Strut profiles



Strut profiles, 6 mm slot,
20 mm modular dimension
(p. 2-11)



Strut profiles, 8 mm slot,
30 mm modular dimension
(p. 2-16)



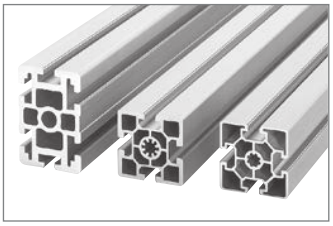
Strut profiles, 10 mm slot,
40 mm modular dimension
(p. 2-24)



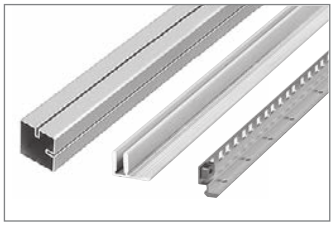
Strut profiles, 10 mm slot,
45 mm modular dimension
(p. 2-37)



Strut profiles, 10 mm slot,
50 mm modular dimension
(p. 2-54)



Strut profiles, 10 mm slot,
60 mm modular dimension
(p. 2-56)



Rectangular tube (p. 2-58)
Clamping profile (p. 2-59)
Al angle profile 19″ (p. 2-60)



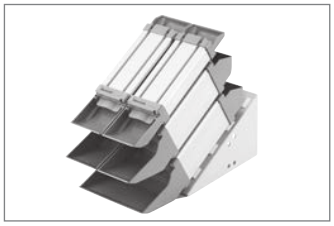
Frame profile
22.5x30 (p. 2-61)
22.5x45 (p. 2-62)



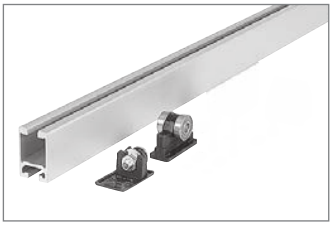
Angle profile (p. 2-63)
Suspension profile (p. 2-64)
Container mount (p. 2-65)



Slotted plate (p. 2-66)



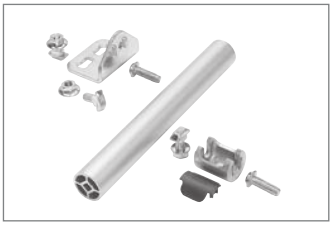
Material chute (p. 2-67)



Profile rail (p.2-71)



Profiles for installing
conveyor media (p. 2-72)



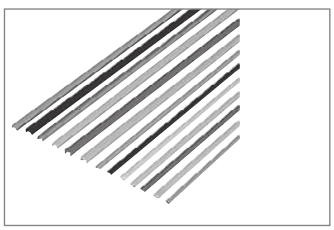
Round tube D28 (p. 2-75)
Strut profile D28x55
(p. 2-75)



EcoShape tubular framing
system (p. 2-78)



Function-integrated profiles
(p. 2-98)



Cover profiles, additional
accessories (p. 2-93)

Strut profiles

With more than 140 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 assembly of lightweight equipment, partition walls, stands, or show cases.

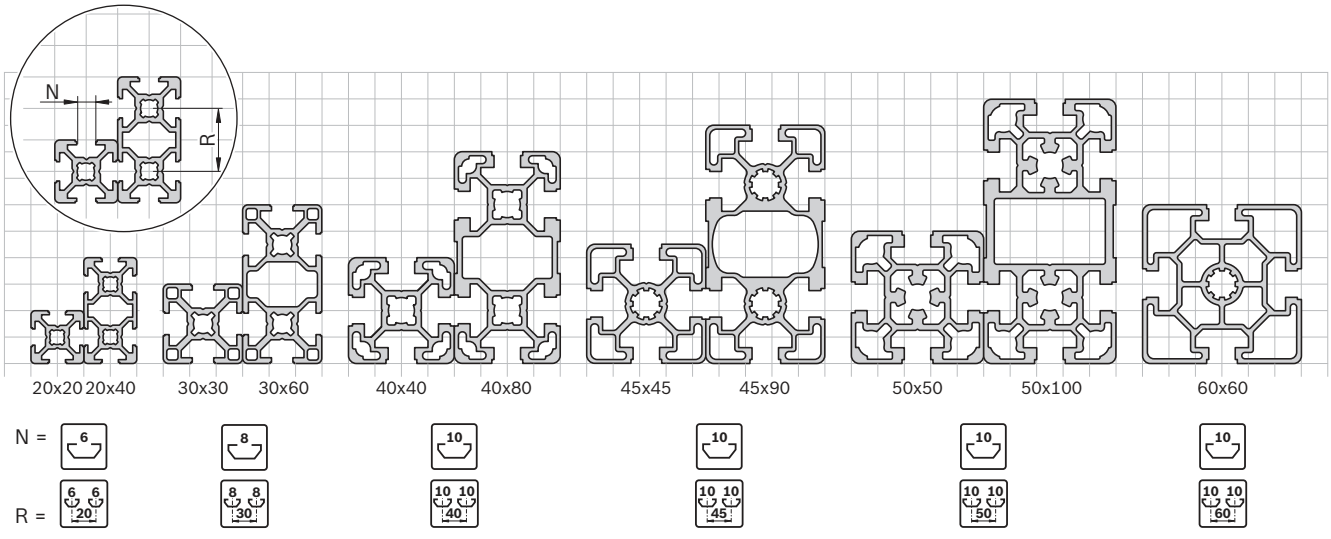
Profile length in profile packaging units ( )
The stated length of the profile packaging units relates to the guaranteed usable length.
During anodizing as part of the manufacturing process bare areas which are approx. 30 mm long are left at each end of the profile (= contact areas), so the profiles 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

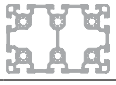
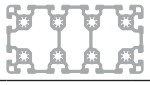
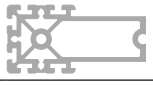


Slot size N = 6 mm, 8 mm, 10 mm
Modular dimensions R = 20 mm, 30 mm, 40 mm, 45 mm, 50 mm, 60 mm

Technical data – profiles

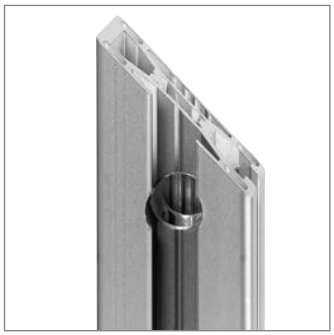
Profile		Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight	Page
			A (cm²)	I_x (cm⁴)	I_y (cm⁴)	W_x (cm³)	W_y (cm³)	I_t (cm⁴)	W_t (cm³)	m (kg/m)	
20x20		6	1.6	0.7	0.7	0.7	0.7	0.08	0.17	0.4	2-12
20x20 1N		6	1.9	0.8	0.8	0.8	0.8	0.60	0.67	0.5	2-12
20x20 2N		6	1.8	0.7	0.8	0.7	0.8	0.31	0.52	0.5	2-12
20x20 2NVS		6	1.8	0.7	0.7	0.7	0.7	0.37	0.52	0.5	2-13
20x20 3N		6	1.7	0.7	0.8	0.7	0.7	0.19	0.34	0.5	2-13
20x20 R		6	1.6	0.6	0.6	0.5	0.5	0.21	0.39	0.4	2-13
20x40		6	2.9	4.6	1.2	2.5	1.4	0.68	0.91	0.8	2-14
20x60		6	3.5	14.2	1.7	4.7	1.7	2.30	2.00	0.9	2-14
20x40x40		6	4.2	6.0	6.0	2.6	2.6	1.50	1.30	1.1	2-14
10x40		6	2.1	3.2	0.2	1.6	0.4	–	–	0.6	2-15
30x30		8	3.1	2.8	2.8	1.8	1.8	0.29	0.33	0.9	2-17
30x30 1N		8	3.7	3.1	3.5	2.0	2.3	2.80	1.50	1.0	2-17
30x30 2N		8	3.5	2.8	3.5	2.1	2.7	1.50	1.20	1.0	2-17
30x30 2NVS		8	3.5	3.1	3.1	2.0	2.0	1.70	1.10	1.0	2-18
30x30 3N		8	3.3	3.1	2.8	2.3	2.1	0.86	0.73	0.9	2-18
30x30°		8	3.7	3.5	3.6	2.0	1.9	1.50	2.00	1.0	2-18
30x45°		8	4.0	3.6	5.1	2.1	2.3	2.10	2.40	1.1	2-19
30x60°		8	3.6	3.0	4.1	1.7	1.9	1.50	2.00	1.0	2-19
30x30 R		8	2.9	2.3	2.3	1.4	1.4	0.81	1.20	0.8	2-19
30x60		8	5.5	19.6	5.1	7.0	3.9	2.60	2.10	1.5	2-20
30x60 4N		8	5.8	20.2	5.5	6.7	3.8	4.80	2.40	1.6	2-20
30x60x60		8	8.2	26.2	26.2	7.6	7.6	6.40	3.60	2.2	2-20
30x90		8	7.7	60.7	7.3	13.5	4.9	5.10	3.80	2.1	2-21
30x120		8	9.9	136.3	9.6	22.7	6.4	7.60	5.60	2.7	2-21
30x45		8/10	4.0	8.1	3.9	3.9	2.9	1.30	1.30	1.1	2-22
60x60 8N		8	9.8	39.7	39.7	13.2	13.2	19.30	6.80	2.6	2-22
11x20		8	1.0	0.5	0.1	0.7	0.3	–	–	0.3	2-22
15x120		8	9.0	110.4	2.2	18.4	2.7	–	–	2.4	2-23
40x40L		10	5.6	9.1	9.1	4.5	4.5	1.30	0.74	1.5	2-26
40x40L 0N		10	6.3	10.4	10.4	5.2	5.2	10.70	4.30	1.7	2-26
40x40L 1N		10	6.1	9.8	10.3	4.7	5.1	6.90	3.70	1.7	2-26
40x40L 2N		10	6.0	9.0	10.3	4.5	5.2	4.00	3.00	1.6	2-27
40x40L 2NVS		10	6.0	9.7	9.7	4.9	4.9	4.50	2.70	1.6	2-27
40x40L 3N		10	5.8	9.7	9.0	4.8	4.5	2.60	1.70	1.6	2-27
40x30°		10	6.2	9.4	11.8	4.7	5.9	3.00	3.10	1.7	2-28
40x45°		10	6.8	9.9	16.6	5.0	8.3	4.20	3.70	1.8	2-28
40x60°		10	6.3	8.7	13.1	4.3	6.5	3.00	3.10	1.7	2-28
40x40L R		10	5.0	7.2	7.2	3.6	3.6	2.50	2.00	1.3	2-29
40x40 HR		10	5.5	8.1	7.6	4.0	3.6	4.60	2.80	1.5	2-29

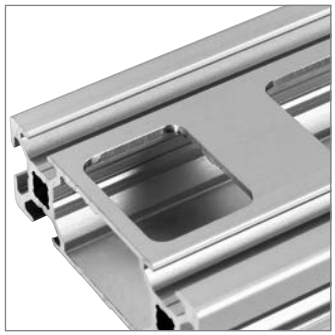
Profile		Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight	Page
			A (cm^2)	I_x (cm^4)	I_y (cm^4)	W_x (cm^3)	W_y (cm^3)	I_t (cm^4)	W_t (cm^3)	**m** (kg/m)	
40x80L		10	9.9	63.4	17.3	15.9	8.7	8.02	4.80	2.7	2-30
40x80L 2N		10	10.9	66.6	20.8	16.6	10.4	22.40	7.58	2.9	2-30
40x80L 4N		10	10.4	65.2	19.1	16.3	9.9	13.30	4.40	2.8	2-30
40x80L 2NVS		10	10.7	67.8	19.0	17.0	9.5	19.24	7.55	2.9	2-31
40x80L 3NVS		10	10.6	67.8	19.0	17.0	9.5	15.90	5.20	2.9	2-31
40x80x80L		10	15.4	96.6	96.6	24.2	24.2	19.60	9.80	4.2	2-31
40x120L		10	15.5	203.2	27.8	33.9	13.9	17.20	10.00	4.2	2-32
40x120L 5N		10	15.8	212.4	30.1	35.3	15.5	–	–	4.3	2-32
40x160L		10	20.5	466.7	37.2	58.3	18.6	25.80	14.60	5.5	2-33
80x80L		10	18.2	132.1	132.1	33.0	33.0	59.80	17.20	4.9	2-34
80x80L 4N		10	19.1	142.5	142.5	35.6	35.6	83.90	15.4	5.2	2-34
80x80L 4NVS		10	19.3	142.5	142.5	35.6	35.6	92.00	16.80	5.2	2-35
80x80L 6N		10	18.8	134.1	140.9	33.5	36.2	72.60	15.00	5.1	2-35
40x120x120L		10	24.6	318.0	318.0	42.2	42.2	37.10	19.00	6.7	2-35
80x120L		10	25.6	389.2	192.8	64.9	48.2	119.00	29.10	6.9	2-36
80x160L		10	32.9	850.7	253.4	106.3	63.4	182.00	41.10	8.9	2-36
45x45L		10	6.0	11.7	11.7	5.2	5.2	1.46	0.75	1.6	2-37
45x45L 0N		10	6.7	13.5	13.5	6.0	6.0	16.20	6.10	1.8	2-37
45x45L 1N		10	6.5	12.6	13.5	5.5	6.0	10.00	5.20	1.8	2-38
45x45L 2N		10	6.4	11.6	13.5	5.2	6.0	5.50	4.30	1.7	2-38
45x45L 2NVS		10	6.4	12.6	12.6	5.6	5.6	6.30	3.80	1.7	2-38
45x45L 3N		10	6.2	12.6	11.7	5.4	5.2	3.40	2.40	1.7	2-39
45x30°		10	6.9	12.7	15.2	5.0	5.3	6.60	5.70	1.9	2-39
45x45°		10	7.6	13.4	21.4	5.2	6.4	9.00	6.80	2.0	2-39
45x60°		10	6.8	11.4	16.9	4.4	5.2	6.80	4.30	1.8	2-40
45x45L R		10	4.9	8.6	8.6	5.0	5.0	3.30	2.80	1.3	2-40
45x45HR		10	6.6	11.0	10.7	4.8	4.4	7.60	3.40	1.8	2-40
45x45		10	7.5	13.8	13.8	6.1	6.1	2.65	0.96	2.0	2-41
45x60		10	11.0	37.2	22.7	12.4	10.1	6.70	4.09	3.0	2-42
45x90SL		10	9.0	73.4	18.1	16.3	8.0	8.57	4.00	2.4	2-42

Profile		Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight	Page
			A (cm^2)	I_x (cm^4)	I_y (cm^4)	W_x (cm^3)	W_y (cm^3)	I_t (cm^4)	W_t (cm^3)	m (kg/m)	
45x90L		10	11.3	82.0	23.6	18.2	10.5	15.10	4.40	3.0	2-43
45x90L 2N		10	12.0	85.6	26.9	38.1	6.0	31.70	7.70	3.2	2-21
45x90L 2NVS		10	12.0	90.6	25.9	40.3	5.7	23.34	9.65	3.3	2-44
45x90L 3NVS		10	11.8	87.2	25.2	38.8	5.6	25.70	6.60	3.2	2-44
45x90L 4N		10	11.6	83.6	25.2	18.6	10.9	27.61	6.08	3.2	2-45
45x135L		10	16.8	267.4	36.2	39.6	16.1	29.50	8.20	4.6	2-45
45x135L 5N		10	17.3	274.4	38.6	40.7	17.6	32.50	10.90	4.7	2-45
45x90		10	15.4	124.6	32.8	27.7	14.6	15.40	6.61	4.2	2-46
45x180		10	25.5	766.7	57.3	85.2	25.5	44.40	17.00	6.9	2-46
45x270		10	61.9	3962.0	118.0	300.2	61.6	–	–	16.7	2-47
45x90x90L		10	21.2	152.1	152.1	19.1	19.1	34.90	11.60	5.7	2-47
45x90x90L 4N		10	22.1	160.8	160.8	30.6	30.6	65.30	17.20	6.0	2-48
90x90SL		10	14.1	130.2	130.2	28.9	28.9	42.50	13.90	3.8	2-48
90x90L		10	24.1	211.1	211.1	46.9	46.9	82.10	20.10	6.5	2-48
90x90L 4N		10	24.2	227.4	214.7	50.5	47.7	122.00	22.20	6.5	2-49
90x90L 4NVS		10	24.2	220.9	220.9	49.2	49.2	127.00	22.00	6.5	2-49
90x90		10	38.4	299.8	299.8	66.7	66.7	118.60	26.00	10.4	2-49
90x135L		10	32.9	629.4	305.2	93.3	67.8	163.70	39.6	8.9	2-50
90x180L		10	42.8	1380.0	401.0	153.3	89.1	257.00	47.10	11.6	2-51
90x180		10	63.6	2138.3	544.3	237.6	121.0	429.00	64.00	17.2	2-51
90x360		10	90.2	14065.0	710.0	781.4	157.7	937.10	117.60	24.4	2-52
15x22.5		10	1.3	0.8	0.3	0.9	0.6	–	–	0.3	2-52
15x180		10	11.6	321.7	3.2	35.7	4.2	–	–	3.1	2-53
22.5x45		10	4.7	7.1	2.9	3.2	2.6	–	–	1.3	2-53
22.5x180		10	21.6	581.0	11.8	66.8	14.7	–	–	5.8	2-53
50x50L		10	9.3	21.2	21.2	8.5	8.5	5.37	4.30	2.5	2-54
50x100L		10	17.2	162.8	42.6	32.6	17.0	29.43	10.70	4.6	2-54
50x150L		10	25.8	540.0	64.2	72.0	25.7	52.10	20.50	6.9	2-55

Profile		Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight	Page
			A (cm^2)	I_x (cm^4)	I_y (cm^4)	W_x (cm^3)	W_y (cm^3)	I_t (cm^4)	W_t (cm^3)	m (kg/m)	
100x100L		10	29.9	318.3	318.3	63.7	63.7	153.53	31.40	8.1	2-55
100x200L		10	54.0	2133.1	602.1	213.3	120.4	421.00	75.70	14.6	2-56
60x60L		10	9.6	32.4	32.4	10.8	10.8	13.20	8.70	2.6	2-56
60x60		10	14.4	52.2	52.2	17.4	17.4	15.90	8.80	3.9	2-57
60x90		10	25.8	214.2	90.5	47.6	30.2	45.80	18.00	7.0	2-57
50x50 Rectangular tube		10	4.5	15.1	15.1	5.7	5.7	–	–	1.2	2-58
Frame profile 22.5x30		10	3.2	1.7	3.0	1.5	2.0	–	–	0.9	2-61
Frame profile 22.5x45		10	3.4	6.7	1.7	2.8	1.3	–	–	0.9	2-62
Angle profile		10	4.5	8.8	6.9	3.2	2.3	–	–	1.2	2-63
Suspension profile		8	2.0	2.0	0.5	2.7	0.3	–	–	0.6	2-64
30x100 L/R Slotted plate		10	9.7	88.8	9.2	17.8	6.0	–	–	2.6	2-66
30x100 M Slotted plate		10	9.7	88.8	9.2	17.8	6.0	–	–	2.6	2-66
Profile rail 30x45C		10	4.4	10.3	5.6	4.2	3.7	–	–	1.2	2-71
U-profile		10	4.4	10.4	8.3	4.6	4.1	–	–	1.2	2-72
SP 2/R		8	5.2	4.3	11.7	2.4	5.2	–	–	1.4	2-72
SP 2/B		10	10.4	49.6	25.8	12.1	11.5	–	–	2.8	2-73
SP 2/B-50		8/10	6.9	16.1	16.9	5.3	7.5	–	–	1.9	2-73
SP 2/B-100		10	11.9	95.1	30.4	20.0	13.5	–	–	3.2	2-73
SP 2/BH		10	12.4	53.7	28.6	14.0	13.8	–	–	3.3	2-74
D28			2.4	1.5	1.5	1.1	1.1	–	–	0.7	2-76
D28x55			5.9	3.2	88.3	2.3	32.1	–	–	1.6	2-77
D28L			1.8	1.3	1.3	1.0	1.0	–	–	0.5	2-80
D28L; N10			2.6	1.0	2.0	1.4	0.8	–	–	0.7	2-80
60x120 Cable guide profile		10	14.9	31.2	232.5	7.8	38.7	–	–	4.0	2-100
120x120 Cable guide profile		10	21.9	211.3	412.5	24.7	68.4	–	–	5.9	2-101

Profile		Slot	Profile surface	Moment of inertia		Moment of resistance		Torsion index		Weight	Page
			A (cm^2)	I_x (cm^4)	I_y (cm^4)	W_x (cm^3)	W_y (cm^3)	I_t (cm^4)	W_t (cm^3)	**m** (kg/m)	
120x120 6N Cable guide profile		10	23.9	366.4	457.4	50.5	70.5	–	–	6.5	2-101
40x120x120 Cable guide profile		10	27.2	411.7	411.7	54.8	54.8	–	–	7.3	2-102
Frame profile 30x30 WG30		8	3.2	2.5	3.0	1.6	1.9	–	–	0.9	10-28
Frame profile 30x30 WG40		8	3.2	2.4	2.9	1.5	1.8	–	–	0.9	10-28
Frame profile 30x45 WG30		8	4.5	7.3	4.2	3.2	2.7	–	–	1.2	10-28
Frame profile 30x45 WG40		8	4.5	6.9	4.1	4.3	1.8	–	–	1.2	10-28
Frame profile 22.5x45 PG		10	3.4	6.3	1.9	2.7	1.7	–	–	0.9	10-32
Frame profile 45x45 PG		10	5.5	11.1	11.7	4.7	5.2	–	–	1.5	10-42
Section profile MV45x45		10	6.2	11.8	10.5	5.3	4.7	–	–	1.7	12-27







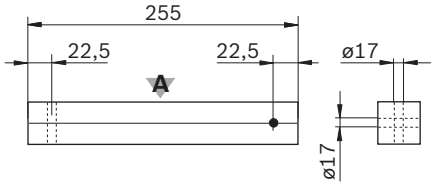


Profile finishing

Profile finishing is required whenever interlocking connectors are used. For instance, holes need to be drilled for bolt connectors or threads need to be cut into central hole. 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

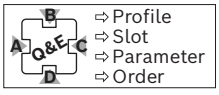


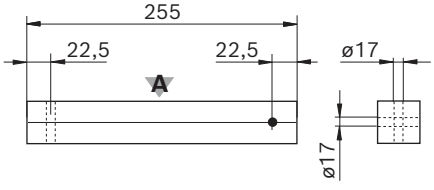
00133799

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



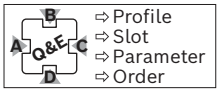


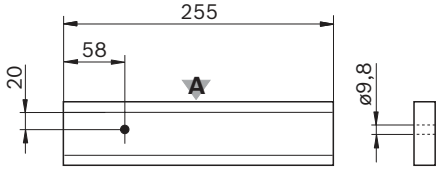
00133800

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 onwards 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 onwards as well as the fold-out section at the end of the catalog.

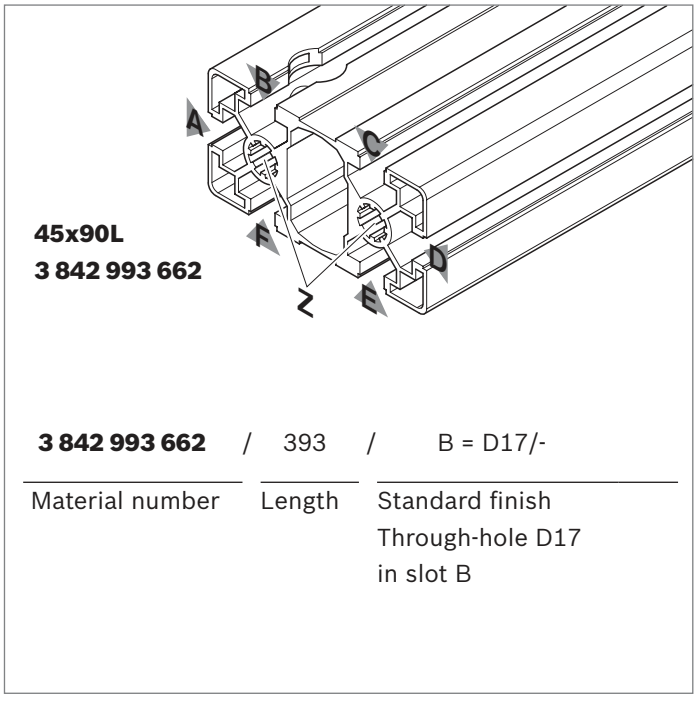


MT*pro*, *FRAMEpro* and Rexroth Store – software tools for designers, planners, and buyers

Quick & Easy is supported by the project planning tools *MTpro* and *FRAMEpro* as well as the profile configurator in the Rexroth Store.

We offer:

- Tool-based design and configuration
- Automated generation of profile finishings
- Generation of 3D CAD models for designers
- Dimension drawings at the press of a button
- Automatic parts lists for ordering in the Rexroth Store



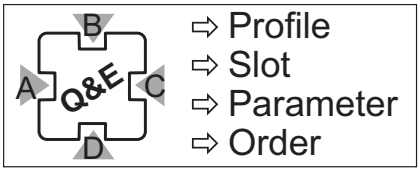
3 842 993 662	/ 393	/ B = D17/-
Material number	Length	Standard finish Through-hole D17 in slot B

Quick & Easy – four steps for simple ordering

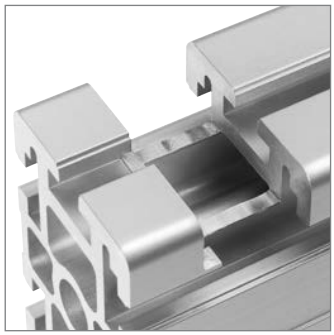
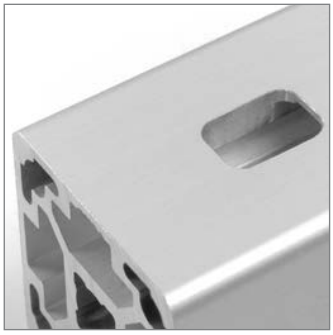
The type of profile finishing is defined in an order key; all finishes for a profile can be summarized in one order key.

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 18-2 onwards






Profile finishing

Rexroth offers 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

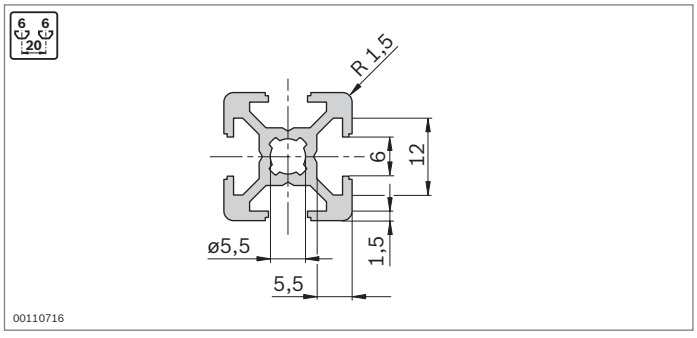
Drilling jigs
In the tools section you will find useful drilling jigs for the Rexroth standard finishes (p. 14-2).

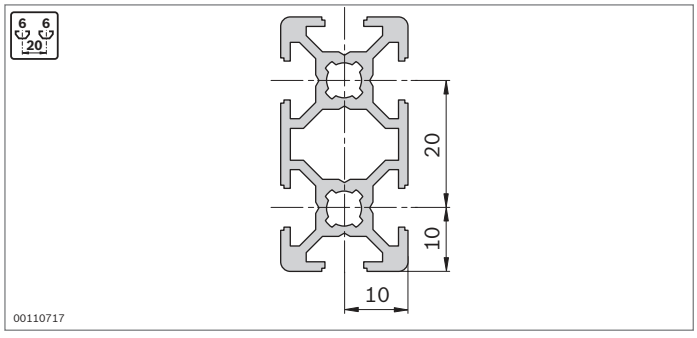
Strut profiles with 6 mm slot

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

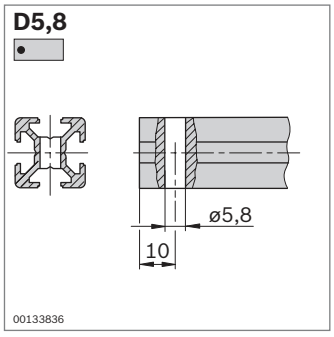
The 20x40 and 20x60 profiles are especially suitable for reinforcing; the 20x40x40 profile is suitable for constructing showcases, flow racks, and enclosures.

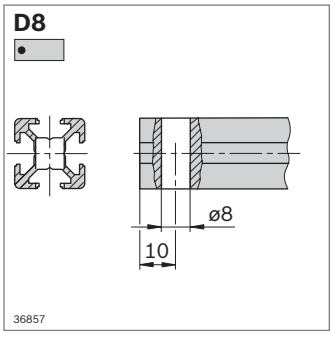
Slot, modular dimensions, central bore

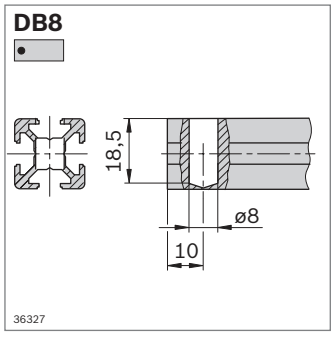


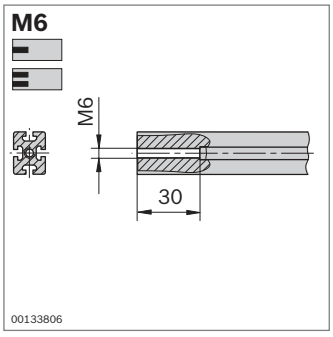


Profile finishing









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

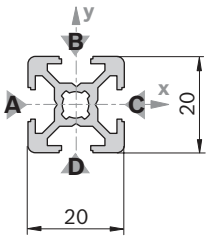
	–	M6	D5.8	D8/DB8
–	50	50	50	50
M6	50	70	50	70
D5.8	50	50	50	50
D8/DB8	50	70	50	50

Reduced maximum profile lengths $L_{max\,i}$ with individual profile finishing

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

20x20

A = 1,6 cm²
I_x = 0,7 cm⁴
I_y = 0,7 cm⁴
W_x = 0,7 cm³
W_y = 0,7 cm³
m = 0,4 kg/m



19168

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**
1 pc		3000	**3 842 517 173**
20 pcs		3000	**3 842 517 179**

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

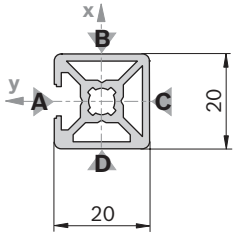
Quick & Easy (p. 2-8, see fold-out section)

20x20	3 842 993 694 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6 / D5.8 / D8 / DB8
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 335 / 370 mm

20x20 1N

A = 1,9 cm²
I_x = 0,8 cm⁴
I_y = 0,8 cm⁴
W_x = 0,8 cm³
W_y = 0,8 cm³
m = 0,5 kg/m



19169

Cover cap: see 20x20

20x20 1N		L (mm)	No.
1 pc		50 ... 3000	**3 842 993 421 / L**
1 pc		3000	**3 842 536 476**
20 pcs		3000	**3 842 536 475**

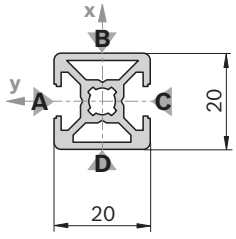
Quick & Easy (p. 2-8, see fold-out section)

20x20 1N	3 842 993 690 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6 / D5.8 / D8 / DB8
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 335 / 370 mm

20x20 2N

A = 1,8 cm²
I_x = 0,7 cm⁴
I_y = 0,8 cm⁴
W_x = 0,7 cm³
W_y = 0,8 cm³
m = 0,5 kg/m



19170

Cover cap: see 20x20

20x20 2N		L (mm)	No.
1 pc		50 ... 3000	**3 842 993 422 / L**
1 pc		3000	**3 842 536 479**
20 pcs		3000	**3 842 536 478**

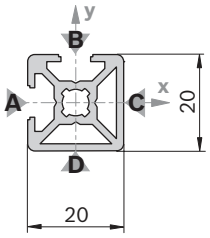
Quick & Easy (p. 2-8, see fold-out section)

20x20 2N	3 842 993 691 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6 / D5.8 / D8 / DB8
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 335 / 370 mm

20x20 2NVS

A = 1,8 cm²
I_x = 0,7 cm⁴
I_y = 0,7 cm⁴
W_x = 0,7 cm³
W_y = 0,7 cm³
m = 0,5 kg/m



19171

Cover cap: see 20x20

20x20 2NVS		L (mm)	No.
1 pc		50 ... 3000	**3 842 992 924 / L**
1 pc		3000	**3 842 519 657**
20 pcs		3000	**3 842 519 658**

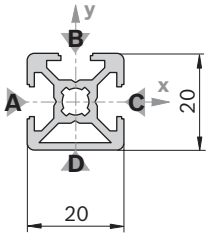
Quick & Easy (p. 2-8, see fold-out section)

20x20 2NVS	3 842 993 692 / ....
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6 / D5.8 / D8 / DB8
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 335 / 370 mm

20x20 3N

A = 1,7 cm²
I_x = 0,7 cm⁴
I_y = 0,8 cm⁴
W_x = 0,7 cm³
W_y = 0,7 cm³
m = 0,5 kg/m



19172

Cover cap: see 20x20

20x20 3N		L (mm)	No.
1 pc		50 ... 3000	**3 842 992 889 / L**
1 pc		3000	**3 842 517 174**
20 pcs		3000	**3 842 517 180**

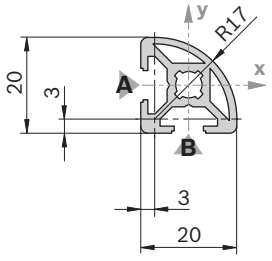
Quick & Easy (p. 2-8, see fold-out section)

20x20 3N	3 842 993 693 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6 / D5.8 / D8 / DB8
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 335 / 370 mm

