishing —

**30x60°**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 012 / L
20 pcs	6070 3 842 557 953

**Quick & Easy** (p. 2-7, see fold-out section)

30x60°	3 842 993 714 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm M8  
(note minimum length, p. 2-15)

Customized profile finishing —

**30x30 R**

L (mm)	No.
1 pc	50 ... 6070 3 842 992 896 / L
20 pcs	6070 3 842 557 947

**Quick & Easy** (p. 2-7, see fold-out section)

30x30 R	3 842 993 709 / ...
---------	---------------------

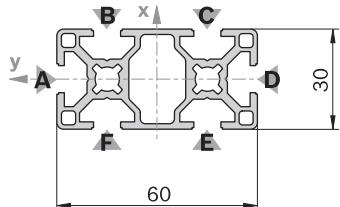
Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm M8 / DB11  
(note minimum length, p. 2-15)

Customized profile finishing —

**30x60**

A = 5,5 cm<sup>2</sup>  
I<sub>x</sub> = 19,6 cm<sup>4</sup>  
I<sub>y</sub> = 5,1 cm<sup>4</sup>  
W<sub>x</sub> = 7,0 cm<sup>3</sup>  
W<sub>y</sub> = 3,9 cm<sup>3</sup>  
m = 1,5 kg/m

**Cover cap**

	Color	ESD	No.
30x30 (2x)	Signal gray	100	3 842 548 744
30x60 (1x)	Signal gray	20	3 842 548 780
30x30 (2x)	Black	20	3 842 548 745
30x60 (1x)	Black	20	3 842 548 781

Material:

PP

**Cover cap with hole**

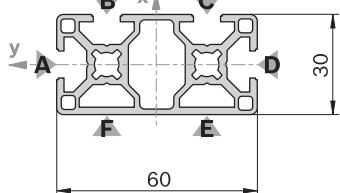
	Color	ESD	No.
30x30 (2x)	Signal gray	20	3 842 548 774
30x30 (2x)	Black	20	3 842 548 775

Material:

PP

**30x60 4N**

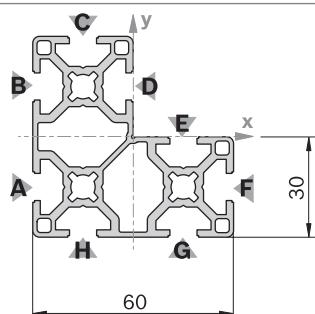
A = 5,8 cm<sup>2</sup>  
I<sub>x</sub> = 20,2 cm<sup>4</sup>  
I<sub>y</sub> = 5,5 cm<sup>4</sup>  
W<sub>x</sub> = 6,7 cm<sup>3</sup>  
W<sub>y</sub> = 3,8 cm<sup>3</sup>  
m = 1,6 kg/m



Cover cap: see 30x60

**30x60x60**

A = 8,2 cm<sup>2</sup>  
I<sub>x</sub> = 26,2 cm<sup>4</sup>  
I<sub>y</sub> = 26,2 cm<sup>4</sup>  
W<sub>x</sub> = 7,6 cm<sup>3</sup>  
W<sub>y</sub> = 7,6 cm<sup>3</sup>  
m = 2,2 kg/m

**Cover cap**

	Color	ESD	No.
30x30 (3x)	Signal gray	100	3 842 548 744
30x30 (3x)	Black	20	3 842 548 745

Material:

PP

**30x60**

	L (mm)	No.
1 pc	50 ... 6070	3 842 992 457 / L
1 pc	50 ... 6000	3 842 992 458 / L
1 pc	80 ... 6000	3 842 992 926 / L
1 pc	50 ... 6000	3 842 992 459 / L
1 pc	60 ... 6000	3 842 992 460 / L
1 pc	60 ... 6000	3 842 992 463 / L
1 pc	60 ... 6000	3 842 992 462 / L
10 pcs	6070	3 842 557 205

Profile finishing:

M8: in all core holes

D11: in slots B/F, C/E

D11V: in slots A/D

**Quick & Easy** (p. 2-7, see fold-out section)

30x60	3 842 993 712 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm	M8 / D7.8 / D11 / DB11 (note minimum length, p. 2-15)
Customized profile finishing (L <sub>max</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>
<sup>1)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 404 / 508 mm	

**30x60 4N**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 420 / L
10 pcs	6070	3 842 536 472

**Quick & Easy** (p. 2-7, see fold-out section)

30x60 4N	3 842 993 713 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm	M8 / D7.8 / D11 / DB11 (note minimum length, p. 2-15)
Customized profile finishing (L <sub>max</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>
<sup>1)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 404 / 508 mm	

**30x60x60**

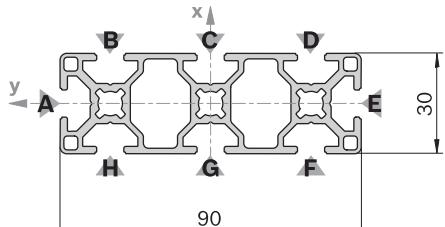
	L (mm)	No.
1 pc	50 ... 6070	3 842 993 016 / L
20 pcs	6070	3 842 557 241

**Quick & Easy** (p. 2-7, see fold-out section)

30x60x60	3 842 993 715 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm	M8 / D7.8 / D11 / DB11 (note minimum length, p. 2-15)
Customized profile finishing (L <sub>max</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>
<sup>1)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 404 / 508 mm	

**30x90**

$A = 7,7 \text{ cm}^2$   
 $I_x = 60,7 \text{ cm}^4$   
 $I_y = 7,3 \text{ cm}^4$   
 $W_x = 13,5 \text{ cm}^3$   
 $W_y = 4,9 \text{ cm}^3$   
 $m = 2,1 \text{ kg/m}$



19190

Cover cap	Color	ESD	No.
30x30 (3x)	Signal gray	100	3 842 548 744
30x30 (3x)	Black	20	3 842 548 745

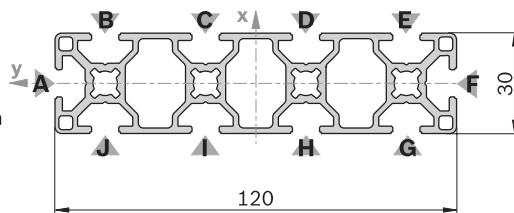
Material: PP

Cover cap with hole	Color	ESD	No.
30x30 (3x)	Signal gray	20	3 842 548 774
30x30 (3x)	Black	20	3 842 548 775

Material: PP

**30x120**

$A = 9,9 \text{ cm}^2$   
 $I_x = 136,3 \text{ cm}^4$   
 $I_y = 9,6 \text{ cm}^4$   
 $W_x = 22,7 \text{ cm}^3$   
 $W_y = 6,4 \text{ cm}^3$   
 $m = 2,7 \text{ kg/m}$



19191

Cover cap	Color	ESD	No.
30x30 (4x)	Signal gray	100	3 842 548 744
30x60 (2x)	Signal gray	20	3 842 548 780
30x30 (4x)	Black	20	3 842 548 745
30x60 (2x)	Black	20	3 842 548 781

Material: PP

Cover cap with hole	Color	ESD	No.
30x30 (4x)	Signal gray	20	3 842 548 774
30x30 (4x)	Black	20	3 842 548 775

Material: PP

30x90	L (mm)	No.
20 pcs	6070	3 842 541 937

**Quick & Easy** (p. 2-7, see fold-out section)

30x90	No.
	3 842 993 762 / ...

Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$   
 (note minimum length, p. 2-15) M8 / D7.8 (B,C,D,F,  
 G,H)<sup>1)</sup> / D11 (B,C,D,  
 F,G,H)<sup>1)</sup> / DB11Customized profile finishing  
 $(L_{\max i} = 5400 \text{ mm})$  DI / DIS / MT / MTS /  
 MI / MIS / DG<sup>2)</sup><sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 150 / 150 \text{ mm}$ 

30x120	L (mm)	No.
20 pcs	6070	3 842 541 939

**Quick & Easy** (p. 2-7, see fold-out section)

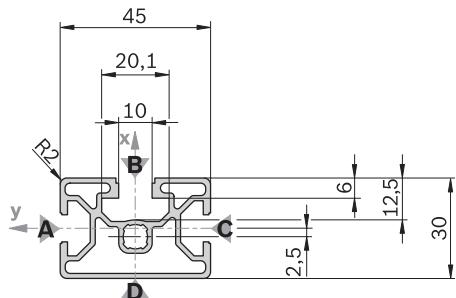
30x120	No.
	3 842 993 763 / ...

Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$   
 (note minimum length, p. 2-15) M8 / D7.8 (B,C,D,E,  
 G,H,I,J)<sup>1)</sup> / D11 (B,C,D,  
 E,G,H,I,J)<sup>1)</sup> / DB11Customized profile finishing  
 $(L_{\max i} = 5400 \text{ mm})$  DI / DIS / MT / MTS /  
 MI / MIS / DG<sup>2)</sup><sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 150 / 150 \text{ mm}$

**30x45**

A = 4,0 cm<sup>2</sup>  
I<sub>x</sub> = 8,1 cm<sup>4</sup>  
I<sub>y</sub> = 3,9 cm<sup>4</sup>  
W<sub>x</sub> = 3,9 cm<sup>3</sup>  
W<sub>y</sub> = 2,9 cm<sup>3</sup>  
m = 1,1 kg/m

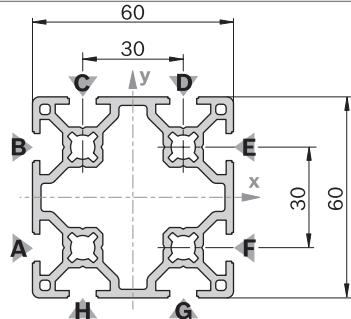


Cover cap	Color	ESD	No.
30x45 (1x)	Signal gray	20	3 842 548 778
30x45 (1x)	Black	20	3 842 548 779

Material: PP

**60x60 8N**

A = 9,8 cm<sup>2</sup>  
I<sub>x</sub> = 39,7 cm<sup>4</sup>  
I<sub>y</sub> = 39,7 cm<sup>4</sup>  
W<sub>x</sub> = 13,2 cm<sup>3</sup>  
W<sub>y</sub> = 13,2 cm<sup>3</sup>  
m = 2,6 kg/m

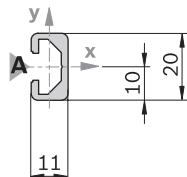


Cover cap	Color	ESD	No.
60x60 8N (1x)	Signal gray	20	3 842 551 046
60x60 8N (1x)	Black	20	3 842 551 047

Material: PP

**11x20**

A = 1,0 cm<sup>2</sup>  
I<sub>x</sub> = 0,5 cm<sup>4</sup>  
I<sub>y</sub> = 0,1 cm<sup>4</sup>  
W<sub>x</sub> = 0,7 cm<sup>3</sup>  
W<sub>y</sub> = 0,3 cm<sup>3</sup>  
m = 0,3 kg/m



Cover cap	Color	ESD	No.
11x20 (1x)	Signal gray	20	3 842 551 044
11x20 (1x)	Black	20	3 842 551 045

Material: PP

<b>30x45</b>		L (mm)	No.
1 pc		50 ... 6070	3 842 992 430 / L
1 pc	M8	50 ... 6000	3 842 992 431 / L
18 pcs		6070	3 842 557 203

**Quick & Easy** (p. 2-7, see fold-out section)

<b>30x45</b>		3 842 993 710 / ...	
Length L (mm)		50 ... 6070	
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-15)		M8 / D7.8 (A,C) <sup>1)</sup> / D9.8 (B) <sup>1)</sup> / D11 (A,C) <sup>1)</sup> / DB11 / D17 (B) <sup>1)</sup>	
Customized profile finishing (L <sub>max</sub> = 5400 mm)		DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>	

<sup>1)</sup> For the specified slots

<sup>2)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 378 / 456 mm

<b>60x60 8N</b>		L (mm)	No.
1 pc		50 ... 6070	3 842 993 033 / L
20 pcs		6070	3 842 535 176

**Quick & Easy** (p. 2-7, see fold-out section)

<b>60x60 8N</b>		3 842 993 669 / ...	
Length L (mm)		50 ... 6070	
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-15)		M8 / D7.8 / D11 / DB11	
Customized profile finishing (L <sub>max</sub> = 5400 mm)		DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>	
<sup>2)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 404 / 508 mm			

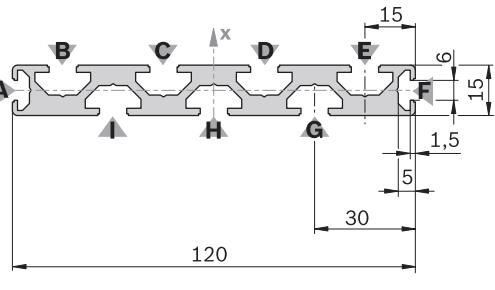
<b>11x20</b>		L (mm)	No.
1 pc		50 ... 2000	3 842 992 476 / L
10 pcs		2000	3 842 513 581

**Quick & Easy** (p. 2-7, see fold-out section)

<b>11x20</b>		3 842 993 688 / ...	
Length L (mm)		50 ... 2000	
Standard profile finishing (note minimum length, p. 2-15)		D7.8 / D11	
Customized profile finishing		—	

**15x120**

$A = 9,0 \text{ cm}^2$   
 $I_x = 110,4 \text{ cm}^4$   
 $I_y = 2,2 \text{ cm}^4$   
 $W_x = 18,4 \text{ cm}^3$   
 $W_y = 2,7 \text{ cm}^3$   
 $m = 2,4 \text{ kg/m}$



Cover cap	Color	ESD	No.
15x120 (1x)	Signal gray	20	<b>3 842 548 768</b>
15x120 (1x)	Black	20	<b>3 842 548 769</b>

Material: PP

**15x120****L (mm)**

1 pc 50 ... 3000 **3 842 993 078 / L**

10 pcs 3000 **3 842 537 821**

**Quick & Easy** (p. 2-7, see fold-out section)**3 842 993 684 / ...**

Length L (mm) 80 ... 3000

Standard profile finishing D7.8 (B,C,D,E,G,H,I)<sup>1)</sup> /  
(note minimum length, p. 2-15) D11 (B,C,D,E,G,H,I)<sup>1)</sup>

Customized profile finishing DI / DIS / MT / MTS /  
(L<sub>max i</sub> = 2300 mm) MI / MIS

<sup>1)</sup> For the specified slots

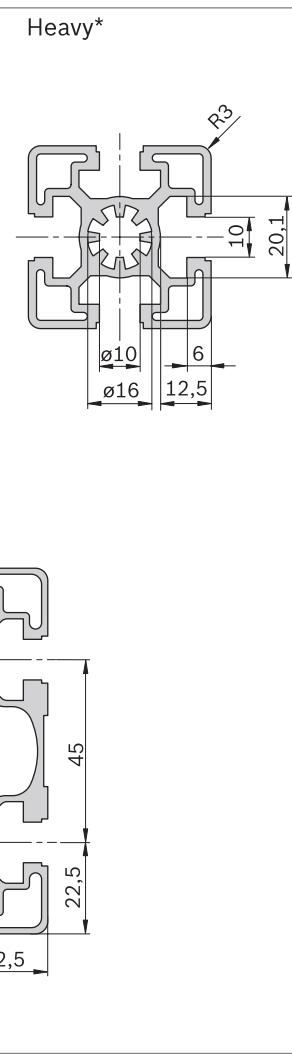
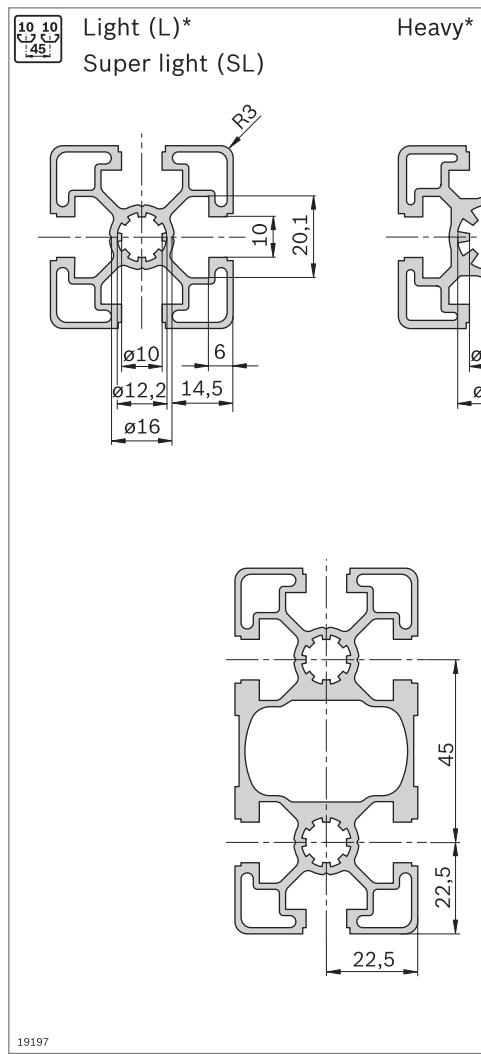
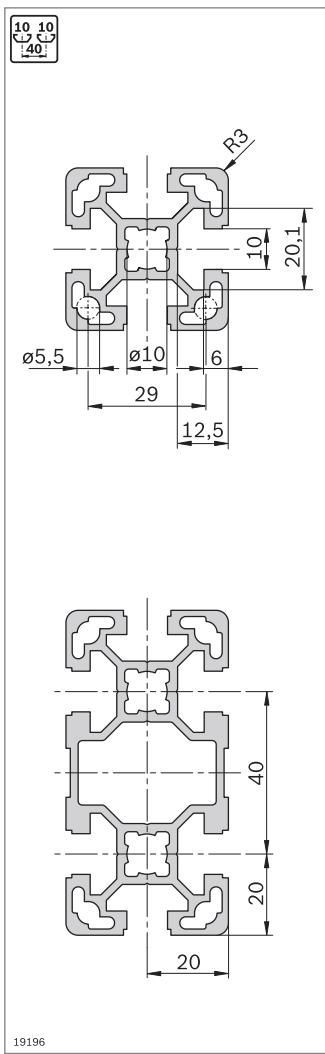
## Strut profiles with 10 mm slot

The Rexroth modular profile system, with 10 mm slots in the modular dimensions 40 mm, 45 mm, 50 mm, and 60 mm, covers all conventional profile dimensions on the world market.

Thanks to their computer-optimized design, the strut

profiles L with 10 mm slot (modular dimensions 40 mm, 45 mm, and 50 mm, e.g. 50x50L) combine high strengths with minimum use of materials. This gives you a cost-effective and stable solution for the construction of tables, protection devices or frames, for instance.

### Slot, modular dimensions, central bore



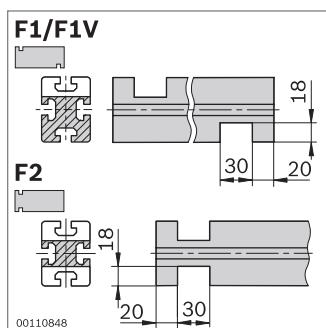
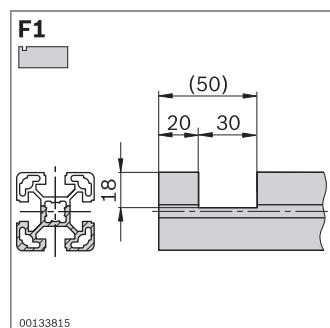
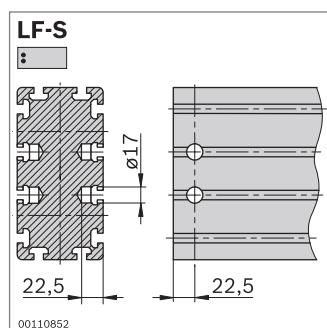
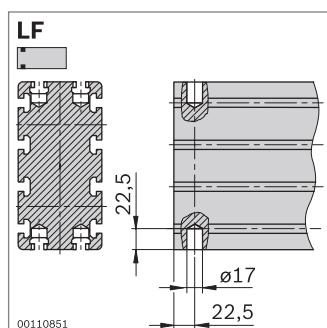
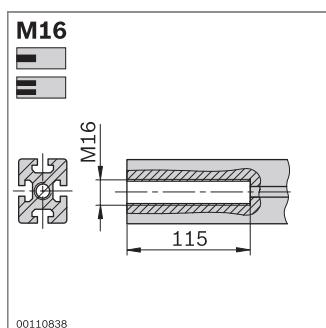
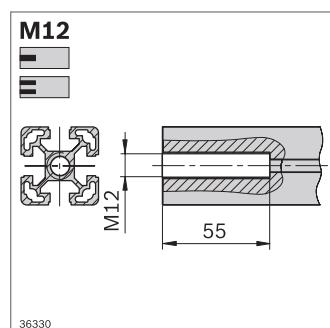
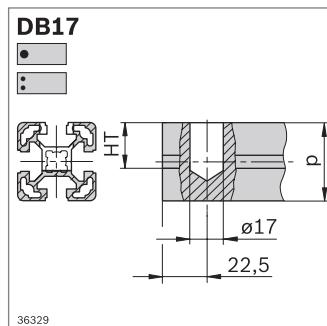
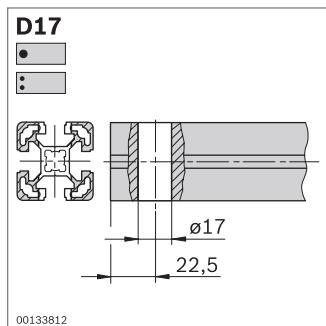
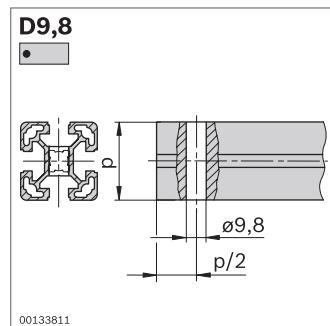
\*) The following L-profiles have a "heavy" slot geometry:  
45x90x90L; 45x90x90L 4N; 90x90L; 90x90L 4N; 90x90L 4NVS; 90x180L

**Minimum profile lengths (mm) for Quick & Easy standard profile finishing on one or both sides**

-	M12	M16	D9.8	D17/DB17 F1	
-	50	60	120	50	60
<b>M12</b>	60	110	180	90	90
<b>M16</b>	120	180	240	150	170
<b>D9.8</b>	50	90	150	80	70
<b>D17/DB17</b>	60	90	170	70	80
<b>F1</b>	60	110	170	90	80

For applications with high loads, we recommend especially stable profiles with 10 mm slots, e.g. for heavy work tables, fixtures, machine frames, transport shuttles, protective enclosures, and handling systems.

**Profile finishing**



**Reduced maximum profile lengths  $L_{max,i}$  at customized profile finishing**

$L_{max}$ (mm)	$L_{max,i}$ (mm)
6070	5400
3000	2300
2000	1300

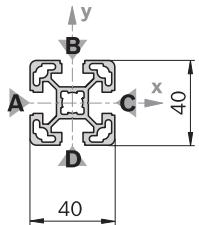
Due to its very sturdy design, this slot allows maximum strength connections.