20x20 R

A = 1,6 cm²
I_x = 0,6 cm⁴
I_y = 0,6 cm⁴
W_x = 0,5 cm³
W_y = 0,5 cm³
m = 0,4 kg/m



19173

20x20 R		L (mm)	No.
1 pc		50 ... 3000	**3 842 992 890 / L**
1 pc		3000	**3 842 517 177**
20 pcs		3000	**3 842 517 183**

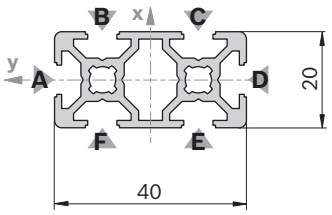
Quick & Easy (p. 2-8, see fold-out section)

20x20 R	3 842 993 695 / ....
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	–

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			

20x40

A = 2,9 cm²
I_x = 4,6 cm⁴
I_y = 1,2 cm⁴
W_x = 2,5 cm³
W_y = 1,4 cm³
m = 0,8 kg/m



19174

Cover cap	Color	ESD		No.
20x20 (2x)	Signal gray		100	**3 842 548 742**
20x20 (2x)	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**
1 pc		3000	**3 842 517 178**
24 pcs		3000	**3 842 537 816**

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

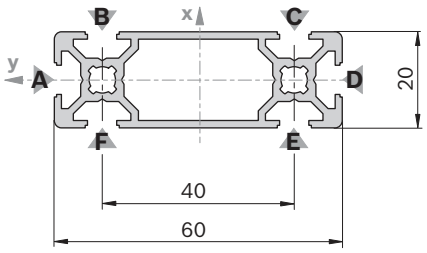
Quick & Easy (p. 2-8, see fold-out section)

20x40	3 842 993 696 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6 / D5.8 / D8 / DB8
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

20x60

A = 3,5 cm²
I_x = 14,2 cm⁴
I_y = 1,7 cm⁴
W_x = 4,7 cm³
W_y = 1,7 cm³
m = 0,9 kg/m



19175

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

20x60		L (mm)	No.
1 pc		50 ... 3000	**3 842 992 992 / L**
1 pc		3000	**3 842 523 239**
16 pcs		3000	**3 842 537 819**

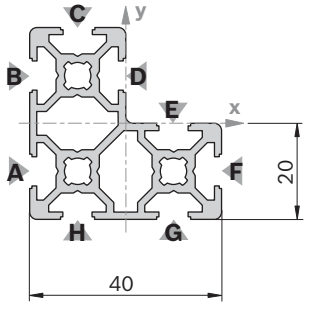
Quick & Easy (p. 2-8, see fold-out section)

20x60	3 842 993 698 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6 / D5.8 (B,C,E,F)[1] / D8 (B,C,E,F)[1] / DB8
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 404 /508 mm

20x40x40

A = 4,2 cm²
I_x = 6,0 cm⁴
I_y = 6,0 cm⁴
W_x = 2,6 cm³
W_y = 2,6 cm³
m = 1,1 kg/m



19176

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

20x40x40		L (mm)	No.
1 pc		50 ... 3000	**3 842 992 991 / L**
1 pc		3000	**3 842 523 241**
16 pcs		3000	**3 842 537 818**

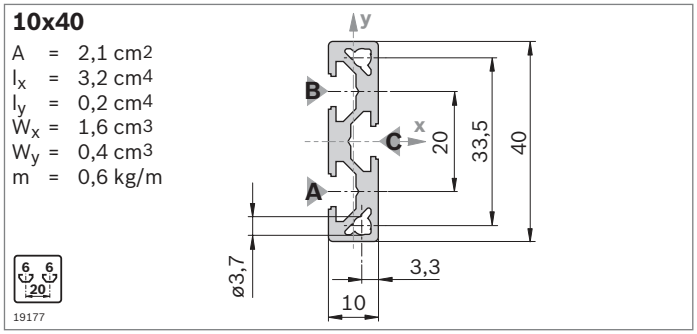
Quick & Easy (p. 2-8, see fold-out section)

20x40x40	3 842 993 697 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	M6 / D5.8 / D8 / DB8
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

10x40

A = 2,1 cm²
I_x = 3,2 cm⁴
I_y = 0,2 cm⁴
W_x = 1,6 cm³
W_y = 0,4 cm³
m = 0,6 kg/m



Cover cap	Color	ESD		No.
10x40 (1x)	Signal gray		20	**3 842 548 766**
10x40 (1x)	Black	⚠	20	**3 842 548 767**
Material:	PP			

10x40		L (mm)	No.
1 pc		50 ... 3000	**3 842 993 077 / L**
1 pc		3000	**3 842 526 816**
10 pcs		3000	**3 842 526 817**

Quick & Easy (p. 2-8, see fold-out section)

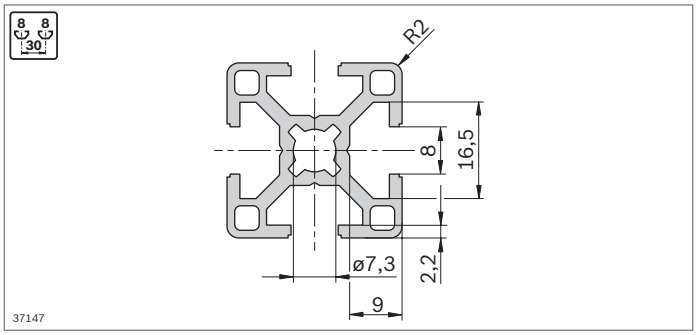
10x40	3 842 993 683 / ...
Length L (mm)	50 ... 3000
Standard profile finishing (note minimum length, p. 2-11)	D5.8 / D8
Customized profile finishing	–

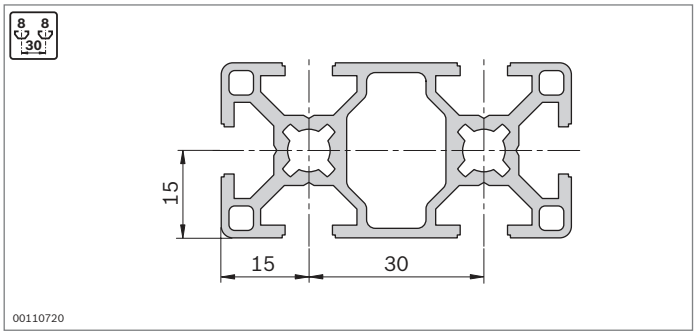
Strut profiles with 8 mm slot

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

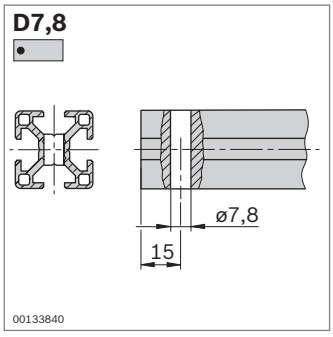
Profile 30x60x60 is suitable for constructing showcases and flow racks. Attractive covers and hoods can be designed with radius profiles.

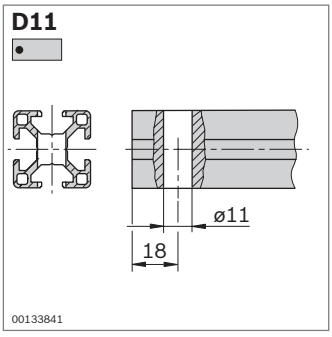
Slot, modular dimensions, central bore

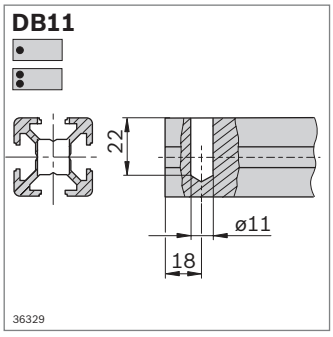


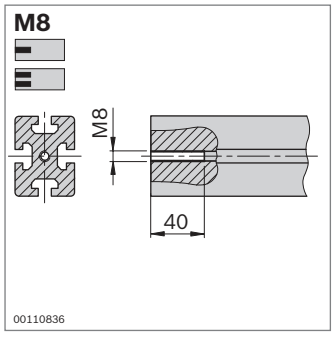


Profile finishing









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

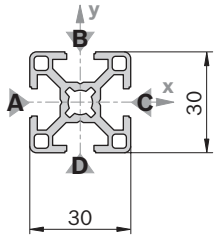
	–	M8	D7.8	D11/DB11
–	50	50	50	50
M8	50	80	62	70
D7.8	50	62	60	50
D11/DB11	50	70	50	60

Reduced maximum profile lengths $L_{max\ i}$ with individual profile finishing

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

30x30

A = 3,1 cm²
I_x = 2,8 cm⁴
I_y = 2,8 cm⁴
W_x = 1,8 cm³
W_y = 1,8 cm³
m = 0,9 kg/m



19178

30x30			L (mm)	No.
1 pc			50 ... 6070	**3 842 990 720 / L**
1 pc	M8		50 ... 6000	**3 842 990 721 / L**
1 pc	M8	M8	80 ... 6000	**3 842 990 723 / L**
1 pc	M8	D11	70 ... 6000	**3 842 990 724 / L**
1 pc	D7,8	D7,8	60 ... 6000	**3 842 992 965 / L**
1 pc	D11		50 ... 6000	**3 842 990 722 / L**
1 pc	D11	D11	60 ... 6000	**3 842 990 725 / L**
1 pc	D11	D11V	60 ... 6000	**3 842 990 726 / L**
1 pc			6070	**3 842 557 216**
20 pcs			6070	**3 842 557 206**

Quick & Easy (p. 2-8, see fold-out section)

30x30	3 842 993 703 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 352 / 404 mm

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			

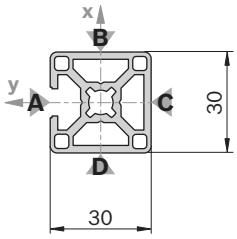
Cover cap ZN	ESD	No.	FS
30x30-ZN	⚠	**3 842 518 204**	FS1
Material:	Cover cap: Diecast zinc Fastening material: Steel; zinc-plated		

FS1

DIN 7991 M4x16

30x30 1N

A = 3,7 cm²
I_x = 3,1 cm⁴
I_y = 3,5 cm⁴
W_x = 2,0 cm³
W_y = 2,3 cm³
m = 1,0 kg/m



19179

Cover cap: see 30x30

30x30 1N			L (mm)	No.
1 pc			50 ... 6070	**3 842 992 397 / L**
1 pc			6070	**3 842 557 218**
20 pcs			6070	**3 842 557 208**

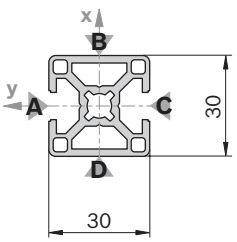
Quick & Easy (p. 2-8, see fold-out section)

30x30 1N	3 842 993 704 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 352 / 404 mm

30x30 2N

A = 3,5 cm²
I_x = 2,8 cm⁴
I_y = 3,5 cm⁴
W_x = 2,1 cm³
W_y = 2,7 cm³
m = 1,0 kg/m



19180

Cover cap: see 30x30

30x30 2N			L (mm)	No.
1 pc			50 ... 6070	**3 842 992 399 / L**
1 pc			6070	**3 842 557 230**
20 pcs			6070	**3 842 557 220**

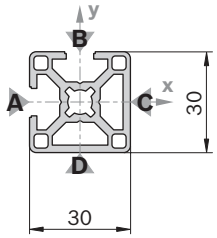
Quick & Easy (p. 2-8, see fold-out section)

30x30 2N	3 842 993 705 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 352 / 404 mm

30x30 2NVS

A = 3,5 cm²
I_x = 3,1 cm⁴
I_y = 3,1 cm⁴
W_x = 2,0 cm³
W_y = 2,0 cm³
m = 1,0 kg/m



19181

Cover cap: see 30x30

30x30 2NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 398 / L**
1 pc		6070	**3 842 557 219**
20 pcs		6070	**3 842 557 209**

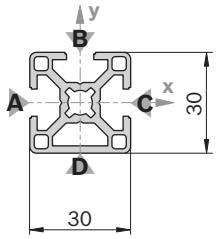
Quick & Easy (p. 2-8, see fold-out section)

30x30 2NVS	3 842 993 706 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 352 / 404 mm

30x30 3N

A = 3,3 cm²
I_x = 3,1 cm⁴
I_y = 2,8 cm⁴
W_x = 2,3 cm³
W_y = 2,1 cm³
m = 0,9 kg/m



19182

Cover cap: see 30x30

30x30 3N		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 400 / L**
1 pc		6070	**3 842 557 231**
20 pcs		6070	**3 842 557 221**

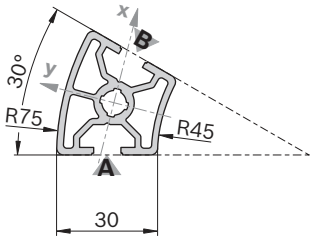
Quick & Easy (p. 2-8, see fold-out section)

30x30 3N	3 842 993 707 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 352 / 404 mm

30x30°

A = 3,7 cm²
I_x = 3,5 cm⁴
I_y = 3,6 cm⁴
W_x = 2,0 cm³
W_y = 1,9 cm³
m = 1,0 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			

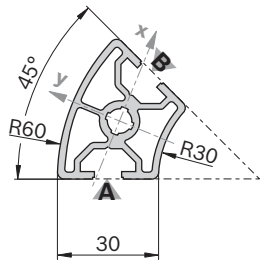
30x30°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 010 / L**
1 pc		6070	**3 842 558 313**
20 pcs		6070	**3 842 557 951**

Quick & Easy (p. 2-8, see fold-out section)

30x30°	3 842 993 708 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8
Customized profile finishing	–

30x45°

A = 4,0 cm²
I_x = 3,6 cm⁴
I_y = 5,1 cm⁴
W_x = 2,1 cm³
W_y = 2,3 cm³
m = 1,1 kg/m



19184

30x45°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 011 / L**
1 pc		6070	**3 842 558 314**
20 pcs		6070	**3 842 557 952**

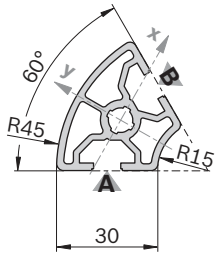
Quick & Easy (p. 2-8, see fold-out section)

30x45°	3 842 993 711 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8
Customized profile finishing	–

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

30x60°

A = 3,6 cm²
I_x = 3,0 cm⁴
I_y = 4,1 cm⁴
W_x = 1,7 cm³
W_y = 1,9 cm³
m = 1,0 kg/m



19185

30x60°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 012 / L**
1 pc		6070	**3 842 558 315**
20 pcs		6070	**3 842 557 953**

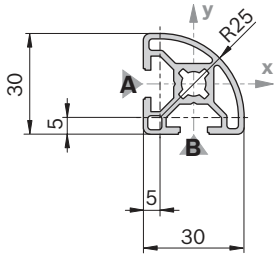
Quick & Easy (p. 2-8, see fold-out section)

30x60°	3 842 993 714 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8
Customized profile finishing	–

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

30x30 R

A = 2,9 cm²
I_x = 2,3 cm⁴
I_y = 2,3 cm⁴
W_x = 1,4 cm³
W_y = 1,4 cm³
m = 0,8 kg/m



19186

30x30 R		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 896 / L**
1 pc		6070	**3 842 558 309**
20 pcs		6070	**3 842 557 947**

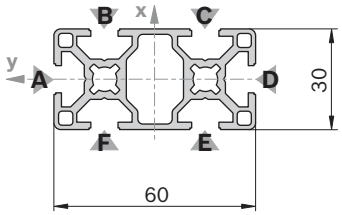
Quick & Easy (p. 2-8, see fold-out section)

30x30 R	3 842 993 709 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-15)	M8 / DB11
Customized profile finishing	–

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			

30x60

A = 5,5 cm²
I_x = 19,6 cm⁴
I_y = 5,1 cm⁴
W_x = 7,0 cm³
W_y = 3,9 cm³
m = 1,5 kg/m



19187

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	ESD	20	**3 842 548 745**
30x60 (1x)	Black	ESD	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	ESD	20	**3 842 548 775**
Material:	PP			

30x60		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 457 / L**
1 pc	M8	50 ... 6000	**3 842 992 458 / L**
1 pc	M8 M8	80 ... 6000	**3 842 992 926 / L**
1 pc	D11	50 ... 6000	**3 842 992 459 / L**
1 pc	D11 D11	60 ... 6000	**3 842 992 460 / L**
1 pc	D11 D11V	60 ... 6000	**3 842 992 463 / L**
1 pc	D11V D11V	60 ... 6000	**3 842 992 462 / L**
1 pc		6070	**3 842 557 215**
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

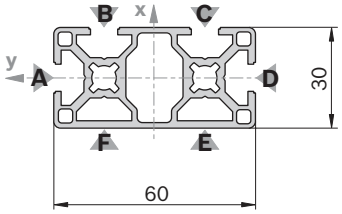
Quick & Easy (p. 2-8, see fold-out section)

30x60	3 842 993 712 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Individual profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 404 / 508 mm

30x60 4N

A = 5,8 cm²
I_x = 20,2 cm⁴
I_y = 5,5 cm⁴
W_x = 6,7 cm³
W_y = 3,8 cm³
m = 1,6 kg/m



19188

Cover cap: see 30x60

30x60 4N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 420 / L**
1 pc		6070	**3 842 536 473**
10 pcs		6070	**3 842 536 472**

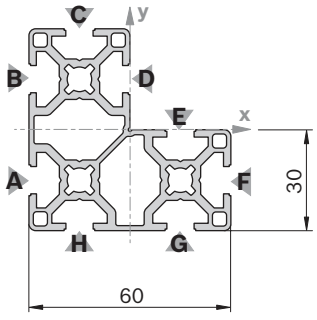
Quick & Easy (p. 2-8, see fold-out section)

30x60 4N	3 842 993 713 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Individual profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 404 / 508 mm

30x60x60

A = 8,2 cm²
I_x = 26,2 cm⁴
I_y = 26,2 cm⁴
W_x = 7,6 cm³
W_y = 7,6 cm³
m = 2,2 kg/m



19189

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

30x60x60		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 016 / L**
1 pc		6070	**3 842 557 248**
20 pcs		6070	**3 842 557 241**

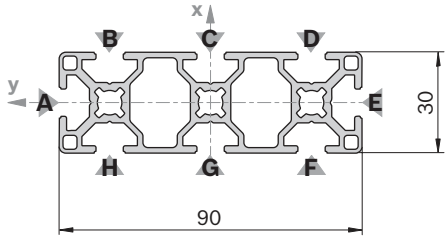
Quick & Easy (p. 2-8, see fold-out section)

30x60x60	3 842 993 715 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Individual profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 404 / 508 mm

30x90

A = 7,7 cm²
I_x = 60,7 cm⁴
I_y = 7,3 cm⁴
W_x = 13,5 cm³
W_y = 4,9 cm³
m = 2,1 kg/m



19190

30x90		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 618 / L**
20 pcs		6070	**3 842 541 937**

Quick & Easy (p. 2-8, see fold-out section)

30x90	3 842 993 762 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 (B,C,D,F, G,H)[1]/ D11 (B,C,D, F,G,H)[1] / DB11
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots

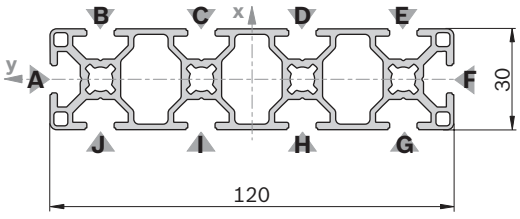
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 150 / 150 mm

Cover cap	Color	ESD		No.
30x30 (3x)	Signal gray		100	**3 842 548 744**
30x30 (3x)	Black	ESD	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	ESD	20	**3 842 548 775**
Material:	PP			

30x120

A = 9,9 cm²
I_x =136,3 cm⁴
I_y = 9,6 cm⁴
W_x = 22,7 cm³
W_y = 6,4 cm³
m = 2,7 kg/m



19191

30x120		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 841 / L**
20 pcs		6070	**3 842 541 939**

Quick & Easy (p. 2-8, see fold-out section)

30x120	3 842 993 763 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 (B,C,D,E, G,H,I,J)[1] / D11 (B,C,D, E,G,H,I,J)[1] / DB11
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots

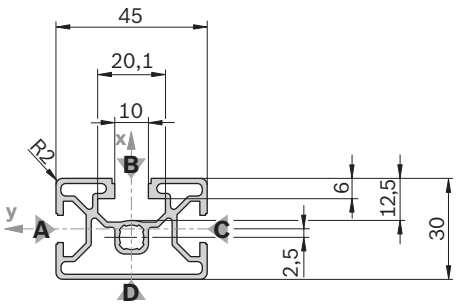
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 150 / 150 mm

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	ESD	20	**3 842 548 745**
30x60 (2x)	Black	ESD	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	ESD	20	**3 842 548 775**
Material:	PP			

30x45

A = 4,0 cm²
I_x = 8,1 cm⁴
I_y = 3,9 cm⁴
W_x = 3,9 cm³
W_y = 2,9 cm³
m = 1,1 kg/m



19192

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

30x45		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 430 / L**
1 pc	M8	50 ... 6000	**3 842 992 431 / L**
1 pc		6070	**3 842 557 213**
18 pcs		6070	**3 842 557 203**

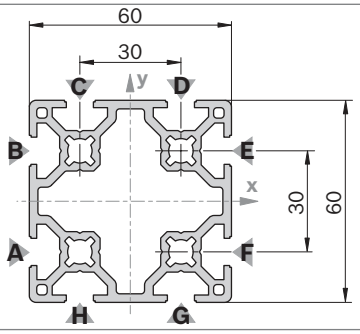
Quick & Easy (p. 2-8, see fold-out section)

30x45	3 842 993 710 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length,p. 2-16)	M8 / D7.8 (A,C)[1] / D9.8 (B)[1]/ D11 (A,C)[1] / DB11 / D17 (B)[1]
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

60x60 8N

A = 9,8 cm²
I_x = 39,7 cm⁴
I_y = 39,7 cm⁴
W_x = 13,2 cm³
W_y = 13,2 cm³
m = 2,6 kg/m



19193

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			

60x60 8N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 033 / L**
1 pc		6070	**3 842 564 215**
20 pcs		6070	**3 842 535 176**

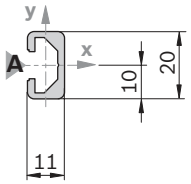
Quick & Easy (p. 2-8, see fold-out section)

60x60 8N	3 842 993 669 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-16)	M8 / D7.8 / D11 / DB11
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[2] DG_{max} = 45°; L_{min1} / L_{min2} = 404 / 508 mm

11x20

A = 1,0 cm²
I_x = 0,5 cm⁴
I_y = 0,1 cm⁴
W_x = 0,7 cm³
W_y = 0,3 cm³
m = 0,3 kg/m



19194

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

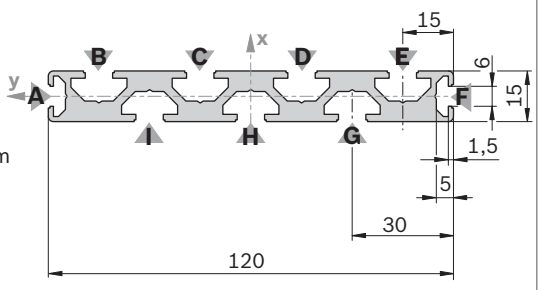
11x20		L (mm)	No.
1 pc		50 ... 2000	**3 842 992 476 / L**
1 pc		2000	**3 842 564 213**
10 pcs		2000	**3 842 513 581**

Quick & Easy (p. 2-8, see fold-out section)

11x20	3 842 993 688 / ...
Length L (mm)	50 ... 2000
Standard profile finishing (note minimum length, p. 2-16)	D7.8 / D11
Customized profile finishing	–

15x120

A = 9,0 cm²
I_x = 110,4 cm⁴
I_y = 2,2 cm⁴
W_x = 18,4 cm³
W_y = 2,7 cm³
m = 2,4 kg/m



19195

Cover cap	Color	ESD		No.
15x120 (1x)	Signal gray		20	**3 842 548 768**
15x120 (1x)	Black	⚠	20	**3 842 548 769**
Material:	PP			

15x120		L (mm)	No.
1 pc		50 ... 3000	**3 842 993 078 / L**
1 pc		3000	**3 842 526 818**
10 pcs		3000	**3 842 537 821**

Quick & Easy (p. 2-8, see fold-out section)

15x120	3 842 993 684 / ...
Length L (mm)	80 ... 3000
Standard profile finishing (note minimum length, p. 2-16)	D7.8 (B,C,D,E,G,H,I)[1] / D11 (B,C,D,E,G,H,I)[1]
Individual profile finishing ($L_{max\ i}$ = 2300 mm)	DI / DIS / MT / MTS / MI / MIS

[1] For the specified slots

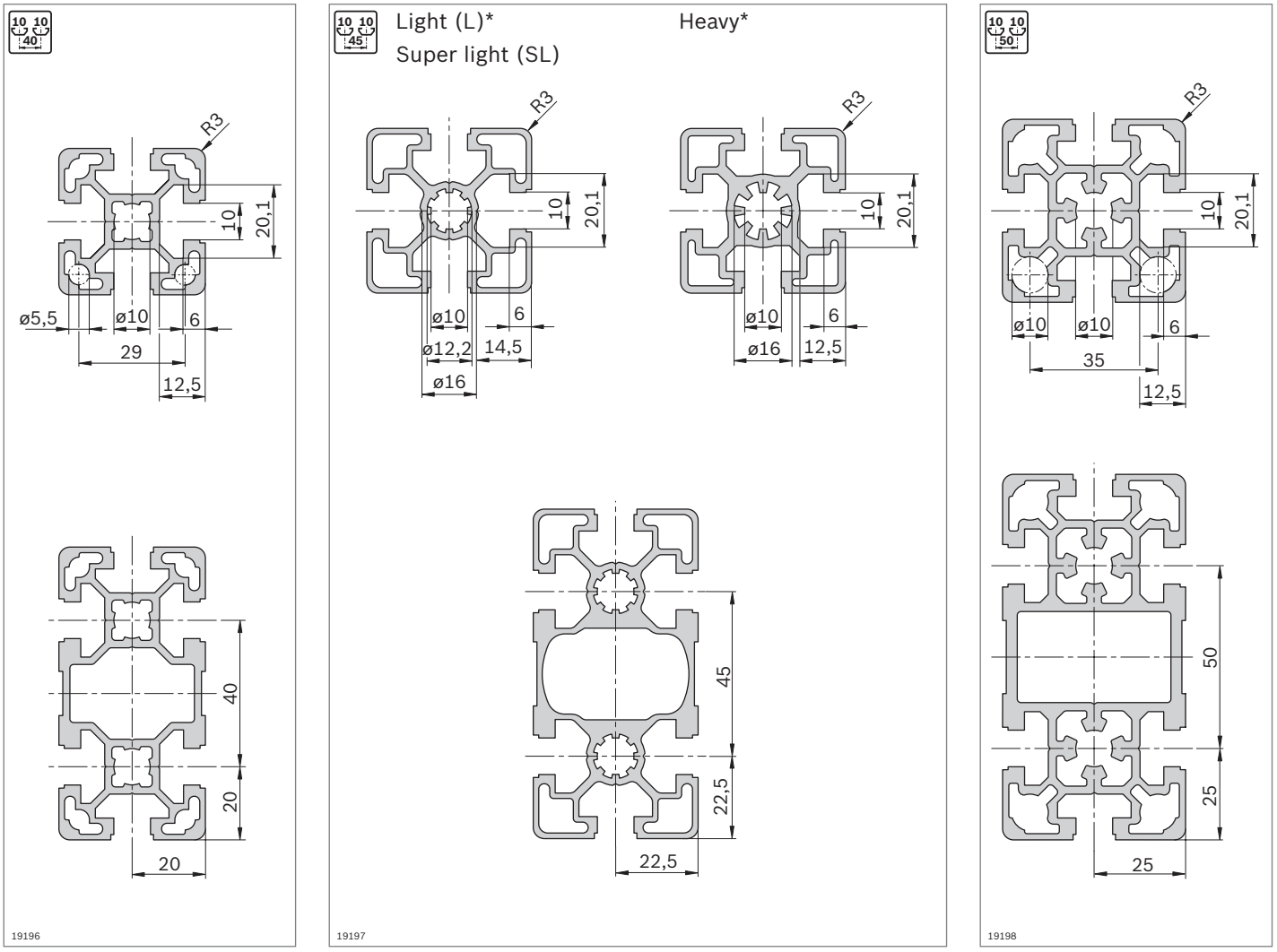
2

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, protective equipment 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	60
M12	60	110	180	90	90	110
M16	120	180	240	150	170	170
D9.8	50	90	150	80	70	90
D17/DB17	60	90	170	70	80	90
F1	60	110	170	90	90	80

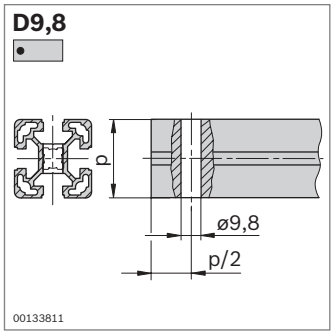
For applications with high loads, we recommend especially stable profiles with 10 mm slots, e.g. for heavy work tables, fixtures, machine frames, transport shuttles, protective enclosures, and handling systems.

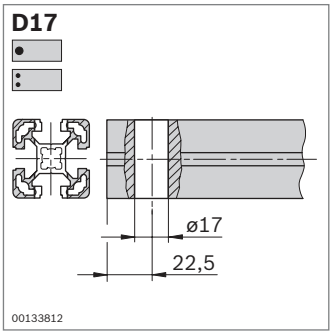
Reduced maximum profile lengths $L_{max\,i}$ with individual profile finishing

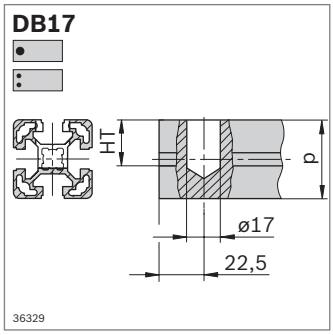
L_{max} (mm)	$L_{max\,i}$ (mm)
6070	5400
3000	2300
2000	1300

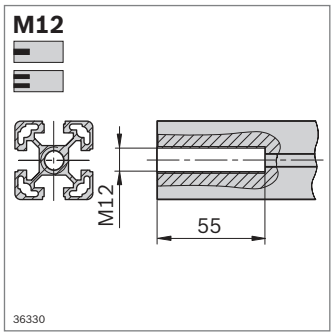
Due to its very sturdy design, this slot allows maximum strength connections.

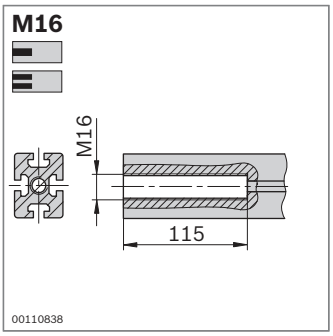
Profile finishing

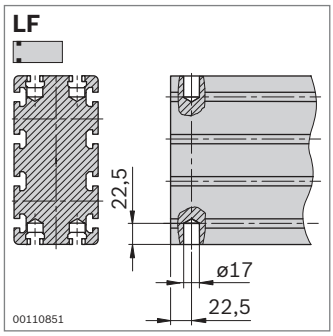


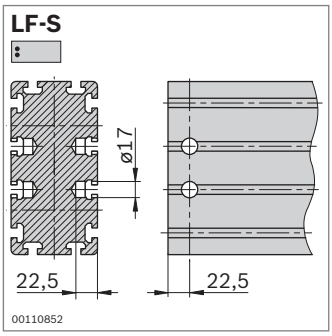


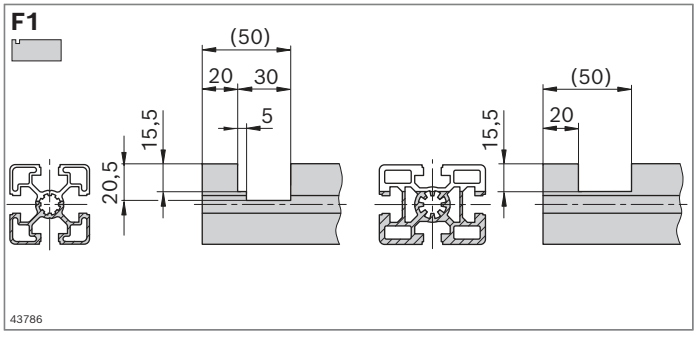








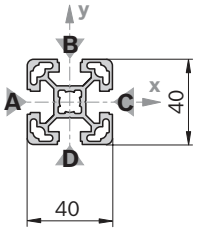




F1 exception: 45x60 and sliding door profile 45x45

40x40L

A = 5,6 cm²
I_x = 9,1 cm⁴
I_y = 9,1 cm⁴
W_x = 4,5 cm³
W_y = 4,5 cm³
m = 1,5 kg/m





19199

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	M12	110 ... 6000	**3 842 993 122 / L**
1 pc	M12	D17	90 ... 6000	**3 842 993 123 / L**
1 pc	D17		60 ... 6000	**3 842 993 124 / L**
1 pc	D17	D17	80 ... 6000	**3 842 993 125 / L**
1 pc	D17	D17V	80 ... 6000	**3 842 993 126 / L**
1 pc	D9,8	D9,8	80 ... 6000	**3 842 993 129 / L**
1 pc			6070	**3 842 529 340**
20 pcs			6070	**3 842 529 339**

Quick & Easy (p. 2-8, see fold-out section)

40x40L	3 842 993 724 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

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

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

Cover cap ZN	ESD	No.	FS
40x40-ZN	ESD	**3 842 541 807**	FS2
Material:	Cover cap: Diecast zinc Fastening material: Steel; zinc-plated		

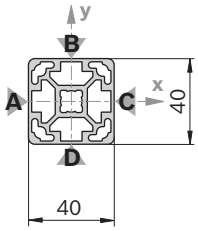
FS2



DIN 7991
M6x16

40x40L 0N

A = 6,3 cm²
I_x = 10,4 cm⁴
I_y = 10,4 cm⁴
W_x = 5,2 cm³
W_y = 5,2 cm³
m = 1,7 kg/m





19200

Cover cap: see 40x40

40x40L 0N			L (mm)	No.
1 pc			50 ... 6070	**3 842 993 876 / L**
20 pcs			6070	**3 842 540 954**

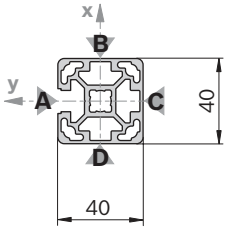
Quick & Easy (p. 2-8, see fold-out section)

40x40L 0N	3 842 993 760 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

40x40L 1N

A = 6,1 cm²
I_x = 9,8 cm⁴
I_y = 10,3 cm⁴
W_x = 4,7 cm³
W_y = 5,1 cm³
m = 1,7 kg/m





19201

Cover cap: see 40x40

40x40L 1N			L (mm)	No.
1 pc			50 ... 6070	**3 842 993 185 / L**
1 pc	M12	M12	110 ... 6000	**3 842 993 186 / L**
1 pc			6070	**3 842 529 362**
20 pcs			6070	**3 842 529 361**

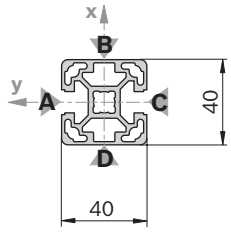
Quick & Easy (p. 2-8, see fold-out section)

40x40L 1N	3 842 993 719 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

40x40L 2N

A = 6,0 cm²
I_x = 9,0 cm⁴
I_y = 10,3 cm⁴
W_x = 4,5 cm³
W_y = 5,2 cm³
m = 1,6 kg/m





19202

Cover cap: see 40x40

40x40L 2N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 187 / L**
1 pc	M12 M12	110 ... 6000	**3 842 993 188 / L**
1 pc		6070	**3 842 529 364**
20 pcs		6070	**3 842 529 363**

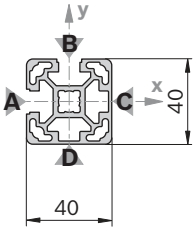
Quick & Easy (p. 2-8, see fold-out section)

40x40L 2N	3 842 993 720 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

40x40L 2NVS

A = 6,0 cm²
I_x = 9,7 cm⁴
I_y = 9,7 cm⁴
W_x = 4,9 cm³
W_y = 4,9 cm³
m = 1,6 kg/m





19203

Cover cap: see 40x40

40x40L 2NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 189 / L**
1 pc	M12 M12	110 ... 6000	**3 842 993 190 / L**
1 pc		6070	**3 842 529 366**
20 pcs		6070	**3 842 529 365**

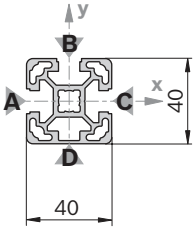
Quick & Easy (p. 2-8, see fold-out section)

40x40L 2NVS	3 842 993 721 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

40x40L 3N

A = 5,8 cm²
I_x = 9,7 cm⁴
I_y = 9,0 cm⁴
W_x = 4,8 cm³
W_y = 4,5 cm³
m = 1,6 kg/m





19204

Cover cap: see 40x40

40x40L 3N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 191 / L**
1 pc	M12 M12	110 ... 6000	**3 842 993 192 / L**
1 pc		6070	**3 842 529 368**
20 pcs		6070	**3 842 529 367**

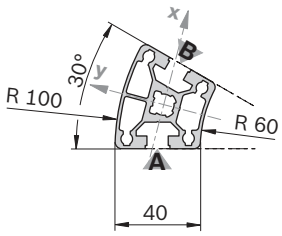
Quick & Easy (p. 2-8, see fold-out section)

40x40L 3N	3 842 993 722 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

40x30°

A = 6,2 cm²
I_x = 9,4 cm⁴
I_y = 11,8 cm⁴
W_x = 4,7 cm³
W_y = 5,9 cm³
m = 1,7 kg/m



19205

40x30°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 195 / L**
1 pc		6070	**3 842 529 372**
12 pcs		6070	**3 842 529 371**

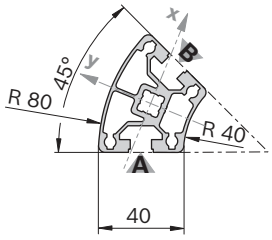
Quick & Easy (p. 2-8, see fold-out section)

40x30°	3 842 993 718 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12
Customized profile finishing	–

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 cm²
I_x = 9,9 cm⁴
I_y = 16,6 cm⁴
W_x = 5,0 cm³
W_y = 8,3 cm³
m = 1,8 kg/m



19206

40x45°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 197 / L**
1 pc		6070	**3 842 529 374**
12 pcs		6070	**3 842 529 373**

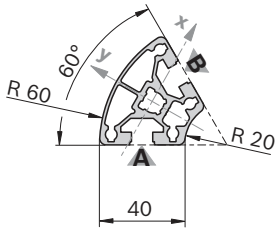
Quick & Easy (p. 2-8, see fold-out section)

40x45°	3 842 993 726 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12
Customized profile finishing	–

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 cm²
I_x = 8,7 cm⁴
I_y = 13,1 cm⁴
W_x = 4,3 cm³
W_y = 6,5 cm³
m = 1,7 kg/m



19207

40x60°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 198 / L**
1 pc		6070	**3 842 529 376**
12 pcs		6070	**3 842 529 375**

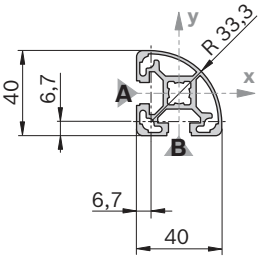
Quick & Easy (p. 2-8, see fold-out section)

40x60°	3 842 993 727 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12
Customized profile finishing	–

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

40x40L R

A = 5,0 cm²
I_x = 7,2 cm⁴
I_y = 7,2 cm⁴
W_x = 3,6 cm³
W_y = 3,6 cm³
m = 1,3 kg/m



19208

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:	PP			

40x40L R		L (mm)	No.
1 pc	▭	50 ... 6070	**3 842 993 184 / L**
1 pc	▭	6070	**3 842 529 360**
20 pcs	▭	6070	**3 842 529 359**

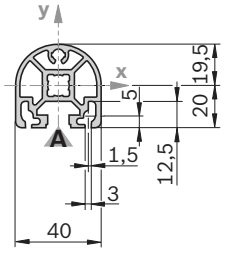
Quick & Easy (p. 2-8, see fold-out section)

40x40L R	3 842 993 725 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / DB17 (A,B)[1]
Customized profile finishing	–

[1] For the specified slots

40x40 HR

A = 5,5 cm²
I_x = 8,1 cm⁴
I_y = 7,6 cm⁴
W_x = 4,0 cm³
W_y = 3,6 cm³
m = 1,5 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:	PP			

Cover cap with hole[1]	Color	ESD		No.
40x40 HR (1x)	Signal gray		20	**3 842 548 786**
40x40 HR (1x)	Black	⚠	20	**3 842 548 787**
Material:	PP			

[1] The cover cap is also suitable for use with a hole; hole can be broken out

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**
1 pc	▭	6070	**3 842 564 216**
20 pcs	▭	6070	**3 842 529 381**

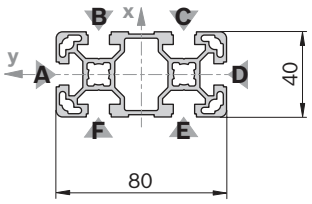
Quick & Easy (p. 2-8, see fold-out section)

40x40 HR	3 842 993 723 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / DB17
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 370 / 440 mm

40x80L

A = 9,9 cm²
I_x = 63,4 cm⁴
I_y = 17,3 cm⁴
W_x = 15,9 cm³
W_y = 8,7 cm³
m = 2,7 kg/m





19210

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 M12	110 ... 6000	**3 842 993 132 / L**
1 pc	D17 D17	80 ... 6000	**3 842 993 135 / L**
1 pc	D17 D17V	80 ... 6000	**3 842 993 136 / L**
1 pc	D17V	60 ... 6000	**3 842 993 137 / L**
1 pc	D17V D17V	80 ... 6000	**3 842 993 138 / L**
1 pc		6070	**3 842 529 342**
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. 2-8, see fold-out section)

40x80L	3 842 993 728 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Individual profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

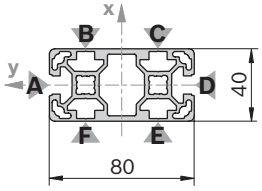
[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

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	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 cm²
I_x = 66,6 cm⁴
I_y = 20,8 cm⁴
W_x = 16,6 cm³
W_y = 10,4 cm³
m = 2,9 kg/m





33094

Cover cap: see 40x80

40x80L 2N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 877 / L**
12 pcs		6070	**3 842 555 650**

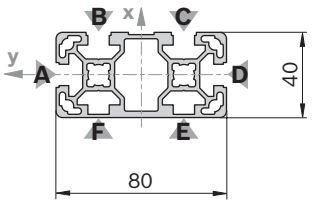
Quick & Easy (p. 2-8, see fold-out section)

40x80L 2N	3 842 993 768 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

40x80L 4N

A = 10,4 cm²
I_x = 65,2 cm⁴
I_y = 19,1 cm⁴
W_x = 16,3 cm³
W_y = 9,9 cm³
m = 2,8 kg/m





19211

Cover cap: see 40x80

40x80L 4N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 424 / L**
1 pc		6070	**3 842 536 485**
12 pcs		6070	**3 842 536 484**

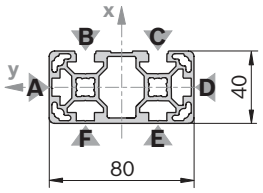
Quick & Easy (p. 2-8, see fold-out section)

40x80L 4N	3 842 993 729 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

40x80L 2NVS

A = 10,7 cm²
I_x = 67,8 cm⁴
I_y = 19,0 cm⁴
W_x = 17,0 cm³
W_y = 9,5 cm³
m = 2,9 kg/m



33093

Cover cap: see 40x80

40x80L 2NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 997 / L**
12 pcs		6070	**3 842 555 649**

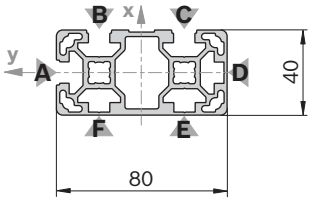
Quick & Easy (p. 2-8, see fold-out section)

40x80 L 2NVS	3 842 993 767 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

40x80L 3NVS

A = 10,6 cm²
I_x = 67,8 cm⁴
I_y = 19,0 cm⁴
W_x = 17,0 cm³
W_y = 9,5 cm³
m = 2,9 kg/m



19212

Cover cap: see 40x80

40x80L 3NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 654 / L**
1 pc		6070	**3 842 538 329**
12 pcs		6070	**3 842 538 330**

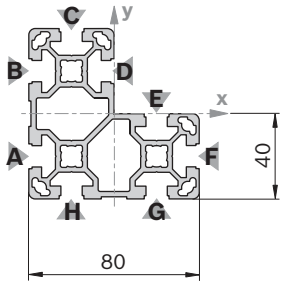
Quick & Easy (p. 2-8, see fold-out section)

40x80L 3NVS	3 842 993 753 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

40x80x80L

A = 15,4 cm²
I_x = 96,6 cm⁴
I_y = 96,6 cm⁴
W_x = 24,2 cm³
W_y = 24,2 cm³
m = 4,2 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			

40x80x80L		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 193 / L**
1 pc		6070	**3 842 529 370**
8 pcs		6070	**3 842 537 827**

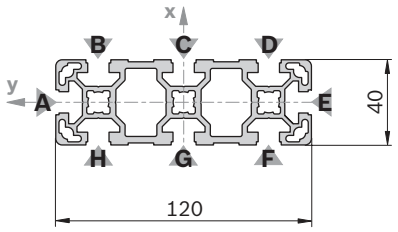
Quick & Easy (p. 2-8, see fold-out section)

40x80x80L	3 842 993 730 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

40x120L

A = 15,5 cm²
I_x = 203,2 cm⁴
I_y = 27,8 cm⁴
W_x = 33,9 cm³
W_y = 13,9 cm³
m = 4,2 kg/m



19214

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 M12	110 ... 6000	**3 842 993 141 / L**
1 pc	D17 D17	80 ... 6000	**3 842 993 142 / L**
1 pc	D17V D17V	90 ... 6000	**3 842 993 225 / L**
1 pc		6070	**3 842 529 344**
8 pcs		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

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	ESD	20	**3 842 548 747**
40x80 (1x)	Black	ESD	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

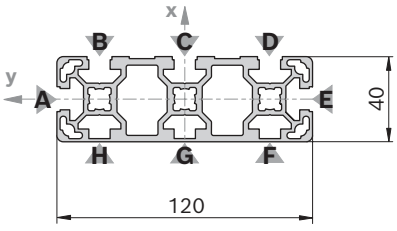
Quick & Easy (p. 2-8, see fold-out section)

40x120L	3 842 993 716 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (B,C,D,F, G,H)[1] / D17 (B,C,D,F, G,H)[1] / DB17 /
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

40x120L 5N

A = 15,8 cm²
I_x = 212,4 cm⁴
I_y = 30,1 cm⁴
W_x = 35,3 cm³
W_y = 15,5 cm³
m = 4,3 kg/m



37612

Cover cap: See 40x120L

40x120L 5N		L (mm)	No.
1 pc		50 ... 6070	**3 842 996 363 / L**
8 pcs		6070	**3 842 558 480**

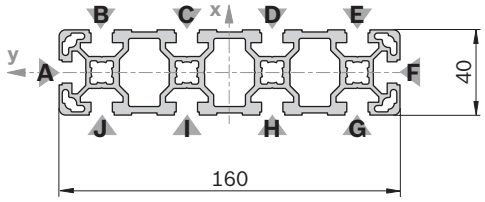
Quick & Easy (p. 2-8, see fold-out section)

40x120L 5N	3 842 993 771 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (B, C, D, F, G, H)[1] / D17 (B, C, D, F, G, H)[1] / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

40x160L

A = 20,5 cm²
I_x = 466,7 cm⁴
I_y = 37,2 cm⁴
W_x = 58,3 cm³
W_y = 18,6 cm³
m = 5,5 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			

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 M12	110 ... 6000	**3 842 993 145 / L**
1 pc	D17 D17	80 ... 6000	**3 842 993 146 / L**
1 pc		6070	**3 842 529 346**
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

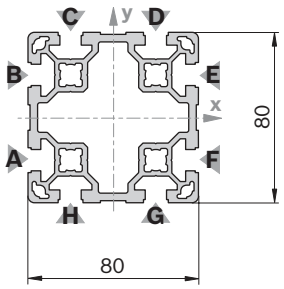
Quick & Easy (p. 2-8, see fold-out section)

40x160L	3 842 993 717 / ...
Length L (mm)	80 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (B,C,D,E,G,H, I,J)[1] / D17 (B,C,D,E,G,H, I,J)[1] / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

80x80L

A = 18,2 cm²
I_x = 132,1 cm⁴
I_y = 132,1 cm⁴
W_x = 33,0 cm³
W_y = 33,0 cm³
m = 4,9 kg/m



19216

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**
1 pc		6070	**3 842 529 348**
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

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

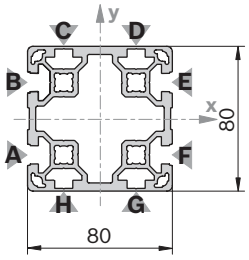
Quick & Easy (p. 2-8, see fold-out section)

80x80L	3 842 993 674 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

80x80L 4N

A = 19,1 cm²
I_x = 142,5 cm⁴
I_y = 142,5 cm⁴
W_x = 35,6 cm³
W_y = 35,6 cm³
m = 5,2 kg/m



36363

80x80L 4N		L (mm)	No.
1 pc		50 ...6070	**3 842 994 173 / L**
6 pcs		6070	**3 842 555 651**

Quick & Easy (p. 2-8, see fold-out section)

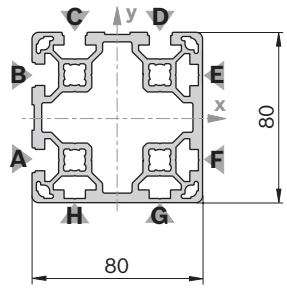
80x80L 4N	3 842 993 769 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

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 4NVS

A = 19,3 cm²
I_x = 142,5 cm⁴
I_y = 142,5 cm⁴
W_x = 35,6 cm³
W_y = 35,6 cm³
m = 5,2 kg/m



19416

Cover cap: see 80x80

80x80L 4NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 658 / L**
1 pc		6070	**3 842 538 333**
6 pcs		6070	**3 842 538 334**

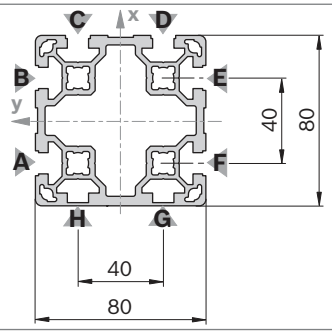
Quick & Easy (p. 2-8, see fold-out section)

80x80L 4NVS	3 842 993 758 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

80x80L 6N

A = 18,8 cm²
I_x = 134,1 cm⁴
I_y = 140,9 cm⁴
W_x = 33,5 cm³
W_y = 36,2 cm³
m = 5,1 kg/m



19417

Cover cap: see 80x80

80x80L 6N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 423 / L**
1 pc		6070	**3 842 536 482**
6 pcs		6070	**3 842 536 481**

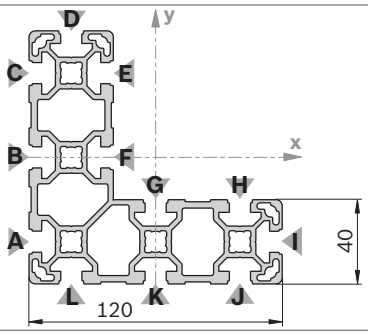
Quick & Easy (p. 2-8, see fold-out section)

80x80L 6N	3 842 993 675 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

40x120x120L

A = 24,6 cm²
I_x = 318,0 cm⁴
I_y = 318,0 cm⁴
W_x = 42,2 cm³
W_y = 42,2 cm³
m = 6,7 kg/m



19418

Cover cap	Color	ESD		No.
40x40 (5x)	Signal gray		100	**3 842 548 746**
40x80 (2x)	Signal gray		20	**3 842 548 748**
40x40 (1x)	Signal gray		100	**3 842 548 746**
40x40 (5x)	Black	⚠	20	**3 842 548 747**
40x80 (2x)	Black	⚠	20	**3 842 548 749**
40x40 (1x)	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

40x120x120L		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 653 / L**
1 pc		6070	**3 842 538 252**
4 pcs		6070	**3 842 538 287**

Quick & Easy (p. 2-8, see fold-out section)

40x120x120L	3 842 993 757 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (B,C,J,K)[1] / D17 / DB17 (A,B,C,D,I, J,K,L)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

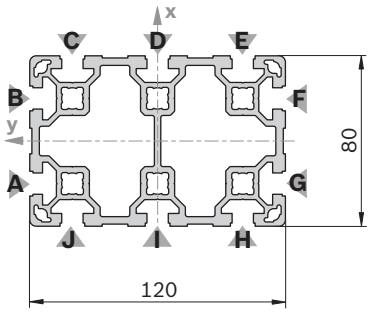
[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 420 / 540 mm

80x120L

A = 25,6 cm²
I_x = 389,2 cm⁴
I_y = 192,8 cm⁴
W_x = 64,9 cm³
W_y = 48,2 cm³
m = 6,9 kg/m



19419



Cover cap	Color	ESD		No.
80x120 (1x)	Signal gray		20	**3 842 548 792**
80x120 (1x)	Black	⚠	20	**3 842 548 793**
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**
1 pc		6070	**3 842 529 380**
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

Quick & Easy (p. 2-8, see fold-out section)

80x120L	3 842 993 672 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (C,D,E,H,I, J)[1] / D17 (C,D,E,H,I,J)[1] / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

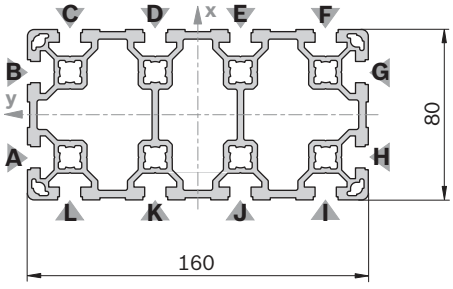
[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 439 / 578 mm

80x160L

A = 32,9 cm²
I_x = 850,7 cm⁴
I_y = 253,4 cm⁴
W_x = 106,3 cm³
W_y = 63,4 cm³
m = 8,9 kg/m



19420



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**
1 pc		6070	**3 842 529 350**
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

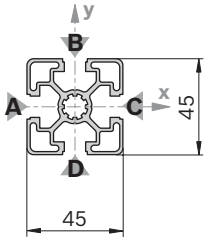
Quick & Easy (p. 2-8, see fold-out section)

80x160L	3 842 993 673 / ...
Length L (mm)	80 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (C,D,E,F,I, J,K,L)[1] / D17 (C,D,E,F,I,J, K,L)[1] / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 460 / 620 mm

45x45L

A = 6,0 cm²
I_x = 11,7 cm⁴
I_y = 11,7 cm⁴
W_x = 5,2 cm³
W_y = 5,2 cm³
m = 1,6 kg/m





19421

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	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	⚠	**3 842 518 205**	FS2
Material:	Cover cap: Diecast zinc Fastening material: Steel; zinc-plated		

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**
1 pc		6070	**3 842 553 618**
20 pcs		6070	**3 842 553 611**

Quick & Easy (p. 2-8, see fold-out section)

45x45L	3 842 993 737 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17 / F1 (A)[1]
Customized profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

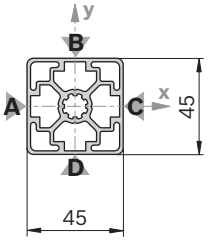
[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

FS2



45x45L 0N

A = 6,7 cm²
I_x = 13,5 cm⁴
I_y = 13,5 cm⁴
W_x = 6,0 cm³
W_y = 6,0 cm³
m = 1,8 kg/m





19422

Cover cap: see 45x45

45x45L 0N		L (mm)	No.
1 pc		50 ... 6070	**3 842 994 174 / L**
20 pcs		6070	**3 842 540 955**

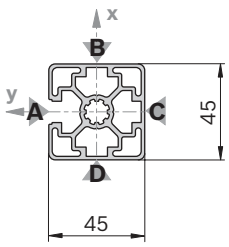
Quick & Easy (p. 2-8, see fold-out section)

45x45L 0N	3 842 993 761 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

45x45L 1N

A = 6,5 cm²
I_x = 12,6 cm⁴
I_y = 13,5 cm⁴
W_x = 5,5 cm³
W_y = 6,0 cm³
m = 1,8 kg/m



19423

Cover cap: see 45x45

45x45L 1N		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 401 / L**
1 pc		6070	**3 842 557 232**
20 pcs		6070	**3 842 557 222**

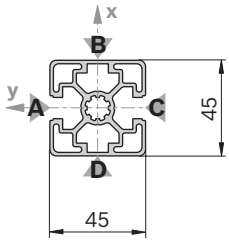
Quick & Easy (p. 2-8, see fold-out section)

45x45L 1N	3 842 993 738 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

45x45L 2N

A = 6,4 cm²
I_x = 11,6 cm⁴
I_y = 13,5 cm⁴
W_x = 5,2 cm³
W_y = 6,0 cm³
m = 1,7 kg/m



19424

Cover cap: see 45x45

45x45L 2N		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 403 / L**
1 pc		6070	**3 842 557 234**
20 pcs		6070	**3 842 557 224**

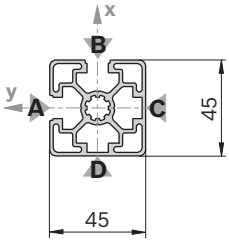
Quick & Easy (p. 2-8, see fold-out section)

45x45L 2N	3 842 993 739 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

45x45L 2NVS

A = 6,4 cm²
I_x = 12,6 cm⁴
I_y = 12,6 cm⁴
W_x = 5,6 cm³
W_y = 5,6 cm³
m = 1,7 kg/m



19425

Cover cap: see 45x45

45x45L 2NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 402 / L**
1 pc		6070	**3 842 557 233**
20 pcs		6070	**3 842 557 223**

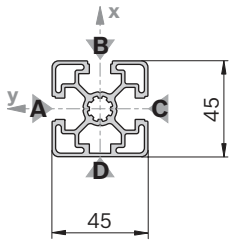
Quick & Easy (p. 2-8, see fold-out section)

45x45L 2NVS	3 842 993 740 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

45x45L 3N

A = 6,2 cm²
I_x = 12,6 cm⁴
I_y = 11,7 cm⁴
W_x = 5,4 cm³
W_y = 5,2 cm³
m = 1,7 kg/m



19426

Cover cap: see 45x45

45x45L 3N		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 404 / L**
1 pc		6070	**3 842 557 235**
20 pcs		6070	**3 842 557 225**

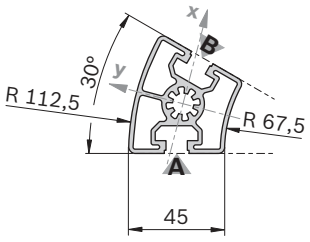
Quick & Easy (p. 2-8, see fold-out section)

45x45L 3N	3 842 993 741 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

45x30°

A = 6,9 cm²
I_x = 12,7 cm⁴
I_y = 15,2 cm⁴
W_x = 5,0 cm³
W_y = 5,3 cm³
m = 1,9 kg/m



19427

45x30°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 013 / L**
1 pc		6070	**3 842 558 316**
20 pcs		6070	**3 842 557 954**

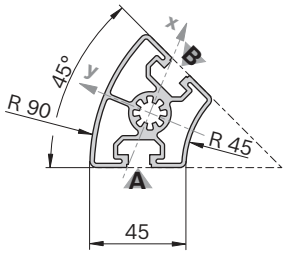
Quick & Easy (p. 2-8, see fold-out section)

45x30°	3 842 993 733 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12
Customized profile finishing	–

Cover cap	Color	ESD		No.
45x30° (1x)	Signal gray		20	**3 842 551 020**
45x30° (1x)	Black	⚠	20	**3 842 551 021**
Material:	PP			

45x45°

A = 7,6 cm²
I_x = 13,4 cm⁴
I_y = 21,4 cm⁴
W_x = 5,2 cm³
W_y = 6,4 cm³
m = 2,0 kg/m



19428

45x45°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 014 / L**
1 pc		6070	**3 842 558 317**
20 pcs		6070	**3 842 557 955**

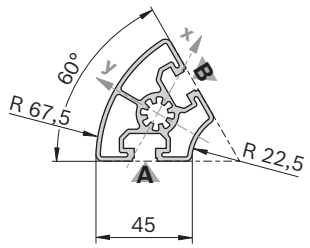
Quick & Easy (p. 2-8, see fold-out section)

45x45°	3 842 993 735 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12
Customized profile finishing	–

Cover cap	Color	ESD		No.
45x45° (1x)	Signal gray		20	**3 842 551 022**
45x45° (1x)	Black	⚠	20	**3 842 551 023**
Material:	PP			

45x60°

A = 6,8 cm²
I_x = 11,4 cm⁴
I_y = 16,9 cm⁴
W_x = 4,4 cm³
W_y = 5,2 cm³
m = 1,8 kg/m



19429

45x60°		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 015 / L**
1 pc		6070	**3 842 558 318**
20 pcs		6070	**3 842 557 956**

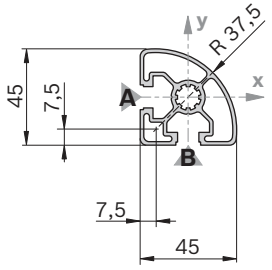
Quick & Easy (p. 2-8, see fold-out section)

45x60°	3 842 993 744 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12
Customized profile finishing	–

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 cm²
I_x = 8,6 cm⁴
I_y = 8,6 cm⁴
W_x = 5,0 cm³
W_y = 5,0 cm³
m = 1,3 kg/m



19430

45x45L R		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 897 / L**
1 pc		6070	**3 842 558 310**
20 pcs		6070	**3 842 557 948**

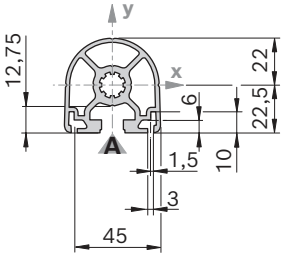
Quick & Easy (p. 2-8, see fold-out section)

45x45L R	3 842 993 742 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / DB17
Customized profile finishing	–

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 cm²
I_x = 11,0 cm⁴
I_y = 10,7 cm⁴
W_x = 4,8 cm³
W_y = 4,4 cm³
m = 1,8 kg/m



19431

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**
1 pc		6070	**3 842 558 319**
20 pcs		6070	**3 842 557 957**

Quick & Easy (p. 2-8, see fold-out section)

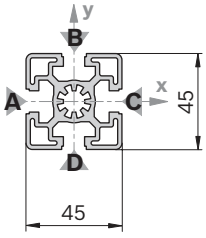
45x45 HR	3 842 993 736 / ...
Length L (mm)	50 ...6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

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			

45x45

A = 7,5 cm²
I_x = 13,8 cm⁴
I_y = 13,8 cm⁴
W_x = 6,1 cm³
W_y = 6,1 cm³
m = 2,0 kg/m





19432

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	Color	ESD		No.
45x45 (1x)	Signal gray		20	**3 842 548 796**
45x45 (1x)	Black	⚠	20	**3 842 548 797**
Material:	PP			

45x45		L (mm)	No.
1 pc		50 ... 6070	**3 842 990 520 / L**
1 pc	M12	60 ... 6000	**3 842 990 517 / L**
1 pc	M12 M12	110 ... 6000	**3 842 990 518 / L**
1 pc	M12 M16	180 ... 6000	**3 842 990 519 / L**
1 pc	M12 D17	90 ... 6000	**3 842 990 640 / L**
1 pc	M16	120 ... 6000	**3 842 990 521 / L**
1 pc	M16 D17	170 ... 6000	**3 842 990 642 / L**
1 pc	D9,8 D9,8	70 ... 6000	**3 842 992 969 / L**
1 pc	D17	60 ... 6000	**3 842 990 648 / L**
1 pc	D17 D17	80 ... 6000	**3 842 990 644 / L**
1 pc	D17 D17V	80 ... 6000	**3 842 990 646 / L**
1 pc		6070	**3 842 553 621**
20 pcs		6070	**3 842 553 614**

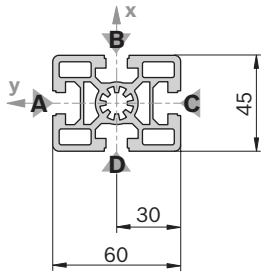
Quick & Easy (p. 2-8, see fold-out section)

45x45	3 842 993 734 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

45x60

A = 11,0 cm²
I_x = 37,2 cm⁴
I_y = 22,7 cm⁴
W_x = 12,4 cm³
W_y = 10,1 cm³
m = 3,0 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**
1 pc		6070	**3 842 557 210**
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

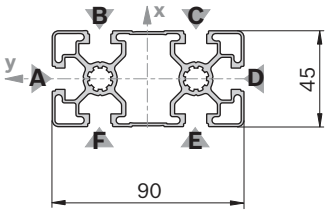
Quick & Easy (p. 2-8, see fold-out section)

45x60	3 842 993 743 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 / D17 / DB17 / F1 (A,C)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 404 / 508 mm

45x90SL

A = 9,0 cm²
I_x = 73,4 cm⁴
I_y = 18,1 cm⁴
W_x = 16,3 cm³
W_y = 8,0 cm³
m = 2,4 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**
1 pc		6070	**3 842 537 103**
12 pcs		6070	**3 842 537 102**

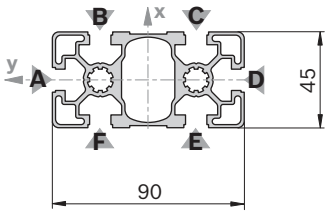
Quick & Easy (p. 2-8, see fold-out section)

45x90SL	3 842 993 759 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

45x90L

A = 11,3 cm²
I_x = 82,0 cm⁴
I_y = 23,6 cm⁴
W_x = 18,2 cm³
W_y = 10,5 cm³
m = 3,0 kg/m





19435

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	M12	110 ... 6000	**3 842 992 433 / L**
1 pc	D17	D17	80 ... 6000	**3 842 992 437 / L**
1 pc	D17	D17V	80 ... 6000	**3 842 992 436 / L**
1 pc	D17V		60 ... 6000	**3 842 992 452 / L**
1 pc	D17V	D17V	80 ... 6000	**3 842 992 435 / L**
1 pc	LF	LF	80 ... 6000	**3 842 993 084 / L**
1 pc			6070	**3 842 553 619**
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

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			

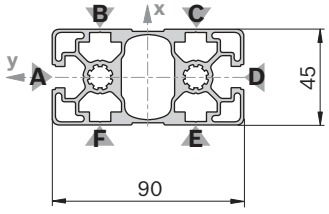
Quick & Easy (p. 2-8, see fold-out section)

45x90L	3 842 993 662 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

45x90L 2N

A = 12,0 cm²
I_x = 85,6 cm⁴
I_y = 26,9 cm⁴
W_x = 38,1 cm³
W_y = 6,0 cm³
m = 3,2 kg/m





36364

Cover cap: see 45x90

45x90L 2N			L (mm)	No.
1 pc			50 ... 6070	**3 842 993 644 / L**
1 pc			6070	**3 842 538 303**
12 pcs			6070	**3 842 538 299**

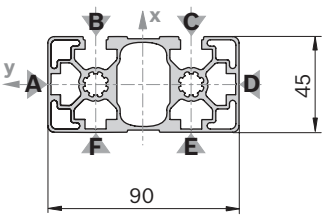
Quick & Easy (p. 2-8, see fold-out section)

45x90L 2N	3 842 993 751 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

45x90L 2NVS

A = 12,0 cm²
I_x = 90,6 cm⁴
I_y = 25,9 cm⁴
W_x = 40,3 cm³
W_y = 5,7 cm³
m = 3,3 kg/m