**40x40L**

A = 5,6 cm<sup>2</sup>  
 l<sub>x</sub> = 9,1 cm<sup>4</sup>  
 l<sub>y</sub> = 9,1 cm<sup>4</sup>  
 W<sub>x</sub> = 4,5 cm<sup>3</sup>  
 W<sub>y</sub> = 4,5 cm<sup>3</sup>  
 m = 1,5 kg/m



19199

**Cover cap**

Cover cap	Color	ESD	No.
40x40 (1x)	Signal gray	100	3 842 548 746
40x40 (1x)	Black	20	3 842 548 747

Material: PP

**Cover cap with hole**

Cover cap with hole	Color	ESD	No.
40x40 (1x)	Signal gray	20	3 842 548 782
40x40 (1x)	Black	20	3 842 548 783

Material: PP

**Cover cap ZN**

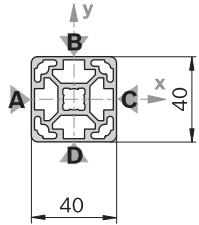
Cover cap ZN	ESD	No.	FS
40x40-ZN	20	3 842 541 807	FS2

Material: Cover cap: Diecast zinc  
Fastening material: Steel; galvanized**40x40L ON**

A = 6,3 cm<sup>2</sup>  
 l<sub>x</sub> = 10,4 cm<sup>4</sup>  
 l<sub>y</sub> = 10,4 cm<sup>4</sup>  
 W<sub>x</sub> = 5,2 cm<sup>3</sup>  
 W<sub>y</sub> = 5,2 cm<sup>3</sup>  
 m = 1,7 kg/m



19200



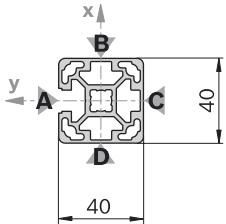
Cover cap: see 40x40

**40x40L 1N**

A = 6,1 cm<sup>2</sup>  
 l<sub>x</sub> = 9,8 cm<sup>4</sup>  
 l<sub>y</sub> = 10,3 cm<sup>4</sup>  
 W<sub>x</sub> = 4,7 cm<sup>3</sup>  
 W<sub>y</sub> = 5,1 cm<sup>3</sup>  
 m = 1,7 kg/m



19201



Cover cap: see 40x40

**40x40L**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 120 / L
1 pc M12	60 ... 6000	3 842 993 121 / L
1 pc M12	110 ... 6000	3 842 993 122 / L
1 pc M12	90 ... 6000	3 842 993 123 / L
1 pc D17	60 ... 6000	3 842 993 124 / L
1 pc D17	80 ... 6000	3 842 993 125 / L
1 pc D17	80 ... 6000	3 842 993 126 / L
1 pc D9,8	80 ... 6000	3 842 993 129 / L
20 pcs	6070	3 842 529 339

**Quick & Easy** (p. 2-7, see fold-out section)

40x40L	3 842 993 724 / ...
--------	---------------------

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17 / F1 (A) <sup>1)</sup>
Customized profile finishing (L <sub>max,i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

<sup>1)</sup> For the specified slots<sup>2)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 370 / 440 mm**FS2**

40x40L ON	L (mm)	No.
20 pcs	6070	3 842 540 954

**Quick & Easy** (p. 2-7, see fold-out section)

40x40L ON	3 842 993 760 / ...
-----------	---------------------

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17
Customized profile finishing (L <sub>max,i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 370 / 440 mm

40x40L 1N	L (mm)	No.
1 pc	50 ... 6070	3 842 993 185 / L
1 pc M12	110 ... 6000	3 842 993 186 / L
20 pcs	6070	3 842 529 361

**Quick & Easy** (p. 2-7, see fold-out section)

40x40L 1N	3 842 993 719 / ...
-----------	---------------------

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17
Customized profile finishing (L <sub>max,i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

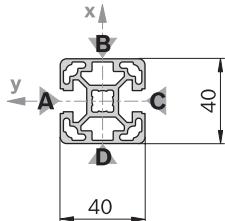
<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 370 / 440 mm

**40x40L 2N**

$A = 6,0 \text{ cm}^2$   
 $I_x = 9,0 \text{ cm}^4$   
 $I_y = 10,3 \text{ cm}^4$   
 $W_x = 4,5 \text{ cm}^3$   
 $W_y = 5,2 \text{ cm}^3$   
 $m = 1,6 \text{ kg/m}$



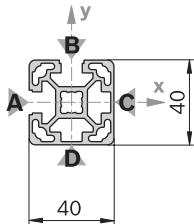
Cover cap: see 40x40

**40x40L 2NVS**

$A = 6,0 \text{ cm}^2$   
 $I_x = 9,7 \text{ cm}^4$   
 $I_y = 9,7 \text{ cm}^4$   
 $W_x = 4,9 \text{ cm}^3$   
 $W_y = 4,9 \text{ cm}^3$   
 $m = 1,6 \text{ kg/m}$



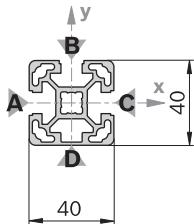
Cover cap: see 40x40

**40x40L 3N**

$A = 5,8 \text{ cm}^2$   
 $I_x = 9,7 \text{ cm}^4$   
 $I_y = 9,0 \text{ cm}^4$   
 $W_x = 4,8 \text{ cm}^3$   
 $W_y = 4,5 \text{ cm}^3$   
 $m = 1,6 \text{ kg/m}$



Cover cap: see 40x40

**40x40L 2N**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 187 / L
1 pc M12	110 ... 6000	3 842 993 188 / L
20 pcs	6070	3 842 529 363

**Quick & Easy** (p. 2-7, see fold-out section)**40x40L 2N** **3 842 993 720 / ...**

Length L (mm) 50 ... 6070  
Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9.8 / D17 / DB17  
(note minimum length, p. 2-24)

Customized profile finishing DI / DIS / MT / MTS / MI / MIS / DG<sup>1)</sup>  
( $L_{\max_i} = 5400 \text{ mm}$ )

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min_1} / L_{\min_2} = 370 / 440 \text{ mm}$

**40x40L 2NVS**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 189 / L
1 pc M12	110 ... 6000	3 842 993 190 / L
20 pcs	6070	3 842 529 365

**Quick & Easy** (p. 2-7, see fold-out section)**40x40L 2NVS** **3 842 993 721 / ...**

Length L (mm) 50 ... 6070  
Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9.8 / D17 / DB17  
(note minimum length, p. 2-24)

Customized profile finishing DI / DIS / MT / MTS / MI / MIS / DG<sup>1)</sup>  
( $L_{\max_i} = 5400 \text{ mm}$ )

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min_1} / L_{\min_2} = 370 / 440 \text{ mm}$

**40x40L 3N**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 191 / L
1 pc M12	110 ... 6000	3 842 993 192 / L
20 pcs	6070	3 842 529 367

**Quick & Easy** (p. 2-7, see fold-out section)**40x40L 3N** **3 842 993 722 / ...**

Length L (mm) 50 ... 6070  
Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9.8 / D17 / DB17  
(note minimum length, p. 2-24)

Customized profile finishing DI / DIS / MT / MTS / MI / MIS / DG<sup>1)</sup>  
( $L_{\max_i} = 5400 \text{ mm}$ )

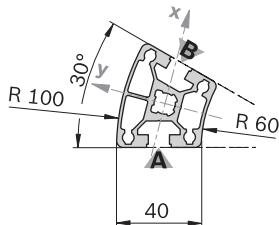
<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min_1} / L_{\min_2} = 370 / 440 \text{ mm}$

**40x30°**

$A = 6,2 \text{ cm}^2$   
 $I_x = 9,4 \text{ cm}^4$   
 $I_y = 11,8 \text{ cm}^4$   
 $W_x = 4,7 \text{ cm}^3$   
 $W_y = 5,9 \text{ cm}^3$   
 $m = 1,7 \text{ kg/m}$



19205

**Cover cap**

Cover cap	Color	ESD	No.
40x30° (1x)	Signal gray	20	3 842 551 014
40x30° (1x)	Black	20	3 842 551 015

Material:

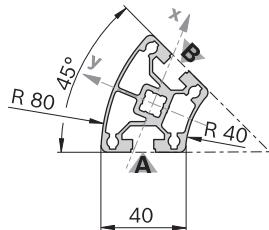
PP

**40x45°**

$A = 6,8 \text{ cm}^2$   
 $I_x = 9,9 \text{ cm}^4$   
 $I_y = 16,6 \text{ cm}^4$   
 $W_x = 5,0 \text{ cm}^3$   
 $W_y = 8,3 \text{ cm}^3$   
 $m = 1,8 \text{ kg/m}$



19206

**Cover cap**

Cover cap	Color	ESD	No.
40x45° (1x)	Signal gray	20	3 842 551 016
40x45° (1x)	Black	20	3 842 551 017

Material:

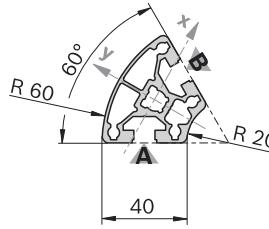
PP

**40x60°**

$A = 6,3 \text{ cm}^2$   
 $I_x = 8,7 \text{ cm}^4$   
 $I_y = 13,1 \text{ cm}^4$   
 $W_x = 4,3 \text{ cm}^3$   
 $W_y = 6,5 \text{ cm}^3$   
 $m = 1,7 \text{ kg/m}$



19207

**Cover cap**

Cover cap	Color	ESD	No.
40x60° (1x)	Signal gray	20	3 842 551 018
40x60° (1x)	Black	20	3 842 551 019

Material:

PP

**40x30°**

1 pc		50 ... 6070	3 842 993 195 / L
12 pcs		6070	3 842 529 371

**Quick & Easy** (p. 2-7, see fold-out section)**40x30°**

Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12  
(note minimum length, p. 2-24)

Customized profile finishing —

**40x45°**

1 pc		50 ... 6070	3 842 993 197 / L
12 pcs		6070	3 842 529 373

**Quick & Easy** (p. 2-7, see fold-out section)**40x45°**

Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12  
(note minimum length, p. 2-24)

Customized profile finishing —

**40x60°**

1 pc		50 ... 6070	3 842 993 198 / L
12 pcs		6070	3 842 529 375

**Quick & Easy** (p. 2-7, see fold-out section)**40x60°**

Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12  
(note minimum length, p. 2-24)

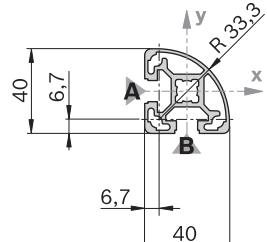
Customized profile finishing —

**40x40L R**

$A = 5,0 \text{ cm}^2$   
 $I_x = 7,2 \text{ cm}^4$   
 $I_y = 7,2 \text{ cm}^4$   
 $W_x = 3,6 \text{ cm}^3$   
 $W_y = 3,6 \text{ cm}^3$   
 $m = 1,3 \text{ kg/m}$

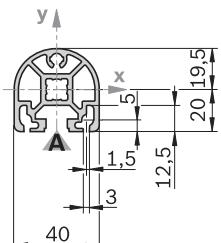


19208

**Cover cap**

Cover cap	Color	ESD	No.
40x40 R (1x)	Signal gray	20	3 842 548 784
40x40 R (1x)	Black	20	3 842 548 785

Material:

**40x40 HR**

$A = 5,5 \text{ cm}^2$   
 $I_x = 8,1 \text{ cm}^4$   
 $I_y = 7,6 \text{ cm}^4$   
 $W_x = 4,0 \text{ cm}^3$   
 $W_y = 3,6 \text{ cm}^3$   
 $m = 1,5 \text{ kg/m}$



19209

Cover cap	Color	ESD	No.
40x40 HR (1x)	Signal gray	20	3 842 548 786
40x40 HR (1x)	Black	20	3 842 548 787

Material:

Cover cap with hole <sup>1)</sup>	Color	ESD	No.
40x40 HR (1x)	Signal gray	20	3 842 548 786
40x40 HR (1x)	Black	20	3 842 548 787

Material:

<sup>1)</sup> The cover cap is also suitable for use with a hole, which can be broken out

**40x40L R**

		L (mm)	No.
1 pc		50 ... 6070	3 842 993 184 / L
20 pcs		6070	3 842 529 359

**Quick & Easy** (p. 2-7, see fold-out section)

40x40L R	3 842 993 725 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / DB17 (A,B)<sup>1)</sup> (note minimum length, p. 2-24)

Customized profile finishing —

<sup>1)</sup> For the specified slots**40x40 HR**

		L (mm)	No.
1 pc		50 ... 6070	3 842 993 256 / L
1 pc	M12  M12	110 ... 6000	3 842 993 257 / L
20 pcs		6070	3 842 529 381

**Quick & Easy** (p. 2-7, see fold-out section)

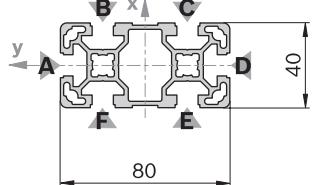
40x40 HR	3 842 993 723 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / DB17 (note minimum length, p. 2-24)Customized profile finishing DI / DIS / MT / MTS / MI / MIS / DG<sup>1)</sup> ( $L_{\max i} = 5400 \text{ mm}$ )<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 370 / 440 \text{ mm}$

**40x80L**

$A = 9,9 \text{ cm}^2$   
 $I_x = 63,4 \text{ cm}^4$   
 $I_y = 17,3 \text{ cm}^4$   
 $W_x = 15,9 \text{ cm}^3$   
 $W_y = 8,7 \text{ cm}^3$   
 $m = 2,7 \text{ kg/m}$

**Cover cap**

Cover cap	Color	ESD	No.
40x80 (1x)	Signal gray	20	3 842 548 748
40x80 (1x)	Black	20	3 842 548 749

Material: PP

**Cover cap with hole**

Cover cap with hole	Color	ESD	No.
40x80 (1x)	Signal gray	20	3 842 548 788
40x80 (1x)	Black	20	3 842 548 789

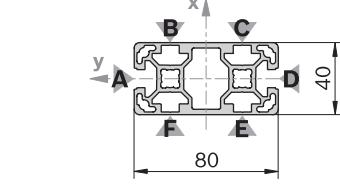
Material: PP

**40x80L 2N**

$A = 10,9 \text{ cm}^2$   
 $I_x = 66,6 \text{ cm}^4$   
 $I_y = 20,8 \text{ cm}^4$   
 $W_x = 16,6 \text{ cm}^3$   
 $W_y = 10,4 \text{ cm}^3$   
 $m = 2,9 \text{ kg/m}$



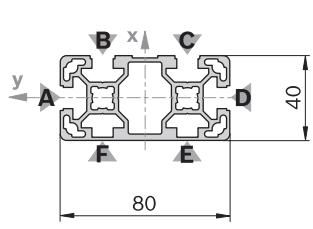
Cover cap: see 40x80

**40x80L 4N**

$A = 10,4 \text{ cm}^2$   
 $I_x = 65,2 \text{ cm}^4$   
 $I_y = 19,1 \text{ cm}^4$   
 $W_x = 16,3 \text{ cm}^3$   
 $W_y = 9,9 \text{ cm}^3$   
 $m = 2,8 \text{ kg/m}$



Cover cap: see 40x80

**40x80L**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 130 / L
1 pc	M12 60 ... 6000 3 842 993 131 / L
1 pc	M12 60 ... 6000 3 842 993 132 / L
1 pc	D17 80 ... 6000 3 842 993 135 / L
1 pc	D17 80 ... 6000 3 842 993 136 / L
1 pc	D17V 60 ... 6000 3 842 993 137 / L
1 pc	D17V 80 ... 6000 3 842 993 138 / L
12 pcs	6070 3 842 529 341

Profile finishing:

M12: in all core holes

D17: in slots B/F, C/E

D17V: in slots A/D

**Quick & Easy** (p. 2-7, see fold-out section)

40x80L	3 842 993 728 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17 / F1 (A,D) <sup>1)</sup>
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>
<sup>1)</sup> For the specified slots	
<sup>2)</sup> $DG_{\max} = 45^\circ$ ; $L_{\min 1} / L_{\min 2} = 439 / 578 \text{ mm}$	

**40x80L 2N**

L (mm)	No.
12 pcs	6070 3 842 555 650
<b>Quick &amp; Easy</b> (p. 2-7, see fold-out section)	
40x80L 2N	3 842 993 768 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17 / F1 (A,D) <sup>1)</sup>
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>
<sup>1)</sup> For the specified slots	
<sup>2)</sup> $DG_{\max} = 45^\circ$ ; $L_{\min 1} / L_{\min 2} = 439 / 578 \text{ mm}$	

**40x80L 4N**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 424 / L
12 pcs	6070 3 842 536 484
<b>Quick &amp; Easy</b> (p. 2-7, see fold-out section)	
40x80L 4N	3 842 993 729 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17 / F1 (A,D) <sup>1)</sup>
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>
<sup>1)</sup> For the specified slots	
<sup>2)</sup> $DG_{\max} = 45^\circ$ ; $L_{\min 1} / L_{\min 2} = 439 / 578 \text{ mm}$	

<sup>1)</sup> For the specified slots

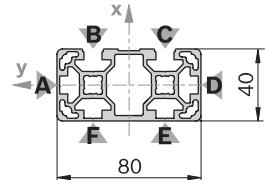
<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 439 / 578 \text{ mm}$

**40x80L 2NVS**

$A = 10,7 \text{ cm}^2$   
 $I_x = 67,8 \text{ cm}^4$   
 $I_y = 19,0 \text{ cm}^4$   
 $W_x = 17,0 \text{ cm}^3$   
 $W_y = 9,5 \text{ cm}^3$   
 $m = 2,9 \text{ kg/m}$



33093



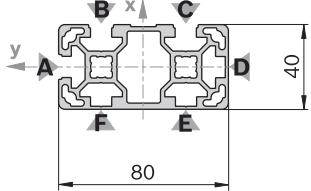
Cover cap: see 40x80

**40x80L 3NVS**

$A = 10,6 \text{ cm}^2$   
 $I_x = 67,8 \text{ cm}^4$   
 $I_y = 19,0 \text{ cm}^4$   
 $W_x = 17,0 \text{ cm}^3$   
 $W_y = 9,5 \text{ cm}^3$   
 $m = 2,9 \text{ kg/m}$



19212



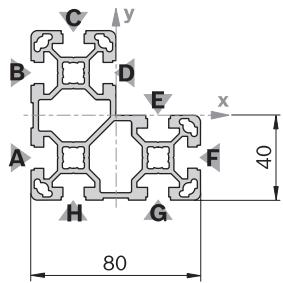
Cover cap: see 40x80

**40x80x80L**

$A = 15,4 \text{ cm}^2$   
 $I_x = 96,6 \text{ cm}^4$   
 $I_y = 96,6 \text{ cm}^4$   
 $W_x = 24,2 \text{ cm}^3$   
 $W_y = 24,2 \text{ cm}^3$   
 $m = 4,2 \text{ kg/m}$



19213



Cover cap	Color	ESD	No.
40x80x80 (1x)	Signal gray	20	3 842 548 790
40x80x80 (1x)	Black	20	3 842 548 791

Material: PP

**40x80L 2NVS****L (mm) No.**

	12 pcs		6070 3 842 555 649
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**Quick & Easy** (p. 2-7, see fold-out section)

<b>40x80 L 2NVS</b>	<b>3 842 993 767 / ...</b>
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9.8 / D17 / (note minimum length, p. 2-24) DB17Customized profile finishing (L<sub>max i</sub> = 5400 mm) DI / DIS / MT / MTS / MI / MIS / DG<sup>1)</sup><sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 439 / 578 mm**40x80L 3NVS****L (mm) No.**

1 pc		50 ... 6070 3 842 993 654 / L
------	--	-------------------------------

	12 pcs		6070 3 842 538 330
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**Quick & Easy** (p. 2-7, see fold-out section)

<b>40x80L 3NVS</b>	<b>3 842 993 753 / ...</b>
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9.8 / D17 / (note minimum length, p. 2-24) DB17Customized profile finishing (L<sub>max i</sub> = 5400 mm) DI / DIS / MT / MTS / MI / MIS / DG<sup>1)</sup><sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 439 / 578 mm**40x80x80L****L (mm) No.**

1 pc		50 ... 6070 3 842 993 193 / L
------	--	-------------------------------

	8 pc		6070 3 842 537 827
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**Quick & Easy** (p. 2-7, see fold-out section)

<b>40x80x80L</b>	<b>3 842 993 730 / ...</b>
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Length L (mm) 50 ... 6070

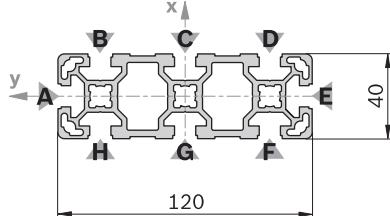
Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9.8 / D17 / (note minimum length, p. 2-24) DB17Customized profile finishing (L<sub>max i</sub> = 5400 mm) DI / DIS / MT / MTS / MI / MIS / DG<sup>1)</sup><sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 439 / 578 mm

**40x120L**

$A = 15,5 \text{ cm}^2$   
 $I_x = 203,2 \text{ cm}^4$   
 $I_y = 27,8 \text{ cm}^4$   
 $W_x = 33,9 \text{ cm}^3$   
 $W_y = 13,9 \text{ cm}^3$   
 $m = 4,2 \text{ kg/m}$



19214

**Cover cap**

	Color	ESD	No.
40x40 (1x)	Signal gray	100	3 842 548 746
40x80 (1x)	Signal gray	20	3 842 548 748
40x40 (1x)	Black	20	3 842 548 747
40x80 (1x)	Black	20	3 842 548 749

Material: PP

**Notice:**

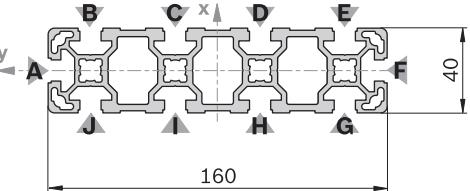
For the 40x120L profile you require the following combination of cover caps: 1x 40x40 und 1x 40x80

**40x160L**

$A = 20,5 \text{ cm}^2$   
 $I_x = 466,7 \text{ cm}^4$   
 $I_y = 37,2 \text{ cm}^4$   
 $W_x = 58,3 \text{ cm}^3$   
 $W_y = 18,6 \text{ cm}^3$   
 $m = 5,5 \text{ kg/m}$



19215

**Cover cap**

	Color	ESD	No.
40x80 (2x)	Signal gray	20	3 842 548 748
40x80 (2x)	Black	20	3 842 548 749

Material: PP

**40x120L**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 139 / L
1 pc M12	60 ... 6000	3 842 993 140 / L
1 pc M12	110 ... 6000	3 842 993 141 / L
1 pc D17	80 ... 6000	3 842 993 142 / L
1 pc D17V	90 ... 6000	3 842 993 225 / L
8 pc	6070	3 842 537 824

Profile finishing:  
M12: in all core holes  
D17: in slots B/H, C/G, D/F  
D17V: in slots A/E

**Quick & Easy** (p. 2-7, see fold-out section)

40x120L	3 842 993 716 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 (B,C,D,F, G,H) <sup>1)</sup> / D17 (B,C,D,F, G,H) <sup>1)</sup> / DB17 / F1 (A,E) <sup>1)</sup>

Customized profile finishing  
( $L_{\max i} = 5400 \text{ mm}$ )  
DI / DIS / MT / MTS /  
MI / MIS / DG<sup>2)</sup>

<sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 439 / 578 \text{ mm}$ **40x160L**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 143 / L
1 pc M12	60 ... 6000	3 842 993 144 / L
1 pc M12	110 ... 6000	3 842 993 145 / L
1 pc D17	80 ... 6000	3 842 993 146 / L
6 pcs	6070	3 842 529 345

Profile finishing:  
M12: in all core holes  
D17: in slots B/J, C/I, D/H, E/G

**Quick & Easy** (p. 2-7, see fold-out section)

40x160L	3 842 993 717 / ...
Length L (mm)	80 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 (B,C,D,E,G,H, I,J) <sup>1)</sup> / D17 (B,C,D,E,G,H, I,J) <sup>1)</sup> / DB17 / F1 (A,F) <sup>1)</sup>
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

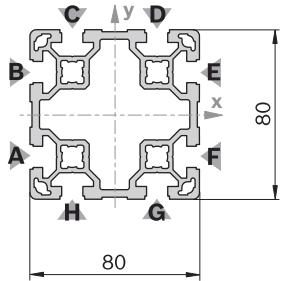
<sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 439 / 578 \text{ mm}$

**80x80L**

$A = 18,2 \text{ cm}^2$   
 $I_x = 132,1 \text{ cm}^4$   
 $I_y = 132,1 \text{ cm}^4$   
 $W_x = 33,0 \text{ cm}^3$   
 $W_y = 33,0 \text{ cm}^3$   
 $m = 4,9 \text{ kg/m}$



19216



Cover cap	Color	ESD	No.
80x80 (1x)	Signal gray	20	3 842 548 750
80x80 (1x)	Black	Ⓐ 20	3 842 548 751

Material:

PP

**80x80L****L (mm) No.**

1 pc		50 ... 6070	3 842 993 133 / L
1 pc	M12	60 ... 6000	3 842 993 134 / L
1 pc	M12  M12	110 ... 6000	3 842 993 147 / L
1 pc	M12  D17	90 ... 6000	3 842 993 148 / L
1 pc	D17	60 ... 6000	3 842 993 149 / L
1 pc	D17  D17	80 ... 6000	3 842 993 150 / L
1 pc	D17  D17V	80 ... 6000	3 842 993 151 / L
6 pcs		6070	3 842 529 347

Profile finishing:

M12: in all core holes

D17: in slots A/F, B/E

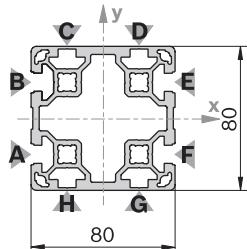
D17V: in slots C/H, D/G

**80x80L 4N**

$A = 19,1 \text{ cm}^2$   
 $I_x = 142,5 \text{ cm}^4$   
 $I_y = 142,5 \text{ cm}^4$   
 $W_x = 35,6 \text{ cm}^3$   
 $W_y = 35,6 \text{ cm}^3$   
 $m = 5,2 \text{ kg/m}$



36363



Cover cap	Color	ESD	No.
80x80 (1x)	Signal gray	20	3 842 548 750
80x80 (1x)	Black	Ⓐ 20	3 842 548 751