33096

Cover cap: see 45x90

45x90L 2NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 994 175 / L**
12 pcs		6070	**3 842 555 652**

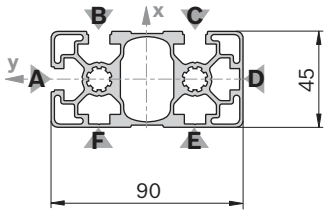
Quick & Easy (p. 2-8, see fold-out section)

45x90L 2NVS	3 842 993 770 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 456/ 612 mm

45x90L 3NVS

A = 11,8 cm²
I_x = 87,2 cm⁴
I_y = 25,2 cm⁴
W_x = 38,8 cm³
W_y = 5,6 cm³
m = 3,2 kg/m





19437

Cover cap: see 45x90

45x90L 3NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 635 / L**
1 pc		6070	**3 842 538 302**
12 pcs		6070	**3 842 538 298**

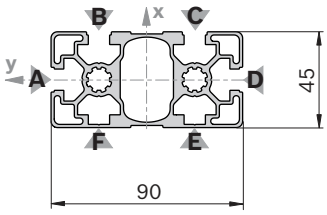
Quick & Easy (p. 2-8, see fold-out section)

45x90L 3NVS	3 842 993 752 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

45x90L 4N

A = 11,6 cm²
I_x = 83,6 cm⁴
I_y = 25,2 cm⁴
W_x = 18,6 cm³
W_y = 10,9 cm³
m = 3,2 kg/m





43375

Cover cap: see 45x90

45x90L 4N		L (mm)	No.
1 pc		50 ... 6070	**3 842 994 180 / L**
1 pc		6070	**3 842 567 973**
12 pcs		6070	**3 842 567 974**

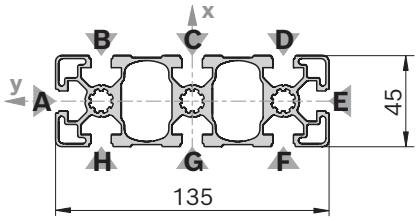
Quick & Easy (p. 2-8, see fold-out section)

45x90L 4N	3 842 993 777 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

45x135L

A = 16,8 cm²
I_x = 267,4 cm⁴
I_y = 36,2 cm⁴
W_x = 39,6 cm³
W_y = 16,1 cm³
m = 4,6 kg/m





39851

Cover cap	Color	ESD		No.
45x45 (1x)	Signal gray		100	**3 842 548 752**
45x90 (1x)	Signal gray		20	**3 842 548 756**
45x45 (1x)	Black		20	**3 842 548 753**
45x90 (1x)	Black		20	**3 842 548 757**
Material:	PP			

Notice:
For the 45x135L and 45x135L 5N profiles, you require the following combination of cover caps: 1x 45x45 and 1x 45x90

45x135L		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 528 / L**
1 pc		6070	**3 842 564 124**
8 pcs		6070	**3 842 564 122**

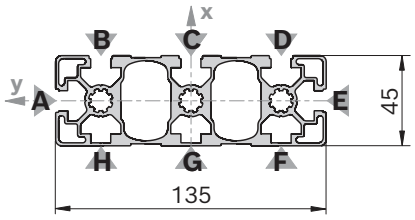
Quick & Easy (p. 2-8, see fold-out section)

45x135	3 842 993 773 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (B,C,D,F,G,H)[1] / D17 (B,C,D,F,G,H)[1] / DB17 / F1 (A, E)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 534 / 768 mm

45x135L 5N

A = 17,3 cm²
I_x = 274,4 cm⁴
I_y = 38,6 cm⁴
W_x = 40,7 cm³
W_y = 17,6 cm³
m = 4,7 kg/m





39852

Cover cap: See 45x135L

45x135L 5N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 530 / L**
1 pc		6070	**3 842 564 125**
4 pcs		6070	**3 842 564 123**

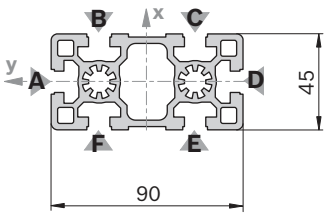
Quick & Easy (p. 2-8, see fold-out section)

45x135L 5N	3 842 993 774 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (B,C,D,F,G,H)[1] / D17 (B,C,D,F,G,H)[1] / DB17 / F1 (A,E)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 534 / 768 mm

45x90

A = 15,4 cm²
I_x = 124,6 cm⁴
I_y = 32,8 cm⁴
W_x = 27,7 cm³
W_y = 14,6 cm³
m = 4,2 kg/m





19438

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			

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	M12 M12	110 ... 6000	**3 842 990 302 / L**
1 pc	M12 D17	90 ... 6000	**3 842 990 323 / L**
1 pc	M12 D17V	90 ... 6000	**3 842 990 305 / L**
1 pc	M16	120 ... 6000	**3 842 990 303 / L**
1 pc	M16 M16	240 ... 6000	**3 842 990 304 / L**
1 pc	M16 D17	170 ... 6000	**3 842 990 325 / L**
1 pc	M16 D17V	170 ... 6000	**3 842 990 307 / L**
1 pc	D17	60 ... 6000	**3 842 990 329 / L**
1 pc	D17 D17	80 ... 6000	**3 842 990 313 / L**
1 pc	D17 D17V	80 ... 6000	**3 842 990 311 / L**
1 pc	D17V	60 ... 6000	**3 842 990 331 / L**
1 pc	D17V D17V	80 ... 6000	**3 842 990 309 / L**
1 pc		6070	**3 842 553 622**
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

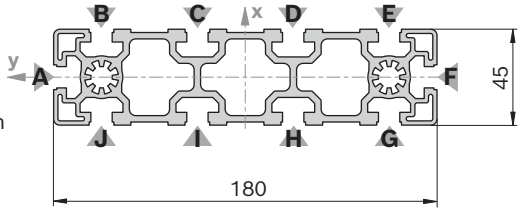
Quick & Easy (p. 2-8, see fold-out section)

45x90	3 842 993 661 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 / D17 / DB17 / F1 (A,D)[1]
Customized profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

45x180

A = 25,5 cm²
I_x = 766,7 cm⁴
I_y = 57,3 cm⁴
W_x = 85,2 cm³
W_y = 25,5 cm³
m = 6,9 kg/m





19439

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

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	M12 M12	110 ... 6000	**3 842 990 339 / L**
1 pc	D17 D17	80 ... 6000	**3 842 990 342 / L**
1 pc	D17V D17V	80 ... 6000	**3 842 990 344 / L**
1 pc		6070	**3 842 553 623**
6 pcs		6070	**3 842 553 616**

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

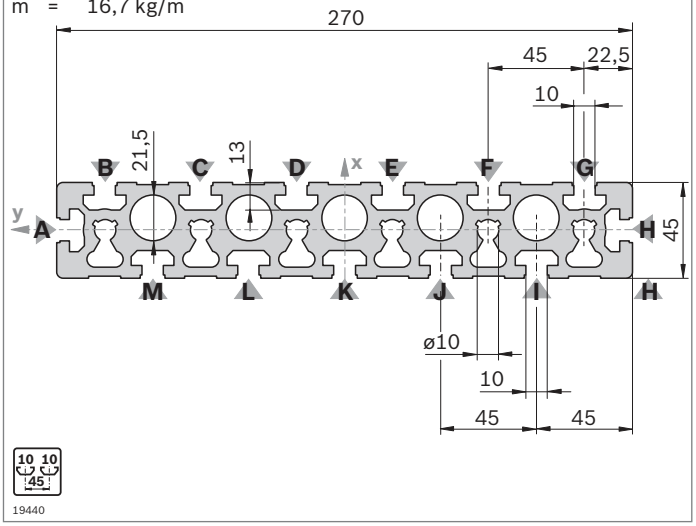
Quick & Easy (p. 2-8, see fold-out section)

45x180	3 842 993 731 / ...
Length L (mm)	80 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 (B,C,D,E,G,H,I,J)[1] / D17 (B,C,D,E,G,H,I,J)[1] / DB17 / F1 (A,F)[1]
Customized profile finishing ($L_{max\,i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 30°; L_{min1} / L_{min2} = 404 / 508 mm

45x270

A = 61,9 cm²
I_x = 3962,0 cm⁴
I_y = 118,0 cm⁴
W_x = 300,2 cm³
W_y = 61,6 cm³
m = 16,7 kg/m



19440

45x270		L (mm)	No.
1 pc		50 ... 6000	**3 842 992 927 / L**
1 pc	M12 M12	110 ... 6000	**3 842 992 928 / L**
2 pcs		6070	**3 842 557 949**

Profile finishing: M12: in core holes with C, F slots

Quick & Easy (p. 2-8, see fold-out section)

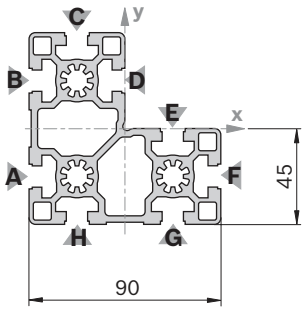
45x270	3 842 993 732 / ...
Length L (mm)	80 ... 6000
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (B,C,D,E,F,G, I,J,K,L,M)[1] / D17 (B,C,D,E,F,G,I,J,K,L,M)[1] / DB17 / F1 (A,H)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS

[1] For the specified slots

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

45x90x90L

A = 21,2 cm²
I_x = 152,1 cm⁴
I_y = 152,1 cm⁴
W_x = 19,1 cm³
W_y = 19,1 cm³
m = 5,7 kg/m





36805

45x90x90L		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 387 / L**
1 pc	M12	60 ... 6000	**3 842 992 388 / L**
1 pc		6070	**3 842 537 846**
8 pcs		6070	**3 842 537 823**

Profile finishing: M12: in central hole at intersection of slots A and H

Quick & Easy (p. 2-8, see fold-out section)

45x90x90L	3 842 993 682 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17 (A,B,C,F,G,H)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

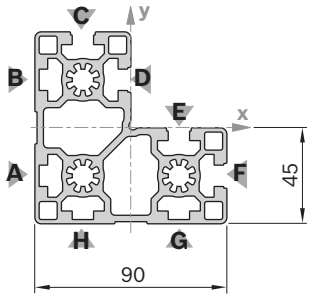
Cover cap	Color	ESD		No.
45x90x90 (1x)	Signal gray		20	**3 842 548 806**
45x90x90 (1x)	Black	⚠	20	**3 842 548 807**
Material:	PP			

Cover cap with hole[1]	Color	ESD		No.
45x90x90 (1x)	Signal gray		20	**3 842 548 806**
45x90x90 (1x)	Black	⚠	20	**3 842 548 807**
Material:	PP			

[1] The cover cap is also suitable for use with a hole; hole can be broken out

45x90x90L 4N

A = 22,1 cm²
I_x = 160,8 cm⁴
I_y = 160,8 cm⁴
W_x = 30,6 cm³
W_y = 30,6 cm³
m = 6,0 kg/m



29432

Cover cap: see 45x90x90L

45x90x90L 4N		L (mm)	No.
1 pc		50 ... 6070	**3 842 994 176 / L**
8 pcs		6070	**3 842 547 827**

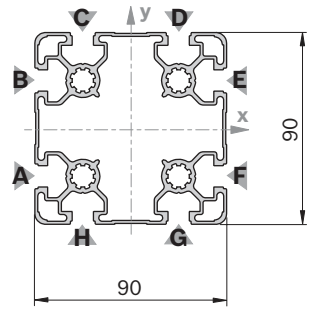
Quick & Easy (p. 2-8, see fold-out section)

45x90x90L 4N	3 842 993 764
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17 (A,B,C,F,G,H)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

90x90SL

A = 14,1 cm2
I_x = 130,2 cm4
I_y = 130,2 cm4
W_x = 28,9 cm3
W_y = 28,9 cm3
m = 3,8 kg/m



19442

Cover cap: see 90x90L

90x90SL		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 449 / L**
1 pc		6070	**3 842 537 101**
6 pcs		6070	**3 842 537 100**

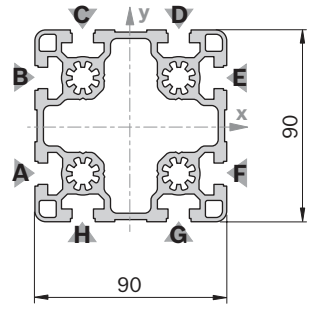
Quick & Easy (p. 2-8, see fold-out section)

90x90SL	3 842 993 681 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

90x90L

A = 24,1 cm2
I_x = 211,1 cm4
I_y = 211,1 cm4
W_x = 46,9 cm3
W_y = 46,9 cm3
m = 6,5 kg/m



19443

90x90L			L (mm)	No.
1 pc			50 ... 6070	**3 842 992 415 / L**
1 pc	M12		60 ... 6000	**3 842 992 416 / L**
1 pc	M12	M12	110 ... 6000	**3 842 992 422 / L**
1 pc	M12	D17	90 ... 6000	**3 842 992 423 / L**
1 pc	D17		60 ... 6000	**3 842 992 417 / L**
1 pc	D17	D17	80 ... 6000	**3 842 992 420 / L**
1 pc	D17	D17V	80 ... 6000	**3 842 992 421 / L**
1 pc	LF	LF	80 ... 6000	**3 842 992 418 / L**
1 pc	LF	M12	90 ... 6000	**3 842 992 419 / L**
1 pc			6070	**3 842 553 620**
6 pcs			6070	**3 842 553 613**

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 & Easy (p. 2-8, see fold-out section)

90x90L	3 842 993 680 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

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

90x90L 4N

A = 24,2 cm²
I_x = 227,4 cm⁴
I_y = 214,7 cm⁴
W_x = 50,5 cm³
W_y = 47,7 cm³
m = 6,5 kg/m



19444

Cover cap: see 90x90L

90x90L 4N		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 628 / L**
1 pc		6070	**3 842 538 301**
6 pcs		6070	**3 842 538 297**

Quick & Easy (p. 2-8, see fold-out section)

90x90L 4N	3 842 993 755 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

90x90L 4NVS

A = 24,2 cm²
I_x = 220,9 cm⁴
I_y = 220,9 cm⁴
W_x = 49,2 cm³
W_y = 49,2 cm³
m = 6,5 kg/m



19445

Cover cap: see 90x90L

90x90L 4NVS		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 621 / L**
1 pc		6070	**3 842 538 300**
6 pcs		6070	**3 842 538 296**

Quick & Easy (p. 2-8, see fold-out section)

90x90L 4NVS	3 842 993 756 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

90x90

A = 38,4 cm²
I_x = 299,8 cm⁴
I_y = 299,8 cm⁴
W_x = 66,7 cm³
W_y = 66,7 cm³
m = 10,4 kg/m



19446

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**
1 pc			6070	**3 842 557 211**
6 pcs			6070	**3 842 557 201**

Quick & Easy (p. 2-8, see fold-out section)

90x90	3 842 993 679 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M16 / D9.8 / D17 / DB17 / F1
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1)]

[1)] DG_{max} = 45°; L_{min1} / L_{min2} = 456 / 612 mm

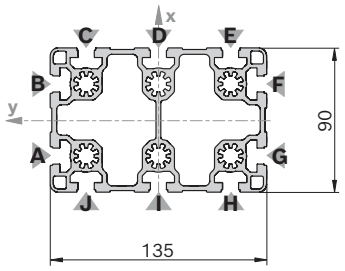
Cover cap	Color	ESD		No.
90x90 (1x)	Signal gray		20	**3 842 548 760**
90x90 (1x)	Black	⚠	20	**3 842 548 761**
Material:	PP			

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

90x135L

A = 32,94 cm²
I_x = 629,40 cm⁴
I_y = 305,23 cm⁴
W_x = 93,26 cm³
W_y = 67,84 cm³
m = 8,89 kg/m



40846

Cover cap	Color	ESD		No.
90x90L (1x)	Signal gray		20	**3 842 548 758**
45x90 (1x)	Signal gray		20	**3 842 548 756**
90x90L (1x)	Black		20	**3 842 548 759**
45x90 (1x)	Black		20	**3 842 548 757**
Material:	PP			

Notice:
For the 90x135L profile you require the following combination of cover caps: 1x 90x90 and 1x 45x90

90x135L		L (mm)	No.
1 pc		50 ... 6070	**3 842 996 242 / L**
1 pc		6070	**3 842 564 806**
4 pcs		6070	**3 842 564 805**

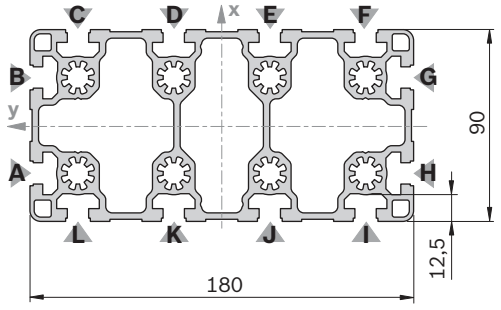
Quick & Easy (p. 2-8, see fold-out section)

90x135L	3 842 993 776 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (C,D,E, H,I,J)[1] / D17 (C,D,E,H, I,J)[1] / DB17 / F1 (A,F)
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 534 / 768 mm

90x180L

A = 42,8 cm²
I_x = 1380,0 cm⁴
I_y = 401,0 cm⁴
W_x = 153,3 cm³
W_y = 89,1 cm³
m = 11,6 kg/m



19447

90x180L		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 M12	110 ... 6000	**3 842 992 859 / L**
1 pc	M12 LF	90 ... 6000	**3 842 992 860 / L**
1 pc	D17V D17V	90 ... 6000	**3 842 992 864 / L**
1 pc	LF 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

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

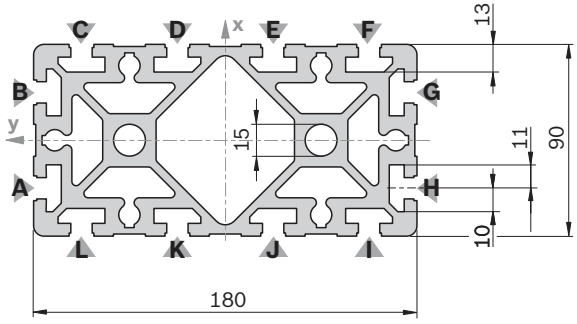
Quick & Easy (p. 2-8, see fold-out section)

90x180L	3 842 993 677 / ...
Length L (mm)	80 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (C,D,E,F,I,J,K,L)[1] / D17 (C,D,E,F,I,J,K,L)[1] / DB17 / F1 (A,G)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 30°; L_{min1} / L_{min2} = 404 / 508 mm

90x180

A = 63,6 cm²
I_x = 2138,3 cm⁴
I_y = 544,3 cm⁴
W_x = 237,6 cm³
W_y = 121,0 cm³
m = 17,2 kg/m



19448

90x180		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 M16	240 ... 6000	**3 842 990 418 / L**
1 pc	M16 F2	170 ... 6000	**3 842 990 419 / L**
1 pc	D17V D17V	80 ... 6000	**3 842 992 378 / L**
1 pc	LF LF	80 ... 6000	**3 842 992 898 / L**
1 pc	LF-S LF-S	80 ... 6000	**3 842 993 081 / L**
1 pc	F2 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. 2-8, see fold-out section)

90x180	3 842 993 676 / ...
Length L (mm)	80 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M16 / D9.8 (C,D,E,F,I,J,K,L)[1] / D17 (C,D,E,F,I,J,K,L)[1] / DB17 / F1 (A,G)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

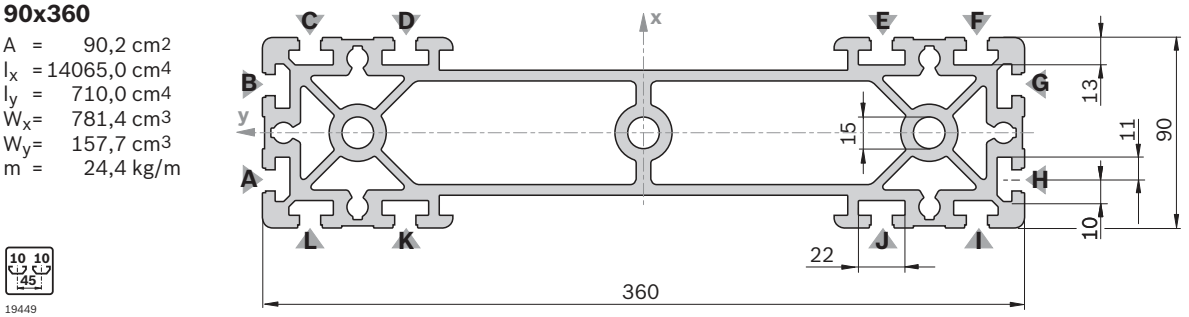
[1] For the specified slots
[2] DG_{max} = 30°; L_{min1} / L_{min2} = 404 / 508 mm

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			

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

90x360

A = 90,2 cm²
I_x = 14065,0 cm⁴
I_y = 710,0 cm⁴
W_x = 781,4 cm³
W_y = 157,7 cm³
m = 24,4 kg/m



19449

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			

Notice: A quick connector cannot be used

90x360		L (mm)	No.
		50 ... 6000	**3 842 993 434 / L**
	M16 M16	240 ... 6000	**3 842 993 435 / L**
	F2 F2	110 ... 6000	**3 842 993 436 / L**
Profile finishing:		M16: in all core holes	

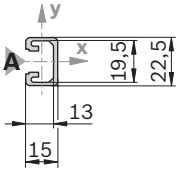
Quick & Easy (p. 2-8, see fold-out section)

90x360	3 842 993 678 / ...
Length L (mm)	80 ... 6000
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M16 / D9.8 (C,D,E,F,I,J, K,L)[1] / D17 (C,D,E,F,I,J, K,L)[1] / DB17 / F1 (A,G)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS

[1] For the specified slots

15x22,5

A = 1,3 cm²
I_x = 0,8 cm⁴
I_y = 0,3 cm⁴
W_x = 0,9 cm³
W_y = 0,6 cm³
m = 0,3 kg/m



19450

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			

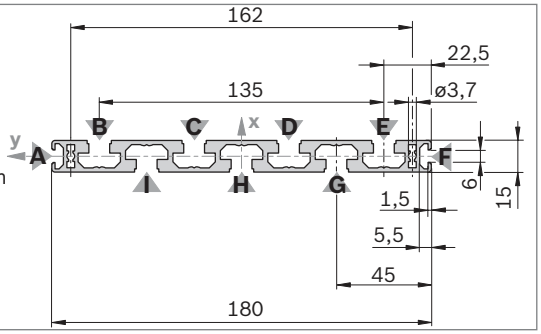
15x22.5		L (mm)	No.
1 pc		50 ... 3000	**3 842 992 473 / L**
1 pc	D17	60 ... 3000	**3 842 992 474 / L**
1 pc	D17 D17	80 ... 3000	**3 842 992 475 / L**
1 pc		3000	**3 842 563 232**
10 pcs		3000	**3 842 563 231**

Quick & Easy (p. 2-8, see fold-out section)

15x22.5	3 842 993 689 / ...
Length L (mm)	50 ... 2000
Standard profile finishing (note minimum length, p. 2-25)	D9.8 / D17
Customized profile finishing	–

15x180

A = 11,6 cm²
I_x = 321,7 cm⁴
I_y = 3,2 cm⁴
W_x = 35,7 cm³
W_y = 4,2 cm³
m = 3,1 kg/m



19451

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

15x180		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 079 / L**
1 pc		6070	**3 842 557 249**
6 pcs		6070	**3 842 557 242**

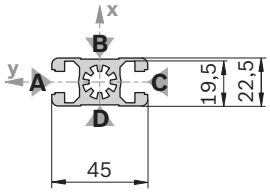
Quick & Easy (p. 2-8, see fold-out section)

15x180	3 842 993 686 / ...
Length L (mm)	80 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	D9.8 (B,C,D,E,G,H,I)[1] / D17 (B,C,D,E,G,H,I)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS

[1] For the specified slots

22,5x45

A = 4,7 cm²
I_x = 7,1 cm⁴
I_y = 2,9 cm⁴
W_x = 3,2 cm³
W_y = 2,6 cm³
m = 1,3 kg/m



19452

Cover cap	Color	ESD		No.
22.5x45 (1x)	Signal gray		20	**3 842 548 830**
22.5x45 (1x)	Black	⚠	20	**3 842 548 831**
Material:	PP			

22.5x45		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**

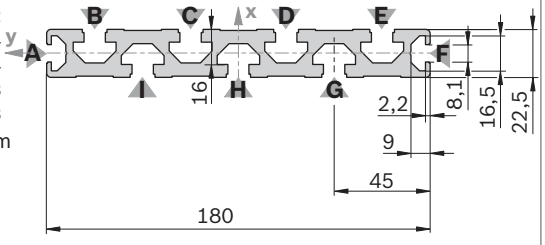
Quick & Easy (p. 2-8, see fold-out section)

22.5x45	3 842 993 700 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 (A,C)[1] / D17 / DB17 (A,C)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 378 / 456 mm

22,5x180

A = 21,6 cm²
I_x = 581,0 cm⁴
I_y = 11,8 cm⁴
W_x = 66,8 cm³
W_y = 14,7 cm³
m = 5,8 kg/m



19453

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			

22.5x180		L (mm)	No.
1 pc		50 ... 6070	**3 842 990 345 / L**
1 pc		6070	**3 842 558 306**
6 pcs		6070	**3 842 557 944**
Profile finishing:	D28: in slots G, I		

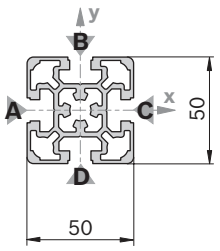
Quick & Easy (p. 2-8, see fold-out section)

22.5x180	3 842 993 699 / ...
Length L (mm)	80 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	D9.8 (B,C,D,E,G,H,I)[1] / D17 (B,C,D,E,G,H,I)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS

[1] For the specified slots

50x50L

A = 9,3 cm²
I_x = 21,2 cm⁴
I_y = 21,2 cm⁴
W_x = 8,5 cm³
W_y = 8,5 cm³
m = 2,5 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			

50x50L		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 156 / L**
1 pc	M12	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**
1 pc		6070	**3 842 529 352**
20 pcs		6070	**3 842 529 351**

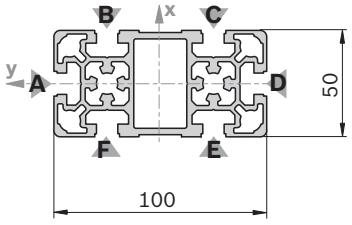
Quick & Easy (p. 2-8, see fold-out section)

50x50L	3 842 993 665 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 387 / 474 mm

50x100L

A = 17,2 cm²
I_x = 162,8 cm⁴
I_y = 42,6 cm⁴
W_x = 32,6 cm³
W_y = 17,0 cm³
m = 4,6 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			

50x100L		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 163 / L**
1 pc	M12	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**
1 pc		6070	**3 842 529 354**
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. 2-8, see fold-out section)

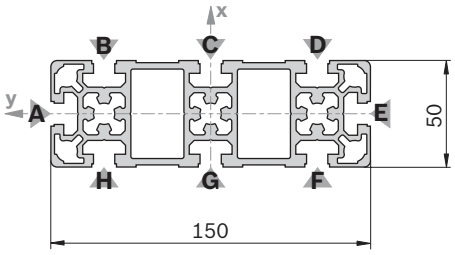
50x100L	3 842 993 663 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 / D17 / DB17 / F1 (A, D)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots

[2] DG_{max} = 45°; L_{min1} / L_{min2} = 474 / 648 mm

50x150L

A = 25,8 cm²
I_x = 540,0 cm⁴
I_y = 64,2 cm⁴
W_x = 72,0 cm³
W_y = 25,7 cm³
m = 6,9 kg/m





19456

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 M12	110 ... 6000	**3 842 993 199 / L**
	1 pc	D17 D17	80 ... 6000	**3 842 993 200 / L**
	1 pc		6070	**3 842 529 378**
	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

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

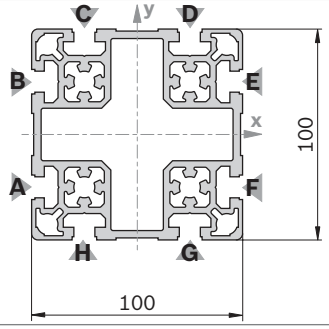
Quick & Easy (p. 2-8, see fold-out section)

50x150L	3 842 993 664 / ...
Length L (mm)	80 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 (B,C,D,F,G,H)[1] / D17 (B,C,D,F,G,H)[1] / DB17 / F1 (A,E)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 45°; L_{min1} / L_{min2} = 450 / 600 mm

100x100L

A = 29,9 cm²
I_x = 318,3 cm⁴
I_y = 318,3 cm⁴
W_x = 63,7 cm³
W_y = 63,7 cm³
m = 8,1 kg/m





19457

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 M12	110 ... 6000	**3 842 993 173 / L**
	1 pc	M12 D17	90 ... 6000	**3 842 993 174 / L**
	1 pc	D17	60 ... 6000	**3 842 993 175 / L**
	1 pc	D17 D17	80 ... 6000	**3 842 993 176 / L**
	1 pc	D17 D17V	80 ... 6000	**3 842 993 177 / L**
	1 pc		6070	**3 842 529 356**
	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

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

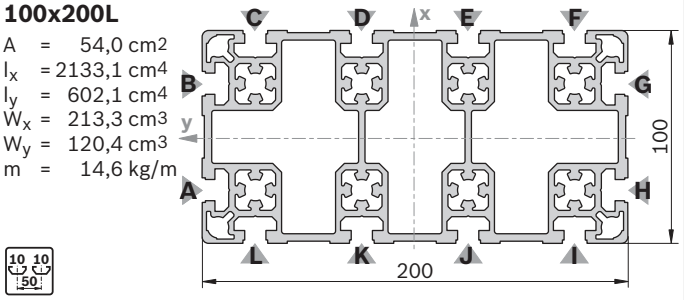
Quick & Easy (p. 2-8, see fold-out section)

100x100L	3 842 993 685 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 / D17 / DB17 / F1
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min1} / L_{min2} = 474 / 648 mm

100x200L

A = 54,0 cm²
I_x = 2133,1 cm⁴
I_y = 602,1 cm⁴
W_x = 213,3 cm³
W_y = 120,4 cm³
m = 14,6 kg/m



19458

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 M12	110 ... 6000	**3 842 993 180 / L**
1 pc	M12 D17	90 ... 6000	**3 842 993 181 / L**
1 pc	D17	60 ... 6000	**3 842 993 182 / L**
1 pc	D17 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.
100x100 (2x)	Signal gray		20	**3 842 548 824**
100x100 (2x)	Black	⚠	20	**3 842 548 825**
Material:	PP			

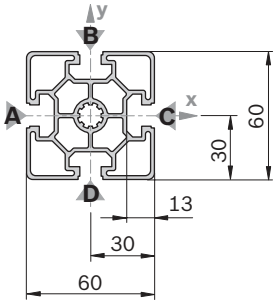
Quick & Easy (p. 2-8, see fold-out section)

100x200L	3 842 993 687 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 (C,D,E,F,I,J,K,L)[1] / D17 (C,D,E,F,I,J,K,L)[1] / DB17 / F1 (A,G)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[2]

[1] For the specified slots
[2] DG_{max} = 30°; L_{min} = 416 / 532 mm

60x60L

A = 9,6 cm²
I_x = 32,4 cm⁴
I_y = 32,4 cm⁴
W_x = 10,8 cm³
W_y = 10,8 cm³
m = 2,6 kg/m



19459

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 M12	110 ... 6000	**3 842 992 445 / L**
1 pc	M12 D17	90 ... 6000	**3 842 992 446 / L**
1 pc	D17	60 ... 6000	**3 842 992 449 / L**
1 pc	D17 D17	80 ... 6000	**3 842 992 447 / L**
1 pc	D17 D17V	80 ... 6000	**3 842 992 448 / L**
1 pc		6070	**3 842 557 214**
20 pcs		6070	**3 842 557 204**

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			

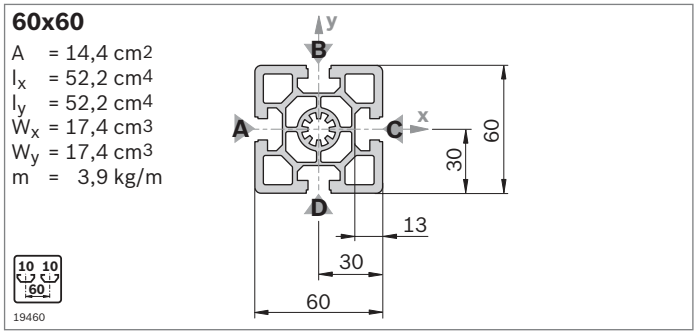
Quick & Easy (p. 2-8, see fold-out section)

60x60L	3 842 993 670 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min} = 404 / 508 mm

60x60

A = 14,4 cm²
I_x = 52,2 cm⁴
I_y = 52,2 cm⁴
W_x = 17,4 cm³
W_y = 17,4 cm³
m = 3,9 kg/m



19460

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			

60x60			L (mm)	No.
1 pc			50 ... 6070	**3 842 990 350 / L**
1 pc	M12		60 ... 6000	**3 842 990 351 / L**
1 pc	M12	M12	110 ... 6000	**3 842 990 353 / L**
1 pc	M12	M16	180 ... 6000	**3 842 990 354 / L**
1 pc	M12	D17	90 ... 6000	**3 842 990 355 / L**
1 pc	M16		120 ... 6000	**3 842 990 352 / L**
1 pc	M16	D17	170 ... 6000	**3 842 990 373 / L**
1 pc	D17		50 ... 6000	**3 842 990 370 / L**
1 pc	D17	D17	80 ... 6000	**3 842 990 357 / L**
1 pc	D17	D17V	80 ... 6000	**3 842 990 359 / L**
1 pc			6070	**3 842 557 212**
20 pcs			6070	**3 842 557 202**

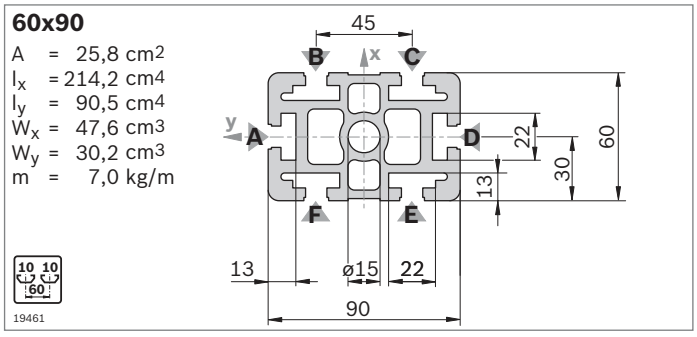
Quick & Easy (p. 2-8, see fold-out section)

60x60	3 842 993 668 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M12 / M16 / D9.8 / D17 / DB17
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] DG_{max} = 45°; L_{min} = 404 / 508 mm

60x90

A = 25,8 cm²
I_x = 214,2 cm⁴
I_y = 90,5 cm⁴
W_x = 47,6 cm³
W_y = 30,2 cm³
m = 7,0 kg/m



19461

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

60x90			L (mm)	No.
1 pc			50 ... 6070	**3 842 990 450 / ...**
1 pc	M16		120 ... 6000	**3 842 990 453 / ...**
1 pc	M16	M16	240 ... 6000	**3 842 990 454 / ...**
1 pc	M16	D17	170 ... 6000	**3 842 992 962 / ...**
1 pc	M16	D17V	170 ... 6000	**3 842 992 963 / ...**
1 pc	M16	F2	170 ... 6000	**3 842 990 472 / ...**
1 pc	D17	D17	80 ... 6000	**3 842 990 097 / ...**
1 pc	D17	D17V	80 ... 6000	**3 842 990 099 / ...**
1 pc	D17V	D17V	90 ... 6000	**3 842 990 098 / ...**
1 pc	F1	F1	110 ... 6000	**3 842 990 464 / ...**
1 pc	F1	F1V	110 ... 6000	**3 842 990 481 / ...**
1 pc	F2	F2	110 ... 6000	**3 842 990 478 / ...**
1 pc			6070	**3 842 557 217**
10 pcs			6070	**3 842 557 207**

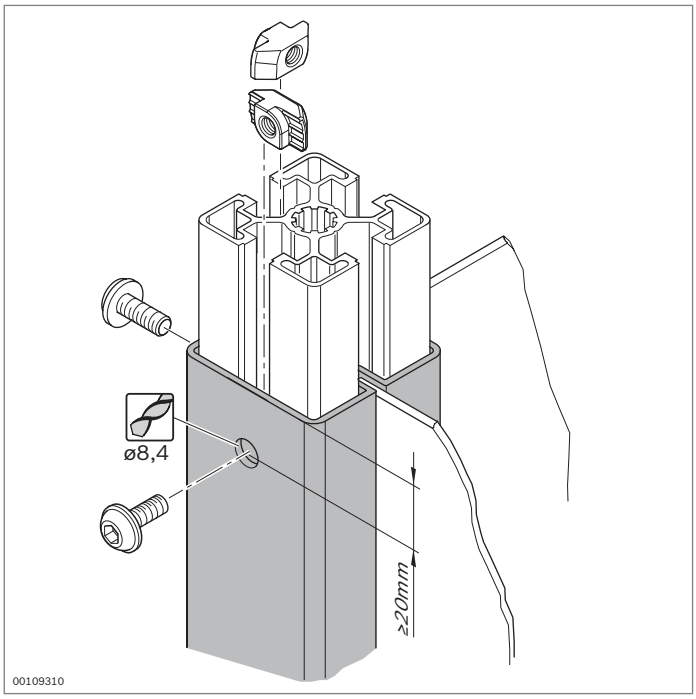
Profile finishing: D17: in slots B/F, C/E
D17V: in slots A/D

Quick & Easy (p. 2-8, see fold-out section)

60x90	3 842 993 671 / ...
Length L (mm)	50 ... 6070
Standard profile finishing L_{max} = 6000 mm (note minimum length, p. 2-25)	M16 / D9.8 / D17 / DB17 / F1 (A, D)[1]
Customized profile finishing ($L_{max\ i}$ = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

[1] For the specified slots

[1] DG_{max} = 45°; L_{min} = 456 / 612 mm

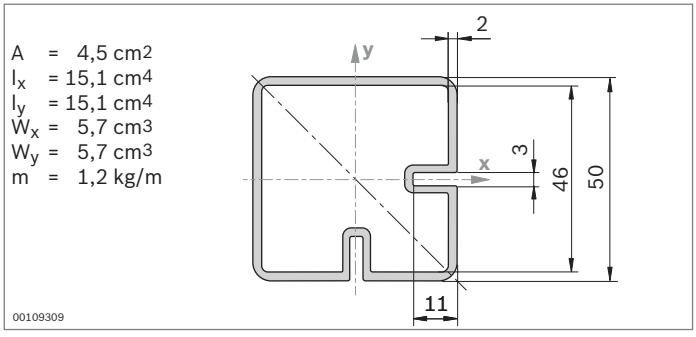


Rectangular tube



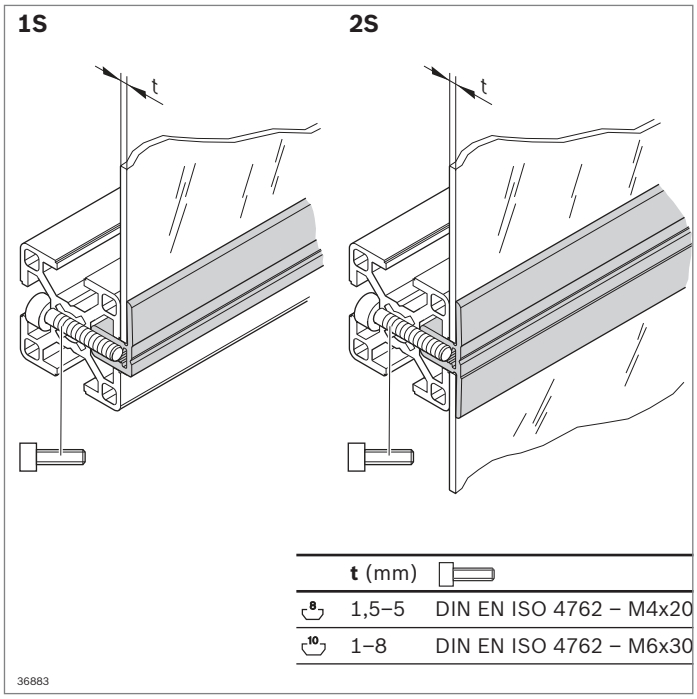
- For constructing manually height-adjustable frames
- Cut-outs for mounting of panel elements
- Profile finishing: Hole for screw

Required accessories:
Fastening material



Rectangular tube		L (mm) No.
1 pc		50 ... 6070 **3 842 992 913 / L**
1 pc		6070 **3 842 558 321**
6 pcs		6070 **3 842 557 960**

Material: Aluminum; anodized



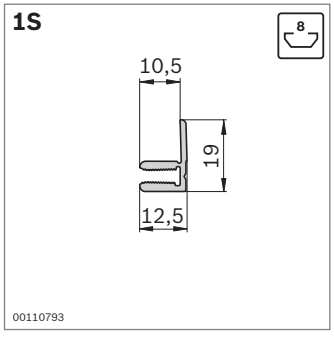
	t (mm)	
8	1,5–5	DIN EN ISO 4762 – M4x20
10	1–8	DIN EN ISO 4762 – M6x30

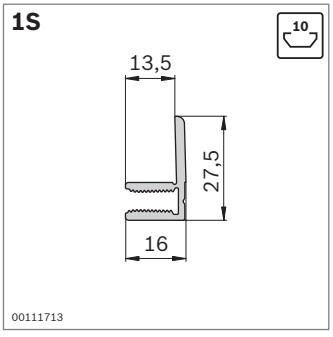
Clamping profile

- 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 fastening screw

Required accessories:

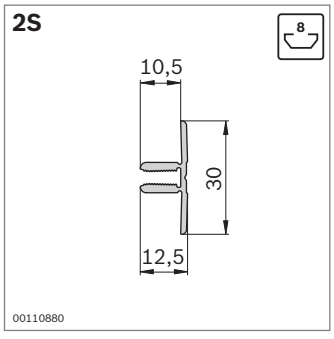
- Cylinder head bolt DIN EN ISO 4762 – M4x20 (8 mm slot)
- Cylinder head bolt DIN EN ISO 4762 – M6x30 (10 mm slot)

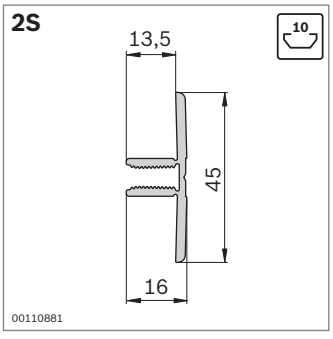




Clamping profile 1S		Slot	L (mm)	No.
1 pc		8	50 ... 3000	**3 842 993 017 / L**
10 pcs		8	3000	**3 842 524 058**
1 pc		10	50 ... 3000	**3 842 993 019 / L**
10 pcs		10	3000	**3 842 524 064**

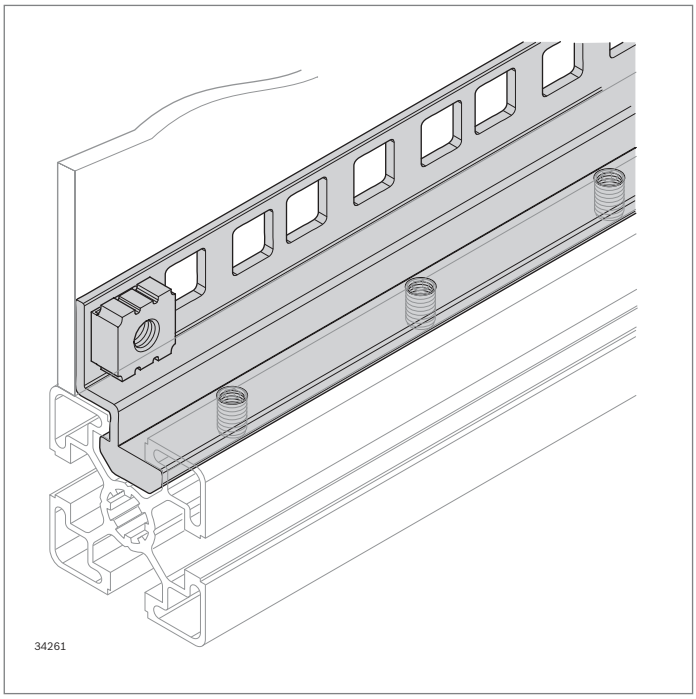
Material: Aluminum; anodized





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

Material: Aluminum; anodized

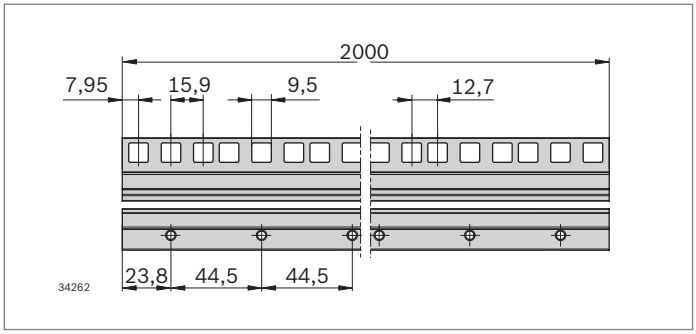


Al angle profile 19″

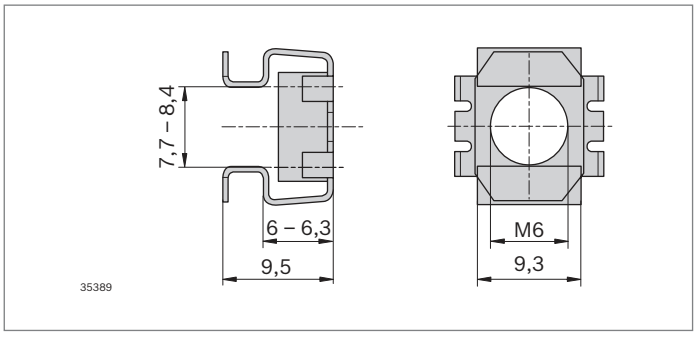
10

- 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 setscrews M6x12



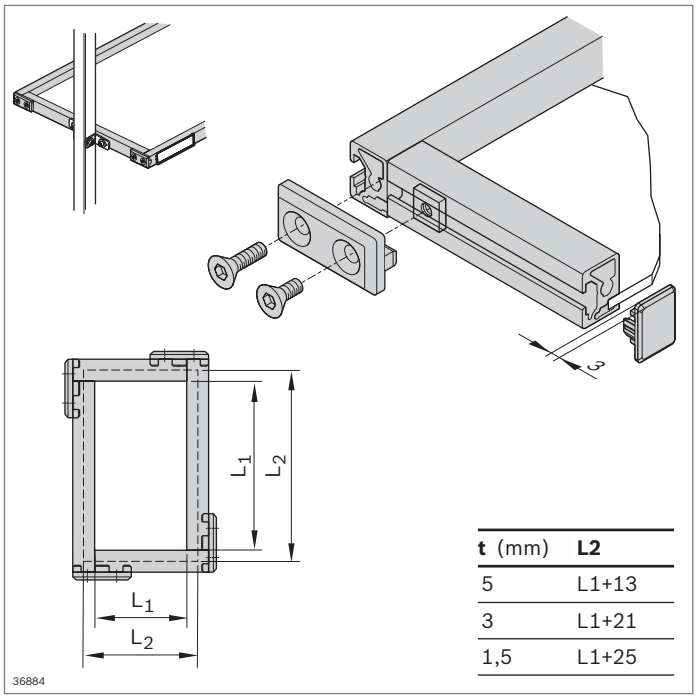
Al angle profile 19″		L (mm)	No.
	10 pcs	2000	**3 842 557 254**
Material:	Aluminum; anodized		



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	**3 842 557 255**
Material:	Steel; zinc-plated	



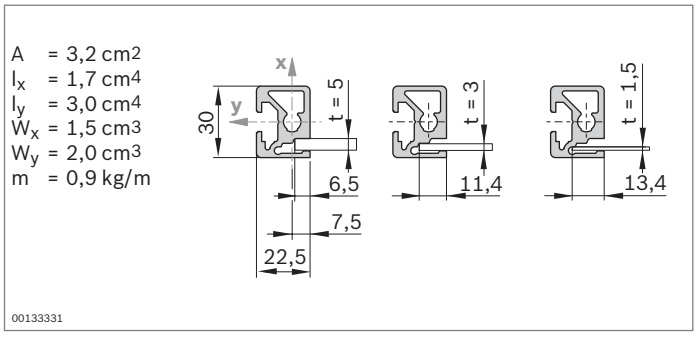
t (mm)	L2
5	L1+13
3	L1+21
1,5	L1+25

Frame profile 22.5x30



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

Accessories, optional:
- Bracket set M6 (p. 2-117)
- Swivel mounting (p. 4-14)
- Labeling clip for 8 mm slot (p. 2-95)
- Plate (p. 2-66)

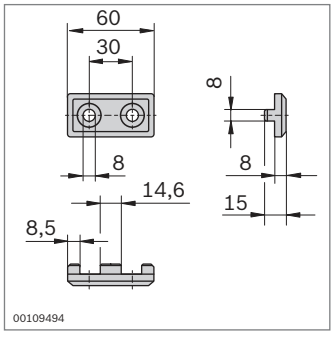


Frame profile 22.5x30		Slot	L (mm)	No.
1 pc		8	50 ... 6070	**3 842 992 493 / L**
1 pc		8	6070	**3 842 558 308**
20 pcs		8	6070	**3 842 557 946**

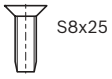
Material: Aluminum; anodized

Cover cap	Color	ESD		No.
22.5x30	Signal gray		20	**3 842 551 564**
22.5x30	Black		20	**3 842 551 565**

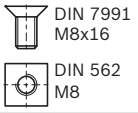
Material: PP



FS1



FS2

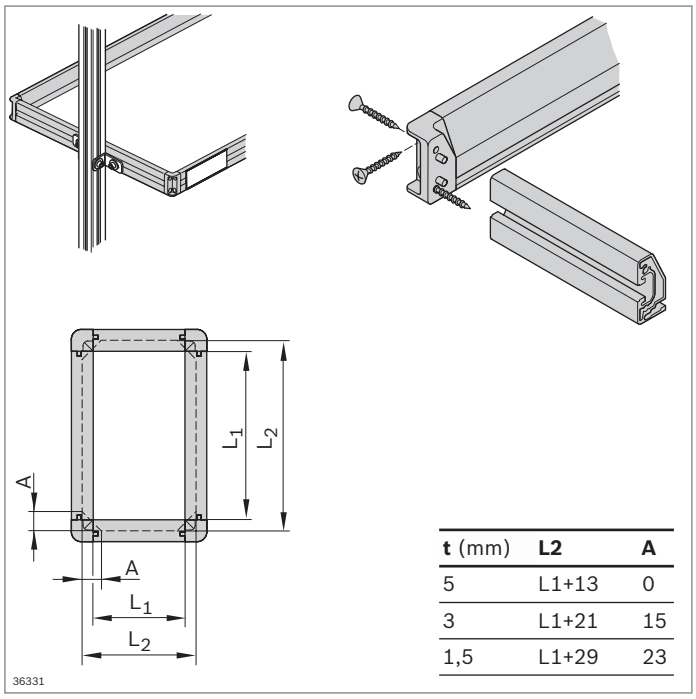


Corner piece for frame profile 22.5x30

- 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	**3 842 554 708**	FS1, FS2
22.5x30	Black		20	**3 842 554 709**	FS1, FS2

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

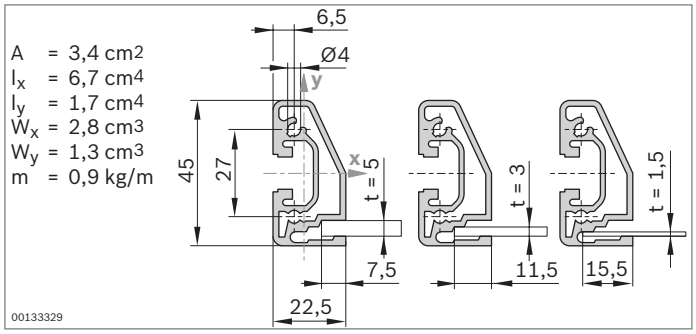


t (mm)	L2	A
5	L1+13	0
3	L1+21	15
1,5	L1+29	23

Frame profile 22.5x45

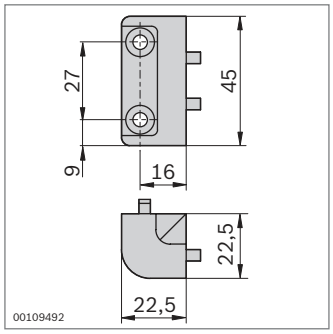
- For inexpensive construction of trays and material shelves
- Panel elements are mounted under tension so that they do not rattle

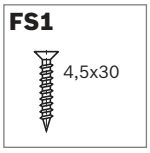
Accessories, optional:
- Bracket set (p. 3-33)
- Swivel mounting (p. 4-14)
- Labeling clip for 10 mm slot (p. 2-95)
- Plate (p. 2-66)



Frame profile 22.5x45	Slot	L (mm)	No.
1 pc	10	50 ... 6070	**3 842 992 411 / L**
1 pc	10	6070	**3 842 558 303**
20 pcs	10	6070	**3 842 557 941**

Material: Aluminum; anodized



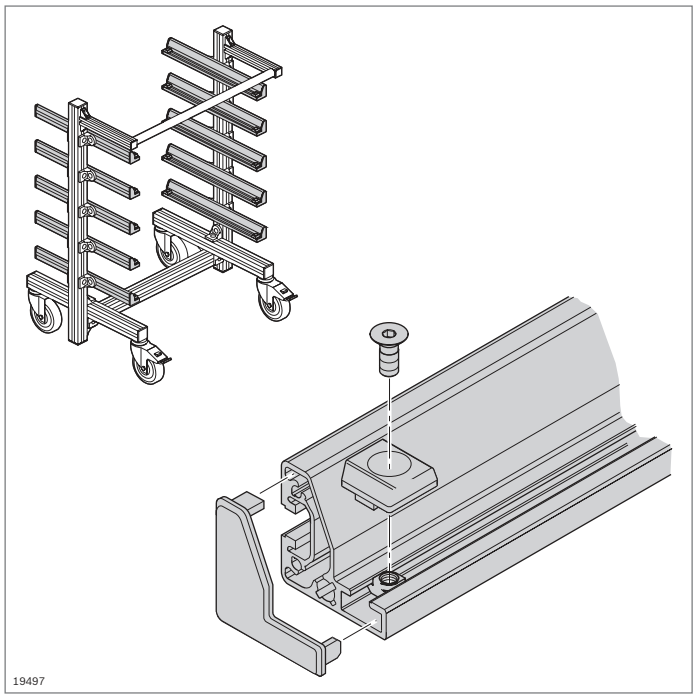


Corner bracket for frame profile 22.5x45

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

Corner bracket	ESD		No.	FS
22.5x45		20	**3 842 535 637**	4xFS1

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

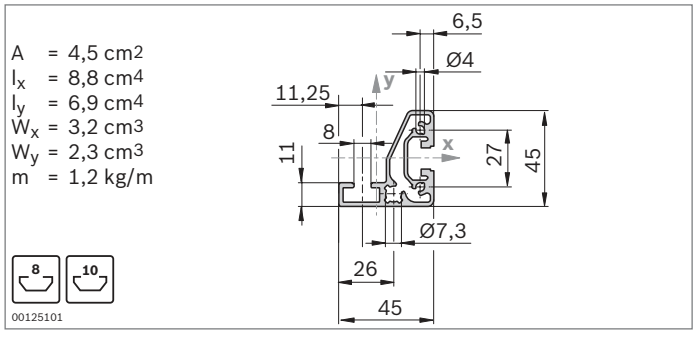


Angle profile



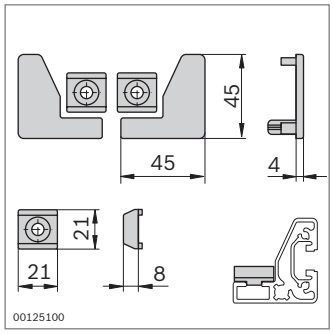
- For supporting containers, plates, or workpiece pallets in flow racks, material shuttles, or hopper stackers

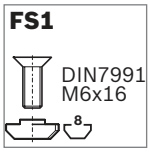
Accessories:
Bracket R40x43 (p. 2-114)



Angle profile		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 412 / L**
1 pc		6070	**3 842 558 304**
20 pcs		6070	**3 842 557 942**

Material: Aluminum; anodized



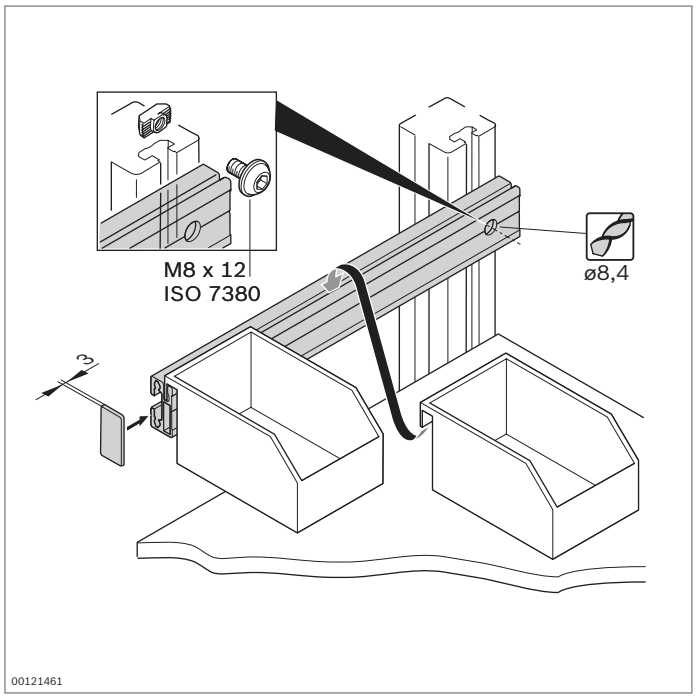


Stopper and cover cap

- 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	**3 842 554 490**	2xFS1
Set	Black		20	**3 842 554 491**	2xFS1

Material: PA
Fastening material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)

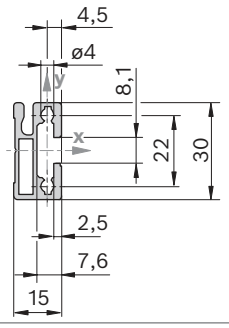


Suspension profile

- 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)

A = 2,0 cm²
I_x = 2,0 cm⁴
I_y = 0,5 cm⁴
W_x = 2,7 cm³
W_y = 0,3 cm³
m = 0,6 kg/m

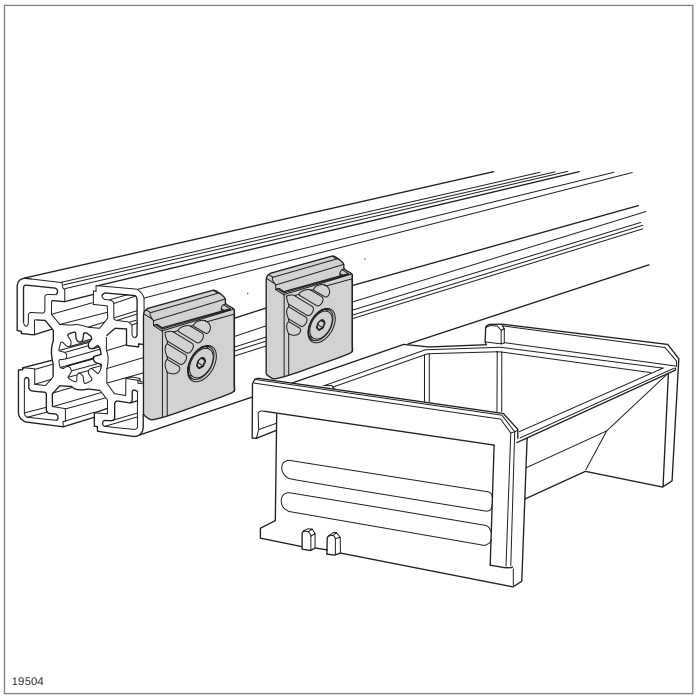


Suspension profile		L (mm)	ESD	No.
1 pc		50 ... 3000		**3 842 993 411 / L**
1 pc		3000		**3 842 537 680**
10 pcs		3000		**3 842 537 679**
1 pc		50 ... 3000	ESD	**3 842 993 063 / L**
1 pc		3000	ESD	**3 842 554 156**
10 pcs		3000	ESD	**3 842 554 157**

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

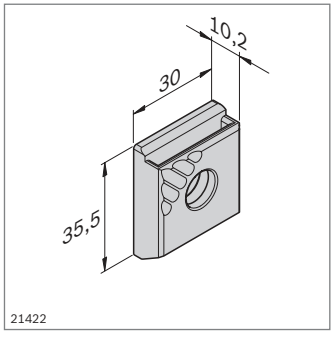
Cover cap	Color	ESD		No.
15x30	Signal gray		20	**3 842 551 582**
15x30	Black	ESD	20	**3 842 551 583**

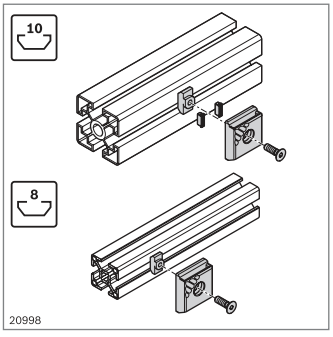
Material: PP

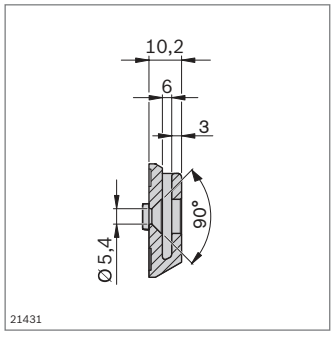


Container mount

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

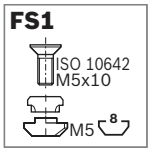


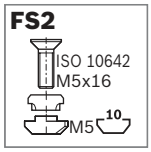


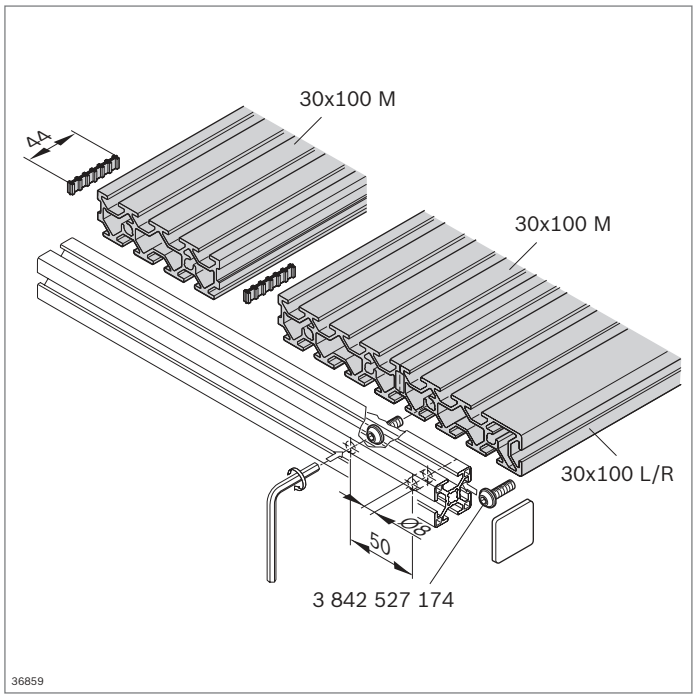


Container mount	ESD		No.	FS
	ESD	10	**3 842 544 797**	FS1, FS2

Material: PA 66; black
Fastening material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)





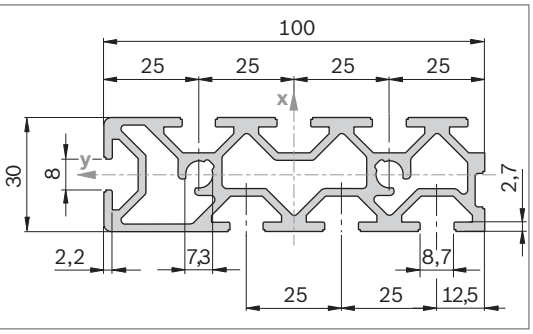


Slotted plate 30x100

- 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

Accessories, optional:
- Profile 30x30 (p. 2-17)
- Sliding block

30x100 L/R
A = 9,7 cm²
I_x = 88,8 cm⁴
I_y = 9,2 cm⁴
W_x = 17,8 cm³
W_y = 6,0 cm³
m = 2,6 kg/m

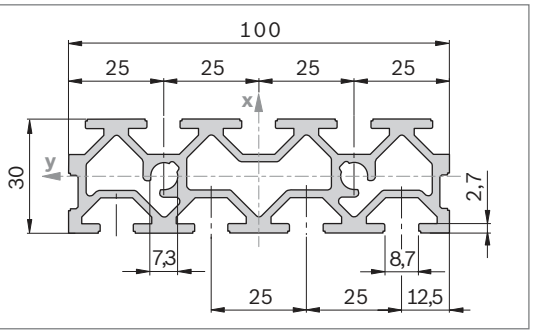


- Slotted plate **30x100 L/R** with lateral 8 mm slot as outer stop

Slotted plate 30x100 L/R		Slot	L (mm)	No.
1 pc		8	100 ... 5600	**3 842 993 337 / L**
1 pc		8	5600	**3 842 542 695**
18 pcs		8	5600	**3 842 542 696**

Material: Aluminum; anodized

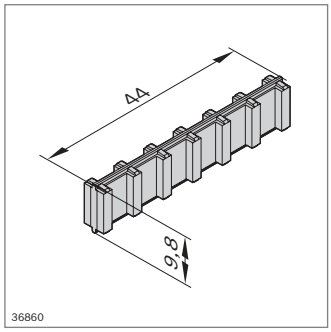
30x100 M
A = 9,7 cm²
I_x = 88,8 cm⁴
I_y = 9,2 cm⁴
W_x = 17,8 cm³
W_y = 6,0 cm³
m = 2,6 kg/m



- Slotted plate **30x100 M** for constructing slotted plates of any width

Slotted plate 30x100 M		Slot	L (mm)	No.
1 pc		8	100 ... 5600	**3 842 993 336 / L**
1 pc		8	5600	**3 842 542 697**
18 pcs		8	5600	**3 842 542 698**