Material:

PP

**80x80L 4N****L (mm) No.**

6 pcs		6070	3 842 555 651
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Quick &amp; Easy (p. 2-7, see fold-out section)

80x80L 4N	L (mm) No.
	6070 3 842 555 651
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

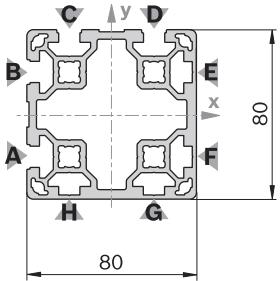
<sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 439 / 578 \text{ mm}$

**80x80L 4NVS**

A = 19,3 cm<sup>2</sup>  
 I<sub>x</sub> = 142,5 cm<sup>4</sup>  
 I<sub>y</sub> = 142,5 cm<sup>4</sup>  
 W<sub>x</sub> = 35,6 cm<sup>3</sup>  
 W<sub>y</sub> = 35,6 cm<sup>3</sup>  
 m = 5,2 kg/m



19416



Cover cap: see 80x80

**80x80L 4NVS**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 658 / L
6 pcs	6070 3 842 538 334

**Quick & Easy** (p. 2-7, see fold-out section)**80x80L 4NVS** 3 842 993 758 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17

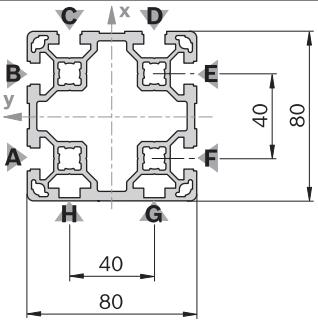
Customized profile finishing (L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1</sup>
--	--

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 439 / 578 mm**80x80L 6N**

A = 18,8 cm<sup>2</sup>  
 I<sub>x</sub> = 134,1 cm<sup>4</sup>  
 I<sub>y</sub> = 140,9 cm<sup>4</sup>  
 W<sub>x</sub> = 33,5 cm<sup>3</sup>  
 W<sub>y</sub> = 36,2 cm<sup>3</sup>  
 m = 5,1 kg/m



19417



Cover cap: see 80x80

**80x80L 6N**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 423 / L
6 pcs	6070 3 842 536 481

**Quick & Easy** (p. 2-7, see fold-out section)**80x80L 6N** 3 842 993 675 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17 / F1 (A,C,F) <sup>1</sup>

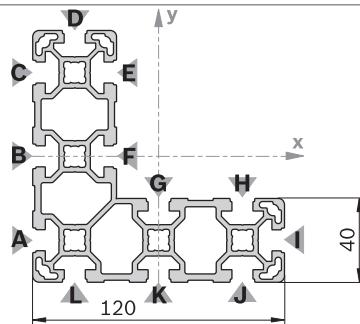
Customized profile finishing (L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>2</sup>
--	--

<sup>1)</sup> For the specified slots<sup>2)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 439 / 578 mm**40x120x120L**

A = 24,6 cm<sup>2</sup>  
 I<sub>x</sub> = 318,0 cm<sup>4</sup>  
 I<sub>y</sub> = 318,0 cm<sup>4</sup>  
 W<sub>x</sub> = 42,2 cm<sup>3</sup>  
 W<sub>y</sub> = 42,2 cm<sup>3</sup>  
 m = 6,7 kg/m



19418

**40x120x120L**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 653 / L
4 pcs	6070 3 842 538 287

**Quick & Easy** (p. 2-7, see fold-out section)**40x120x120L** 3 842 993 757 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 (B,C,J,K) <sup>1</sup> / D17 / DB17 (A,B,C,D,I,J,K,L) <sup>1</sup> / F1 (D,I) <sup>1</sup>

Customized profile finishing (L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>2</sup>
--	--

<sup>1)</sup> For the specified slots<sup>2)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 420 / 540 mm**Cover cap**

Color	ESD	No.
Signal gray	100	3 842 548 746
Signal gray	20	3 842 548 748
Signal gray	100	3 842 548 746
Black	20	3 842 548 747
Black	20	3 842 548 749
Black	20	3 842 548 747

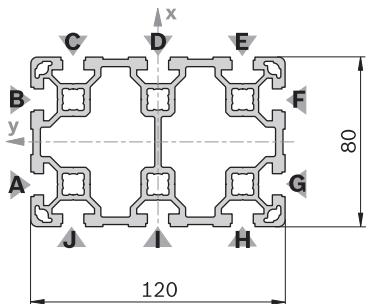
Material: PP

**Notice:**

for the 40x120x120L profile you require the following combination of cover caps: 5x 40x40 or 2x 40x80 and 1x 40x40

**80x120L**

A = 25,6 cm<sup>2</sup>  
 I<sub>x</sub> = 389,2 cm<sup>4</sup>  
 I<sub>y</sub> = 192,8 cm<sup>4</sup>  
 W<sub>x</sub> = 64,9 cm<sup>3</sup>  
 W<sub>y</sub> = 48,2 cm<sup>3</sup>  
 m = 6,9 kg/m

**Cover cap**

Cover cap	Color	ESD	No.
80x120 (1x)	Signal gray	20	3 842 548 792
80x120 (1x)	Black	Ⓐ 20	3 842 548 793

Material:

PP

**Cover cap**

Cover cap	Color	ESD	No.
80x80 (2x)	Signal gray	20	3 842 548 750
80x80 (2x)	Black	Ⓐ 20	3 842 548 751

Material:

PP

**80x120L****L (mm) No.**

1 pc		50 ... 6070	3 842 993 201 / L
1 pc	M12	60 ... 6000	3 842 993 202 / L
1 pc	M12  M12	110 ... 6000	3 842 993 203 / L
1 pc	D17  D17	80 ... 6000	3 842 993 204 / L
1 pc	D17V  D17V	90 ... 6000	3 842 993 229 / L
4 pcs		6070	3 842 537 828

Profile finishing:

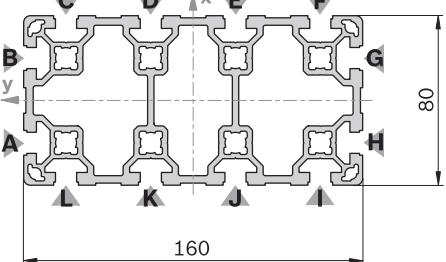
M12: in all core holes

D17: in slots C/J, D/I, E/H

D17V: in slots A/G, B/F

**80x160L**

A = 32,9 cm<sup>2</sup>  
 I<sub>x</sub> = 850,7 cm<sup>4</sup>  
 I<sub>y</sub> = 253,4 cm<sup>4</sup>  
 W<sub>x</sub> = 106,3 cm<sup>3</sup>  
 W<sub>y</sub> = 63,4 cm<sup>3</sup>  
 m = 8,9 kg/m

**Cover cap**

Cover cap	Color	ESD	No.
80x80 (2x)	Signal gray	20	3 842 548 750
80x80 (2x)	Black	Ⓐ 20	3 842 548 751

Material:

PP

**80x160L****L (mm) No.**

1 pc		50 ... 6070	3 842 993 127 / L
1 pc	M12	60 ... 6000	3 842 993 128 / L
1 pc	M12  M12	110 ... 6000	3 842 993 152 / L
1 pc	M12  D17	90 ... 6000	3 842 993 153 / L
1 pc	D17	60 ... 6000	3 842 993 154 / L
1 pc	D17  D17	80 ... 6000	3 842 993 155 / L
1 pc	D17V  D17V	90 ... 6000	3 842 993 226 / L
3 pcs		6070	3 842 529 349

Profile finishing:

M12: in all core holes

D17: in slots C/L, D/K, E/J, F/I

D17V: in slots A/H, B/G

**Quick & Easy (p. 2-7, see fold-out section)****3 842 993 673 / ...**

Length L (mm)	80 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 (C,D,E,H,I, J,K,L) <sup>1)</sup> / D17 (C,D,E,F,I,J, K,L) <sup>1)</sup> / DB17 / F1 (A,G) <sup>1)</sup>
Customized profile finishing (L <sub>max</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

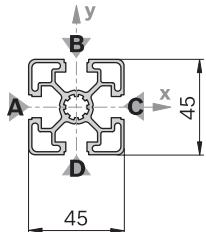
<sup>1)</sup> For the specified slots<sup>2)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 460 / 620 mm

**45x45L**

$A = 6,0 \text{ cm}^2$   
 $I_x = 11,7 \text{ cm}^4$   
 $I_y = 11,7 \text{ cm}^4$   
 $W_x = 5,2 \text{ cm}^3$   
 $W_y = 5,2 \text{ cm}^3$   
 $m = 1,6 \text{ kg/m}$



19421

**Cover cap**

Cover cap	Color	ESD	No.
45x45 (1x)	Signal gray	100	3 842 548 752
45x45 (1x)	Black	20	3 842 548 753

Material:

PP

**Cover cap with hole**

Cover cap with hole	Color	ESD	No.
45x45 (1x)	Signal gray	20	3 842 548 796
45x45 (1x)	Black	20	3 842 548 797

Material:

PP

**Cover cap ZN**

	ESD	No.	FS
45x45-ZN	20	3 842 518 205	FS2

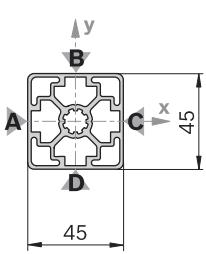
Material: Cover cap: Diecast zinc  
Fastening material: Steel; galvanized

**45x45L ON**

$A = 6,7 \text{ cm}^2$   
 $I_x = 13,5 \text{ cm}^4$   
 $I_y = 13,5 \text{ cm}^4$   
 $W_x = 6,0 \text{ cm}^3$   
 $W_y = 6,0 \text{ cm}^3$   
 $m = 1,8 \text{ kg/m}$



19422



Cover cap: see 45x45

**45x45L**

	L (mm)	No.
1 pc	50 ... 6070	3 842 992 425 / L
1 pc M12	60 ... 6000	3 842 992 426 / L
1 pc M12 - M12	110 ... 6000	3 842 992 427 / L
1 pc M12 - D17	90 ... 6000	3 842 992 960 / L
1 pc D9,8 - D9,8	80 ... 6000	3 842 992 967 / L
1 pc D17	60 ... 6000	3 842 992 953 / L
1 pc D17 - D17	80 ... 6000	3 842 992 954 / L
1 pc D17 - D17V	80 ... 6000	3 842 992 956 / L
20 pcs	6070	3 842 553 611

**Quick & Easy** (p. 2-7, see fold-out section)

45x45L	3 842 993 737 / ...
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Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17 / F1 (A) <sup>1)</sup>
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

<sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 378 / 456 \text{ mm}$ **FS2****45x45L ON**

	L (mm)	No.
20 pcs	6070	3 842 540 955

**Quick & Easy** (p. 2-7, see fold-out section)

45x45L ON	3 842 993 761 / ...
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Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

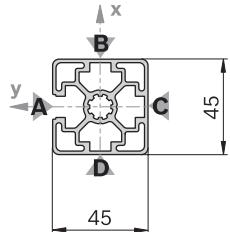
<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 378 / 456 \text{ mm}$

**45x45L 1N**

A = 6,5 cm<sup>2</sup>  
I<sub>x</sub> = 12,6 cm<sup>4</sup>  
I<sub>y</sub> = 13,5 cm<sup>4</sup>  
W<sub>x</sub> = 5,5 cm<sup>3</sup>  
W<sub>y</sub> = 6,0 cm<sup>3</sup>  
m = 1,8 kg/m



19423



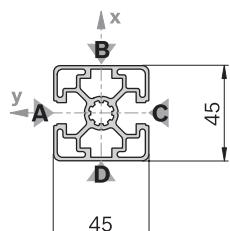
Cover cap: see 45x45

**45x45L 2N**

A = 6,4 cm<sup>2</sup>  
I<sub>x</sub> = 11,6 cm<sup>4</sup>  
I<sub>y</sub> = 13,5 cm<sup>4</sup>  
W<sub>x</sub> = 5,2 cm<sup>3</sup>  
W<sub>y</sub> = 6,0 cm<sup>3</sup>  
m = 1,7 kg/m



19424



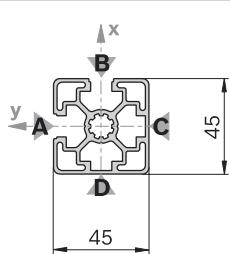
Cover cap: see 45x45

**45x45L 2NVS**

A = 6,4 cm<sup>2</sup>  
I<sub>x</sub> = 12,6 cm<sup>4</sup>  
I<sub>y</sub> = 12,6 cm<sup>4</sup>  
W<sub>x</sub> = 5,6 cm<sup>3</sup>  
W<sub>y</sub> = 5,6 cm<sup>3</sup>  
m = 1,7 kg/m



19425



Cover cap: see 45x45

**45x45L 1N**

		L (mm)	No.
1 pc		50 ... 6070	3 842 992 401 / L
20 pcs		6070	3 842 557 222

Quick &amp; Easy (p. 2-7, see fold-out section)

**45x45L 1N** 3 842 993 738 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17
Customized profile finishing (L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>
<sup>1)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 378 / 456 mm	

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 378 / 456 mm**45x45L 2N** 3 842 992 403 / L

1 pc		50 ... 6070	3 842 992 403 / L
20 pcs		6070	3 842 557 224

Quick &amp; Easy (p. 2-7, see fold-out section)

**45x45L 2N** 3 842 993 739 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17
Customized profile finishing (L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>
<sup>1)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 378 / 456 mm	

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 378 / 456 mm**45x45L 2NVS** 3 842 992 402 / L

1 pc		50 ... 6070	3 842 992 402 / L
20 pcs		6070	3 842 557 223

Quick &amp; Easy (p. 2-7, see fold-out section)

**45x45L 2NVS** 3 842 993 740 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17
Customized profile finishing (L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>
<sup>1)</sup> DG <sub>max</sub> = 45°; L <sub>min1</sub> / L <sub>min2</sub> = 378 / 456 mm	

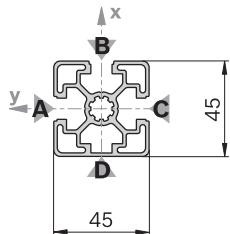
<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 378 / 456 mm

**45x45L 3N**

A = 6,2 cm<sup>2</sup>  
 I<sub>x</sub> = 12,6 cm<sup>4</sup>  
 I<sub>y</sub> = 11,7 cm<sup>4</sup>  
 W<sub>x</sub> = 5,4 cm<sup>3</sup>  
 W<sub>y</sub> = 5,2 cm<sup>3</sup>  
 m = 1,7 kg/m



Cover cap: see 45x45

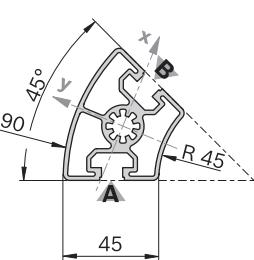
**45x30°**

A = 6,9 cm<sup>2</sup>  
 I<sub>x</sub> = 12,7 cm<sup>4</sup>  
 I<sub>y</sub> = 15,2 cm<sup>4</sup>  
 W<sub>x</sub> = 5,0 cm<sup>3</sup>  
 W<sub>y</sub> = 5,3 cm<sup>3</sup>  
 m = 1,9 kg/m

**Cover cap**

	Color	ESD	No.
45x30° (1x)	Signal gray	20	3 842 551 020
45x30° (1x)	Black	20	3 842 551 021

Material:

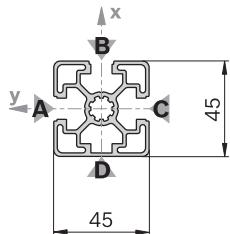
**45x45°**

A = 7,6 cm<sup>2</sup>  
 I<sub>x</sub> = 13,4 cm<sup>4</sup>  
 I<sub>y</sub> = 21,4 cm<sup>4</sup>  
 W<sub>x</sub> = 5,2 cm<sup>3</sup>  
 W<sub>y</sub> = 6,4 cm<sup>3</sup>  
 m = 2,0 kg/m

**Cover cap**

	Color	ESD	No.
45x45° (1x)	Signal gray	20	3 842 551 022
45x45° (1x)	Black	20	3 842 551 023

Material:

**45x45L 3N**

L (mm)	No.
1 pc	50 ... 6070 3 842 992 404 / L
20 pcs	6070 3 842 557 225

2

**Quick & Easy** (p. 2-7, see fold-out section)**45x45L 3N** 3 842 993 741 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17

Customized profile finishing (L <sub>max</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>1</sup>
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<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 378 / 456 mm**45x30°** L (mm) No.

L (mm)	No.
1 pc	50 ... 6070 3 842 993 013 / L
20 pcs	6070 3 842 557 954

**Quick & Easy** (p. 2-7, see fold-out section)**45x30°** 3 842 993 733 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12

Customized profile finishing	—
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**45x45°** L (mm) No.

L (mm)	No.
1 pc	50 ... 6070 3 842 993 014 / L
20 pcs	6070 3 842 557 955

**Quick & Easy** (p. 2-7, see fold-out section)**45x45°** 3 842 993 735 / ...

Length L (mm)	50 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)	M12

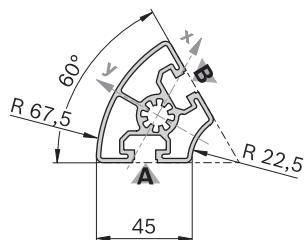
Customized profile finishing	—
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**45x60°**

$A = 6,8 \text{ cm}^2$   
 $I_x = 11,4 \text{ cm}^4$   
 $I_y = 16,9 \text{ cm}^4$   
 $W_x = 4,4 \text{ cm}^3$   
 $W_y = 5,2 \text{ cm}^3$   
 $m = 1,8 \text{ kg/m}$



19429

**Cover cap**

Cover cap	Color	ESD	No.
45x60° (1x)	Signal gray	20	3 842 551 024
45x60° (1x)	Black	20	3 842 551 025

Material:

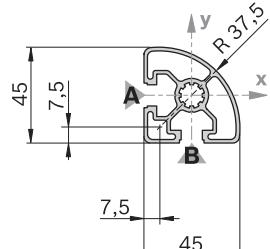
PP

**45x45L R**

$A = 4,9 \text{ cm}^2$   
 $I_x = 8,6 \text{ cm}^4$   
 $I_y = 8,6 \text{ cm}^4$   
 $W_x = 5,0 \text{ cm}^3$   
 $W_y = 5,0 \text{ cm}^3$   
 $m = 1,3 \text{ kg/m}$



19430

**Cover cap**

Cover cap	Color	ESD	No.
45x45 R (1x)	Signal gray	20	3 842 548 800
45x45 R (1x)	Black	20	3 842 548 801

Material:

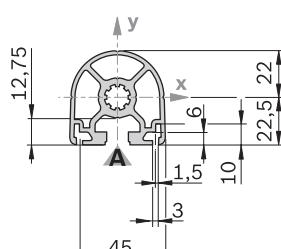
PP

**45x45 HR**

$A = 6,6 \text{ cm}^2$   
 $I_x = 11,0 \text{ cm}^4$   
 $I_y = 10,7 \text{ cm}^4$   
 $W_x = 4,4 \text{ cm}^3$   
 $W_y = 4,8 \text{ cm}^3$   
 $m = 1,8 \text{ kg/m}$



19431

**Cover cap**

Cover cap	Color	ESD	No.
45x45 HR (1x)	Signal gray	20	3 842 548 798
45x45 HR (1x)	Black	20	3 842 548 799

Material:

PP

**45x60°**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 015 / L
20 pcs	6070 3 842 557 956

**Quick & Easy** (p. 2-7, see fold-out section)

45x60°	3 842 993 744 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12  
(note minimum length, p. 2-24)

Customized profile finishing —

**45x45L R**

L (mm)	No.
1 pc	50 ... 6070 3 842 992 897 / L
20 pcs	6070 3 842 557 948

**Quick & Easy** (p. 2-7, see fold-out section)

45x45 L R	3 842 993 742 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / DB17  
(note minimum length, p. 2-24)

Customized profile finishing —

**45x45 HR**

L (mm)	No.
1 pc	50 ... 6070 3 842 992 945 / L
1 pc M12	60 ... 6000 3 842 993 001 / L
1 pc M12 M12	110 ... 6000 3 842 992 999 / L
20 pcs	6070 3 842 557 957

**Quick & Easy** (p. 2-7, see fold-out section)

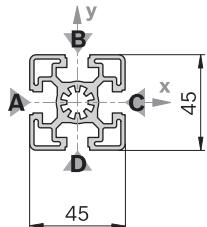
45x45 HR	3 842 993 736 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / DB17  
(note minimum length, p. 2-24)Customized profile finishing DI / DIS / MT / MTS /  
( $L_{\max i} = 5400 \text{ mm}$ ) MI / MIS / DG<sup>1)</sup><sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 378 / 456 \text{ mm}$

**45x45**

$A = 7,5 \text{ cm}^2$   
 $I_x = 13,8 \text{ cm}^4$   
 $I_y = 13,8 \text{ cm}^4$   
 $W_x = 6,1 \text{ cm}^3$   
 $W_y = 6,1 \text{ cm}^3$   
 $m = 2,0 \text{ kg/m}$



19432

Cover cap	Color	ESD	No.
45x45 (1x)	Signal gray	100	<b>3 842 548 752</b>
45x45 (1x)	Black	20	<b>3 842 548 753</b>

Material: PP

Cover cap with hole	Color	ESD	No.
45x45 (1x)	Signal gray	20	<b>3 842 548 796</b>
45x45 (1x)	Black	20	<b>3 842 548 797</b>

Material: PP

**45x45**

	L (mm)	No.
1 pc	50 ... 6070	<b>3 842 990 520 / L</b>
1 pc M12	60 ... 6000	<b>3 842 990 517 / L</b>
1 pc M12-M12	110 ... 6000	<b>3 842 990 518 / L</b>
1 pc M12-M16	180 ... 6000	<b>3 842 990 519 / L</b>
1 pc M12-D17	90 ... 6000	<b>3 842 990 640 / L</b>
1 pc M16	120 ... 6000	<b>3 842 990 521 / L</b>
1 pc M16-D17	170 ... 6000	<b>3 842 990 642 / L</b>
1 pc D9,8-D9,8	70 ... 6000	<b>3 842 992 969 / L</b>
1 pc D17	60 ... 6000	<b>3 842 990 648 / L</b>
1 pc D17-D17	80 ... 6000	<b>3 842 990 644 / L</b>
1 pc D17-D17V	80 ... 6000	<b>3 842 990 646 / L</b>
20 pcs	6070	<b>3 842 553 614</b>

**Quick & Easy** (p. 2-7, see fold-out section)

45x45	<b>3 842 993 734 / ...</b>
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / M16 / D9.8 / D17 / DB17
Customized profile finishing ( $L_{\max 1} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

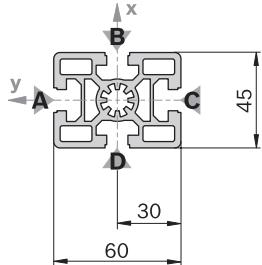
<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 378 / 456 \text{ mm}$

**45x60**

$A = 11,0 \text{ cm}^2$   
 $I_x = 37,2 \text{ cm}^4$   
 $I_y = 22,7 \text{ cm}^4$   
 $W_x = 12,4 \text{ cm}^3$   
 $W_y = 10,1 \text{ cm}^3$   
 $m = 3,0 \text{ kg/m}$



19433



Cover cap	Color	ESD	No.
45x60 (1x)	Signal gray	20	3 842 548 754
45x60 (1x)	Black	Ⓐ 20	3 842 548 755

Material: PP

Cover cap with hole	Color	ESD	No.
45x60 (1x)	Signal gray	20	3 842 548 802
45x60 (1x)	Black	Ⓐ 20	3 842 548 803

Material: PP

**45x60**

L (mm)	No.
1 pc	50 ... 6070 3 842 990 570 / L
1 pc	M12 60 ... 6000 3 842 990 571 / L
1 pc	M12 ⚡ M12 110 ... 6000 3 842 990 572 / L
1 pc	M12 ⚡ M16 180 ... 6000 3 842 990 575 / L
1 pc	M16 120 ... 6000 3 842 990 573 / L
1 pc	D9,8 50 ... 6000 3 842 992 376 / L
1 pc	D17 60 ... 6000 3 842 990 688 / L
1 pc	D17 ⚡ D17 80 ... 6000 3 842 990 672 / L
1 pc	D17 ⚡ D17V 80 ... 6000 3 842 990 674 / L
1 pc	D9,8V 50 ... 6000 3 842 992 375 / L
1 pc	D17V 60 ... 6000 3 842 990 690 / L
1 pc	D17V ⚡ D17V 80 ... 6000 3 842 990 670 / L
1 pc	LF ⚡ LF 80 ... 6000 3 842 993 085 / L
1 pc	F1 ⚡ F1 80 ... 6000 3 842 990 584 / L