Material: Aluminum; anodized

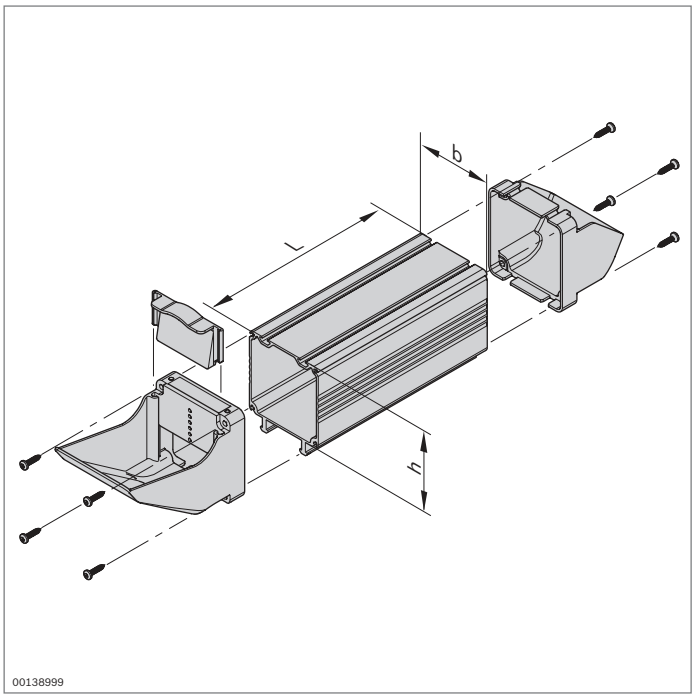


Sliding block

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

Sliding block		No.
	100	**3 842 520 922**

Material: PA



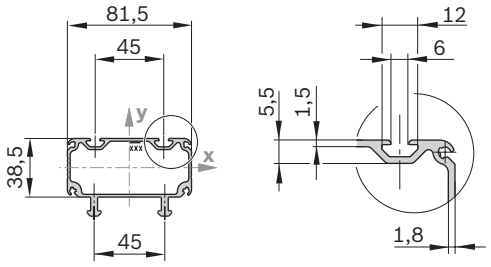
00138999

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

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

90x45

A = 7,0 cm²
I_x = 20,7 cm⁴
I_y = 54,3 cm⁴
m = 1,8 kg/m



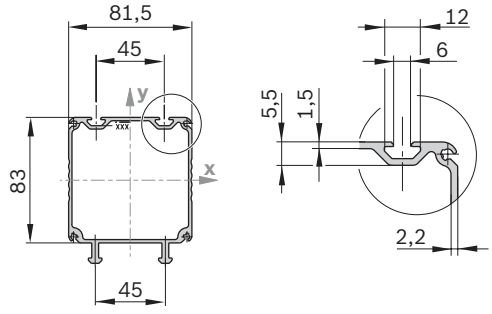
19908

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

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

90x90

A = 9,6 cm²
I_x = 118,8 cm⁴
I_y = 88,1 cm⁴
m = 2,5 kg/m



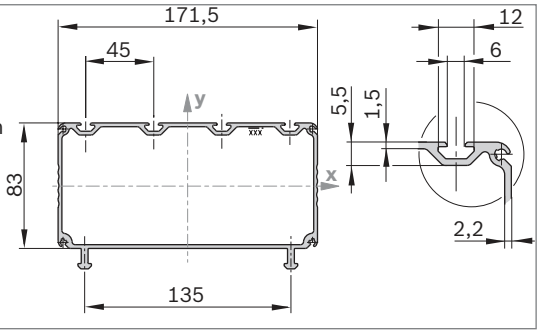
19599

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

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

180x90

A = 15,5 cm²
I_x = 208,2 cm⁴
I_y = 597,5 cm⁴
m = 4,2 kg/m

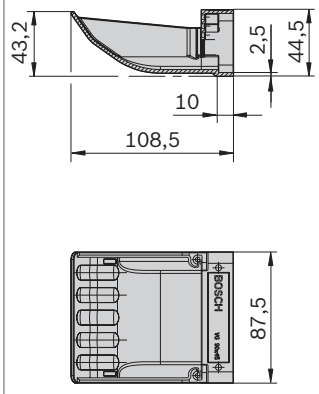


19909

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

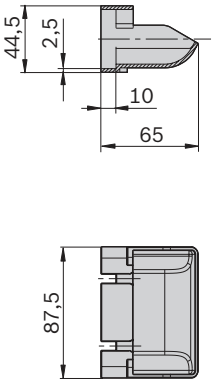
Material: Material chute: Aluminum; anodized
Material chute ESD: Aluminum; coated with Alutin

90x45



19925

90x45



19926

- 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; zinc-plated

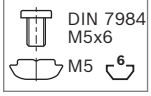
Scope of delivery: Incl. fastening material (FS)

FS1



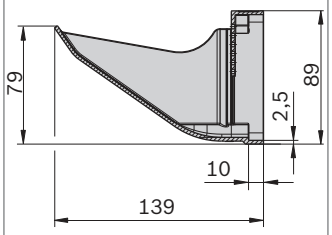
DIN 7981
ST4,2x19

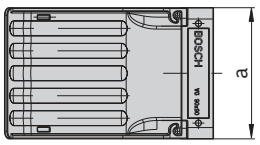
FS2



DIN 7984
M5x6
M5

90x90
180x90

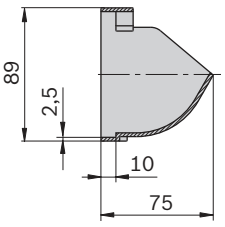


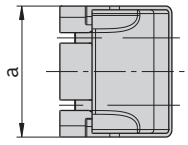


	90x90	180x90
a	87,5	172,5

36885

90x90
180x90





	90x90	180x90
a	87,5	172,5

36886

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; zinc-plated

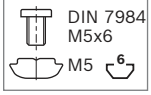
Scope of delivery: Incl. fastening material (FS)

FS1

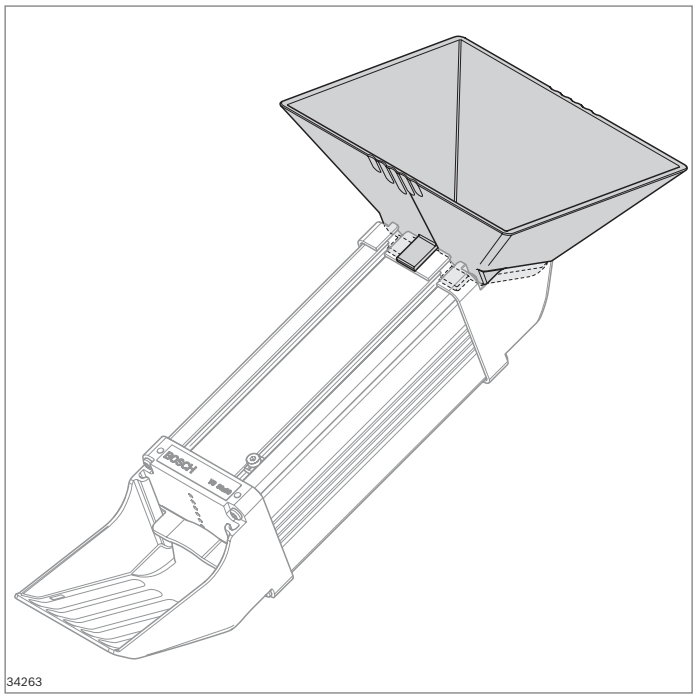


DIN 7981
ST4,2x19

FS2



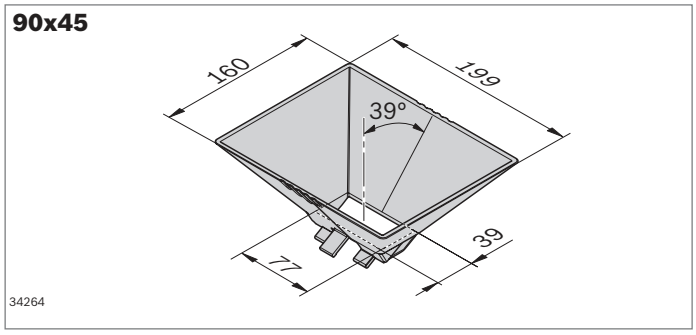
DIN 7984
M5x6
M5



- Hopper for installing on Vario grab container
- Docking aids on the hopper facilitate ergonomic filling
- Easy assembly and dismantling

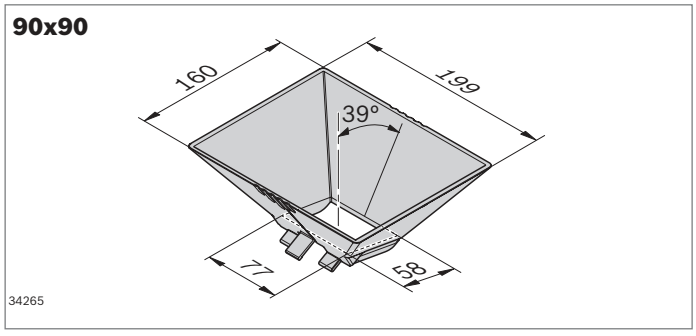
Material:
ABS plastic; light gray (similar to RAL 7035)

90x45



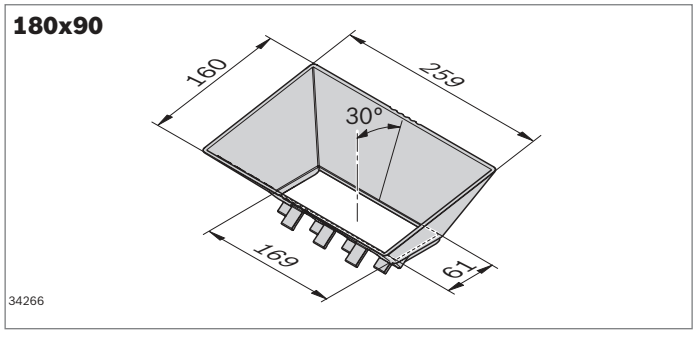
	Color	ESD	No.
Hopper 90x45	Gray (RAL 7035)		**3 842 557 433**
	Black	⚠	**3 842 564 686**

90x90

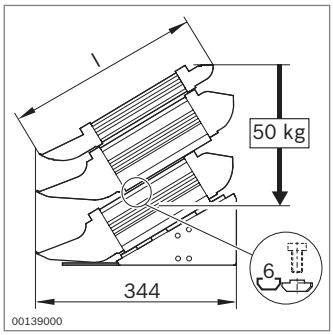


	Color	ESD	No.
Hopper 90x90	Gray (RAL 7035)		**3 842 557 434**
	Black	⚠	**3 842 564 687**

180x90



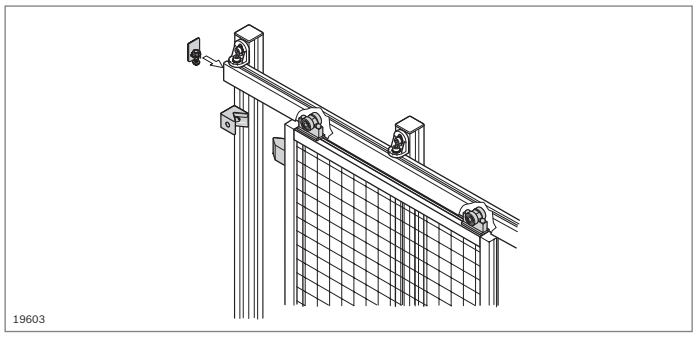
	Color	ESD	No.
Hopper 180x90	Gray (RAL 7035)		**3 842 557 435**
	Black	⚠	**3 842 564 688**



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

Grab container base	b 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)

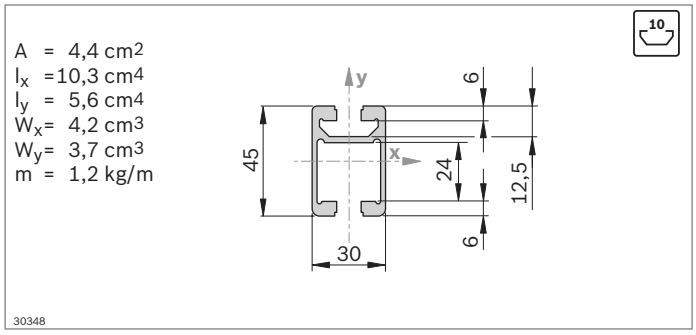


Profile rail, trolley

- 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. 10-34)

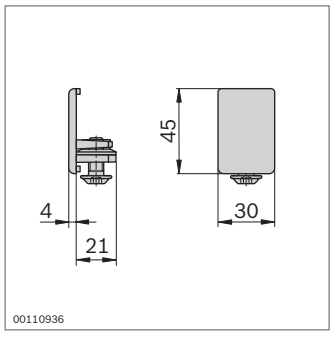
Accessories:

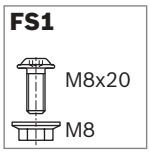
See page 12-4



Profile rail 30x45C		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 946 / L**
1 pc		6070	**3 842 558 312**
20 pcs		6070	**3 842 557 950**

Material: Aluminum; anodized



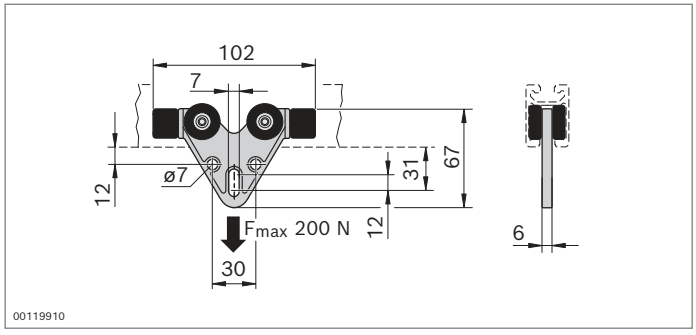


- Profile rail end piece for use for trolley as a cover cap with stop
- With screw protection

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; zinc-plated

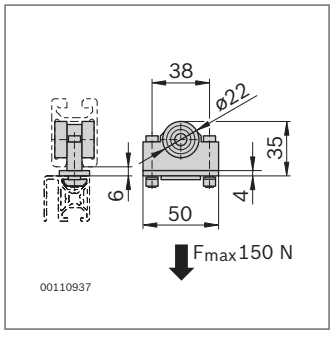
Scope of delivery: Incl. fastening material (FS)

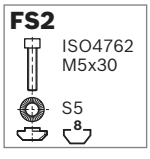


- Trolley with eye, e.g. for suspending a snap hook

Trolley for profile rail 30x45C		No.
	1	**3 842 521 510**

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



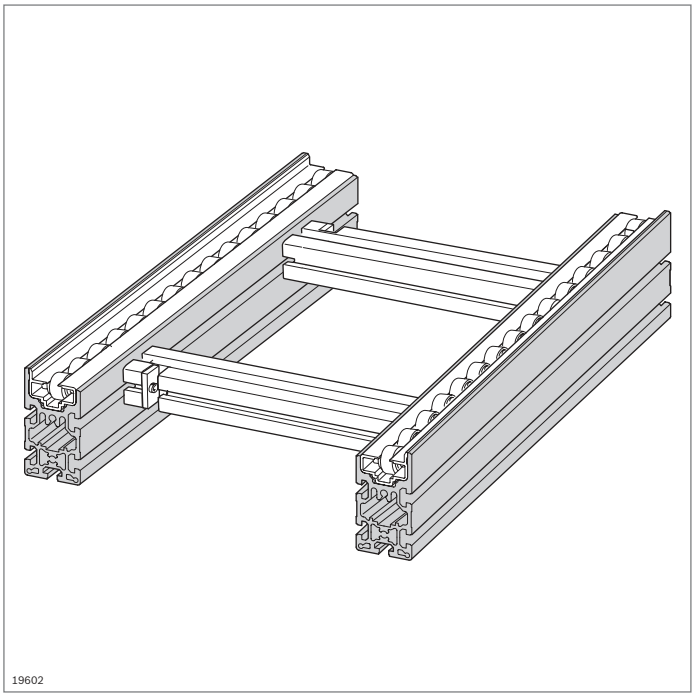


- Trolley with dust-proof ball bearings for smooth sliding motion
- For fastening profiles with a 8 mm slot

Trolley		No.	FS
	1	**3 842 524 153**	2xFS2

Material: PA; black / steel, zinc-plated
Fastening material: Steel; zinc-plated

Scope of delivery: Incl. fastening material (FS)



Profiles for installing conveyor media

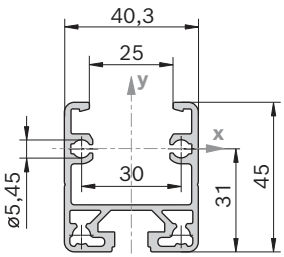


- Profiles that are normally used to construct the transfer systems TS 2*plus* and TS 4, as well as Lean conveyor sections, are also suitable for the construction of manual conveyor sections. Detailed information is available in chapter 12 “Elements for manual movement” and in the respective special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

U-profile

A = 4,4 cm²
I_x = 10,4 cm⁴
I_y = 8,3 cm⁴
W_x = 4,6 cm³
W_y = 4,1 cm³
m = 1,2 kg/m





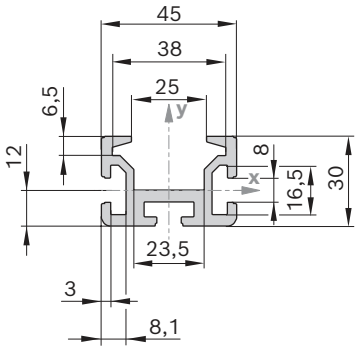
U-profile		Slot	L (mm)	ESD	No.
1 pc		10	50 ... 6070		**3 842 993 316 / L**
1 pc		10	6070		**3 842 564 223**
20 pcs		10	6070		**3 842 535 115**
1 pc		10	50 ... 6070	ESD	**3 842 995 027 / L**
20 pcs		10	6070	ESD	**3 842 541 814**

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

SP 2/R

A = 5,2 cm²
I_x = 4,3 cm⁴
I_y = 11,7 cm⁴
W_x = 2,4 cm³
W_y = 5,2 cm³
m = 1,4 kg/m



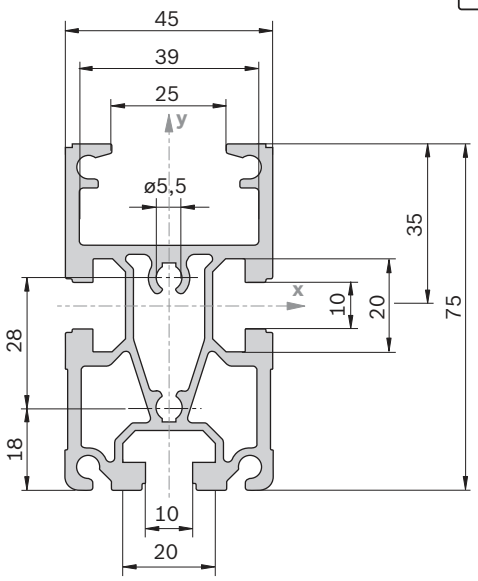


Section profile SP 2/R		L (mm)	No.
1 pc		50 ... 6070	**3 842 992 676**
1 pc		6070	**3 842 508 553**

Material: Aluminum; anodized

SP 2/B

A = 10,4 cm²
I_x = 49,6 cm⁴
I_y = 25,8 cm⁴
W_x = 12,1 cm³
W_y = 11,5 cm³
m = 2,8 kg/m



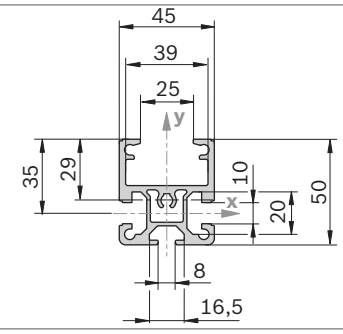
19903

Section profile SP 2/B		Slot	L (mm)	No.
1 pc		10	200 ... 6070	**3 842 992 884 / L**
1 pc		10	6070	**3 842 532 698**
16 pcs		10	6070	**3 842 532 695**

Material: Aluminum; anodized

SP 2/B-50

A = 6,9 cm²
I_x = 16,1 cm⁴
I_y = 16,9 cm⁴
W_x = 5,3 cm³
W_y = 7,5 cm³
m = 1,9 kg/m



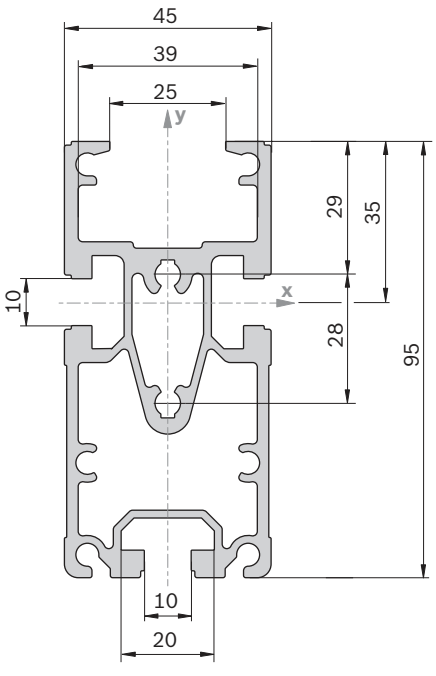
19904

Section profile SP 2/B-50		Slot	L (mm)	No.
1 pc		8 / 10	200 ... 6070	**3 842 992 903 / L**
1 pc		8 / 10	6070	**3 842 532 670**
20 pcs		8 / 10	6070	**3 842 532 697**

Material: Aluminum; anodized

SP 2/B-100

A = 11,9 cm²
I_x = 95,1 cm⁴
I_y = 30,4 cm⁴
W_x = 20,0 cm³
W_y = 13,5 cm³
m = 3,2 kg/m



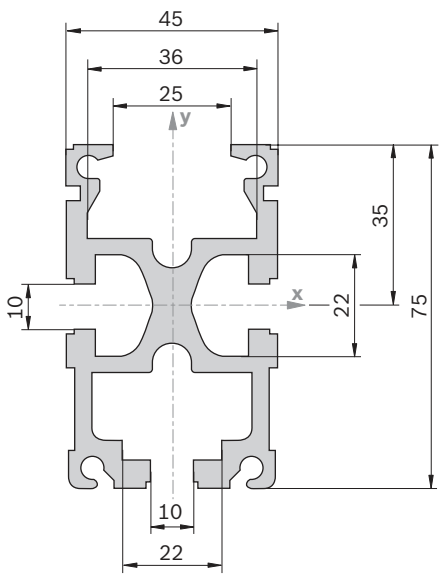
19905

Section profile SP 2/B-100		Slot	L (mm)	No.
1 pc		10	200 ... 6070	**3 842 993 259 / L**
1 pc		10	6070	**3 842 532 592**
16 pcs		10	6070	**3 842 532 608**

Material: Aluminum; anodized

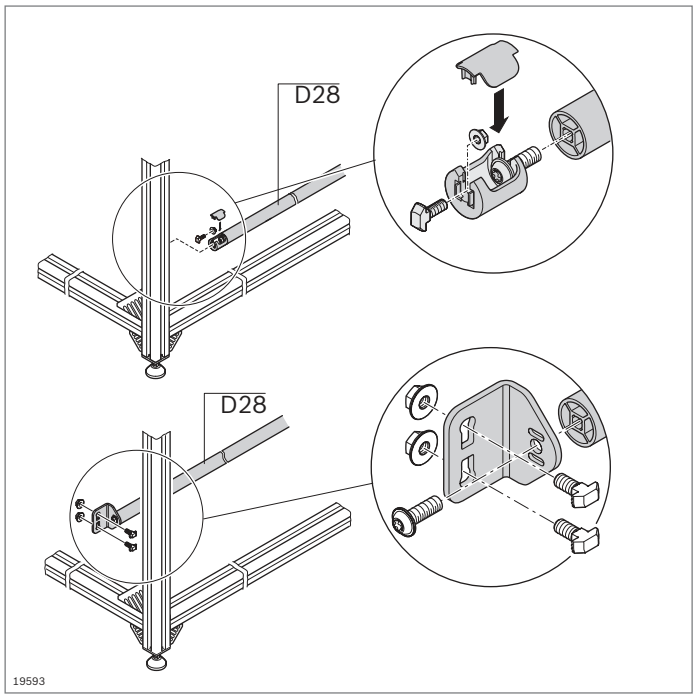
SP 2/BH

A = 12,4 cm²
I_x = 53,7 cm⁴
I_y = 28,6 cm⁴
W_x = 14,0 cm³
W_y = 13,8 cm³
m = 3,3 kg/m



Section profile SP 2/BH		Slot	L (mm)	No.
1 pc		10	200 ... 6070	**3 842 990 409 / L**
1 pc		10	6070	**3 842 532 699**
16 pcs		10	6070	**3 842 532 696**

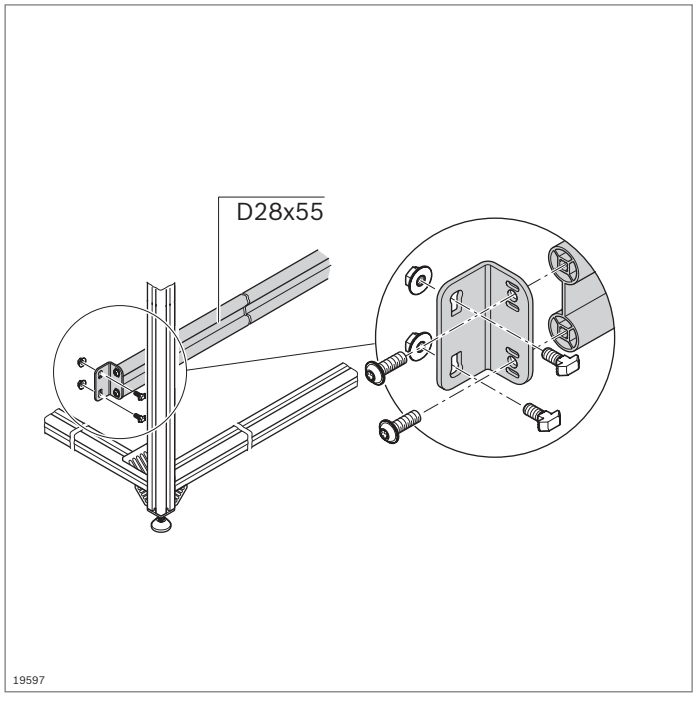
Material: Aluminum; anodized

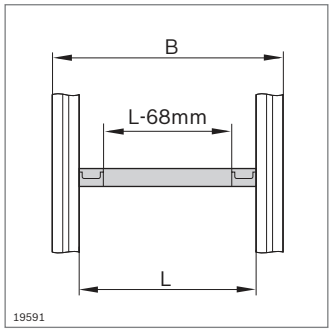


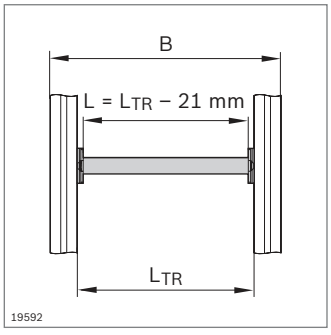
Round tube D28, strut profile D28x55 bracket, T-connector Bracket, T-connector



- 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. 3-43)
- For matching components to construct conveyor tracks, see chapter 12 “Elements for manual movement”

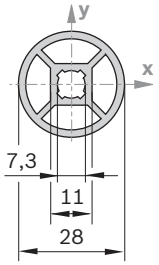






D28

A = 2,4 cm²
I_x = 1,5 cm⁴
I_y = 1,5 cm⁴
W_x = 1,1 cm³
W_y = 1,1 cm³
m = 0,7 kg/m

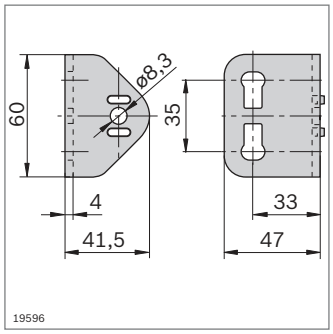


19505

Round tube D28		L (mm)	No.
1 pc		50 ... 6070	**3 842 993 317 / L**
1 pc		6070	**3 842 564 212**
20 pcs		6070	**3 842 535 118**

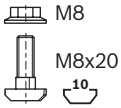
Material: Aluminum; anodized
Accessories, optional: Labeling clip (p. 2-95)

Cover cap D28	Color	ESD		No.
	Gray		20	**3 842 537 718**
	Black		20	**3 842 535 835**

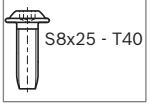


19596

FS1



FS2

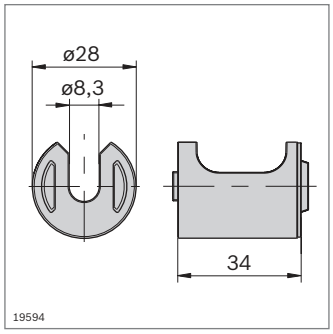


Holding bracket for round tube D28

- 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

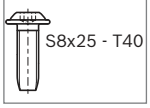
Bracket 60x47x4		No.	FS
	20	**3 842 536 002**	2xFS1, FS2

Material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)

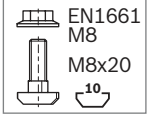


19594

FS2



FS3

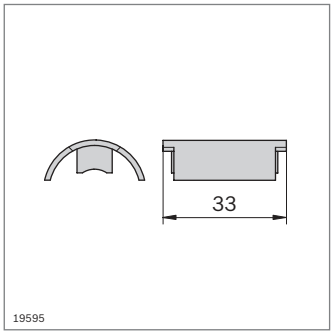


T-connector for round tube D28

- 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, FS3

Material: T-connector: Diecast aluminum
Cover cap: ABS; black
Scope of delivery: Incl. cover cap, fastening material (FS)



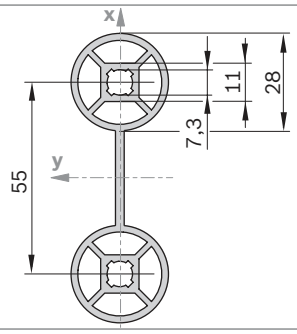
19595

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

Material: ABS; black

D28x55

A = 5,9 cm²
I_x = 3,2 cm⁴
I_y = 88,3 cm⁴
W_x = 2,3 cm³
W_y = 23,1 cm³
m = 1,6 kg/m

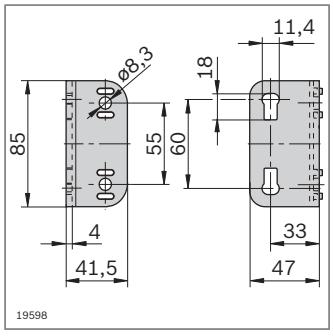


19468

Strut profile D28x55		L (mm)	No.
1 pc		100 ... 6070	**3 842 993 489 / L**
1 pc		6070	**3 842 564 214**
20 pcs		6070	**3 842 537 477**

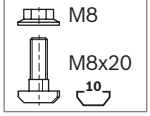
Material: Aluminum; anodized
Accessories, optional: Labeling clip (p. 2-95)

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



19598

FS1



FS2



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

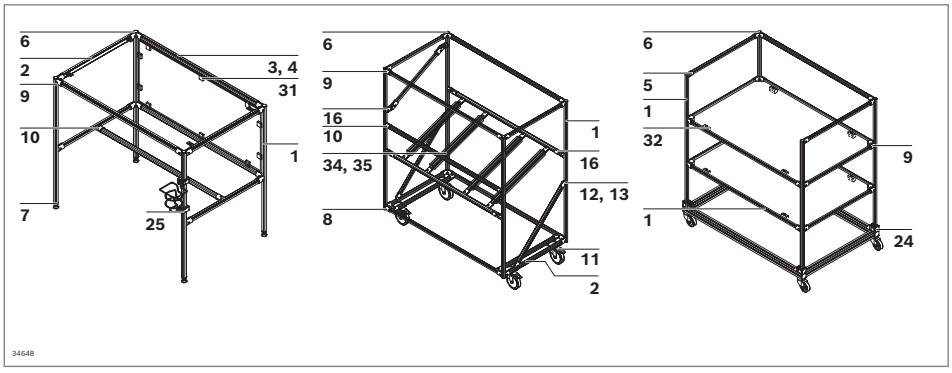
Bracket 85x47x4		No.	FS
	20	**3 842 536 730**	2xFS1, 2xFS2

Material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)



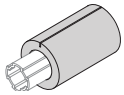
EcoShape tubular framing system

- Secure connection based on poka-yoke principle
- Accidental mistakes during assembly are prevented by the design
  - Anti-torsion element for secure joints
  - Form-fit connection
  - High dynamic load capacity
- All connectors are suitable for setting up ESD-conductive systems



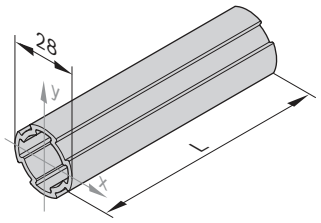
Few components – countless options

The EcoShape system is characterized by its simplicity and efficiency: Using just a few components, you can build complete assembly lines as well as simple transport shuttles.

1 **Round tube** **D28L** 	**2** **Round tube** **D28L, N10** 	**3** **Slide rail** **D28L** 	**4** **Slide rail** **D28L, SF** 
5 **Cover cap** **D28L** 	**6** **Cover cap** **D28L, N10** 	**7** **Threaded sleeve** **D28L, PA** 	**8** **Threaded sleeve** **D28L, M12** 
9 **90°** **Connector** **D28L** 	**10** **90°** **Connector D28L,** **inside** 	**11** **Parallel** **connector D28L** 	**12** **45°** **Connector D28L** 
13 **45°** **Connector D28L,** **inside** 	**14** **Strut** **D28L, 45°** 	**15** **Cross connector** **D28L** 	**16** **0°-90°** **Connector D28L** 
17 **0°-90°** **Connector** **D28L** 	**18** **Corner bracket** **D28L** 	**19** **90°** **connector R25,** **inside** 	**20** **Swivel bearing** **D28L** 
21 **Bushing** 	**22** **Retaining ring** **D28L** 	**23** **Adapter** **N8, N10** 	**24** **Adapter** **N10/45** 
25 **Adapter** **N10/30** 	**26/1** **Adapter mount D28L**  **26/2** **Container mount** 	**27** **Adapter** **XLean** 	**28** **Tube clamp** **D28L, N10** 
29 **Hinge** **D28L/D28L** 	**30** **Hinge** **D28L/–** 	**31** **Variofix** **block PA** 	**32** **Variofix** **block Zn** 
33 **Mounting** **bracket** **D28L** 	**34** **Impact** **protection** 	**35** **Impact** **protection** **D28L** 	**36** **Ring** **D50** 
37 **Rubber foot** **D28** 	**38** **Stopper** **D28L, N10** 	**39/40** **EcoShape** **base plate** 	**41** **Tension wire**

1

A = 1,8 cm²
I_x = 1,3 cm⁴
I_y = 1,3 cm⁴
W_x = 1,0 cm³
W_y = 1,0 cm³
m = 0,5 kg/m



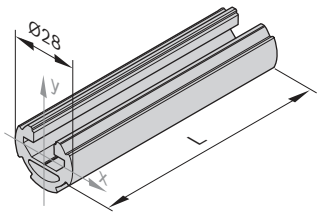
36996

- Round tube D28L with 4 interfaces for attaching EcoShape connectors

Round tube D28L		L (mm)	No.
1 pc		50 ... 6070	**3 842 994 291/L**
50 pcs		6070	**3 842 567 384**
1 pc		6070	**3 842 567 386**
Material:	Aluminum; anodized		

2

A = 2,6 cm²
I_x = 1,0 cm⁴
I_y = 2,0 cm⁴
W_x = 1,4 cm³
W_y = 0,8 cm³
m = 0,7 kg/m

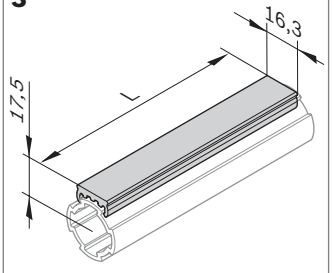


36997

- Round tube D28L, N10 with 10 mm slot for mounting accessories from the aluminum profile construction kit
- 3 interfaces for EcoShape connectors

Round tube D28L, N10		L (mm)	No.
1 pc		50 ... 6070	**3 842 994 292/L**
20 pcs		6070	**3 842 567 385**
1 pc			**3 842 567 387**
Material:	Aluminum; anodized		

3



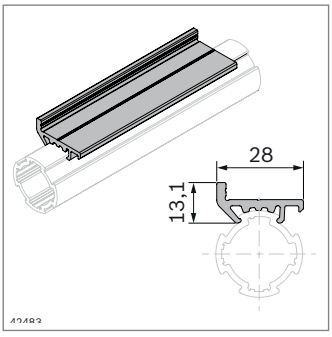
00134987

- Slide rail for creating a simple conveyor track or manual slide section by clipping the slide rail onto the round tube D28L or D28L, N10

Slide rail D28L		L (mm)	ESD		No.
Signal gray		2000		10	**3 842 554 750**
Black		2000		10	**3 842 548 117**
Material:	PVC				

4

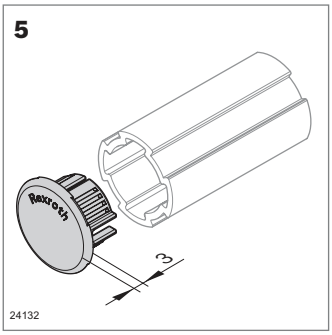




- Slide rail with lateral guide for creating a simple conveyor track or manual slide section by clipping the slide rail onto the round tube D28L or D28L, N10

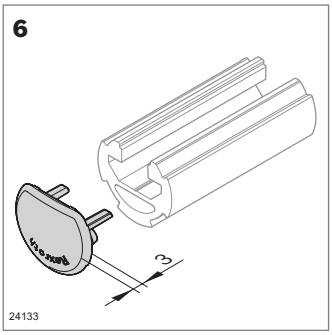
Slide rail D28L SF		L (mm)	ESD		No.
Signal gray		2000		10	**3 842 567 346**
Black		2000		10	**3 842 567 347**
Material:	PVC				

5



24132

6

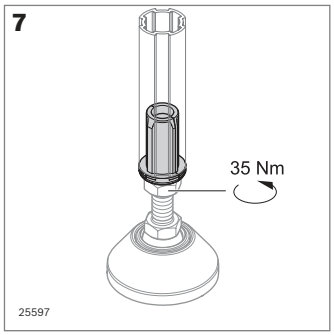


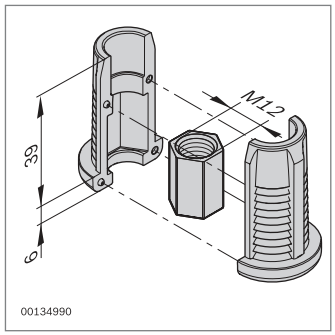
24133

- Cover cap for round tube D28L and D28L, N10

Cover cap			ESD		No.
5	D28L	Signal gray		20	**3 842 554 752**
		Black		20	**3 842 548 129**
6	D28L, N10	Signal gray		20	**3 842 554 754**
		Black		20	**3 842 548 130**
Material:	PA6, PA666 (conductive)				

7



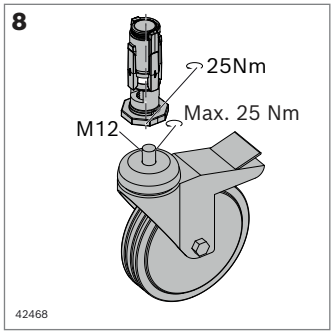


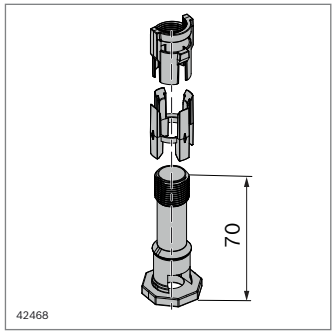
▶ Threaded sleeve for incorporating a leveling foot or castor wheel

Threaded sleeve D28L, PA	ESD		No.
Black		20	**3 842 541 185**

Material: PA66
Hexagon nut: Aluminum

8



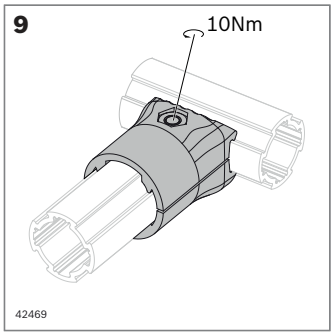


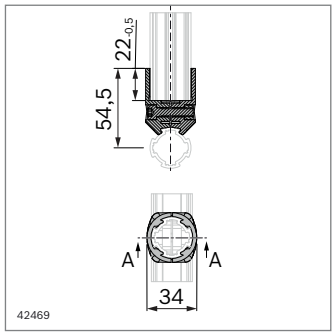
▶ Threaded sleeve for incorporating a leveling foot or castor wheel for dynamic loads

Threaded sleeve D28L, M12	ESD		No.
		20	**3 842 567 349**

Material: Die-cast aluminum / galvanized steel

9



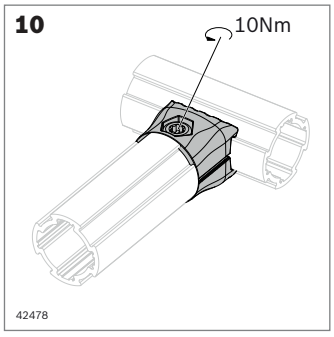


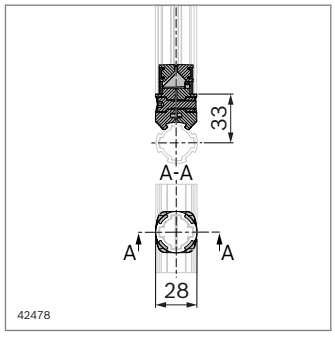
90° connector D28L	ESD		No.	FS
		20	**3 842 567 339**	FS1

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

FS1
ISO14579 M6x25
DIN EN ISO7042 M6

10



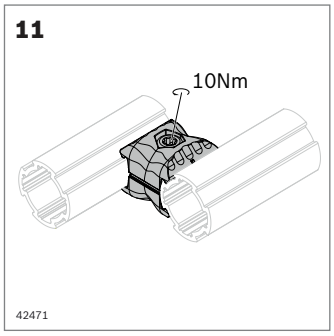


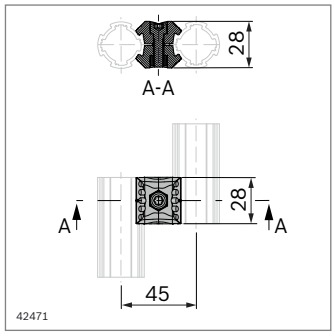
90° connector D28L, inside	ESD		No.	FS
		20	**3 842 567 341**	FS2

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

FS2
ISO14579 M6x20
DIN EN ISO7042 M6

11



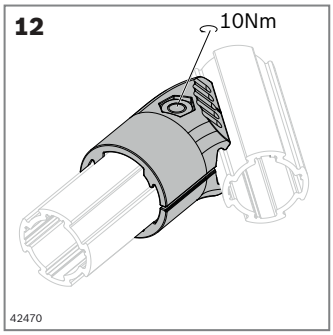


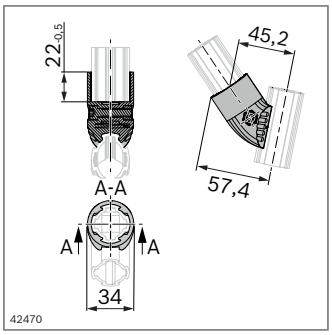
Parallel connector D28L	ESD		No.	FS
		20	**3 842 567 350**	FS2

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

FS2
ISO14579 M6x25
DIN EN ISO7042 M6

12



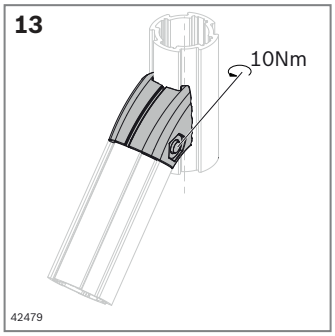


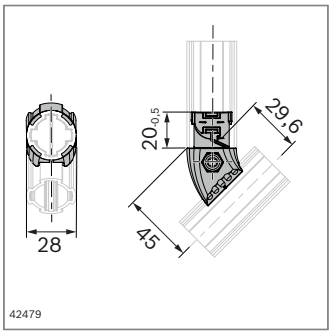
45° connector D28L	ESD		No.	FS
	⚠	20	**3 842 567 340**	FS1

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

FS1
ISO14579 M6x25
DIN EN ISO7042 M6

13



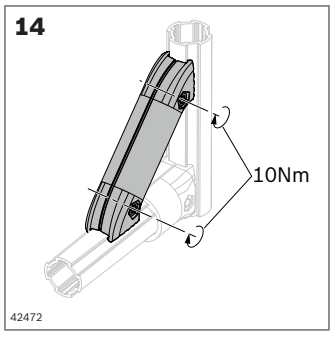


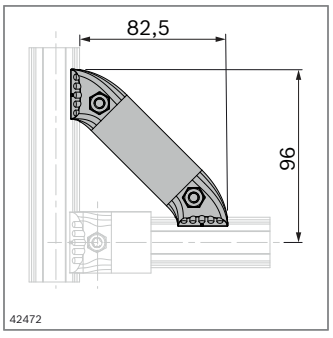
45° connector D28L, inside	ESD		No.	FS
	⚠	20	**3 842 567 342**	FS2

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

FS2
ISO14579 M6x20
DIN EN ISO7042 M6

14



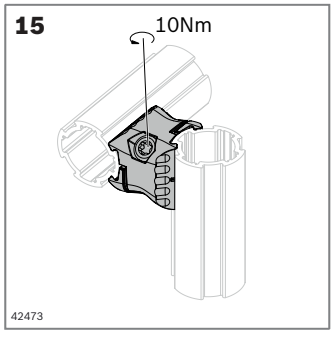


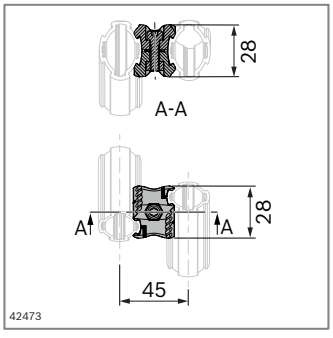
Strut D28L, 45°	ESD		No.	FS
	⚠	20	**3 842 567 351**	2xFS2

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

FS2
ISO14579 M6x20
DIN EN ISO7042 M6

15



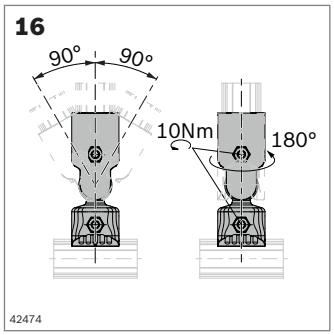


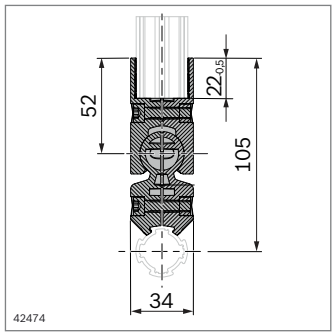
Cross connector D28L	ESD		No.	FS
	⚠	20	**3 842 567 352**	FS2

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

FS2
ISO14579 M6x20
DIN EN ISO7042 M6

16



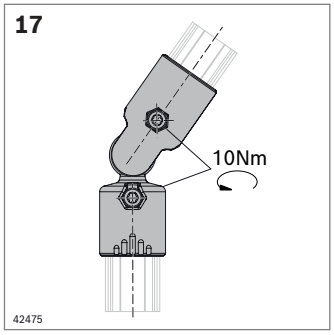


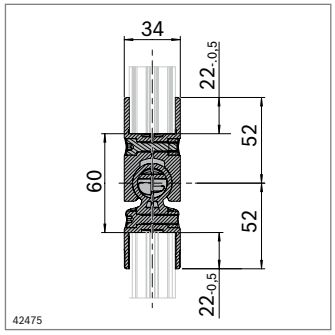
0°-90° connector D28L	ESD		No.	FS
		20	**3 842 567 353**	2xFS1

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

FS1
ISO14579 M6x25
DIN EN ISO7042 M6

17



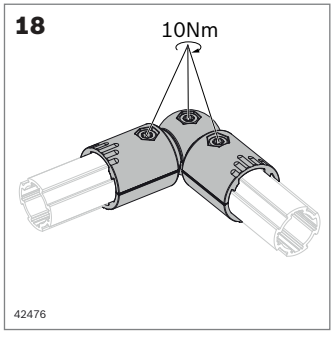


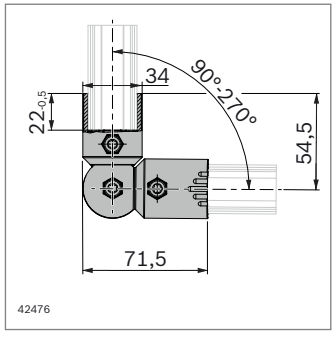
0°-90° connector D28L	ESD		No.	FS
		20	**3 842 567 390**	2xFS1

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

FS1
ISO14579 M6x25
DIN EN ISO7042 M6

18





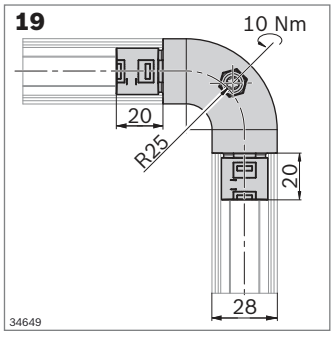
- Corner bracket D28L for easy adjustment within a 15° range
- Swivel range: 90°–270°

90°-270° corner bracket D28L	ESD		No.	FS
		20	**3 842 567 355**	3xFS1

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

FS1
ISO14579 M6x25
DIN EN ISO7042 M6

19

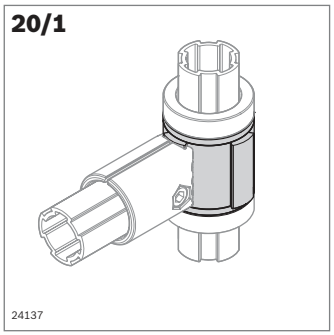


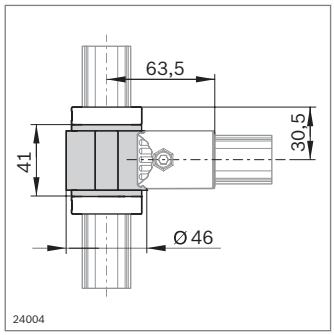
90° connector R25, inside		No.	FS
	20	**3 842 567 381**	FS2

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

FS2
ISO14579 M6x20
DIN EN ISO7042 M6

20/1





- For axial shifting along the round tube D28L or D28L, N10. End position defined via retaining ring
- Construction of swiveling applications
- Additional thread for flexible bracket adjustment

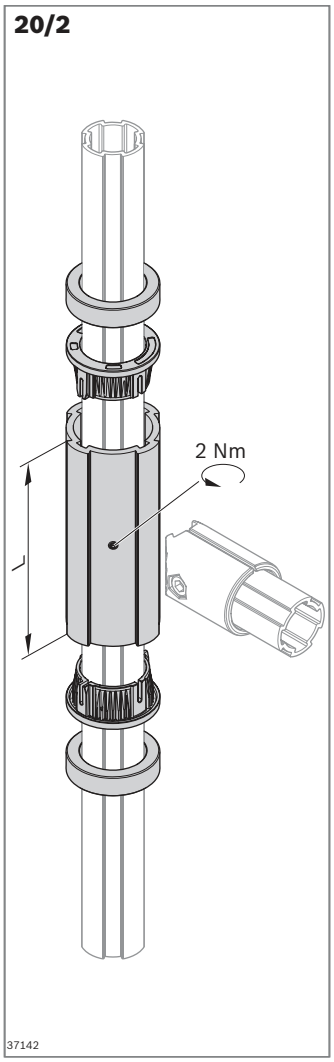
Required accessories:

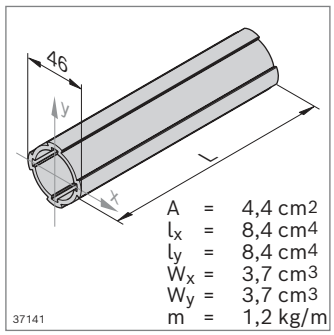
- Retaining ring D28L

Swivel bearing D28L	L (mm)		No.
	34	20	**3 842 548 121**

Material:	Swivel bearing: Aluminum
Scope of delivery:	Swivel bearing D28L, L = 34 mm; bushing D28 (17), headless setscrew ISO 4026 M4x10

20/2





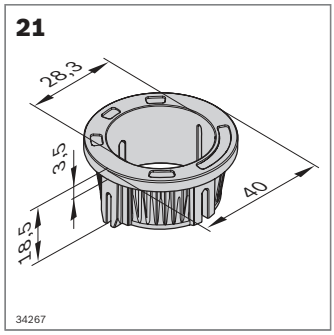
For self-assembly:

- Swivel bearing D28L with L = 1000 mm, can be cut to length

Swivel bearing D28L	L (mm)		No.
	1000	2	**3 842 557 298**

Material:	Aluminum

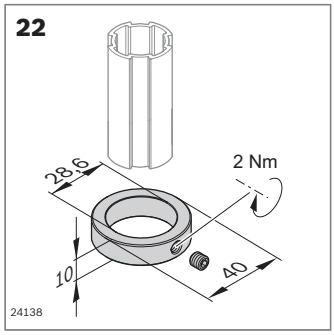
21



Bushing D28		No.
	4	**3 842 557 299**

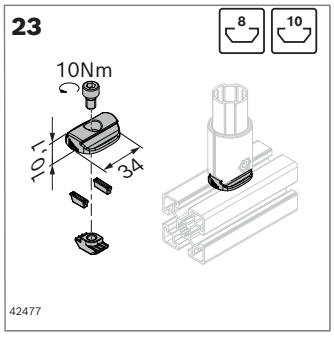
Material:	POM; black

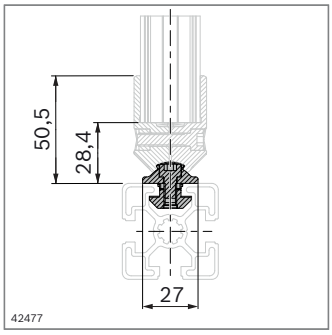
22



Retaining ring D28L	ESD		No.
		4	**3 842 548 122**

Material:	Aluminum
Scope of delivery:	Retaining ring incl. headless setscrew DIN 913 M6x6





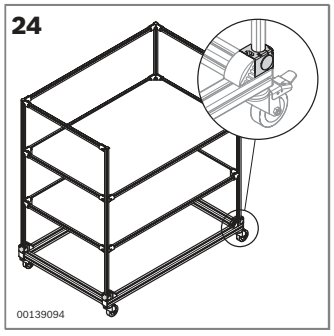
▶ Adapter N8, N10 for connection to a Rexroth strut profile (8 mm slot, 10 mm slot)

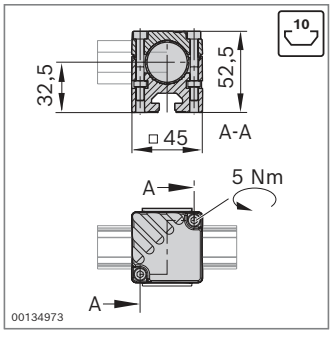
Adapter N8, N10	ESD		No.	FS
		20	**3 842 567 354**	FS4, FS5

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

FS4
ISO14579 M6x10
M6 8

FS5
ISO14579 M6x12
2x M6 10



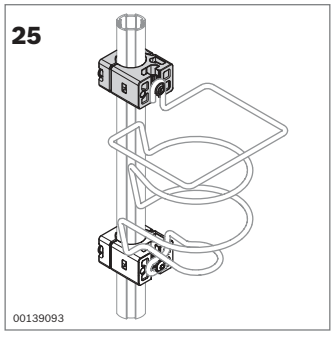


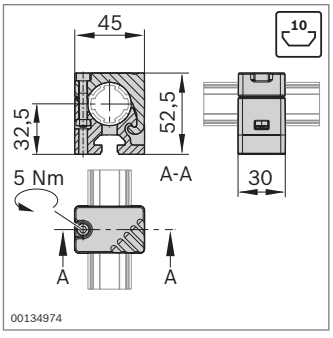
▶ Adapter N10/45 for connecting round tube D28L or D28L, N10 to a profile with 10 mm slot

Adapter N10/45	ESD		No.	FS
		20	**3 842 541 187**	2xFS3

Material: Adapter: Diecast zinc
Cover cap: PE
Scope of delivery: Incl. cover cap, fastening material (FS)

FS3
ISO 4762 M5x40
DIN 934 M5



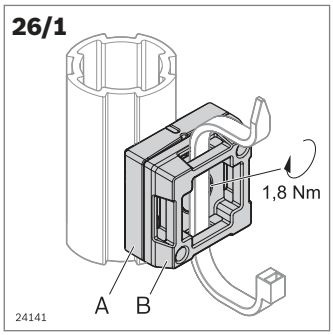


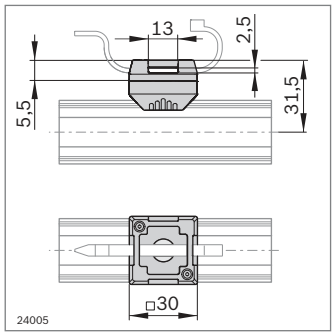
▶ Adapter N10/30 for fastening light accessories, such as a bottle holder to a round tube D28L

Adapter N10/30	ESD		No.	FS
		20	**3 842 541 190**	**FS6**

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

FS6
ISO 4762 M5x30
DIN 934 M5



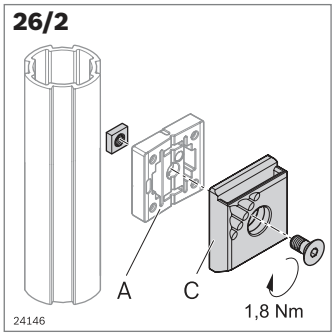


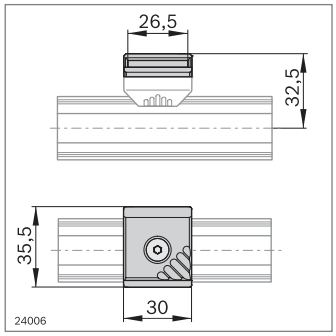
- For attaching cable ties

Adapter mount D28L		No.	FS
A + B	20	**3 842 548 120**	FS7

Material: PA66; black
Scope of delivery: Incl. fastening material (FS)

FS7
ISO 10642
M5x10





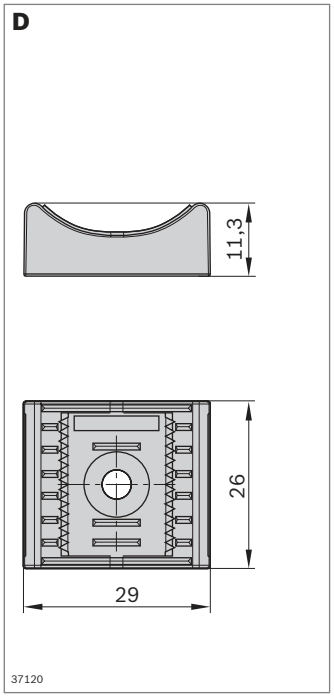
- For attaching containers using the container mount

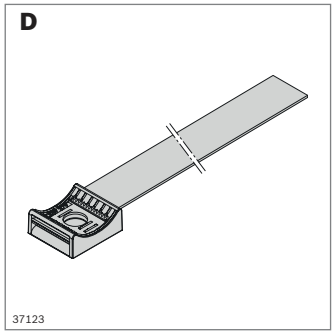
Container mount	ESD		No.	FS
C		10	**3 842 544 797**	FS8, FS12

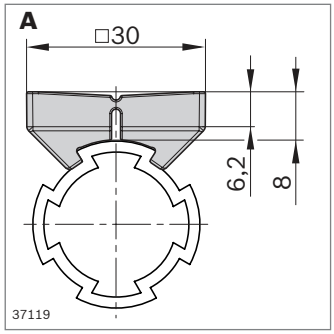
Material: PA66; black
Scope of delivery: Incl. fastening material (FS)

FS8
ISO 10642
M5x10
M5 8

FS9
ISO 10642
M5x16
M5 10







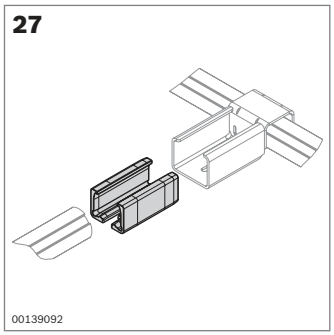
- Loop flat cable bracket (**D**) for direct assembly on panel element or table top
- Can be mounted on adapter D28L (**A**) for attachment to EcoShape profiles
- Can be used with M4 and M5 screws
- Adapter for attaching loop flat cable holder to EcoShape profiles
- Adapter D28L (**A**) for fastening of container mount

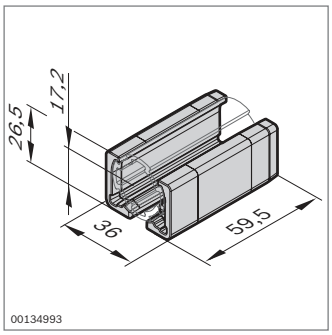
Cable bracket + adapter	ESD		No.	FS
D Cable bracket loop flat		10	**3 842 559 380**	
A Adapter D28L		10	**3 842 562 115**	FS7

Material: Cable bracket: PP; black; UL certified
Velcro strap: PP, PPA (velour); UL certified
Adapter: PA; black
Mounting kit: Steel; zinc-plated
Scope of delivery: Adapter incl. fastening material (FS)

FS7
ISO 10642
M5x10

27



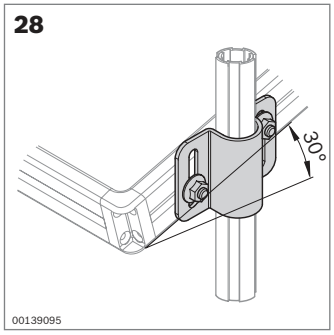


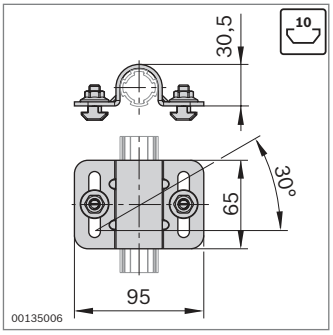
- Adapter XLean for combination with XLean. The adapter XLean connects the round tube D28L to the rail holder XLean

Adapter XLean	ESD		No.
		20	**3 842 541 296**

Material: PA66; black

28





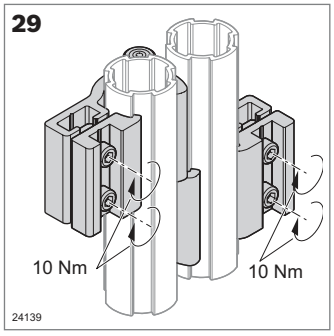
- Tube clamp D28L, N10 for fastening material shelves with 10 mm slot to the round tube D28L. Oblique positioning up to 30° possible

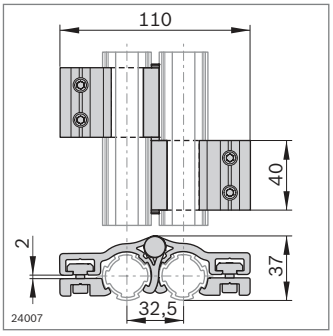
Tube clamp D28L, N10	ESD		No.	FS
		20	**3 842 541 193**	2xFS10

Material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)

FS10
M8
M8x20
10

29





- Opening angle: 180°
- For mounting round tube D28L

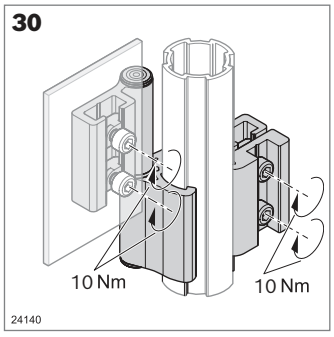
Hinge D28L/D28L	ESD		No.	FS
		2	**3 842 548 126**	4xFS11, FS12

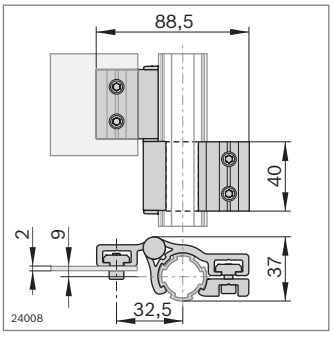
Material: Aluminum
Scope of delivery: Incl. fastening material (FS)

FS11
ISO4762
M6x10
M6
8

FS12
ISO8741
6x60
DIN125
A6,4

30





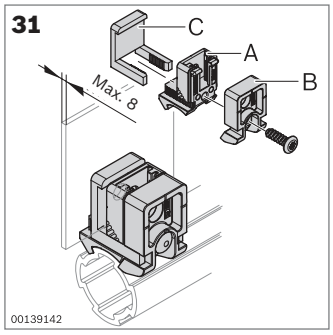
- Opening angle: 180°
- For mounting panel elements

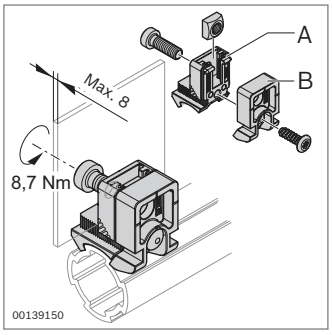
Hinge D28L/–	ESD		No.	FS
		2	**3 842 548 127**	2xFS11, FS12

Material: Aluminum
Scope of delivery: Incl. Fastening material

FS11
ISO4762
M6x10
M6
8

FS12
ISO8741
6x60
DIN125
A6,4





- Plastic Variofix block for fastening panel elements with snap-in clips or a screw
- Variofix remover for releasing the snap-in clip

Variofix block PA		No.	FS
A + B	20	**3 842 543 311**	FS13, FS14

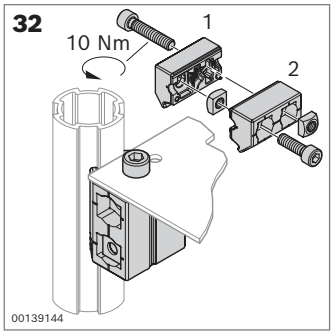
Material: PA66; black
Scope of delivery: Incl. fastening material (FS)

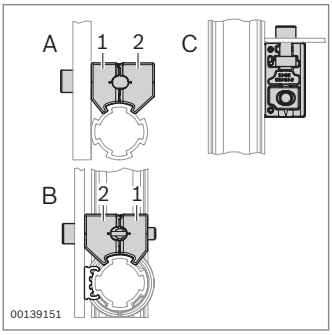
FS13
ISO 4762 M6x16
DIN 557 M6

FS14

Snap-in clip		No.
C	10	**3 842 184 738**

Material: PA6; transparent



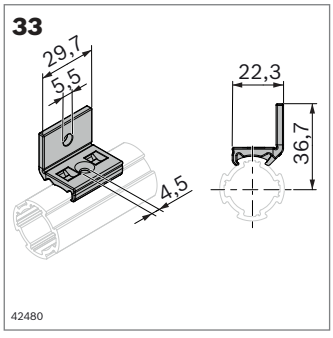


- Diecast zinc Variofix block for fastening panel elements
- Three arrangements possible (“A”, “B”, “C”)

Variofix block Zn	ESD		No.	FS
		20	**3 842 543 494**	FS15

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

FS15
ISO 4762 M6x22
ISO 4762 M6x30
2x DIN 557 M6

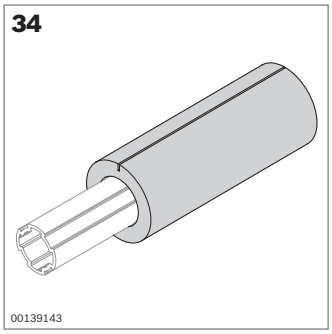


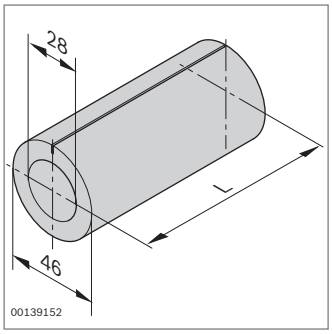
- Diecast zinc mounting bracket D28L for fastening panel elements
- Recommended for ESD applications: Countersunk self-tapping screw ISO 15482-ST4, 2x13

Mounting bracket D28L	ESD		No.
		10	**3 842 567 368**

Material: PA66,

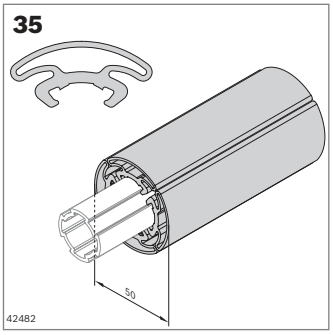
34

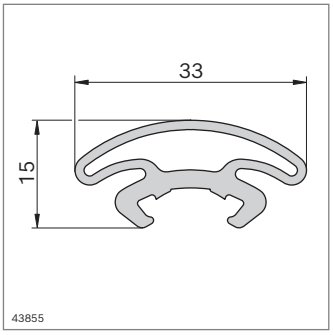




Impact protection	L (mm)		No.
	2000	10	**3 842 544 637**
Material:	PE-LD; gray		

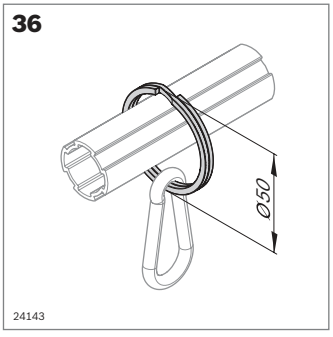
35





Impact protection D28L	L (mm)		ESD	No.
Signal gray	2000	10		**3 842 567 344**
Black	2000	10	⚠	**3 842 567 345**
Material:	TPV, TPE (conductive)			