20 pcs 6070 3 842 557 200

Profile finishing  
D9,8, D17: in slots B/D  
D9,8V, D17V: in slots A/C  
LF: in slots A/C  
F1: in slot A

**Quick & Easy (p. 2-7, see fold-out section)**

45x60	3 842 993 743 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / M16 / D9,8 / D17  
(note minimum length, p. 2-24) / DB17 / F1 (A,C)<sup>1)</sup>

Customized profile finishing DI / DIS / MT / MTS /  
( $L_{\max i} = 5400 \text{ mm}$ ) MI / MIS / DG<sup>2)</sup>

<sup>1)</sup> For the specified slots

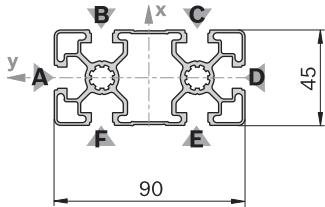
<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 404 / 508 \text{ mm}$

**45x90SL**

$A = 9,0 \text{ cm}^2$   
 $I_x = 73,4 \text{ cm}^4$   
 $I_y = 18,1 \text{ cm}^4$   
 $W_x = 16,3 \text{ cm}^3$   
 $W_y = 8,0 \text{ cm}^3$   
 $m = 2,4 \text{ kg/m}$



19434



Cover cap	Color	ESD	No.
45x90 (1x)	Signal gray	20	3 842 548 756
45x90 (1x)	Black	Ⓐ 20	3 842 548 757

Material: PP

Cover cap with hole	Color	ESD	No.
45x90 (1x)	Signal gray	20	3 842 548 804
45x90 (1x)	Black	Ⓐ 20	3 842 548 805

Material: PP

**45x90SL**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 450 / L
12 pcs	6070 3 842 537 102

**Quick & Easy (p. 2-7, see fold-out section)**

45x90SL	3 842 993 759 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9,8 / D17 /  
(DB17)

Customized profile finishing DI / DIS / DG<sup>1)</sup>  
( $L_{\max i} = 5400 \text{ mm}$ )

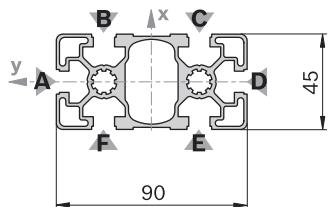
<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 456 / 612 \text{ mm}$

**45x90L**

$A = 11,3 \text{ cm}^2$   
 $I_x = 82,0 \text{ cm}^4$   
 $I_y = 23,6 \text{ cm}^4$   
 $W_x = 18,2 \text{ cm}^3$   
 $W_y = 10,5 \text{ cm}^3$   
 $m = 3,0 \text{ kg/m}$



19435

**Cover cap**

Cover cap	Color	ESD	No.
45x90 (1x)	Signal gray	20	3 842 548 756
45x90 (1x)	Black	20	3 842 548 757

Material: PP

**Cover cap with hole**

Cover cap with hole	Color	ESD	No.
45x90 (1x)	Signal gray	20	3 842 548 804
45x90 (1x)	Black	20	3 842 548 805

Material: PP

**45x90L 2N**

$A = 12,0 \text{ cm}^2$   
 $I_x = 26,9 \text{ cm}^4$   
 $I_y = 85,6 \text{ cm}^4$   
 $W_x = 6,0 \text{ cm}^3$   
 $W_y = 38,1 \text{ cm}^3$   
 $m = 3,2 \text{ kg/m}$



36364

Cover cap: see 45x90

**45x90L**

	L (mm)	No.
1 pc	50 ... 6070	3 842 992 432 / L
1 pc M12	60 ... 6000	3 842 992 453 / L
1 pc M12	110 ... 6000	3 842 992 433 / L
1 pc D17	80 ... 6000	3 842 992 437 / L
1 pc D17	80 ... 6000	3 842 992 436 / L
1 pc D17V	60 ... 6000	3 842 992 452 / L
1 pc D17V	80 ... 6000	3 842 992 435 / L
1 pc LF	80 ... 6000	3 842 993 084 / L
12 pcs	6070	3 842 553 612

Profile finishing:

M12: in all core holes

D17: in slots B/F, C/E

D17V: in slots A/D

LF: in slots A/D

**Quick & Easy** (p. 2-7, see fold-out section)

45x90L	3 842 993 662 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17 / F1 (A,D) <sup>1)</sup>
Customized profile finishing ( $L_{\max 1} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

<sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 456 / 612 \text{ mm}$ **45x90L 2N**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 644 / L
12 pcs	6070	3 842 538 299

**Quick & Easy** (p. 2-7, see fold-out section)

45x90L 2N	3 842 993 751 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / D9.8 / D17 / DB17 / F1 (A,D) <sup>1)</sup>
Customized profile finishing ( $L_{\max 1} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

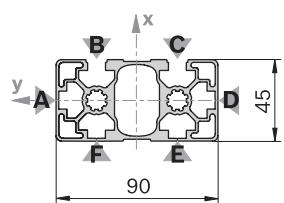
<sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 456 / 612 \text{ mm}$

**45x90L 2NVS**

$A = 12,0 \text{ cm}^2$   
 $I_x = 25,9 \text{ cm}^4$   
 $I_y = 90,6 \text{ cm}^4$   
 $W_x = 5,7 \text{ cm}^3$   
 $W_y = 40,3 \text{ cm}^3$   
 $m = 3,3 \text{ kg/m}$



33096



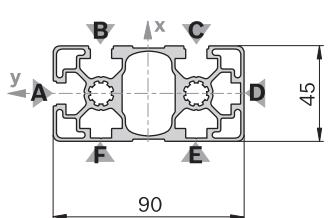
Cover cap: see 45x90

**45x90L 3NVS**

$A = 11,8 \text{ cm}^2$   
 $I_x = 87,2 \text{ cm}^4$   
 $I_y = 25,2 \text{ cm}^4$   
 $W_x = 38,8 \text{ cm}^3$   
 $W_y = 5,6 \text{ cm}^3$   
 $m = 3,2 \text{ kg/m}$



19437



Cover cap: see 45x90

**45x90L 2NVS****L (mm)**

No. 3 842 555 652



12 pcs

6070

**Quick & Easy**

(p. 2-7, see fold-out section)

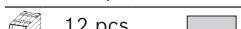
**45x90L 2NVS**

3 842 993 770 / ...

Length L (mm) 50 ... 6070

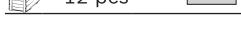
Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9.8 / D17 /  
(note minimum length, p. 2-24) DB17Customized profile finishing DI / DIS / MT / MTS /  
( $L_{\max i} = 5400 \text{ mm}$ ) MI / MIS / DG<sup>1)</sup><sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 456 / 612 \text{ mm}$ **45x90L 3NVS****L (mm)**

No. 3 842 993 635 / L



1 pc

50 ... 6070



No. 3 842 538 298

**Quick & Easy**

(p. 2-7, see fold-out section)

**45x90L 3NVS**

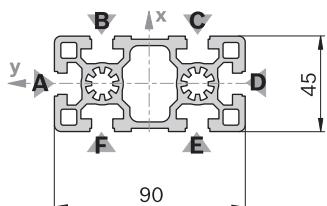
3 842 993 752 / ...

Length L (mm) 50 ... 6070

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  M12 / D9.8 / D17 /  
(note minimum length, p. 2-24) DB17Customized profile finishing DI / DIS / MT / MTS /  
( $L_{\max i} = 5400 \text{ mm}$ ) MI / MIS / DG<sup>1)</sup><sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 456 / 612 \text{ mm}$

**45x90**

$A = 15,4 \text{ cm}^2$   
 $I_x = 124,6 \text{ cm}^4$   
 $I_y = 32,8 \text{ cm}^4$   
 $W_x = 27,7 \text{ cm}^3$   
 $W_y = 14,6 \text{ cm}^3$   
 $m = 4,2 \text{ kg/m}$



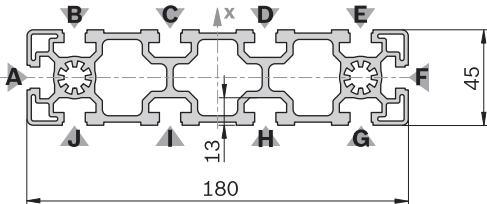
Cover cap	Color	ESD	No.
45x90 (1x)	Signal gray	20	3 842 548 756
45x90 (1x)	Black	20	3 842 548 757

Cover cap with hole	Color	ESD	No.
45x90 (1x)	Signal gray	20	3 842 548 804
45x90 (1x)	Black	20	3 842 548 805

Material: PP

**45x180**

$A = 25,5 \text{ cm}^2$   
 $I_x = 766,7 \text{ cm}^4$   
 $I_y = 57,3 \text{ cm}^4$   
 $W_x = 85,2 \text{ cm}^3$   
 $W_y = 25,5 \text{ cm}^3$   
 $m = 6,9 \text{ kg/m}$



Cover cap	Color	ESD	No.
45x180 (1x)	Signal gray	20	3 842 548 794
45x180 (1x)	Black	20	3 842 548 795

Material: PP

**45x90**

L (mm)	No.
1 pc	50 ... 6070 3 842 990 300 / L
1 pc M12	60 ... 6000 3 842 990 301 / L
1 pc M12M12	110 ... 6000 3 842 990 302 / L
1 pc M12D17	90 ... 6000 3 842 990 323 / L
1 pc M12D17V	90 ... 6000 3 842 990 305 / L
1 pc M16	120 ... 6000 3 842 990 303 / L
1 pc M16M16	240 ... 6000 3 842 990 304 / L
1 pc M16D17	170 ... 6000 3 842 990 325 / L
1 pc M16D17V	170 ... 6000 3 842 990 307 / L
1 pc D17	60 ... 6000 3 842 990 329 / L
1 pc D17D17	80 ... 6000 3 842 990 313 / L
1 pc D17D17V	80 ... 6000 3 842 990 311 / L
1 pc D17V	60 ... 6000 3 842 990 331 / L
1 pc D17VD17V	80 ... 6000 3 842 990 309 / L

Profile finishing: 12 pcs 6070 3 842 553 615

Profile finishing: M12, M16: in all core holes  
D17: in slots B/F, C/E  
D17V: in slots A/D

**Quick & Easy** (p. 2-7, see fold-out section)

45x90	3 842 993 661 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / M16 / D9.8 / D17 / DB17 / F1 (A,D) <sup>1)</sup>
Customized profile finishing ( $L_{\max} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

<sup>1)</sup> For the specified slots

<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 456 / 612 \text{ mm}$

**45x180**

L (mm)	No.
1 pc	50 ... 6070 3 842 990 335 / L
1 pc M12	60 ... 6000 3 842 990 336 / L
1 pc M12M12	110 ... 6000 3 842 990 339 / L
1 pc D17D17	80 ... 6000 3 842 990 342 / L
1 pc D17VD17V	80 ... 6000 3 842 990 344 / L

Profile finishing: 6 pcs 6070 3 842 553 616  
M12: in all core holes  
D17: in slots B/J, E/G  
D17V: in slots A/F

**Quick & Easy** (p. 2-7, see fold-out section)

45x180	3 842 993 731 / ...
Length L (mm)	80 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / M16 / D9.8 (B,C,D,E,G,H,I,J) <sup>1)</sup> / D17 (B,C,D,E,G,H,I,J) <sup>1)</sup> / DB17 / F1 (A,F) <sup>1)</sup>

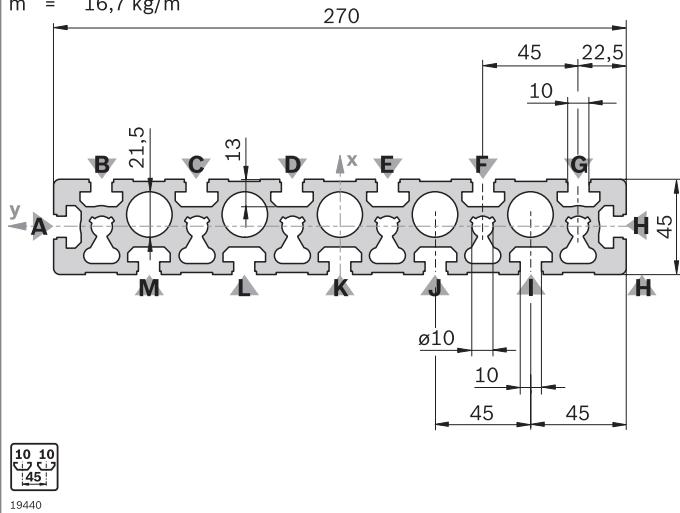
Customized profile finishing  
( $L_{\max} = 5400 \text{ mm}$ ) DI / DIS / MT / MTS /  
MI / MIS / DG<sup>2)</sup>

<sup>1)</sup> For the specified slots

<sup>2)</sup>  $DG_{\max} = 30^\circ$ ;  $L_{\min 1} / L_{\min 2} = 404 / 508 \text{ mm}$

**45x270**

$A = 61,9 \text{ cm}^2$   
 $I_x = 3962,0 \text{ cm}^4$   
 $I_y = 118,0 \text{ cm}^4$   
 $W_x = 300,2 \text{ cm}^3$   
 $W_y = 61,6 \text{ cm}^3$   
 $m = 16,7 \text{ kg/m}$



Cover cap	Color	ESD	No.
45x90 (3x)	Signal gray	20	3 842 548 756
45x90 (3x)	Black	20	3 842 548 757

**45x90x90L**

$A = 21,2 \text{ cm}^2$   
 $I_x = 152,1 \text{ cm}^4$   
 $I_y = 152,1 \text{ cm}^4$   
 $W_x = 19,1 \text{ cm}^3$   
 $W_y = 19,1 \text{ cm}^3$   
 $m = 5,7 \text{ kg/m}$



Cover cap	Color	ESD	No.
45x90x90 (1x)	Signal gray	20	3 842 548 806
45x90x90 (1x)	Black	20	3 842 548 807

Material: PP

Cover cap with hole <sup>1)</sup>	Color	ESD	No.
45x90x90 (1x)	Signal gray	20	3 842 548 806
45x90x90 (1x)	Black	20	3 842 548 807

Material: PP

<sup>1)</sup> The cover cap is also suitable for use with a hole, which can be broken out

**45x270****L (mm) No.**

1 pc		50 ... 6000	3 842 992 927 / L
1 pc		110 ... 6000	3 842 992 928 / L

	2 pcs		6070 3 842 557 949
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Profile finishing: M12: in core holes with C, F slots

**Quick & Easy (p. 2-7, see fold-out section)****45x270****3 842 993 732 / ...**

Length L (mm) 80 ... 6000

Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  (note minimum length, p. 2-24)  
M12 / D9.8 (B,C,D,E,F,G,  
I,J,K,L,M)<sup>1)</sup> / D17 (B,C,  
D,E,F,G,I,J,K,L,M)<sup>1)</sup> /  
DB17 / F1 (A,H)<sup>1)</sup>

Customized profile finishing  
( $L_{\max i} = 5400 \text{ mm}$ ) DI / DIS / MT / MTS /  
MI / MIS

<sup>1)</sup> For the specified slots**45x90x90L****L (mm) No.**

1 pc		50 ... 6070	3 842 992 387 / L
1 pc		60 ... 6000	3 842 992 388 / L

	8 pc		6070 3 842 537 823
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Profile finishing: M12: in the central bore at the intersection of slots A and H

**Quick & Easy (p. 2-7, see fold-out section)****45x90x90L****3 842 993 682 / ...**

Length L (mm) 50 ... 6070

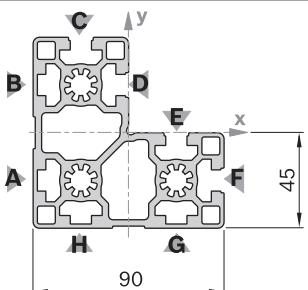
Standard profile finishing  $L_{\max} = 6000 \text{ mm}$  (note minimum length, p. 2-24)  
M12 / D9.8 / D17 / DB17 (A,B,C,F,G,H)<sup>1)</sup>

Customized profile finishing  
( $L_{\max i} = 5400 \text{ mm}$ ) DI / DIS / MT / MTS /  
MI / MIS / DG<sup>2)</sup>

<sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min 1} / L_{\min 2} = 456 / 612 \text{ mm}$

**45x90x90L 4N**

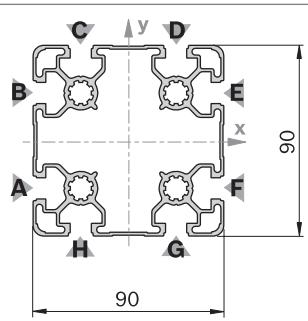
A = 22,1 cm<sup>2</sup>  
 I<sub>x</sub> = 160,8 cm<sup>4</sup>  
 I<sub>y</sub> = 160,8 cm<sup>4</sup>  
 W<sub>x</sub> = 30,6 cm<sup>3</sup>  
 W<sub>y</sub> = 30,6 cm<sup>3</sup>  
 m = 6,0 kg/m



Cover cap: see 45x90x90L

**90x90SL**

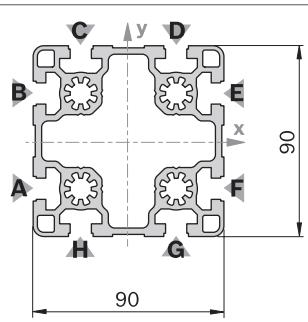
A = 14,1 cm<sup>2</sup>  
 I<sub>x</sub> = 130,2 cm<sup>4</sup>  
 I<sub>y</sub> = 130,2 cm<sup>4</sup>  
 W<sub>x</sub> = 28,9 cm<sup>3</sup>  
 W<sub>y</sub> = 28,9 cm<sup>3</sup>  
 m = 3,8 kg/m



Cover cap: see 90x90L

**90x90L**

A = 24,1 cm<sup>2</sup>  
 I<sub>x</sub> = 211,1 cm<sup>4</sup>  
 I<sub>y</sub> = 211,1 cm<sup>4</sup>  
 W<sub>x</sub> = 46,9 cm<sup>3</sup>  
 W<sub>y</sub> = 46,9 cm<sup>3</sup>  
 m = 6,5 kg/m



Cover cap	Color	ESD	No.
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90x90L (1x)	Signal gray	20	3 842 548 758
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90x90L (1x)	Black	20	3 842 548 759
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Material: PP

**45x90x90L 4N**

L (mm)	No.
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8 pc	6070 3 842 547 827
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2

Quick &amp; Easy (p. 2-7, see fold-out section)

**45x90x90L 4N** 3 842 993 764

Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm M12 / D9.8 / D17 / DB17 (A,B,C,F,G,H)<sup>1)</sup>Customized profile finishing (L<sub>max</sub><sub>i</sub> = 5400 mm) DI / DIS / MT / MTS / MI / MIS / DG<sup>2)</sup><sup>1)</sup> For the specified slots<sup>2)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 456 / 612 mm**90x90SL** L (mm) No.

1 pc	50 ... 6070	3 842 993 449 / L
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6 pcs	6070	3 842 537 100
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Quick &amp; Easy (p. 2-7, see fold-out section)

**90x90SL** 3 842 993 681 / ...

Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm M12 / D9.8 / D17 / DB17Customized profile finishing (L<sub>max</sub><sub>i</sub> = 5400 mm) DI / DIS / DG<sup>1)</sup><sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 456 / 612 mm**90x90L** L (mm) No.

1 pc	50 ... 6070	3 842 992 415 / L
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1 pc M12	60 ... 6000	3 842 992 416 / L
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1 pc M12	110 ... 6000	3 842 992 422 / L
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1 pc M12	90 ... 6000	3 842 992 423 / L
----------	-------------	-------------------

1 pc D17	60 ... 6000	3 842 992 417 / L
----------	-------------	-------------------

1 pc D17	80 ... 6000	3 842 992 420 / L
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1 pc D17	80 ... 6000	3 842 992 421 / L
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1 pc LF	80 ... 6000	3 842 992 418 / L
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1 pc LF	90 ... 6000	3 842 992 419 / L
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6 pcs	6070	3 842 553 613
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Profile finishing:

M12: in all core holes

D17: in slots C/H, D/G

D17V: in slots A/F, B/E

LF: in slots C/H, D/G

Quick &amp; Easy (p. 2-7, see fold-out section)

**90x90L** 3 842 993 680 / ...

Length L (mm) 50 ... 6070

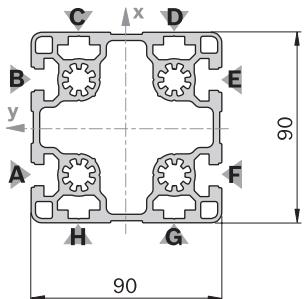
Standard profile finishing L<sub>max</sub> = 6000 mm M12 / D9.8 / D17 / DB17Customized profile finishing (L<sub>max</sub><sub>i</sub> = 5400 mm) DI / DIS / MT / MTS / MI / MIS / DG<sup>1)</sup><sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 456 / 612 mm

**90x90L 4N**

A = 24,2 cm<sup>2</sup>  
 I<sub>x</sub> = 227,4 cm<sup>4</sup>  
 I<sub>y</sub> = 214,7 cm<sup>4</sup>  
 W<sub>x</sub> = 50,5 cm<sup>3</sup>  
 W<sub>y</sub> = 47,7 cm<sup>3</sup>  
 m = 6,5 kg/m



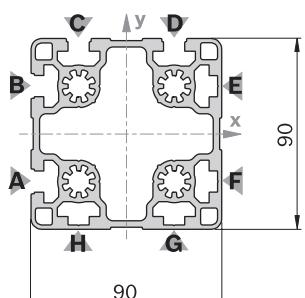
Cover cap: see 90x90L

**90x90L 4NVS**

A = 24,2 cm<sup>2</sup>  
 I<sub>x</sub> = 220,9 cm<sup>4</sup>  
 I<sub>y</sub> = 220,9 cm<sup>4</sup>  
 W<sub>x</sub> = 49,2 cm<sup>3</sup>  
 W<sub>y</sub> = 49,2 cm<sup>3</sup>  
 m = 6,5 kg/m



Cover cap: see 90x90L

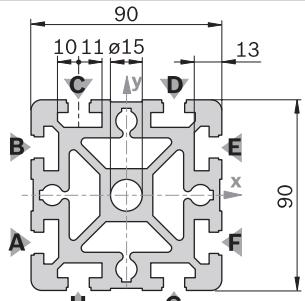
**90x90**

A = 38,4 cm<sup>2</sup>  
 I<sub>x</sub> = 299,8 cm<sup>4</sup>  
 I<sub>y</sub> = 299,8 cm<sup>4</sup>  
 W<sub>x</sub> = 66,7 cm<sup>3</sup>  
 W<sub>y</sub> = 66,7 cm<sup>3</sup>  
 m = 10,4 kg/m



Cover cap	Color	ESD	No.
90x90 (1x)	Signal gray	20	3 842 548 760
90x90 (1x)	Black	20	3 842 548 761

Material: PP



Cover cap with hole	Color	ESD	No.
90x90 (1x)	Signal gray	20	3 842 548 814
90x90 (1x)	Black	20	3 842 548 815

Material: PP

**Notice:** A quick connector cannot be used**90x90L 4N**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 628 / L
6 pcs	6070 3 842 538 297

**Quick & Easy** (p. 2-7, see fold-out section)

90x90L 4N	3 842 993 755 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm M12 / D9.8 / D17 / (note minimum length, p. 2-24) DB17Customized profile finishing (L<sub>max i</sub> = 5400 mm) DI / DIS / MT / MTS / MI / MIS / DG<sup>1</sup>)<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 456 / 612 mm**90x90L 4NVS**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 621 / L
6 pcs	6070 3 842 538 296

**Quick & Easy** (p. 2-7, see fold-out section)

90x90L 4NVS	3 842 993 756 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm M12 / D9.8 / D17 / (note minimum length, p. 2-24) DB17Customized profile finishing (L<sub>max i</sub> = 5400 mm) DI / DIS / MT / MTS / MI / MIS / DG<sup>1</sup>)<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 456 / 612 mm**90x90**

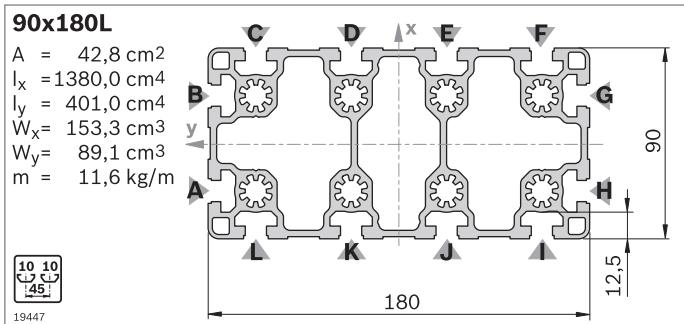
L (mm)	No.
1 pc	50 ... 6070 3 842 990 500 / L
1 pc M16	120 ... 6000 3 842 990 501 / L
1 pc M16 : M16	240 ... 6000 3 842 990 502 / L
1 pc M16 : D17	170 ... 6000 3 842 992 961 / L
1 pc D17	60 ... 6000 3 842 990 092 / L
1 pc D17 : D17	80 ... 6000 3 842 990 093 / L
1 pc D17 : D17V	80 ... 6000 3 842 990 094 / L
1 pc LF : LF	80 ... 6000 3 842 993 082 / L
1 pc F2	60 ... 6000 3 842 990 505 / L
1 pc F2 : F2	110 ... 6000 3 842 990 507 / L
6 pcs	6070 3 842 557 201

**Quick & Easy** (p. 2-7, see fold-out section)

90x90	3 842 993 679 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm M16 / D9.8 / D17 / (note minimum length, p. 2-24) DB17 / F1Customized profile finishing (L<sub>max i</sub> = 5400 mm) DI / DIS / MT / MTS / MI / MIS / DG<sup>1</sup>)<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 456 / 612 mm



Cover cap	Color	ESD	No.
90x90L (2x)	Signal gray	20	3 842 548 758
90x90L (2x)	Black	20	3 842 548 759

Material: PP

<b>90x180L</b>		L (mm)	No.
1 pc		50 ... 6070	3 842 992 857 / L
1 pc	M12	60 ... 6000	3 842 992 858 / L
1 pc	M12	110 ... 6000	3 842 992 859 / L
1 pc	M12	90 ... 6000	3 842 992 860 / L
1 pc	D17V	90 ... 6000	3 842 992 864 / L
1 pc	LF	80 ... 6000	3 842 992 861 / L
3 pcs		6070	3 842 557 226

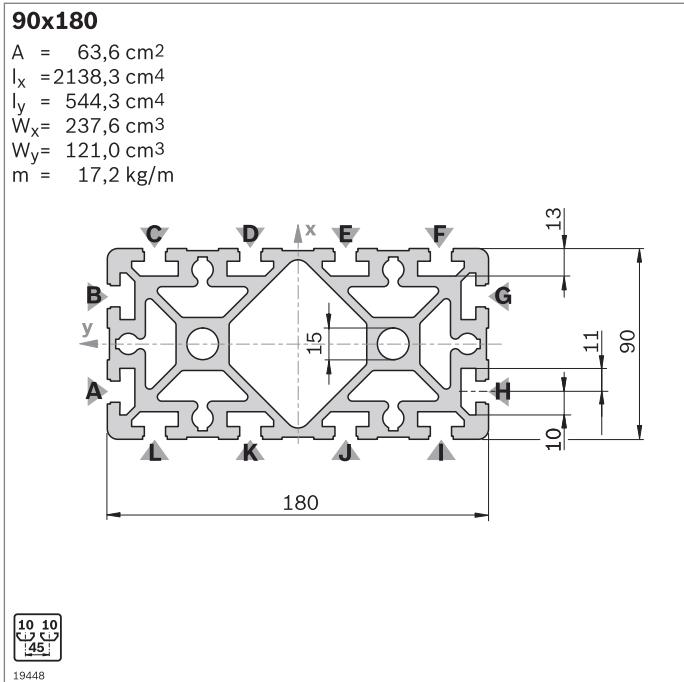
Profile finishing:  
M12: in all core holes  
D17V: in slots A/H, B/G  
LF: in slots A/H, B/G

#### Quick & Easy (p. 2-7, see fold-out section)

<b>90x180L</b>		3 842 993 677 / ...
Length L (mm)		80 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)		M12 / D9.8 (C,D,E,F,I, J,K,L) <sup>1)</sup> / D17 (C,D,E, F,I,J,K,L) <sup>1)</sup> / DB17 / F1 (A,G) <sup>1)</sup>
Customized profile finishing (L <sub>max</sub> = 5400 mm)		DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

<sup>1)</sup> For the specified slots

<sup>2)</sup> DG<sub>max</sub> = 30°; L<sub>min1</sub> / L<sub>min2</sub> = 404 / 508 mm



Cover cap	Color	ESD	No.
90x90 (2x)	Signal gray	20	3 842 548 760
90x90 (2x)	Black	20	3 842 548 761

Material: PP

Cover cap with hole	Color	ESD	No.
90x90 (2x)	Signal gray	20	3 842 548 814
90x90 (2x)	Black	20	3 842 548 815

Material: PP

<b>90x180</b>		L (mm)	No.
1 pc		50 ... 6070	3 842 990 416 / L
1 pc	M16	120 ... 6000	3 842 990 417 / L
1 pc	M16	240 ... 6000	3 842 990 418 / L
1 pc	M16	170 ... 6000	3 842 990 419 / L
1 pc	D17V	80 ... 6000	3 842 992 378 / L
1 pc	LF	80 ... 6000	3 842 992 898 / L
1 pc	LF-S	80 ... 6000	3 842 993 081 / L
1 pc	F2	110 ... 6000	3 842 990 421 / L
3 pcs		6070	3 842 553 617

Profile finishing:  
M16: in all core holes  
D17V: in slots A/H, B/G  
LF: in slots A/H, B/G  
LF-S: in slots D/K, E/J

#### Quick & Easy (p. 2-7, see fold-out section)

<b>90x180</b>		3 842 993 676 / ...
Length L (mm)		80 ... 6070
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)		M16 / D9.8 (C,D,E,F,I, K,L) <sup>1)</sup> / D17 (C,D,E,F,I, K,L) <sup>1)</sup> / DB17 / F1 (A,G) <sup>1)</sup>

Customized profile finishing  
(L<sub>max</sub> = 5400 mm)

DI / DIS / MT / MTS /  
MI / MIS / DG<sup>2)</sup>

<sup>1)</sup> For the specified slots

<sup>2)</sup> DG<sub>max</sub> = 30°; L<sub>min1</sub> / L<sub>min2</sub> = 404 / 508 mm

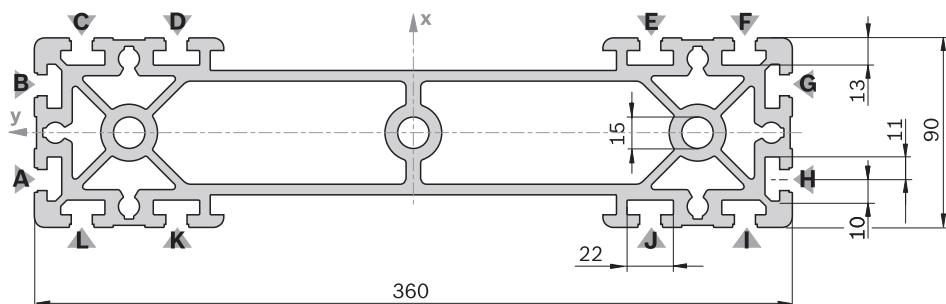
**Notice:** A quick connector cannot be used with profile 90x180

**90x360**

$A = 90,2 \text{ cm}^2$   
 $I_x = 14065,0 \text{ cm}^4$   
 $I_y = 710,0 \text{ cm}^4$   
 $W_x = 781,4 \text{ cm}^3$   
 $W_y = 157,7 \text{ cm}^3$   
 $m = 24,4 \text{ kg/m}$



19449

**Cover cap**

Cover cap	Color	ESD	No.
90x90 (2x)	Signal gray	20	3 842 548 760
90x90 (2x)	Black	20	3 842 548 761

Material: PP

**Cover cap with hole**

Cover cap with hole	Color	ESD	No.
90x90 (2x)	Signal gray	20	3 842 548 814
90x90 (2x)	Black	20	3 842 548 815

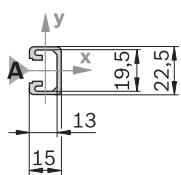
Material: PP

**Notice:** A quick connector cannot be used**15x22,5**

$A = 1,3 \text{ cm}^2$   
 $I_x = 0,8 \text{ cm}^4$   
 $I_y = 0,3 \text{ cm}^4$   
 $W_x = 0,9 \text{ cm}^3$   
 $W_y = 0,6 \text{ cm}^3$   
 $m = 0,3 \text{ kg/m}$



19450

**Cover cap**

Cover cap	Color	ESD	No.
15x22,5 (1x)	Signal gray	20	3 842 548 816
15x22,5 (1x)	Black	20	3 842 548 817

Material: PP

**90x360**

L (mm)	No.
50 ... 6000	3 842 993 434 / L
M16 E M16	240 ... 6000 3 842 993 435 / L
F2 H F2	110 ... 6000 3 842 993 436 / L

Profile finishing: M16: in all core holes

**Quick & Easy** (p. 2-7, see fold-out section)

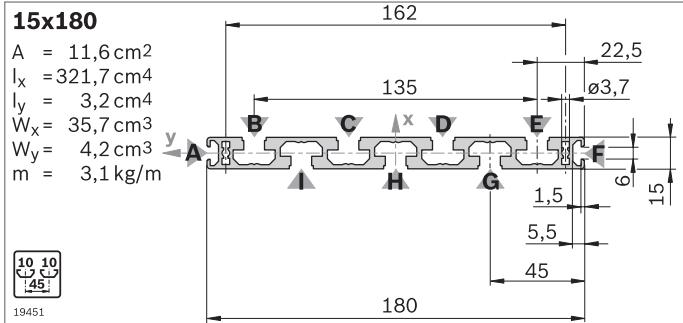
90x360	3 842 993 678 / ...
Length L (mm)	80 ... 6000
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M16 / D9,8 (C,D,E,F,I,J, K,L) <sup>1)</sup> / D17 (C,D,E,F,I,J, K,L) <sup>1)</sup> / DB17 / F1 (A,G) <sup>1)</sup>
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS

<sup>1)</sup> For the specified slots**15x22,5**

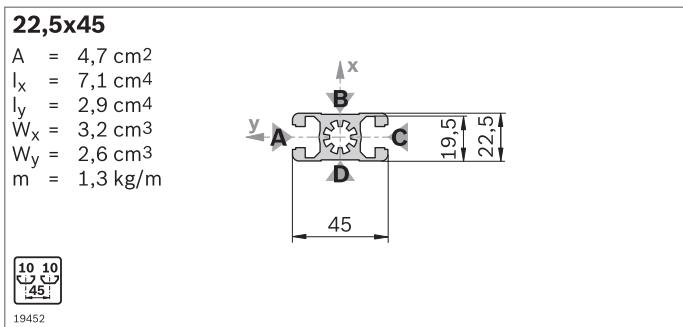
L (mm)	No.
1 pc	50 ... 3000 3 842 992 473 / L
1 pc D17	60 ... 3000 3 842 992 474 / L
1 pc D17 D17	80 ... 3000 3 842 992 475 / L
10 pcs	2000 3 842 513 576

**Quick & Easy** (p. 2-7, see fold-out section)

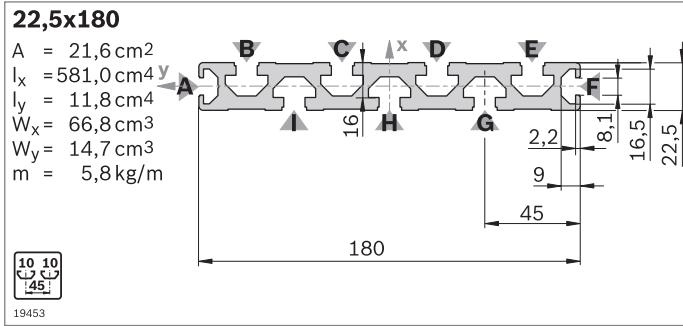
15x22,5	3 842 993 689 / ...
Length L (mm)	50 ... 2000
Standard profile finishing (note minimum length, p. 2-24)	D9,8 / D17
Customized profile finishing	—



Cover cap	Color	ESD	No.
15x180 (1x)	Signal gray	20	3 842 548 772
15x180 (1x)	Black	20	3 842 548 773



Cover cap	Color	ESD	No.
22,5x45 (1x)	Signal gray	20	3 842 548 830
22,5x45 (1x)	Black	20	3 842 548 831



Cover cap	Color	ESD	No.
22,5x180 (1x)	Signal gray	20	3 842 548 770
22,5x180 (1x)	Black	20	3 842 548 771

Material: PP

<b>15x180</b>		L (mm)	No.
1 pc		50 ... 6070	3 842 993 079 / L
6 pcs		6070	3 842 557 242

**Quick & Easy** (p. 2-7, see fold-out section)

<b>15x180</b>		3 842 993 686 / ...
Length L (mm)		80 ... 6070
Standard profile finishing L <sub>max</sub>	= 6000 mm	D9.8 (B,C,D,E,G,H,I) <sup>1)</sup> / D17 (B,C,D,E,G,H,I) <sup>1)</sup>
(note minimum length, p. 2-24)		
Customized profile finishing	(L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS

<sup>1)</sup> For the specified slots

<b>22,5x45</b>		L (mm)	No.
1 pc		50 ... 6070	3 842 990 292 / L
1 pc	M12	60 ... 6000	3 842 990 087 / L
1 pc	M12  M12	110 ... 6000	3 842 990 090 / L
1 pc	D17V  D17V	80 ... 6000	3 842 990 091 / L
24 pcs		6070	3 842 537 812

**Quick & Easy** (p. 2-7, see fold-out section)

<b>22,5x45</b>		3 842 993 700 / ...
Length L (mm)		50 ... 6070
Standard profile finishing L <sub>max</sub>	= 6000 mm	M12 / D9.8 (A,C) <sup>1)</sup> / D17 / DB17 (A,C) <sup>1)</sup>
(note minimum length, p. 2-24)		
Customized profile finishing	(L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

<sup>1)</sup> For the specified slots

<sup>2)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 378 / 456 mm

<b>22,5x180</b>		L (mm)	No.
1 pc		50 ... 6070	3 842 990 345 / L
6 pcs		6070	3 842 557 944

Profile finishing: D28: in slots G, I

**Quick & Easy** (p. 2-7, see fold-out section)

<b>22,5x180</b>		3 842 993 699 / ...
Length L (mm)		80 ... 6070
Standard profile finishing L <sub>max</sub>	= 6000 mm	D9.8 (B,C,D,E,G,H,I) <sup>1)</sup> / D17 (B,C,D,E,G,H,I) <sup>1)</sup>
(note minimum length, p. 2-24)		
Customized profile finishing	(L <sub>max i</sub> = 5400 mm)	DI / DIS / MT / MTS / MI / MIS

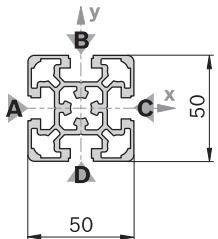
<sup>1)</sup> For the specified slots

**50x50L**

$A = 9,3 \text{ cm}^2$   
 $I_x = 21,2 \text{ cm}^4$   
 $I_y = 21,2 \text{ cm}^4$   
 $W_x = 8,5 \text{ cm}^3$   
 $W_y = 8,5 \text{ cm}^3$   
 $m = 2,5 \text{ kg/m}$



19454

**Cover cap**

	Color	ESD	No.
50x50 (1x)	Signal gray	20	3 842 548 820
50x50 (1x)	Black	Ⓐ	20 3 842 548 821

Material: PP

**Cover cap with hole**

	Color	ESD	No.
50x50 (1x)	Signal gray	20	3 842 548 822
50x50 (1x)	Black	Ⓐ	20 3 842 548 823

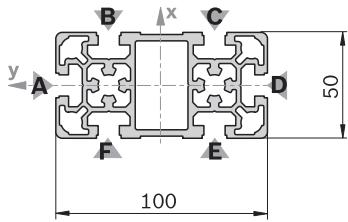
Material: PP

**50x100L**

$A = 17,2 \text{ cm}^2$   
 $I_x = 162,8 \text{ cm}^4$   
 $I_y = 42,6 \text{ cm}^4$   
 $W_x = 32,6 \text{ cm}^3$   
 $W_y = 17,0 \text{ cm}^3$   
 $m = 4,6 \text{ kg/m}$



19455

**Cover cap**

	Color	ESD	No.
50x50 (2x)	Signal gray	20	3 842 548 820
50x50 (2x)	Black	Ⓐ	20 3 842 548 821

Material: PP

**Cover cap with hole**

	Color	ESD	No.
50x50 (2x)	Signal gray	20	3 842 548 822
50x50 (2x)	Black	Ⓐ	20 3 842 548 823

Material: PP

**50x50L**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 156 / L
1 pc	60 ... 6000	3 842 993 157 / L
1 pc	M12 ─ ─ M12	110 ... 6000 3 842 993 158 / L
1 pc	M12 ─ ─ D17	90 ... 6000 3 842 993 159 / L
1 pc	D9,8 ─ ─ D9,8	80 ... 6000 3 842 993 164 / L
1 pc	D17 ─ ─	60 ... 6000 3 842 993 160 / L
1 pc	D17 ─ ─ D17	80 ... 6000 3 842 993 161 / L
1 pc	D17 ─ ─ D17V	80 ... 6000 3 842 993 162 / L
20 pcs	6070	3 842 529 351

**Quick & Easy** (p. 2-7, see fold-out section)

50x50L	3 842 993 665 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / M16 / D9,8 / D17 / DB17
Customized profile finishing ( $L_{\max_i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1)</sup>

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min_1} / L_{\min_2} = 387 / 474 \text{ mm}$ **50x100L**

	L (mm)	No.
1 pc	50 ... 6070	3 842 993 163 / L
1 pc	60 ... 6000	3 842 993 165 / L
1 pc	M12 ─ ─ M12	110 ... 6000 3 842 993 166 / L
1 pc	D17 ─ ─ D17	80 ... 6000 3 842 993 167 / L
1 pc	D17 ─ ─ D17V	80 ... 6000 3 842 993 168 / L
1 pc	D17V ─ ─	60 ... 6000 3 842 993 169 / L
1 pc	D17V ─ ─ D17V	90 ... 6000 3 842 993 170 / L
10 pcs	6070	3 842 537 825

Profile finishing:

M12: in all core holes

D17: in slots B/F, C/E

D17V: in slot A/D

**Quick & Easy** (p. 2-7, see fold-out section)

50x100L	3 842 993 663 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / M16 / D9,8 / D17 / DB17 / F1 (A, D) <sup>1)</sup>
Customized profile finishing ( $L_{\max_i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>

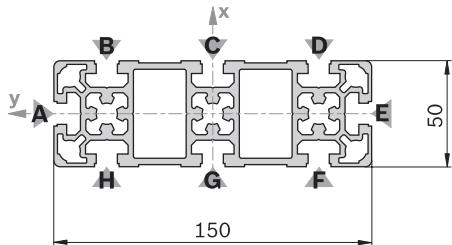
<sup>1)</sup> For the specified slots<sup>2)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min_1} / L_{\min_2} = 474 / 648 \text{ mm}$

**50x150L**

A = 25,8 cm<sup>2</sup>  
 I<sub>x</sub> = 540,0 cm<sup>4</sup>  
 I<sub>y</sub> = 64,2 cm<sup>4</sup>  
 W<sub>x</sub> = 72,0 cm<sup>3</sup>  
 W<sub>y</sub> = 25,7 cm<sup>3</sup>  
 m = 6,9 kg/m



19456

**Cover cap**

Cover cap	Color	ESD	No.
50x150 (1x)	Signal gray	20	3 842 548 818
50x150 (1x)	Black	20	3 842 548 819

Material:

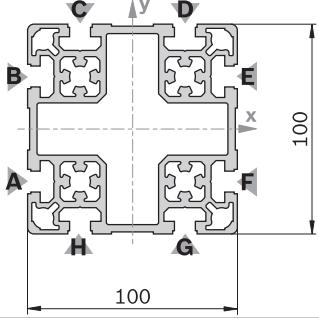
PP

**100x100L**

A = 29,9 cm<sup>2</sup>  
 I<sub>x</sub> = 318,3 cm<sup>4</sup>  
 I<sub>y</sub> = 318,3 cm<sup>4</sup>  
 W<sub>x</sub> = 63,7 cm<sup>3</sup>  
 W<sub>y</sub> = 63,7 cm<sup>3</sup>  
 m = 8,1 kg/m



19457

**Cover cap**

Cover cap	Color	ESD	No.
100x100 (1x)	Signal gray	20	3 842 548 824
100x100 (1x)	Black	20	3 842 548 825

Material:

PP

**50x150L**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 196 / L
1 pc M12	60 ... 6000 3 842 993 194 / L
1 pc M12	110 ... 6000 3 842 993 199 / L
1 pc D17	80 ... 6000 3 842 993 200 / L
4 pcs	6070 3 842 537 826

Profile finishing:

M12: in all core holes  
 D17: in slots B/H, C/G, D/F  
 D17V: in slots A/E

**Quick & Easy** (p. 2-7, see fold-out section)

50x150L	3 842 993 664 / ...
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Length L (mm) 80 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm  
 (note minimum length, p. 2-24)  
 M12 / M16 /  
 D9.8 (B,C,D,F,G,H)<sup>1)</sup> /  
 D17 (B,C,D,F,G,H)<sup>1)</sup> /  
 DB17 / F1 (A,E)<sup>1)</sup>

Customized profile finishing  
 (L<sub>max i</sub> = 5400 mm) DI / DIS / MT / MTS /  
 MI / MIS / DG<sup>2)</sup>

<sup>1)</sup> For the specified slots<sup>2)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 450 / 600 mm**100x100L**

L (mm)	No.
1 pc	50 ... 6070 3 842 993 171 / L
1 pc M12	60 ... 6000 3 842 993 172 / L
1 pc M12	110 ... 6000 3 842 993 173 / L
1 pc M12	90 ... 6000 3 842 993 174 / L
1 pc D17	60 ... 6000 3 842 993 175 / L
1 pc D17	80 ... 6000 3 842 993 176 / L
1 pc D17	80 ... 6000 3 842 993 177 / L
6 pcs	6070 3 842 529 355

Profile finishing:

M12: in all core holes  
 D17: in slots C/H, D/G  
 D17V: in slots A/F, B/E

**Quick & Easy** (p. 2-7, see fold-out section)

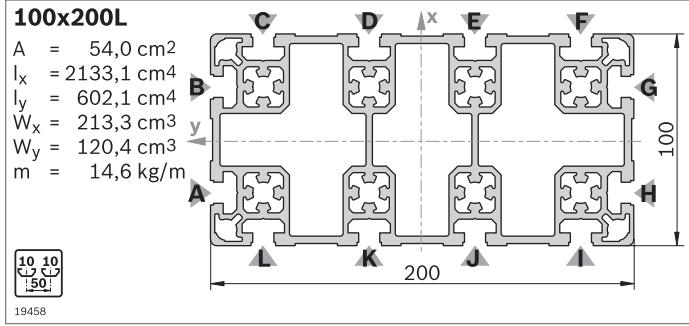
100x100L	3 842 993 685 / ...
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Length L (mm) 50 ... 6070

Standard profile finishing L<sub>max</sub> = 6000 mm  
 (note minimum length, p. 2-24)  
 M12 / M16 / D9.8 /  
 D17 / DB17 / F1

Customized profile finishing  
 (L<sub>max i</sub> = 5400 mm) DI / DIS / MT / MTS /  
 MI / MIS / DG<sup>1)</sup>

<sup>1)</sup> DG<sub>max</sub> = 45°; L<sub>min1</sub> / L<sub>min2</sub> = 474 / 648 mm

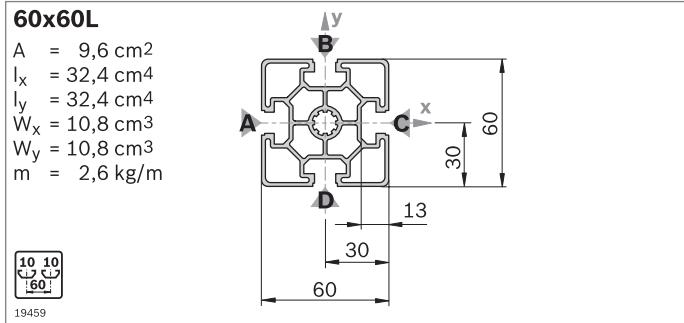


Cover cap	Color	ESD	No.
100x100 (2x)	Signal gray	20	3 842 548 824
100x100 (2x)	Black	Ⓐ 20	3 842 548 825

Material: PP

100x200L		L (mm)	No.
1 pc		50 ... 6070	3 842 993 178 / L
1 pc	M12	60 ... 6000	3 842 993 179 / L
1 pc	M12	110 ... 6000	3 842 993 180 / L
1 pc	M12	90 ... 6000	3 842 993 181 / L
1 pc	D17	60 ... 6000	3 842 993 182 / L
1 pc	D17	80 ... 6000	3 842 993 183 / L
3 pcs		6070	3 842 529 357

Profile finishing:  
M12: in all core holes  
D17: in slots C/L, D/K, E/J, F/I  
D17V: in slots A/H, B/G



Cover cap	Color	ESD	No.
60x60 (1x)	Signal gray	100	3 842 548 808
60x60 (1x)	Black	Ⓐ 20	3 842 548 809

Material: PP

Cover cap with hole	Color	ESD	No.
60x60 (1x)	Signal gray	20	3 842 548 810
60x60 (1x)	Black	Ⓐ 20	3 842 548 811

Material: PP

60x60L		L (mm)	No.
1 pc		50 ... 6070	3 842 992 443 / L
1 pc	M12	60 ... 6000	3 842 992 444 / L
1 pc	M12	110 ... 6000	3 842 992 445 / L
1 pc	M12	90 ... 6000	3 842 992 446 / L
1 pc	D17	60 ... 6000	3 842 992 449 / L
1 pc	D17	80 ... 6000	3 842 992 447 / L
1 pc	D17	80 ... 6000	3 842 992 448 / L
20 pcs		6070	3 842 557 204

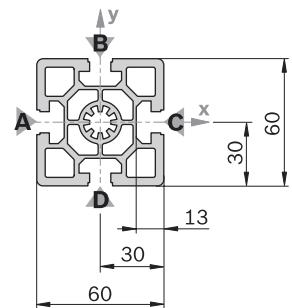
Quick &amp; Easy (p. 2-7, see fold-out section)

60x60L		L (mm)	No.
Length L (mm)		50 ... 6070	3 842 993 670 / ...
Standard profile finishing L <sub>max</sub> = 6000 mm (note minimum length, p. 2-24)		M12 / M16 / D9.8 (C,D,E,F,I,J,K,L) <sup>1)</sup> / D17 (C,D,E,F,I,J,K,L) <sup>1)</sup> / DB17 / F1 (A,G) <sup>1)</sup>	
Customized profile finishing (L <sub>max i</sub> = 5400 mm)		DI / DIS / MT / MTS / MI / MIS / DG <sup>2)</sup>	

<sup>1)</sup> For the specified slots<sup>2)</sup> DG<sub>max</sub> = 30°; L<sub>min</sub> = 416 / 532 mm

**60x60**

$A = 14,4 \text{ cm}^2$   
 $I_x = 52,2 \text{ cm}^4$   
 $I_y = 52,2 \text{ cm}^4$   
 $W_x = 17,4 \text{ cm}^3$   
 $W_y = 17,4 \text{ cm}^3$   
 $m = 3,9 \text{ kg/m}$



Cover cap	Color	ESD	No.
60x60 (1x)	Signal gray	100	3 842 548 808
60x60 (1x)	Black	20	3 842 548 809

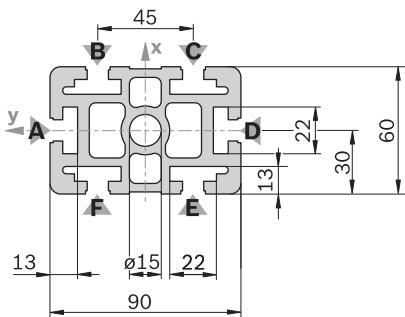
Material: PP

Cover cap with hole	Color	ESD	No.
60x60 (1x)	Signal gray	20	3 842 548 810
60x60 (1x)	Black	20	3 842 548 811

Material: PP

**60x90**

$A = 25,8 \text{ cm}^2$   
 $I_x = 214,2 \text{ cm}^4$   
 $I_y = 90,5 \text{ cm}^4$   
 $W_x = 47,6 \text{ cm}^3$   
 $W_y = 30,2 \text{ cm}^3$   
 $m = 7,0 \text{ kg/m}$



Cover cap	Color	ESD	No.
60x90 (1x)	Signal gray	20	3 842 548 812
60x90 (1x)	Black	20	3 842 548 813

Material: PP

Cover cap with hole	Color	ESD	No.
60x90 (1x)	Signal gray	20	3 842 551 050
60x90 (1x)	Black	20	3 842 551 051

Material: PP

**Notice:** A quick connector cannot be used

**60x60**

L (mm)	No.
50 ... 6070	3 842 990 350 / L
60 ... 6000	3 842 990 351 / L
110 ... 6000	3 842 990 353 / L
180 ... 6000	3 842 990 354 / L
90 ... 6000	3 842 990 355 / L
120 ... 6000	3 842 990 352 / L
170 ... 6000	3 842 990 373 / L
50 ... 6000	3 842 990 370 / L
80 ... 6000	3 842 990 357 / L
80 ... 6000	3 842 990 359 / L
6070	3 842 557 202

**Quick & Easy** (p. 2-7, see fold-out section)

60x60	3 842 993 668 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M12 / M16 / D9.8 / D17 / DB17
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1</sup>

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min} = 404 / 508 \text{ mm}$

**60x90**

L (mm)	No.
50 ... 6070	3 842 990 450 / ...
120 ... 6000	3 842 990 453 / ...
240 ... 6000	3 842 990 454 / ...
170 ... 6000	3 842 992 962 / ...
170 ... 6000	3 842 992 963 / ...
170 ... 6000	3 842 990 472 / ...
80 ... 6000	3 842 990 097 / ...
80 ... 6000	3 842 990 099 / ...
90 ... 6000	3 842 990 098 / ...
110 ... 6000	3 842 990 464 / ...
110 ... 6000	3 842 990 481 / ...
110 ... 6000	3 842 990 478 / ...
6070	3 842 557 207

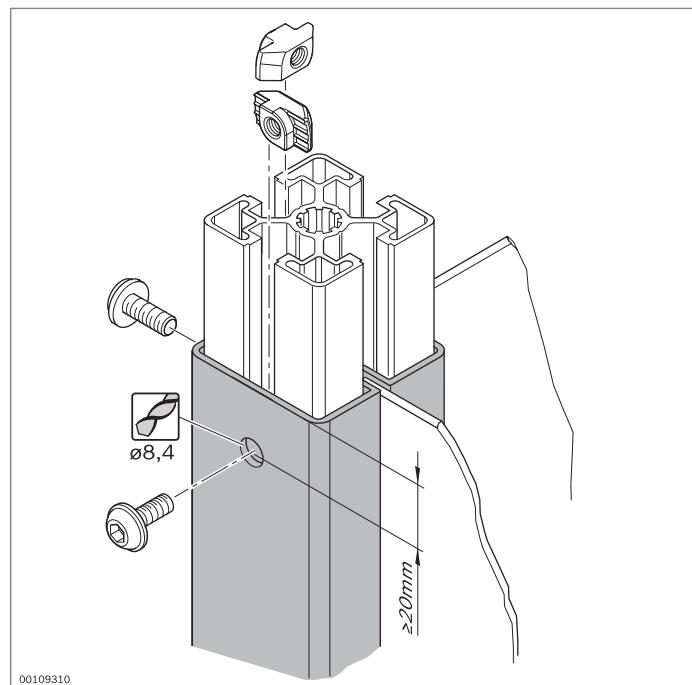
Profile finishing:  
D17: in slots B/F, C/E  
D17V: in slots A/D

**Quick & Easy** (p. 2-7, see fold-out section)

60x90	3 842 993 671 / ...
Length L (mm)	50 ... 6070
Standard profile finishing $L_{\max} = 6000 \text{ mm}$ (note minimum length, p. 2-24)	M16 / D9.8 / D17 / DB17 / F1 (A, D) <sup>1</sup>
Customized profile finishing ( $L_{\max i} = 5400 \text{ mm}$ )	DI / DIS / MT / MTS / MI / MIS / DG <sup>1</sup>

<sup>1)</sup> For the specified slots

<sup>1)</sup>  $DG_{\max} = 45^\circ$ ;  $L_{\min} = 456 / 612 \text{ mm}$

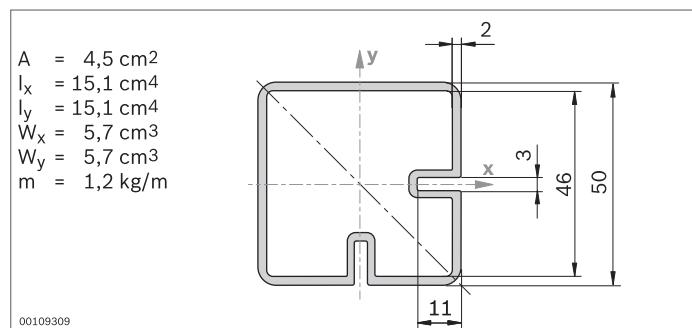


### Rectangular tube



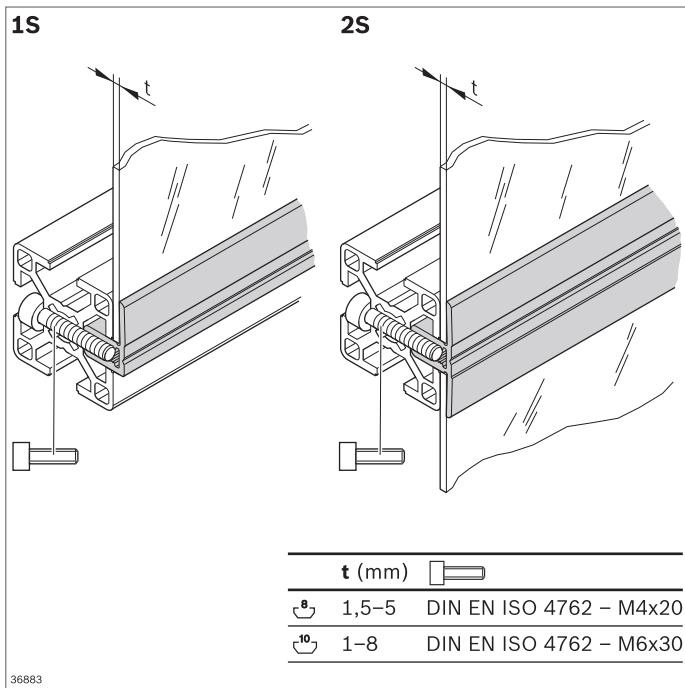
- For constructing manually height-adjustable frames
- Cut-outs for mounting of panel elements
- Profile finishing: Hole for screw

Required accessories:  
Fastening material



Rectangular tube	L (mm)	No.
1 pc	50 ... 6070	<b>3 842 992 913 / L</b>
6 pcs	6070	<b>3 842 557 960</b>

Material: Aluminum; anodized



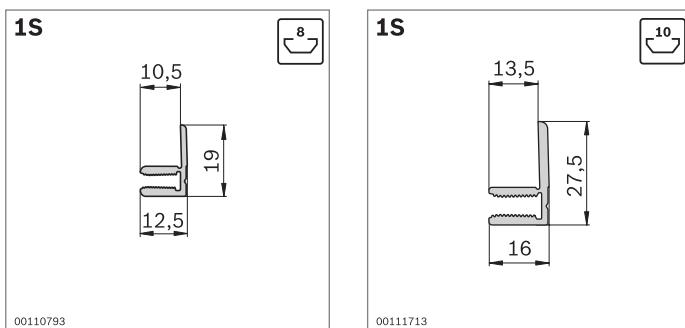
## Clamping profile



- For simple fastening of panes, panel elements, or grilles on strut profiles
- For subsequent installation in closed frame constructions
- For panel elements with varying thicknesses
- Profile finishing: Through-hole for mounting screw

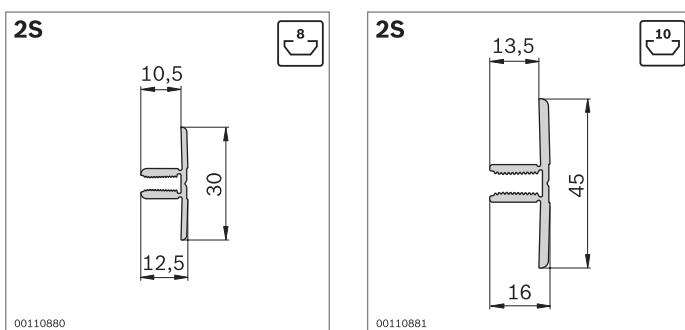
Required accessories:

- Cylinder head bolt DIN EN ISO 4762 – M4x20 (8 mm slot)
- Cylinder head bolt DIN EN ISO 4762 – M6x30 (10 mm slot)



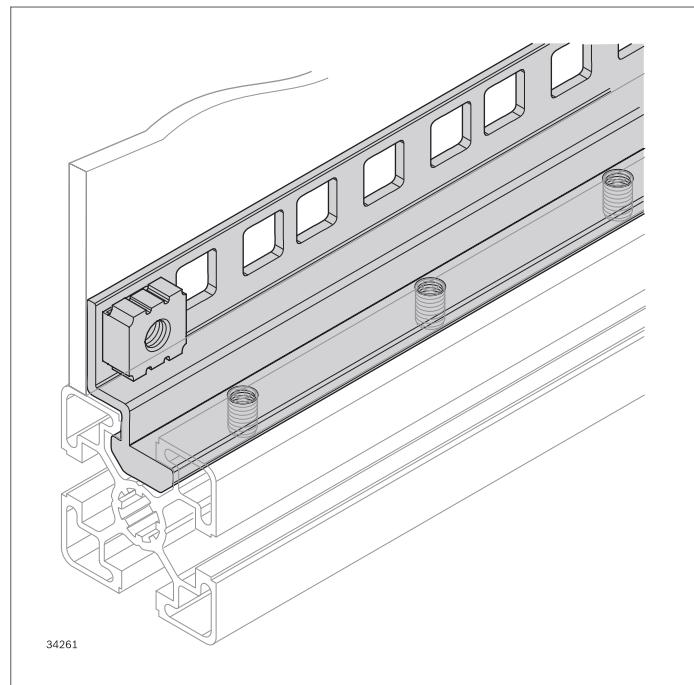
<b>Clamping profile 1S</b>	<b>Slot</b>	<b>L (mm)</b>	<b>No.</b>
1 pc	8	50 ... 3000	<b>3 842 993 017 / L</b>
10 pcs	8	3000	<b>3 842 524 058</b>
1 pc	10	50 ... 3000	<b>3 842 993 019 / L</b>
10 pcs	10	3000	<b>3 842 524 064</b>

Material: Aluminum; anodized



<b>Clamping profile 2S</b>	<b>Slot</b>	<b>L (mm)</b>	<b>No.</b>
1 pc	8	50 ... 3000	<b>3 842 993 018 / L</b>
10 pcs	8	3000	<b>3 842 524 061</b>
1 pc	10	50 ... 3000	<b>3 842 993 020 / L</b>
10 pcs	10	3000	<b>3 842 524 067</b>

Material: Aluminum; anodized

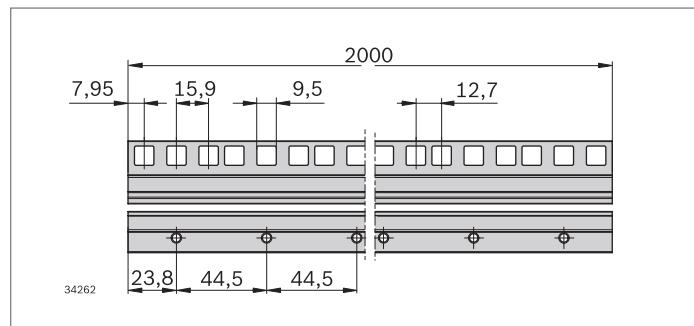


### Al angle profile 19"



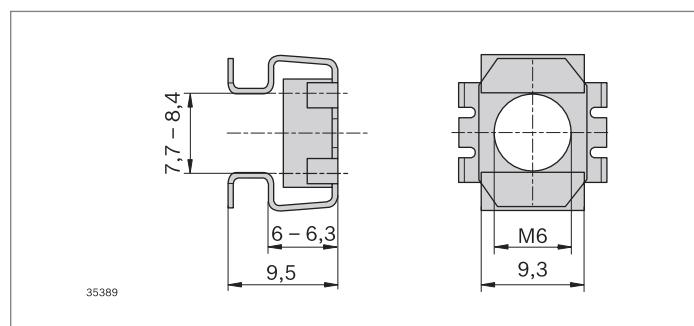
- ▶ Rail for mounting 19" devices in electronic and electrical production
- ▶ Suitable for fastening panel elements
- ▶ Fully finished angle profile
  - with square cutouts for fastening the 19" devices with a cage nut (hole according to DIN 60297-3-100)
  - with threads for fastening the Al angle profile with headless setscrews in the slot
- ▶ Angle profile, can be swiveled into slot

Required accessories: Headless setscrew M6x12



Al angle profile 19"		L (mm)	No.
	10 pcs	2000	<b>3 842 557 254</b>

Material: Aluminum; anodized

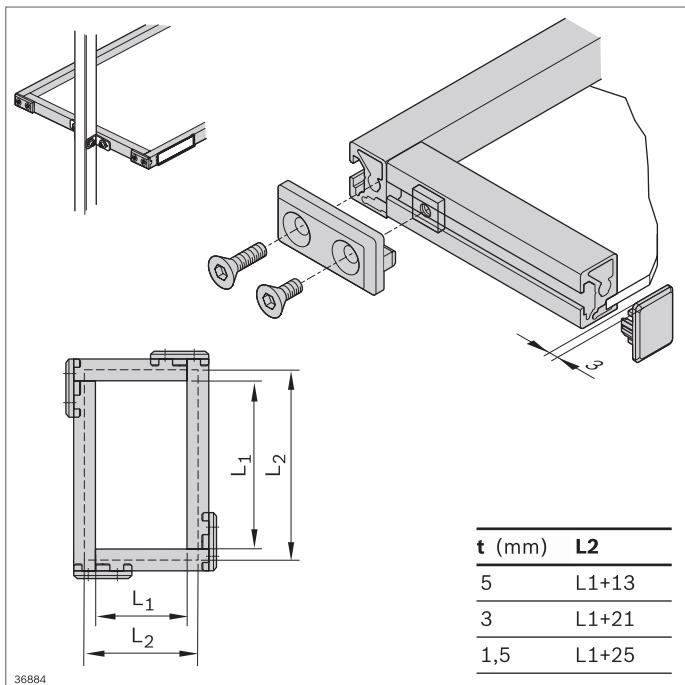


### Cage nut

- ▶ For fastening panel elements or 19" devices on profile
- ▶ Easy assembly as tension springs snap into the recess

Cage nut M6		No.
	20	<b>3 842 557 255</b>

Material: Steel; galvanized



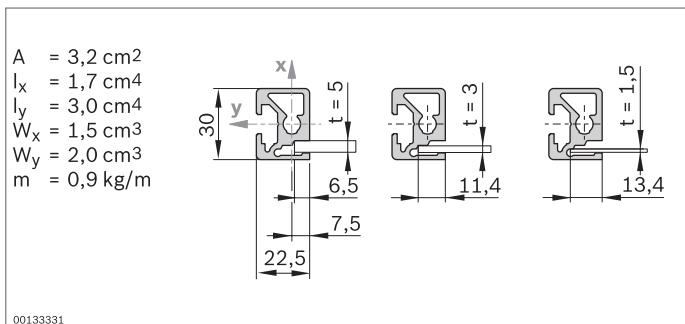
## Frame profile 22.5x30



- For inexpensive construction of trays and material shelves
- Panel elements are mounted under tension so that they do not rattle

### Optional accessories:

- Bracket set M6 (p. 3-30)
- Swivel mounting (p. 4-12)
- Labeling clip for 8 mm slot (p. 2-86)
- Plate (p. 2-62)

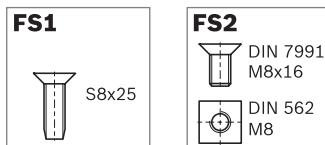
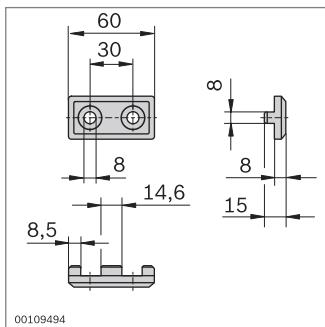


Frame profile 22.5x30		Slot	L (mm)	No.
1 pc		8	50 ... 6070	<b>3 842 992 493 / L</b>
20 pcs		8	6070	<b>3 842 557 946</b>

Material: Aluminum; anodized

Cover cap	Color	ESD	No.
22.5x30	Signal gray	20	<b>3 842 551 564</b>
22.5x30	Black		<b>3 842 551 565</b>

Material: PP



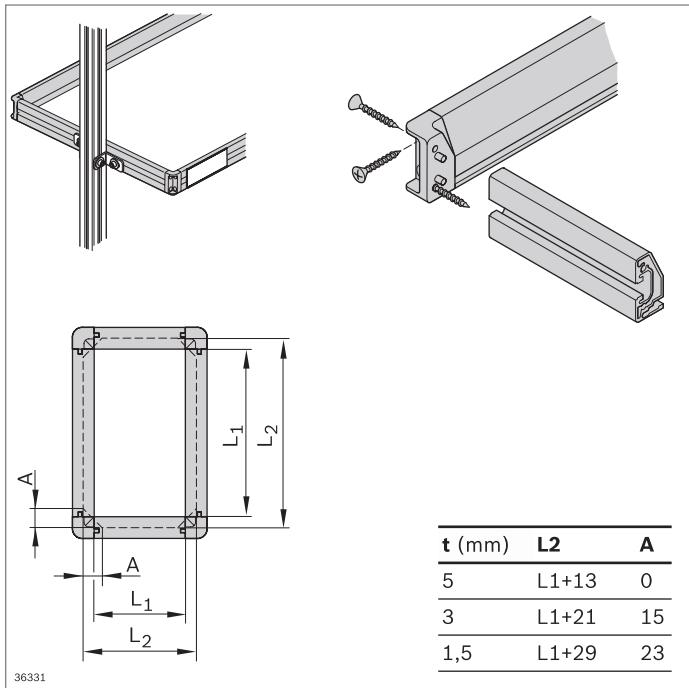
## Corner piece for frame profile 22.5x30

- For the right-angled connection of two 22.5x30 frame profiles
- Profile finishing not required

Corner piece	Color	ESD	No.	FS
22.5x30	Signal gray	20	<b>3 842 554 708</b>	FS1, FS2
22.5x30	Black		<b>3 842 554 709</b>	FS1, FS2

Material: PA

Scope of delivery: Incl. fastening material (FS)



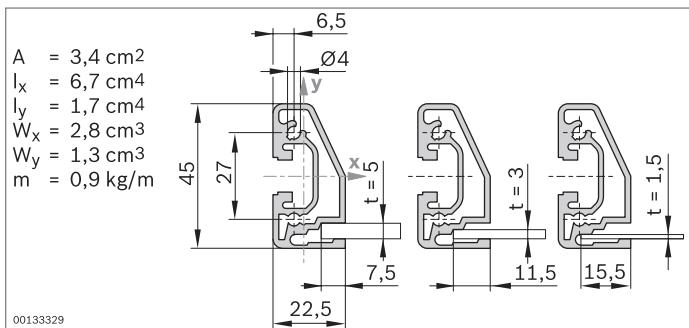
## Frame profile 22.5x45



- For inexpensive construction of trays and material shelves
- Panel elements are mounted under tension so that they do not rattle

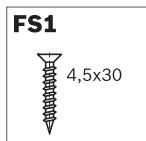
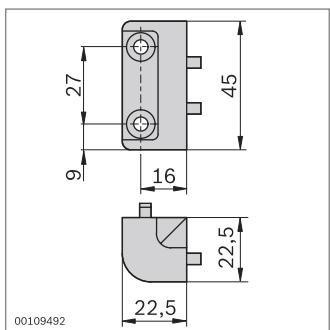
Optional accessories:

- Bracket set (p. 3-32)
- Swivel mounting (p. 4-12)
- Labeling clip for 10 mm slot (p. 2-86)
- Plate (p. 2-62)



Frame profile 22.5x45	Slot	L (mm)	No.
1 pc	10	50 ... 6070	<b>3 842 992 411 / L</b>
20 pcs	10	6070	<b>3 842 557 941</b>

Material: Aluminum; anodized

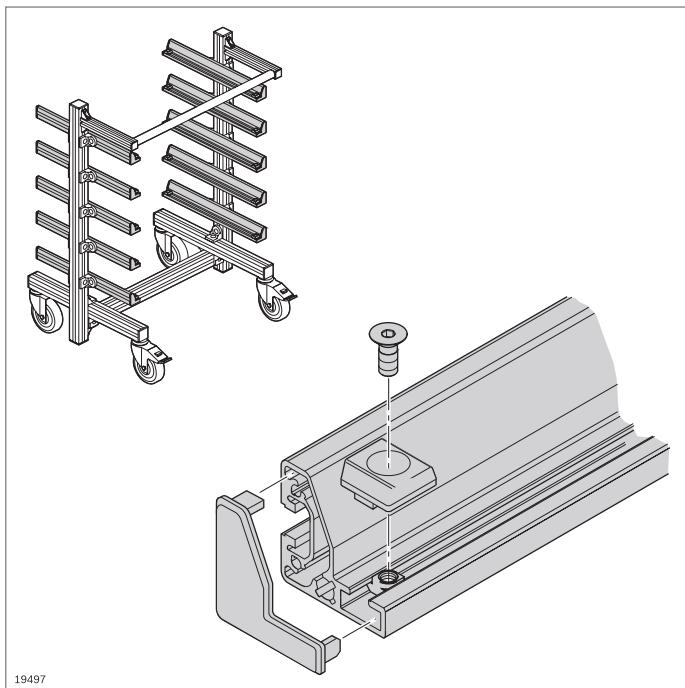


## Corner bracket for frame profile 22.5x45

- For the right-angled connection of two 22.5x45 frame profiles
- Profile finishing not required

Corner bracket	ESD	No.	FS
22.5x45	( 20	<b>3 842 535 637</b>	4xFS1

Material: Diecast zinc  
Scope of delivery: Incl. fastening material (FS)



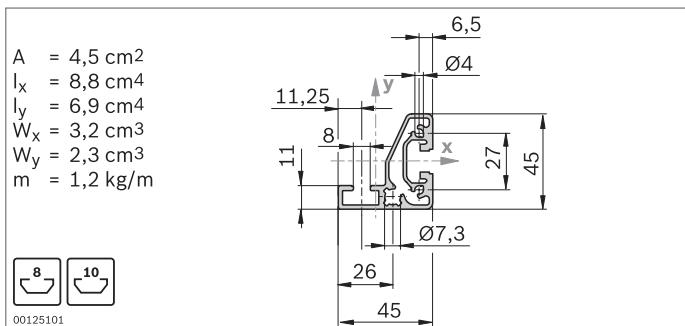
## Angle profile



- For supporting containers, plates, or workpiece pallets in flow racks, material shuttles, or hopper stackers

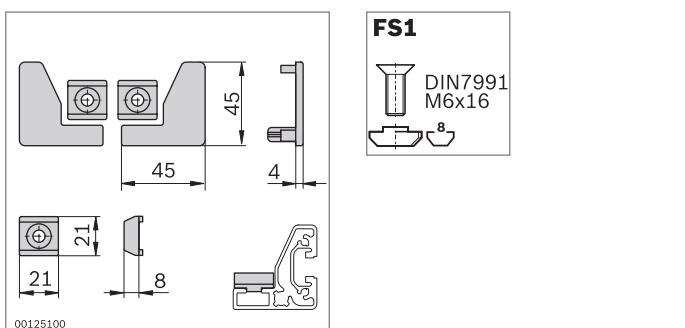
Accessories:

Bracket R40x43 (p. 3-31)



Angle profile	L (mm)	No.
1 pc	50 ... 6070	<b>3 842 992 412 / L</b>
20 pcs	6070	<b>3 842 557 942</b>

Material: Aluminum; anodized



## Stopper and cover cap

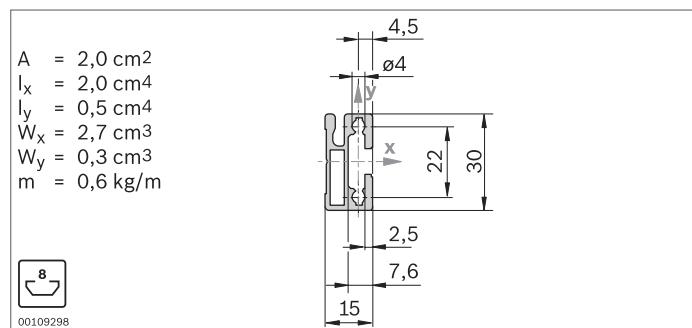
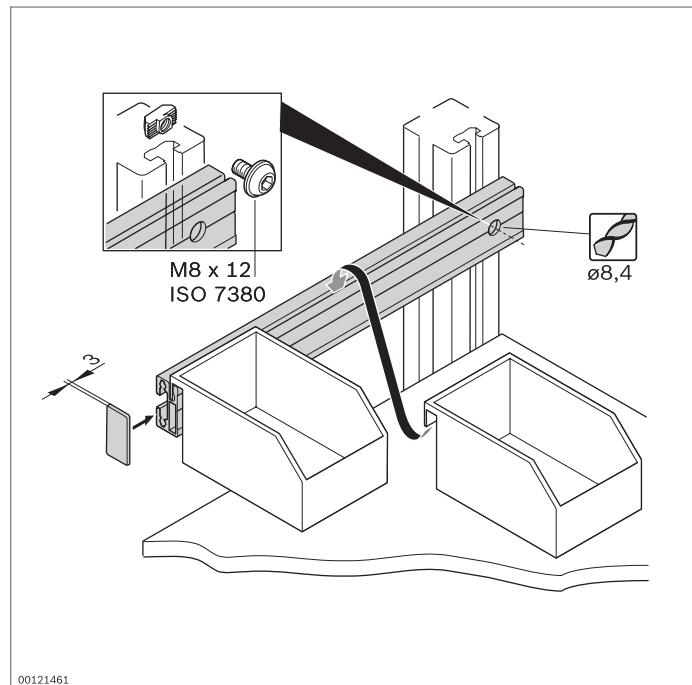
- The stopper prevents containers from shifting on the angle profile
- Cover cap to prevent injuries at open profile ends
- Attractive design

Stopper, cover cap	Color	ESD	No.	FS
Set	Signal gray	20	<b>3 842 554 490</b>	2xFS1
Set	Black	20	<b>3 842 554 491</b>	2xFS1

Material: PA

Fastening material: Steel; galvanized

Scope of delivery: Incl. fastening material (FS)



Cover cap	Color	ESD	No.
15x30	Signal gray	20	<b>3 842 551 582</b>
15x30	Black	Ⓐ 20	<b>3 842 551 583</b>

Material: PP

## Suspension profile



- ▶ For the fast, secure suspension of grab containers, grab ledges, grab trays, and tool holders
- ▶ Profile finishing:  
Through-hole for screwdriver
- ▶ Matching grab containers in the Manual Production Systems catalog (**3 842 538 280**)

Required accessories:

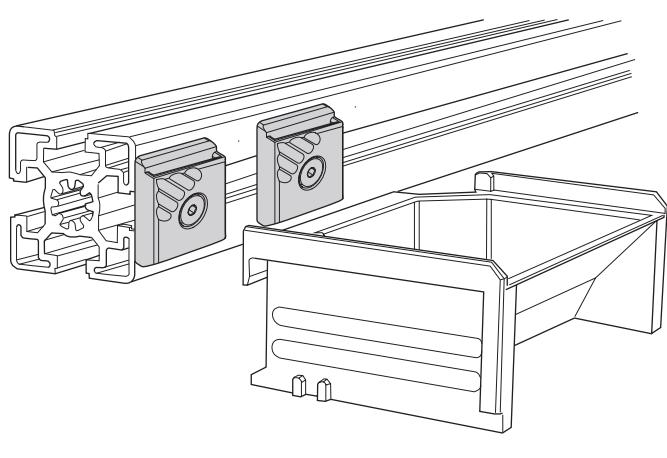
- ▶ Screw
- ▶ T-nut (p. 3-4)

Suspension profile	L (mm)	ESD	No.
1 pc	50 ... 3000		<b>3 842 993 411 / L</b>
10 pcs	3000		<b>3 842 537 679</b>
1 pc	50 ... 3000	Ⓐ	<b>3 842 993 063 / L</b>
10 pcs	3000	Ⓐ	<b>3 842 554 157</b>

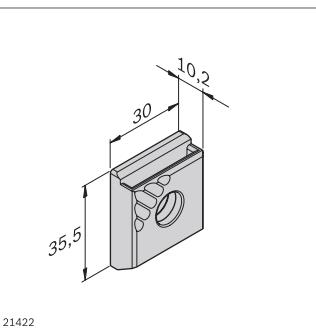
Material: Suspension profile: Aluminum; anodized  
Suspension profile ESD: Aluminum; natural

## Container mount

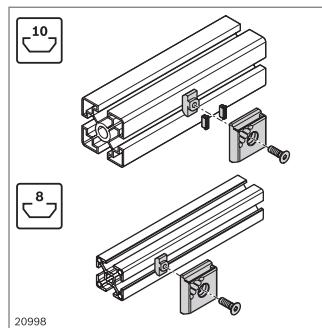
- ▶ Container mount for mounting tool holders, grab containers, grab trays and grab ledges
- ▶ Suitable for 8 mm and 10 mm slots



19504



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20998

### Container mount



ESD No.

10



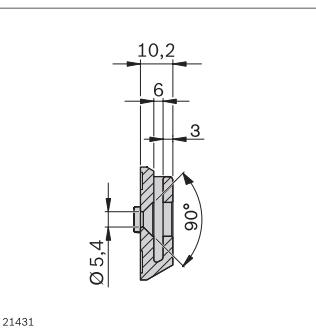
3 842 544 797

Material:

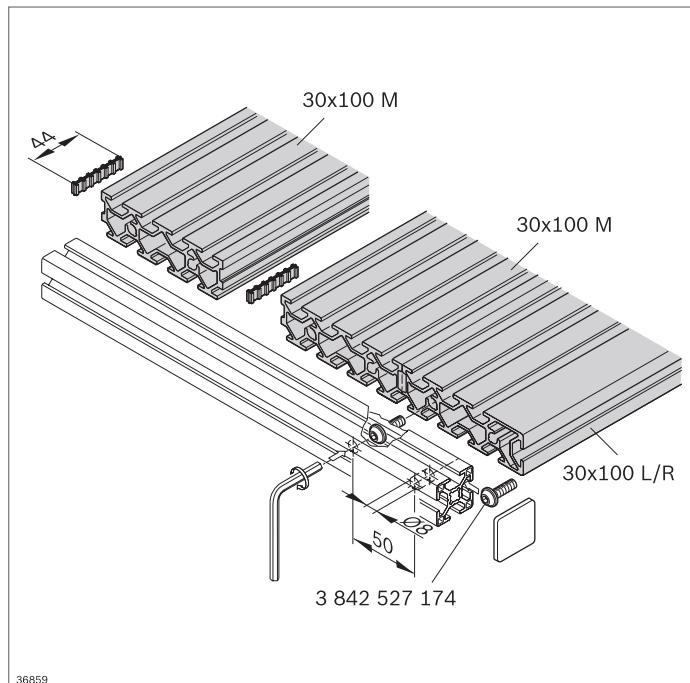
PA 66; black

Fastening material: Steel; galvanized

Scope of delivery: Incl. fastening material (FS)



21431

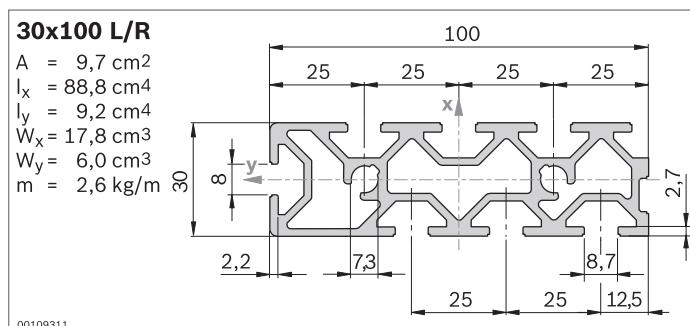


### Grooved plate 30x100

- ▶ Modular plate profiles with multiple slots for experimental constructions of any size
- ▶ Slot spacing 25 mm
- ▶ Slot size 8.9 mm
- ▶ 8 mm slot connectors may be used

Optional accessories:

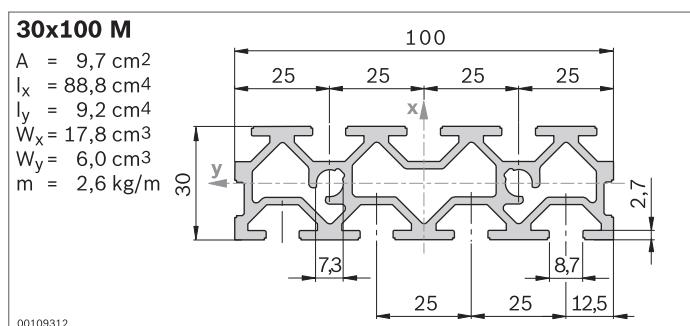
- ▶ Profile 30x30 (p. 2-16)
- ▶ Sliding block



- ▶ Grooved plate **30x100 L/R** with lateral 8 mm slot as outer stop

Grooved plate 30x100 L/R	Slot	L (mm)	No.
1 pc	8	100 ...	5600 <b>3 842 993 337 / L</b>
18 pcs	8	5600	<b>3 842 542 696</b>

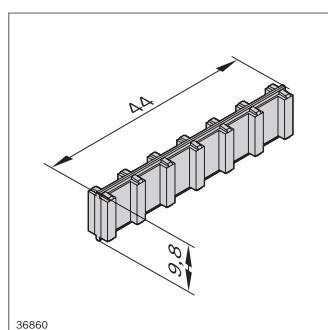
Material: Aluminum; anodized



- ▶ Grooved plate **30x100 M** for constructing grooved plates of any width

Grooved plate 30x100 M	Slot	L (mm)	No.
1 pc	8	100 ...	5600 <b>3 842 993 336 / L</b>
18 pcs	8	5600	<b>3 842 542 698</b>

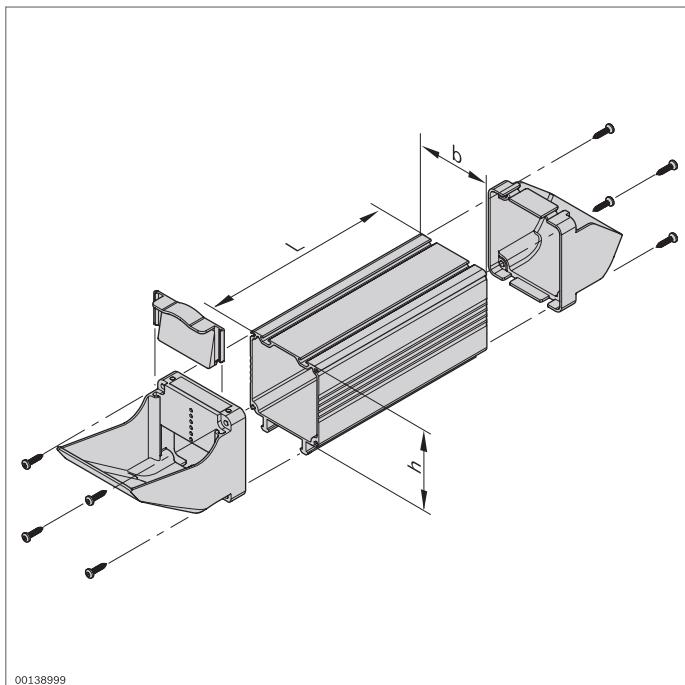
Material: Aluminum; anodized



### Sliding block

- ▶ For connecting grooved plates 30x100
- ▶ Recommendation: Use 3 sliding blocks per meter of profile length

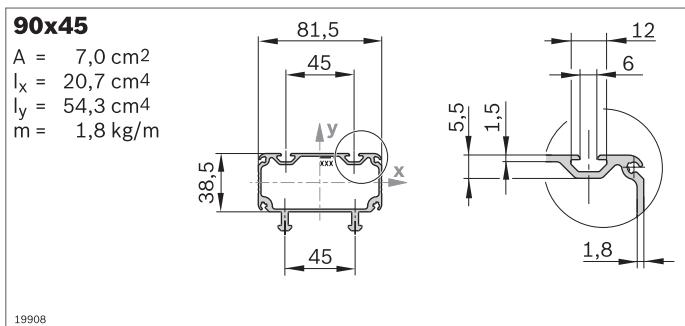
Sliding block	No.
Material: PA	100 <b>3 842 520 922</b>



## Material chute Grab ledge and refill end-piece Grab container base

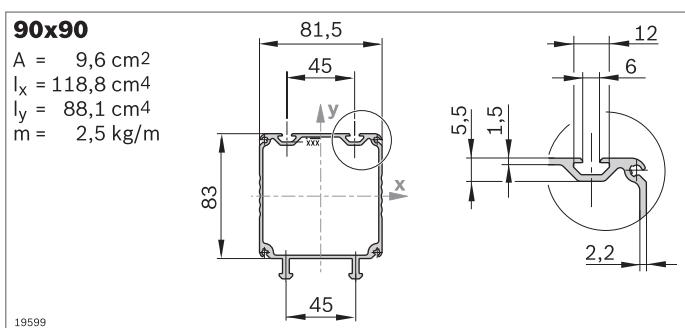


- ▶ Small parts within easy reach on the workstation
- ▶ Components for the individual construction of stable Vario grab containers
- ▶ Customizable holding capacity



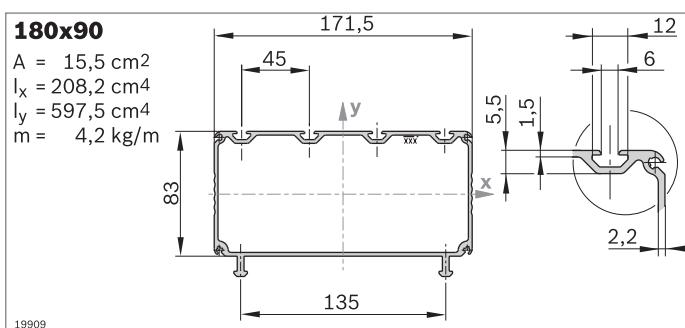
Material chute 90x45		L (mm)	ESD No.
1 pc	[Icon]	50 ... 3000	3 842 993 071 / L
3 pcs	[Icon]	3000	3 842 526 671
1 pc	[Icon]	50 ... 1500	3 842 993 446 / L
6 pcs	[Icon]	1500	3 842 558 332

Material: Material chute: Aluminum; anodized  
Material chute ESD: Aluminum; coated with Alutin



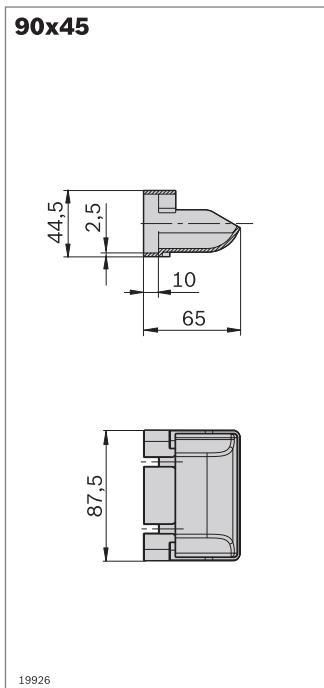
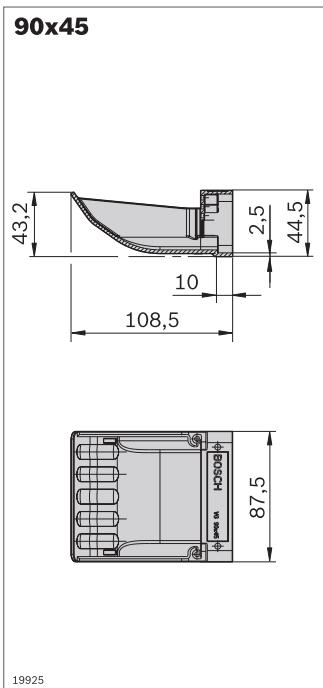
Material chute 90x90		L (mm)	ESD No.
1 pc	[Icon]	50 ... 3000	3 842 993 072 / L
3 pcs	[Icon]	3000	3 842 526 672
1 pc	[Icon]	50 ... 1500	3 842 993 517 / L
6 pcs	[Icon]	1500	3 842 558 333

Material: Material chute: Aluminum; anodized  
Material chute ESD: Aluminum; coated with Alutin



Material chute 180x90		L (mm)	ESD No.
1 pc	[Icon]	50 ... 3000	3 842 993 073 / L
3 pcs	[Icon]	3000	3 842 526 673
1 pc	[Icon]	50 ... 1500	3 842 993 527 / L
6 pcs	[Icon]	1500	3 842 558 334

Material: Material chute: Aluminum; anodized  
Material chute ESD: Aluminum; coated with Alutin

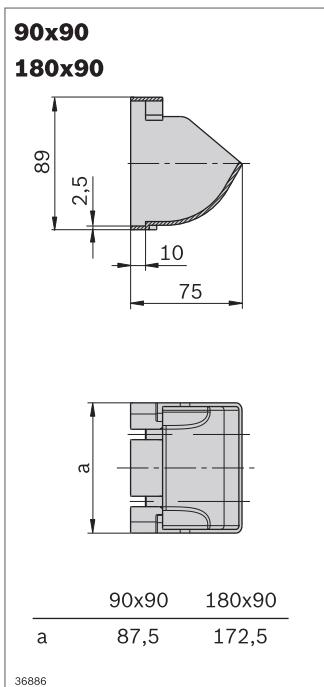
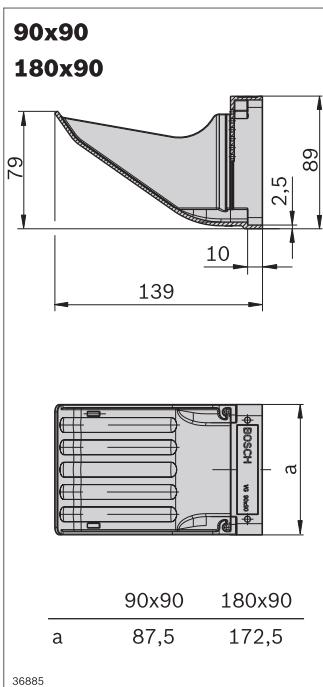
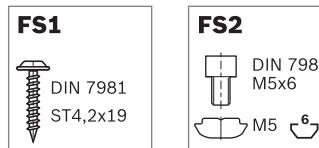


- Refill end-piece with large opening for easy filling
- Ergonomically designed grab ledge for easy, safe grabbing
- Grab container pusher for closing

Grab ledge and refill end-piece	ESD No.	FS
90 x 45	3 842 526 626	8xFS1, FS2
	3 842 558 328	8xFS1, FS2

Material: Grab ledge and refill end-piece  
Plastic ABS, light gray RAL 7035  
Grab ledge and refill end-piece ESD:  
ABS plastic, black, similar to RAL 9005  
Fastening material: Steel; galvanized

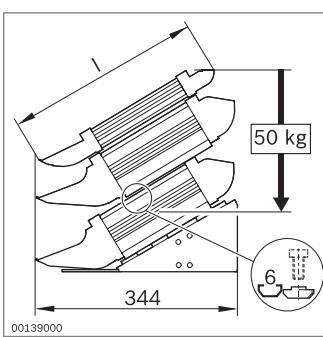
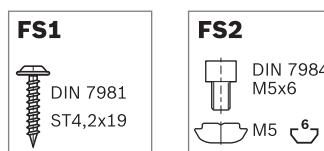
Scope of delivery: Incl. fastening material (FS)



Grab ledge and refill end-piece	ESD No.	FS
90 x 90	3 842 526 627	8xFS1, FS2
	3 842 558 329	8xFS1, FS2
180 x 90	3 842 526 628	8xFS1, FS2
	3 842 558 330	8xFS1, FS2

Material: Grab ledge and refill end-piece  
Plastic ABS, light gray RAL 7035  
Grab ledge and refill end-piece ESD:  
ABS plastic, black, similar to RAL 9005  
Fastening material: Steel; galvanized

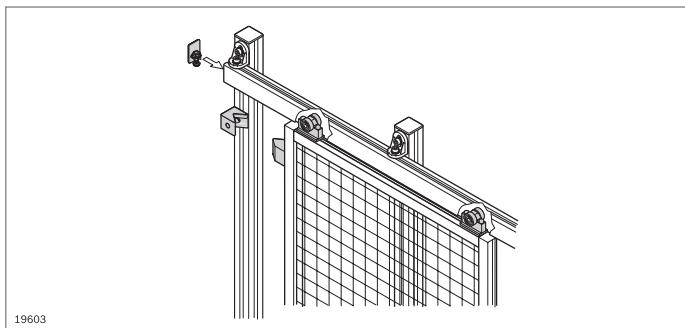
Scope of delivery: Incl. fastening material (FS)



- Grab container base for an ergonomically optimized arrangement of grab containers

Grab container base	w x h x l (mm)	ESD No.
SG 90	90 x 149 x 315	3 842 526 660
		3 842 558 331
SG 180	180 x 149 x 315	3 842 526 665
		3 842 559 310

Material: Grab container base: Sheet steel, light gray powder coating (RAL 7035)  
Grab container base ESD: Sheet steel; dusty gray (RAL 7037)

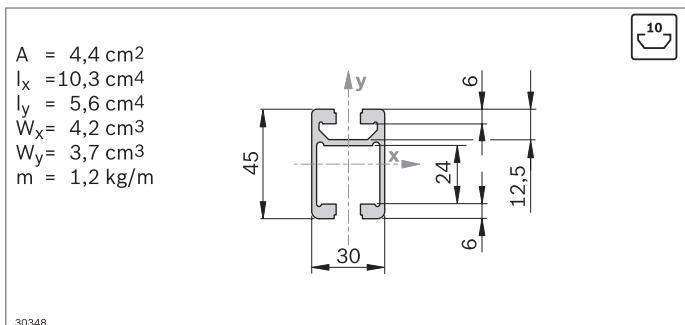


## Profile rail, trolley

- Profile rail and trolley for movable mounting of parts, e.g. for use as a screwdriver hanger at work tables or for EcoSafe sliding doors (p. 10-14)

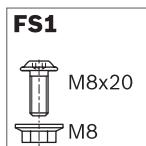
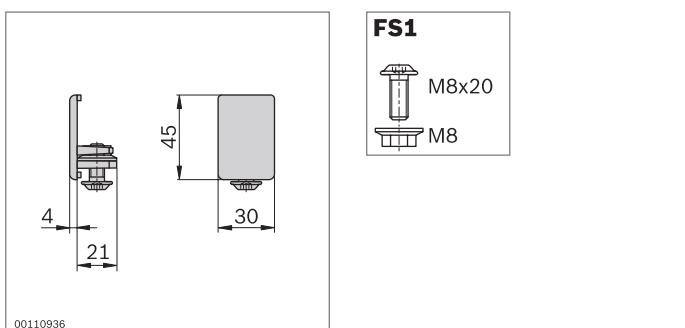
Accessories:

See page 12-4



Profile rail 30x45C	L (mm)	No.
1 pc	50 ... 6070	3 842 992 946 / L
20 pcs	6070	3 842 557 950

Material: Aluminum; anodized



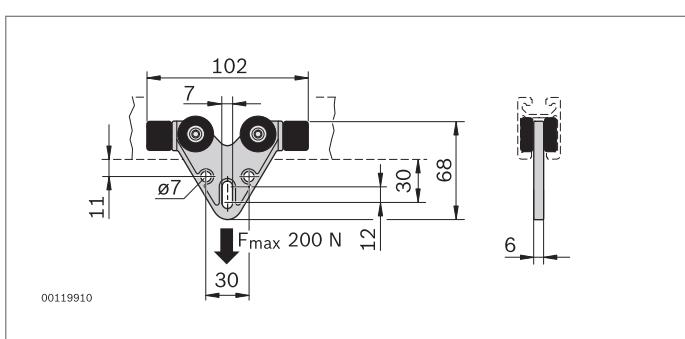
- Profile rail end piece for use for trolley as a cover cap with stop
- With screw protection

End piece 30x45C	Color	ESD	No.	FS
	Signal gray	20	3 842 554 710	FS1
	Black	20	3 842 554 711	FS1

Material: End piece: PA

Fastening material: Steel; galvanized

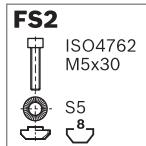
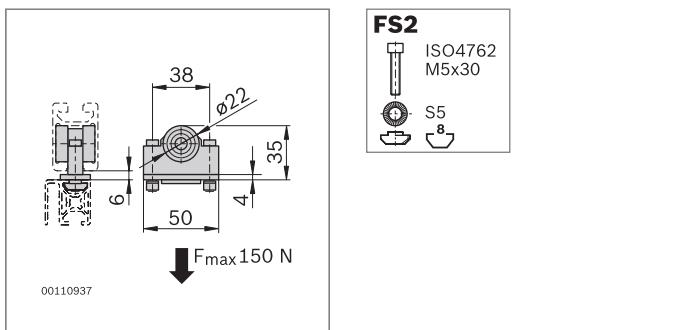
Scope of delivery: Incl. fastening material (FS)



- Trolley with eye, e.g. for suspending a snap hook

Trolley for profile rail 30x45C	No.
	3 842 521 510

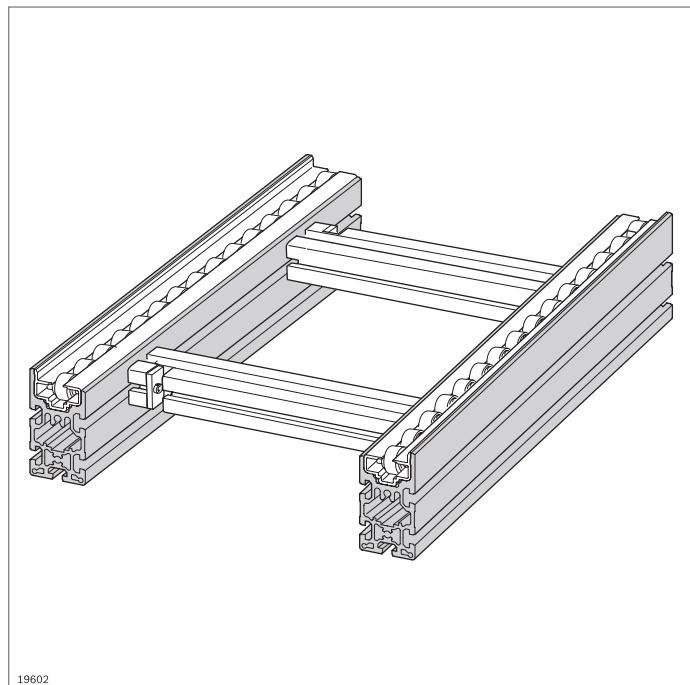
Material: Trolley: PA 6; black  
Cam roller: POM; natural  
Rubber buffer: NK/SBR; black



- Trolley with dust-proof ball bearings for smooth sliding motion
- For fastening profiles with a 8 mm slot

Trolley	No.	FS
	3 842 524 153	2xFS2

Material: PA; black / steel, galvanized  
Fastening material: Steel; galvanized  
Scope of delivery: Incl. fastening material (FS)



## Profiles for installing conveyor media



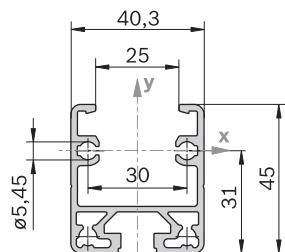
- Profiles that are normally used to construct the transfer systems TS 2plus and TS 4, as well as Lean conveyor sections, are also suitable for the construction of manual conveyor sections. Detailed information is available in chapter 12 "Elements for manual movement" and in the respective special catalogs

### U-profile

$A = 4,4 \text{ cm}^2$   
 $I_x = 10,4 \text{ cm}^4$   
 $I_y = 8,3 \text{ cm}^4$   
 $W_x = 4,6 \text{ cm}^3$   
 $W_y = 4,1 \text{ cm}^3$   
 $m = 1,2 \text{ kg/m}$



36861

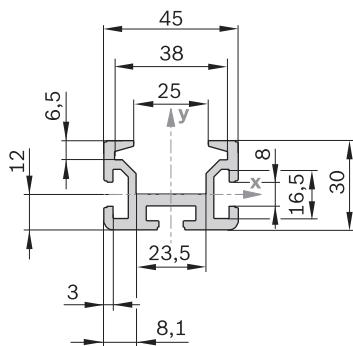


U-profile	Slot	L (mm)	ESD No.
	1 pc	10	50 ... 6070 <b>3 842 993 316 / L</b>
■	20 pcs	10	6070 <b>3 842 535 115</b>
	1 pc	50 ... 6070	<b>3 842 995 027 / L</b>
■	20 pcs	10	<b>3 842 541 814</b>

Material: U-profile: Aluminum; anodized  
U-profile ESD: Aluminum, untreated

### SP 2/R

$A = 5,2 \text{ cm}^2$   
 $I_x = 4,3 \text{ cm}^4$   
 $I_y = 11,7 \text{ cm}^4$   
 $W_x = 2,4 \text{ cm}^3$   
 $W_y = 5,2 \text{ cm}^3$   
 $m = 1,4 \text{ kg/m}$



19893

### Section profile SP 2/R

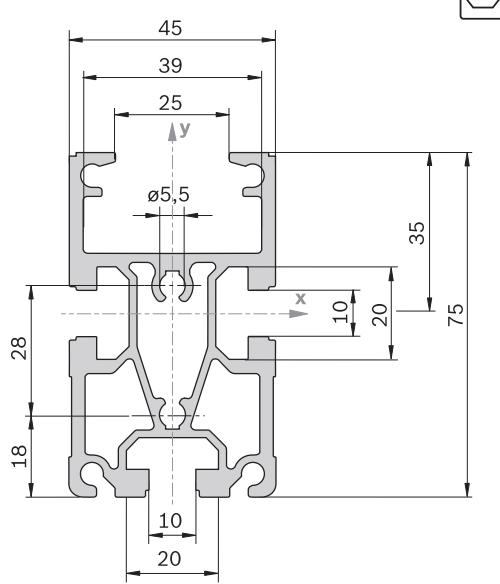
L (mm) No.

50 ... 6070 **3 842 992 676**

Material: Aluminum, natural-colored, anodized

**SP 2/B**

$A = 10,4 \text{ cm}^2$   
 $I_x = 49,6 \text{ cm}^4$   
 $I_y = 25,8 \text{ cm}^4$   
 $W_x = 12,1 \text{ cm}^3$   
 $W_y = 11,5 \text{ cm}^3$   
 $m = 2,8 \text{ kg/m}$



19903

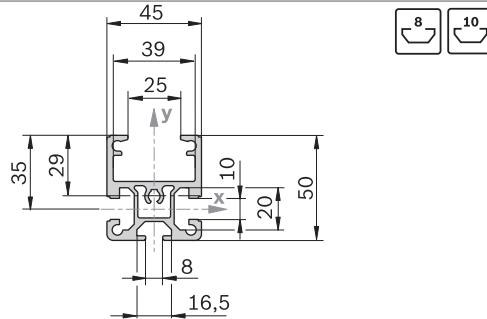
**Section profile SP 2/B**

	Slot	L (mm)	No.
1 pc		10 200 ... 6070	<b>3 842 992 884 / L</b>
16 pcs		10	6070 <b>3 842 532 695</b>

Material: Aluminum, natural-colored, anodized

**SP 2/B-50**

$A = 6,9 \text{ cm}^2$   
 $I_x = 16,1 \text{ cm}^4$   
 $I_y = 16,9 \text{ cm}^4$   
 $W_x = 5,3 \text{ cm}^3$   
 $W_y = 7,5 \text{ cm}^3$   
 $m = 1,9 \text{ kg/m}$



19904

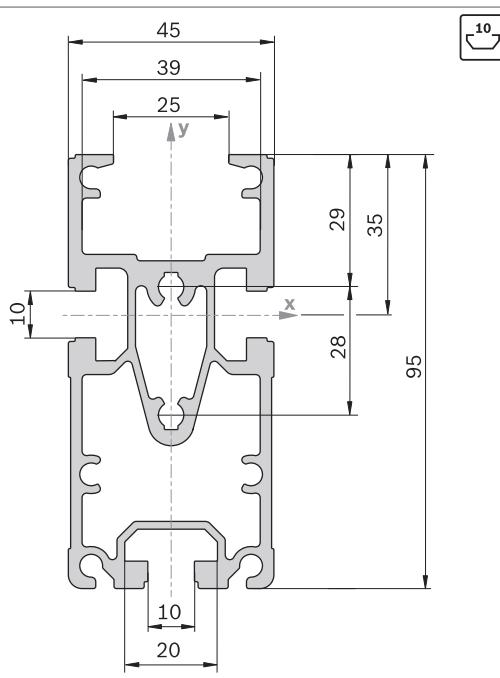
**Section profile SP 2/B-50**

	Slot	L (mm)	No.
1 pc	8 / 10	200...6070	<b>3 842 992 903 / L</b>
20 pcs	8 / 10	6070	<b>3 842 532 697</b>

Material: Aluminum, natural-colored, anodized

**SP 2/B-100**

$A = 11,9 \text{ cm}^2$   
 $I_x = 95,1 \text{ cm}^4$   
 $I_y = 30,4 \text{ cm}^4$   
 $W_x = 20,0 \text{ cm}^3$   
 $W_y = 13,5 \text{ cm}^3$   
 $m = 3,2 \text{ kg/m}$



19905

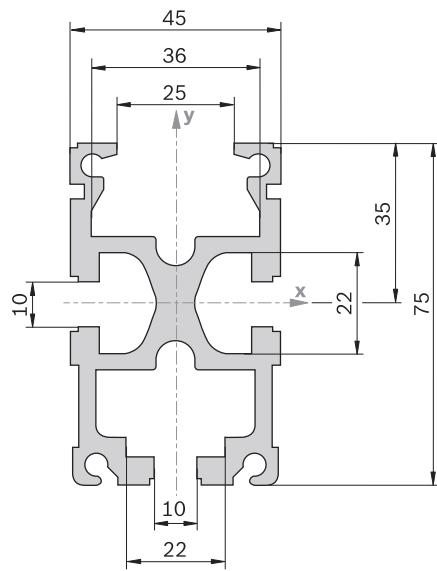
**Section profile SP 2/B-100**

	Slot	L (mm)	No.
1 pc	10	200...6070	<b>3 842 993 259 / L</b>
16 pcs	10	6070	<b>3 842 532 608</b>

Material: Aluminum, natural-colored, anodized

**SP 2/BH**

$A = 12,4 \text{ cm}^2$   
 $I_x = 53,7 \text{ cm}^4$   
 $I_y = 28,6 \text{ cm}^4$   
 $W_x = 14,0 \text{ cm}^3$   
 $W_y = 13,8 \text{ cm}^3$   
 $m = 3,3 \text{ kg/m}$



19906

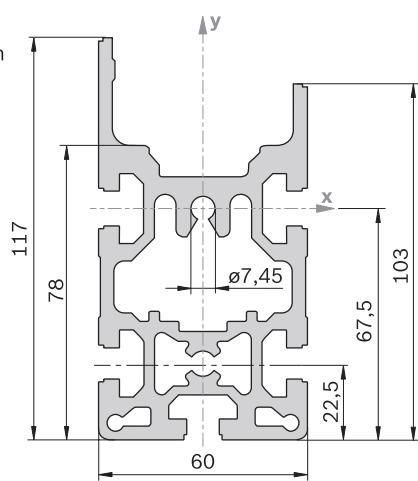
**Section profile SP 2/BH**

	Slot	L (mm)	No.
1 pc	10	200 ... 6070	<b>3 842 990 409 / L</b>
16 pcs	10	6070	<b>3 842 532 696</b>

Material: Aluminum, natural-colored, anodized

**SP 4/R**

$A = 26,1 \text{ cm}^2$   
 $I_x = 222,0 \text{ cm}^4$   
 $I_y = 95,5 \text{ cm}^4$   
 $W_x = 84,9 \text{ cm}^3$   
 $W_y = 16,4 \text{ cm}^3$   
 $m = 3,5 \text{ kg/m}$

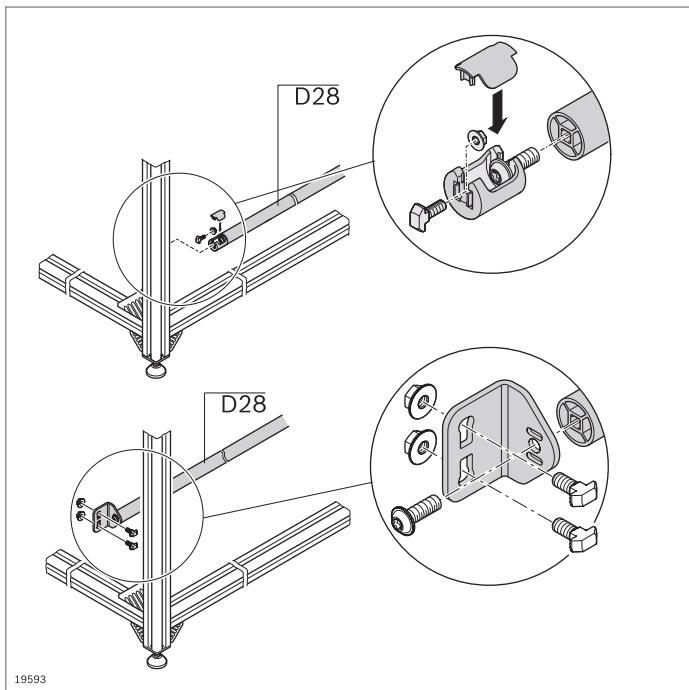


19907

**Section profile SP 4/R**

	Slot	L (mm)	No.
10 pcs	10	6070	<b>3 842 532 505</b>

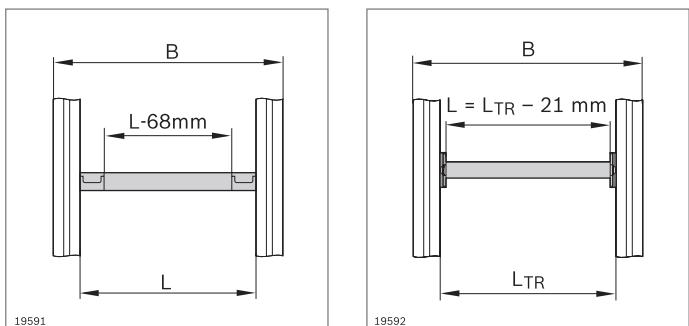
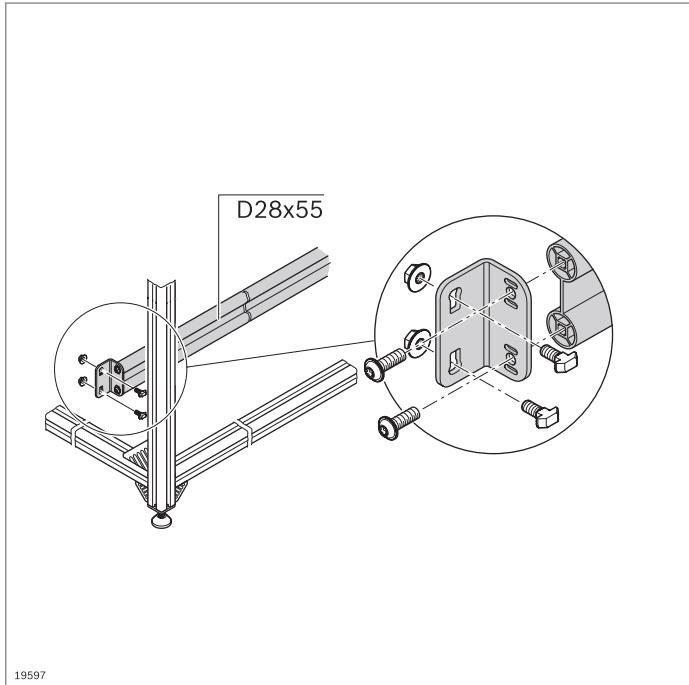
Material: Aluminum, natural-colored, anodized



### Round tube D28, strut profile D28x55 bracket, T-connector Bracket, T-connector

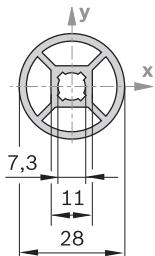


- ▶ For constructing cross ties in flow racks or workstations
- ▶ Suitable for heavy loads
- ▶ Use of brackets makes for easy assembly
- ▶ Elongated hole in the mounting bracket for longitudinal compensation
- ▶ Central holes can be used for self-tapping screws S8x25 (p. 3-41)
- ▶ For matching components to construct conveyor tracks, see chapter 12 "Elements for manual movement"



**D28**

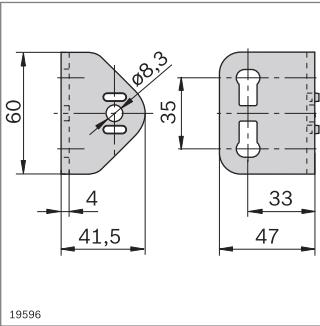
$A_x = 2,4 \text{ cm}^2$   
 $I_x = 1,5 \text{ cm}^4$   
 $I_y = 1,5 \text{ cm}^4$   
 $W_x = 1,1 \text{ cm}^3$   
 $W_y = 1,1 \text{ cm}^3$   
 $m = 0,7 \text{ kg/m}$



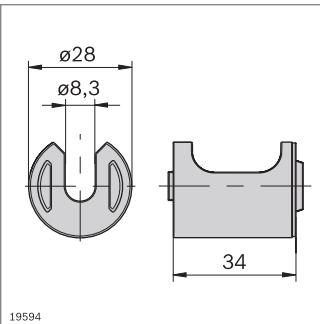
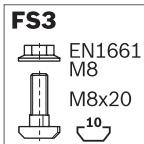
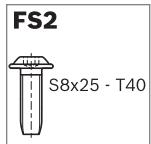
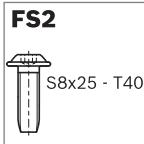
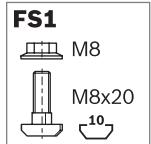
19505

**Cover cap D28****Color****ESD** **No.**

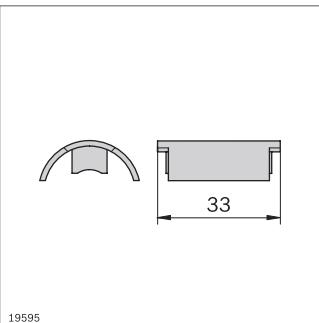
Gray	20	<b>3 842 537 718</b>
Black	20	<b>3 842 535 835</b>



19596



19594



19595

**Round tube D28****L (mm) No.**

1 pc		50 ... 6070 <b>3 842 993 317 / L</b>
20 pcs		6070 <b>3 842 535 118</b>

Material Aluminum; anodized

Optional accessories: Labeling clip (p. 2-86)

**Holding bracket for round tube D28**

- ▶ For mounting a round tube D28 to a strut profile with a 10 mm slot
- ▶ Extremely simple mounting thanks to easy adjustment of the installation height

**Bracket 60x47x4****No.****FS**20 **3 842 536 002** 2xFS1,  
FS2

Material: Steel; galvanized

Scope of delivery: Incl. fastening material (FS)

**T-connector for round tube D28**

- ▶ For mounting a round tube D28 to a strut profile with a 10 mm slot
- ▶ Without interfering contours

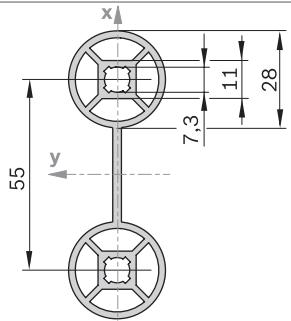
**T-connector D28****No.****FS**20 **3 842 532 879** FS2, FS3Material: T-connector: Diecast aluminum  
Cover cap: ABS; black

Scope of delivery: Incl. cover cap, fastening material (FS)

**Cover cap D28****No.****FS**20 **3 842 532 878**

Material: ABS; black

**D28x55**  
 $A = 5,9 \text{ cm}^2$   
 $I_x = 3,2 \text{ cm}^4$   
 $I_y = 88,3 \text{ cm}^4$   
 $W_x = 2,3 \text{ cm}^3$   
 $W_y = 23,1 \text{ cm}^3$   
 $m = 1,6 \text{ kg/m}$



19468

**Strut profile D28x55****L (mm)**

1 pc		100...6070	<b>3 842 993 489 / L</b>
20 pcs		6070	<b>3 842 537 477</b>

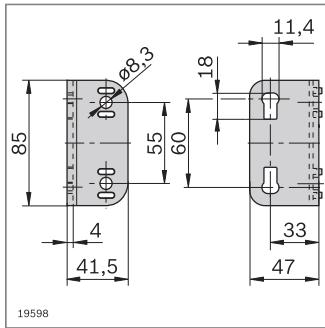
Material: Aluminum; anodized

Optional

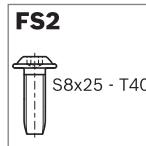
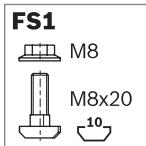
accessories: Labeling clip (p. 2-86)

2

Cover cap D28	Color	ESD	No.
(2x)	Gray	20	<b>3 842 537 718</b>
(2x)	Black	20	<b>3 842 535 835</b>



19598

**Bracket 85x47x4**

- For mounting a strut profile D28x55 to a strut profile with a 10 mm slot
- Extremely simple mounting thanks to easy adjustment of the installation height

**Bracket 85x47x4****No.****FS**20 **3 842 536 730** 2xFS1,  
2xFS2

Material: Steel; galvanized

Scope of delivery: Incl. fastening material (FS)

## EcoShape tubular framing system



- ▶ All connectors can be combined with the EcoShape D28L round tubes and D28L, N10, and the D28 round tube
- ▶ Integrated poka-yoke system for easy and secure connector installation
  - Anti-torsion element for secure joints
  - Form-fit connection
- ▶ All connectors are suitable for setting up ESD-conductive systems.

Material: Diecast zinc

Scope of delivery: Incl. Fastening material