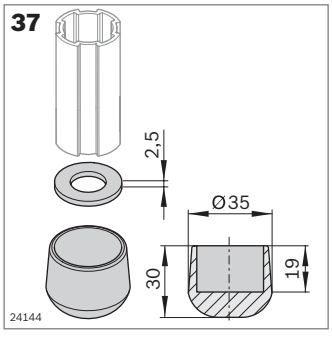
36



▶ For designing simple tool holders

Ring + spring hook		No.
Ring D50	20	**3 842 548 131**
Spring hook	1	**0 842 901 309**
Material:	Ring: Steel; nickel-plated Spring hook: Steel; zinc-plated	

37

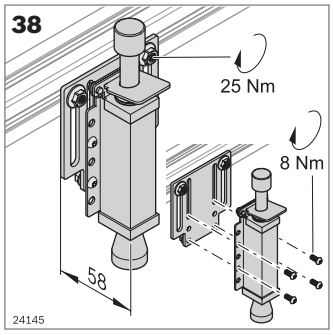


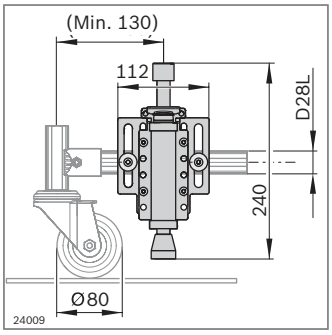
▶ Non-slip design of flow racks and stands

Rubber foot D28	ESD		No.	FS
	⚠	20	**3 842 548 128**	FS16
Material:	NR/SBR; black			

FS16

ISO 7089-14-200HV-CM





- To stop material shuttles ergonomically at just one point
- Universal attachment to different round tubes and profile cross-sections
- Stopper tension path: 34 mm

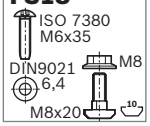
Stopper D28L, N10	No.	FS
	3 842 548 132	4xFS16, 2xFS18

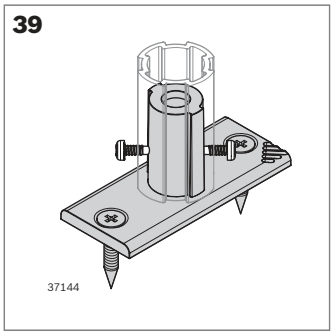
Material:	Stopper: Stainless steel, EPDM Attachment plate: Aluminum
Scope of delivery:	Incl. fastening material (FS)

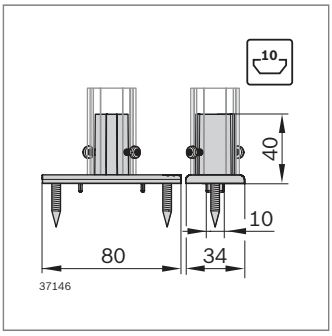
FS17



FS18







- Base plate for fastening frames directly onto walls, floors, table tops and strut profiles with 10 mm slot via EcoShape round tubes
- No additional connector required
- Centering lugs as anti-torsion elements (can be broken off)
- Reference load for profile installation: 15 Nm admissible in lengthwise and crosswise direction Load values for installation on other surfaces dependent on material

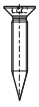
Recommended accessories for profile installation:
- Countersunk screw ISO 10642 M5x16-8.8
- T-nut (**3 842 530 283**)

Accessories, optional:
Self-tapping screw (**3 842 552 267**)

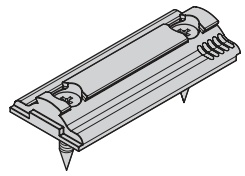
Base plate D28L	ESD		No.	FS
		10	**3 842 559 346**	2xFS19

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

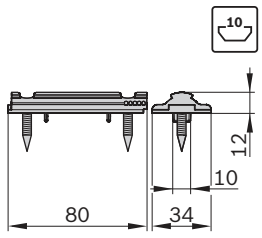
FS19



40



37145



35420

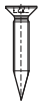
- Base plate for fastening frames directly onto walls, floors, table tops and strut profiles with 10 mm slot via EcoShape round tubes
- No additional connector required
- Centering lugs as anti-torsion elements (can be broken off)
- Reference load for profile installation: 15 Nm admissible in lengthwise and crosswise direction Load values for installation on other surfaces dependent on material

Recommended accessories for profile installation:

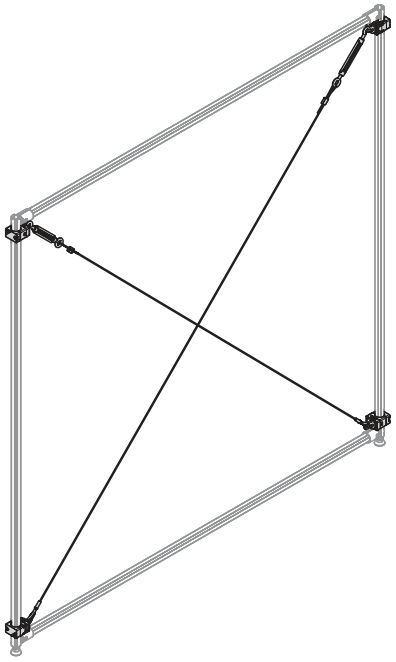
- Countersunk screw ISO 10642 M5x16-8.8
- T-nut (**3 842 530 283**)

EcoShape base plate	ESD		No.	FS
		10	**3 842 559 345**	2xFS19
Material:	Diecast zinc			
Scope of delivery:	Incl. fastening material (FS)			

FS19



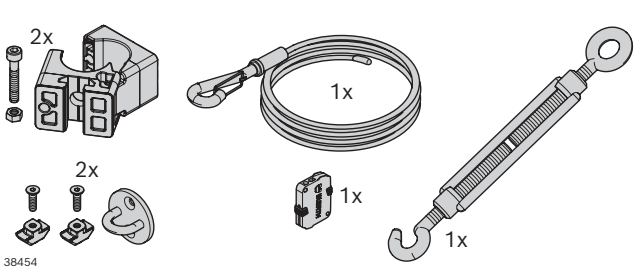
41



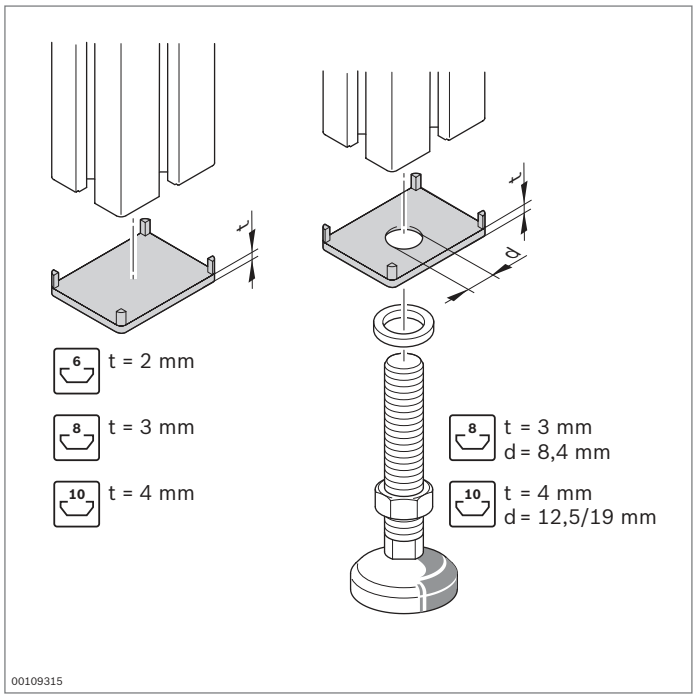
38453

- Reinforcement option for EcoShape applications
- Max. tensioning force 500 N

Tension wire	L (mm)	ESD		No.
	3000		2	**3 842 562 083**
Material:	Eye, tension lock: Stainless steel Wire rope: Steel; zinc-plated			
Scope of delivery:	Incl. fastening material for fastening to the D28L round tube			



38454

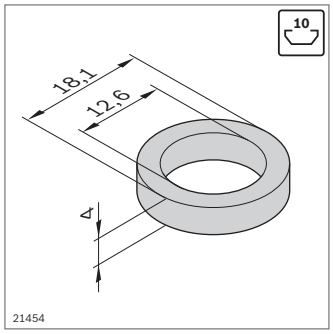


Cover cap
Cover cap with hole

ESD 6 8 10

- To prevent injuries at open profile ends
- Attractive design
- Cover cap with hole for use with leveling feet and rollers
- Cover cap material: PA or PP

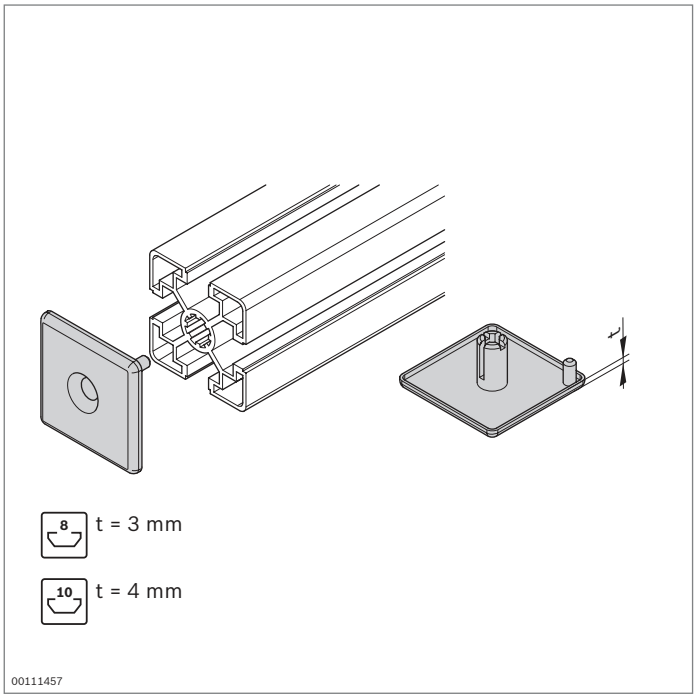
Order information for the cover caps can be found in the profile section



Bearing ring

- For cover caps with hole in the sizes 40x40, 45x45, 50x50 and 60x60
- For M12 threads
- To protect the cover caps when tightening accessories

Bearing ring		No.
	100	**3 842 555 653**
Material:	Diecast zinc	



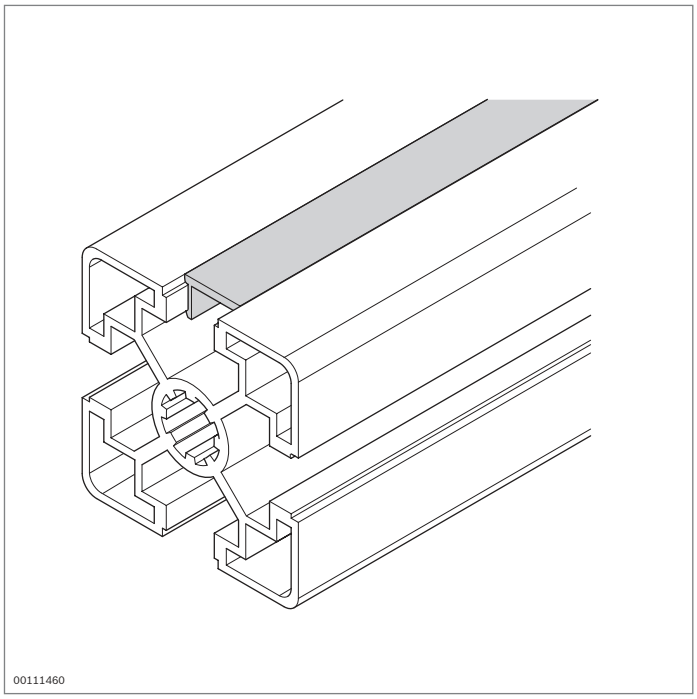
Diecast zinc cover cap

- Shock-proof
- Resistant to aggressive media
- Fastening with countersunk screw; profile finishing not required

Cover cap ZN		ESD	No.	FS
30x30-ZN			**3 842 518 204**	FS1
40x40-ZN			**3 842 541 807**	FS2
45x45-ZN			**3 842 518 205**	FS2
Material:	Cover cap: Diecast zinc Fastening material: Steel; zinc-plated			

FS1
DIN 7991 M4x16

FS2
DIN 7991 M6x16

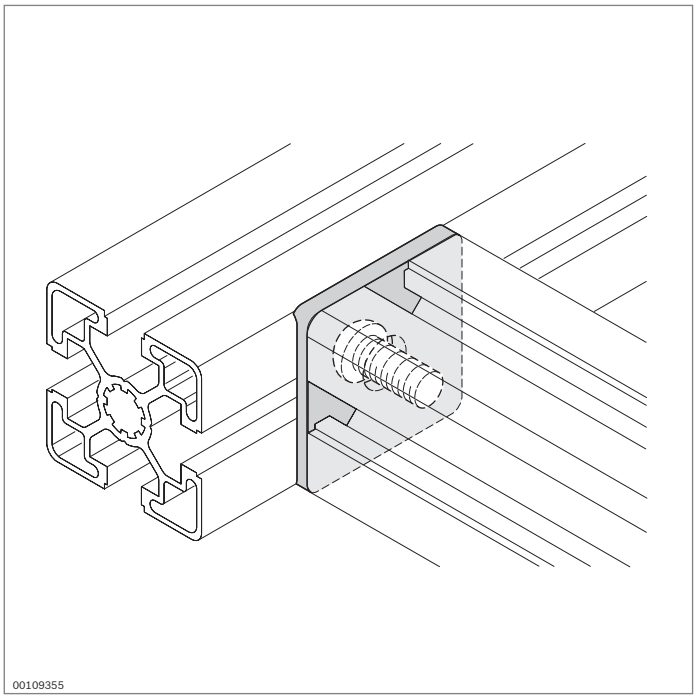


Cover profiles



- For fixing cables in position
- To prevent dirt from entering the profile slot
- Attractive design
- Soft PVC cover profile for 6 mm slot is provided as a roller
- Flush with profile
- An ESD-conductive connection between the cover profile and the strut profile must be ensured by a suitable design solution, e.g. screw

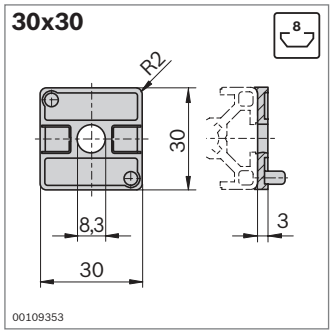
Cover profile, 6 mm slot	Color	Material	ESD	L (mm)		No.
 00109365	Colorless, natural	Aluminum; anodized	⚠	2000	10	**3 842 523 254**
 00117777	Signal gray (RAL 7004)	Soft PVC		10000	1	**3 842 555 268**
Cover profile, 8 mm slot	**Color**	**Material**	**ESD**	**L** (mm)		**No.**
 00109366	Colorless, natural	Aluminum; anodized	⚠	2000	10	**3 842 523 256**
 00109367	Signal gray (RAL 7004)	PP		2000	10	**3 842 548 878**
	Black (RAL 9005)	PP	⚠	2000	10	**3 842 548 879**
	Light gray (RAL 7035)	PP		2000	10	**3 842 548 898**
	Red (RAL 3020)	PP		2000	10	**3 842 549 878**
	Yellow (RAL 1023)	PP		2000	10	**3 842 549 879**
	Green (RAL 6032)	PP		2000	10	**3 842 554 771**
	Blue (RAL 5010)	PP		2000	10	**3 842 549 880**
	Orange (RAL 2004)	PP		2000	10	**3 842 549 881**
	Colorless, transparent	PET		2000	10	**3 842 549 877**
Cover profile, 10 mm slot	**Color**	**Material**	**ESD**	**L** (mm)		**No.**
 00109368	Colorless, natural	Aluminum; anodized	⚠	2000	10	**3 842 523 258**
 19502	Signal gray (RAL 7004)	Hard PVC		2000	10	**3 842 548 876**
	Black (RAL 9005)	Hard PVC	⚠	2000	10	**3 842 548 877**
	Light gray (RAL 7035)	Hard PVC		2000	10	**3 842 518 367**
	Red (RAL 3020)	Hard PVC		2000	10	**3 842 518 368**
	Yellow (RAL 1023)	Hard PVC		2000	10	**3 842 518 369**
	Green (RAL 6032)	Hard PVC		2000	10	**3 842 549 888**
	Blue (RAL 5010)	Hard PVC		2000	10	**3 842 538 955**
	Orange (RAL 2004)	Hard PVC		2000	10	**3 842 538 957**
	Colorless, transparent	Hard PVC		2000	10	**3 842 191 182**



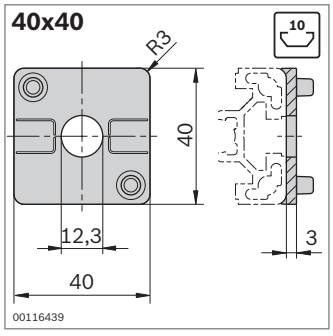
Radial compensation



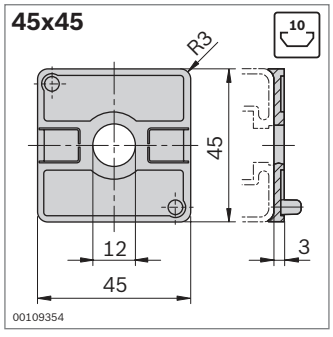
- For avoiding gaps and sharp edges on T-connections between two profiles using a central bolt or quick connector (note spacing of hole from the end of the profile)
- Slot segments can be broken out to support panel elements in the slot
- Important note: The load capacity of the profile connection is reduced when using radial compensation (see “Technical data”, page 18-1)!
- Tested for particulate emissions. Report No. BO2112-1289



Radial compensation		Slot		No.
30x30		8	10	**3 842 551 026**
Material:	PA; signal gray RAL 7004			

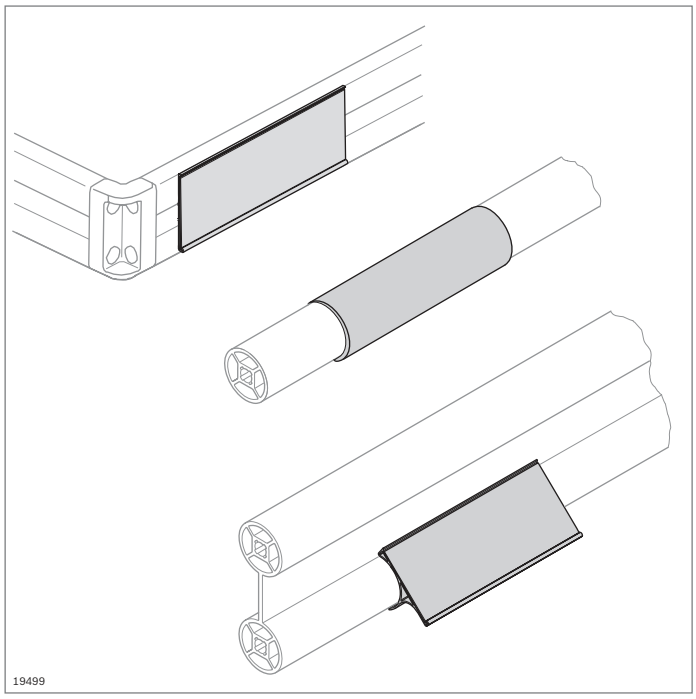


Radial compensation		Slot		No.
40x40		10	10	**3 842 551 028**
Material:	PA; signal gray RAL 7004			

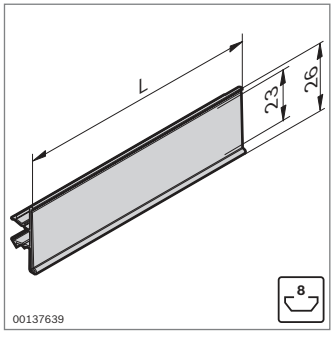


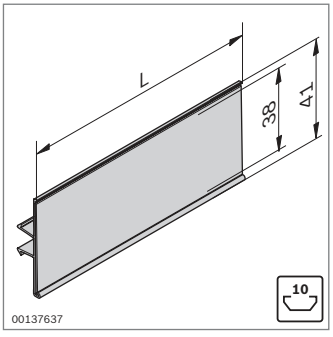
Radial compensation		Slot		No.
45x45		10	10	**3 842 551 030**
Material:	PA; signal gray RAL 7004			

Labeling clips



- For labeling profiles and tubular cross ties

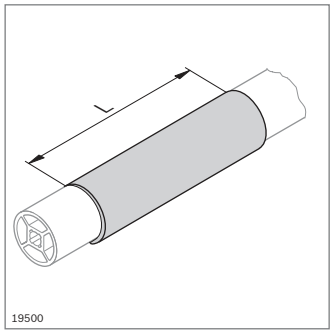




- Labeling clip for strut profiles with 8 mm and 10 mm slot

Labeling clip	Slot	L (mm)		No.
	8	2000	20	**3 842 537 113**
	8	102	20	**3 842 537 650**
	10	2000	20	**3 842 537 116**
	10	102	20	**3 842 537 651**

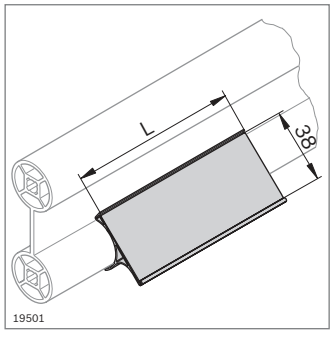
Material: Hard PVC; light gray (RAL 7035), transparent



- Self-adhesive
- Labeling clip with rounded text surface for strut profiles D28; D28L; D28L; N10 and D28x55
- Label height 38 mm

Labeling clip	L (mm)		No.
For tubular cross ties	2000	20	**3 842 535 136**
	102	20	**3 842 538 093**

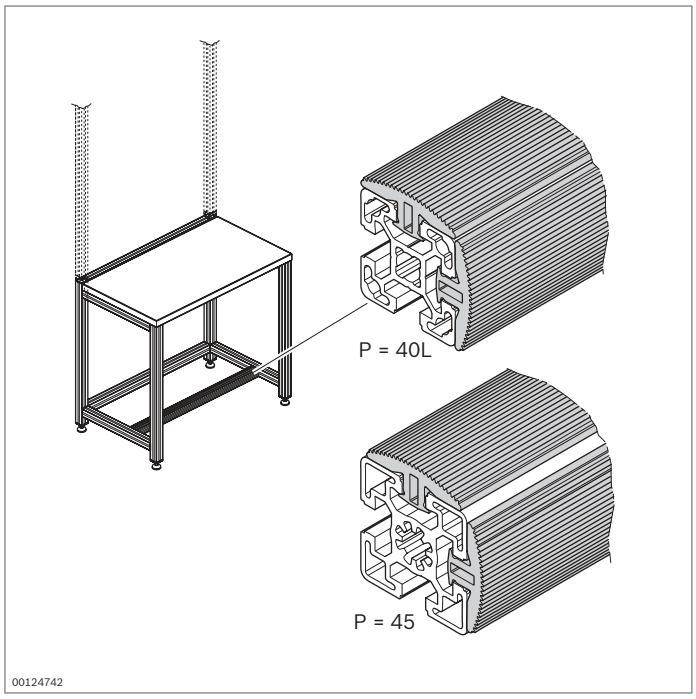
Material: Hard PVC; colorless, transparent



- Self-adhesive
- Labeling clip with flat text surface for strut profiles D28; D28L; D28L, N10, and D28x55

Labeling clip	L (mm)		No.
For tubular cross ties	2000	20	**3 842 537 119**
	102	20	**3 842 537 652**

Material: Hard PVC; light gray (RAL 7035), transparent



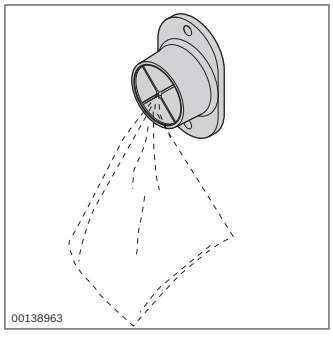
Rubber profile
Cloth holder

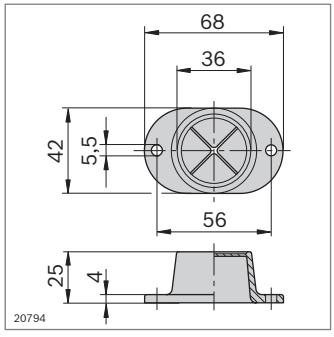
Rubber profile

- To avoid impact on hard edges, such as when setting down impact-sensitive products
- For use as footrest to clip in from top and front on the cross strut of the workstation
- Really simple and inexpensive
- Suitable for the construction of ESD workstations

Rubber profile	L (mm)	ESD		No.
	30 ... 30000		1	**3 842 994 979 / L**
	30000		1	**3 842 562 090**

Material: EPDM; conduction resistance R = 10^4 ... 10^9 Ω





Screwed-on cloth holder

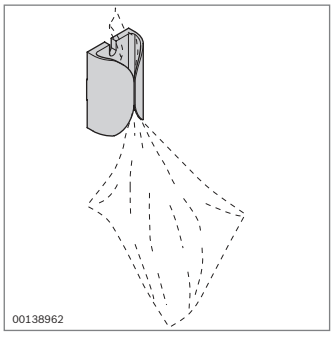
- For hanging cleaning cloths

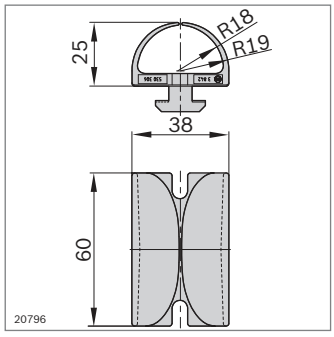
Required accessories:

- T-nut, 10 mm slot, M5 (**3 842 530 283**) (p. 2-103)
- Screw DIN 7984 M5x12

Screwed-on cloth holder	No.
	1 845 719 000

Material: PE; black





Cloth holder with clamp base

- With injection molded clamp base for direct assembly on strut profile with 10 mm slot
- Can also be used as a cable guide

Cloth holder with clamp base	No.
	3 842 530 306

Material: PA6; black



Function-integrated profiles



- Completely integrated wiring in the frame construction
- Unique profile joints with internal cable guide
- High flexibility with low component diversity (only 4 profile cross-sections)
- Appealing design: closed outer surfaces, accentuated plastic parts
- Minimal assembly
- Saves time and money: easy design, installation and maintenance

The function-integrated profiles (FIP) from Rexroth offer plenty of usable interior space, giving you more freedom for your design ideas: The completely internal cable guide allows for the safe and space-saving laying of cables, data lines and hoses – and thanks to the profile joints, they can even be laid through profile connectors.

Few parts, high variability – build a safe frame more quickly

The result is a solid machine frame that is based on only four profile cross-sections and offers a high degree of flexibility: Thanks to a 10 mm slot, all elements from the Rexroth modular profile system can be easily mounted, cavities simply separated with dividing strips and cables laid separately. The aluminum covers on the profile have a hinge function, ensuring ease of installation and maintenance. Screw holes for mounting covers and attachments parts provide safety and stability.

The unique profile joint not only withstands high transmission forces, but also allows for completely internal wiring. This way, the installation remains invisible until it is led out of the profile at the place of use. The function-integrated profiles are compatible with the standard profiles, meaning you can combine profiles and of course use various accessories.

Technical data

- Modular dimension 40
- Profile slot 10 mm
- Profile cross-sections 40x120x120, 120x120, 60x120, 120x120 6N
- Usable interior space from 600 mm^2 to 4000 mm^2
- Compatible with aluminum profile modules from Rexroth
- VDE certified
- Suitable for EPA

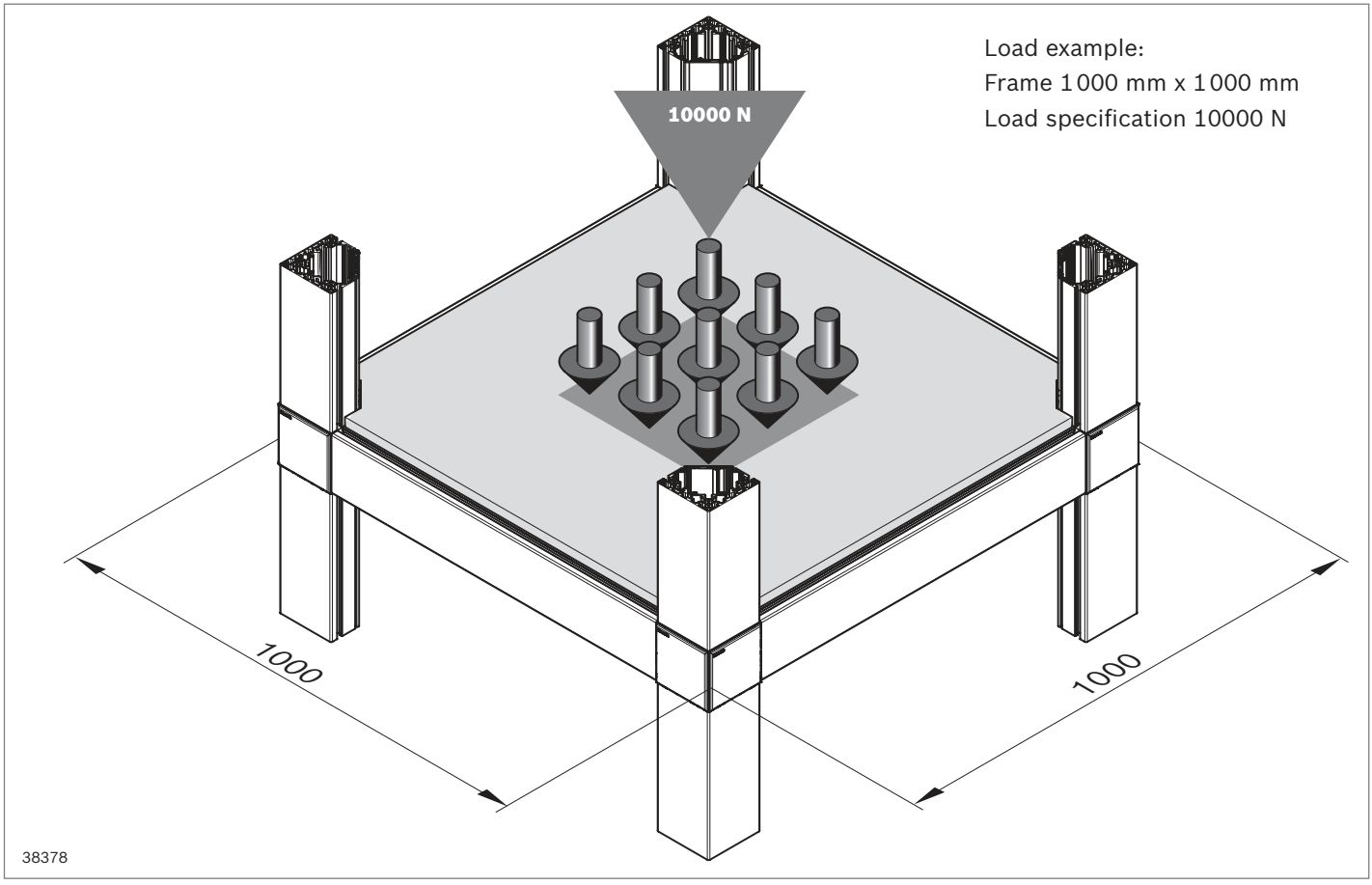


Stability and load capacity

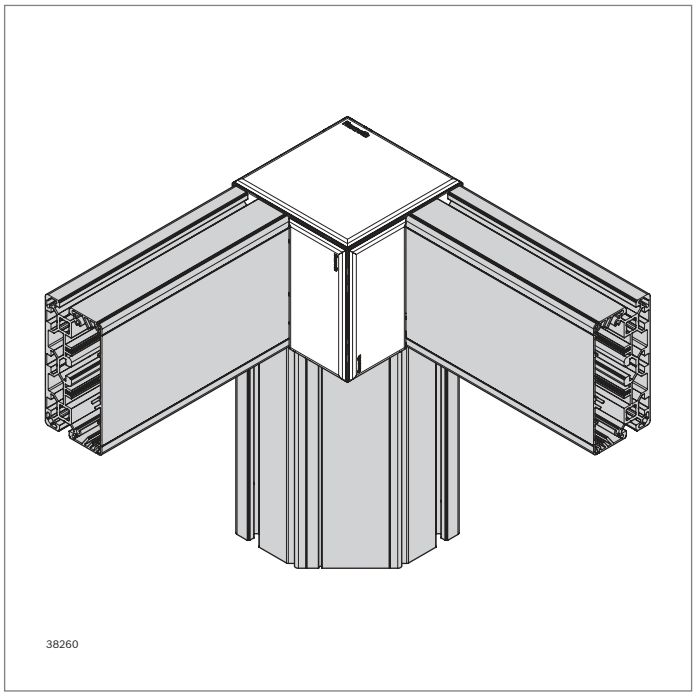
The range of function-integrated profiles is designed for high loads. The profiles in the 40 mm profile dimension include the sturdy 10 mm Rexroth slot and allow strong M12/S12 screws to be screwed into the central hole.

The central connection element in the system is the profile joints 1/2 and 3/4. The connection elements are made of solid diecast aluminum. The screw connection in the central hole of the profiles creates a high-strength connection as the basis for a resilient machine frame.

The base plates are designed for the use of M16 spindles, which can take up to 30000 N.



Load example:
Frame 1000 mm x 1000 mm
Load specification 10000 N



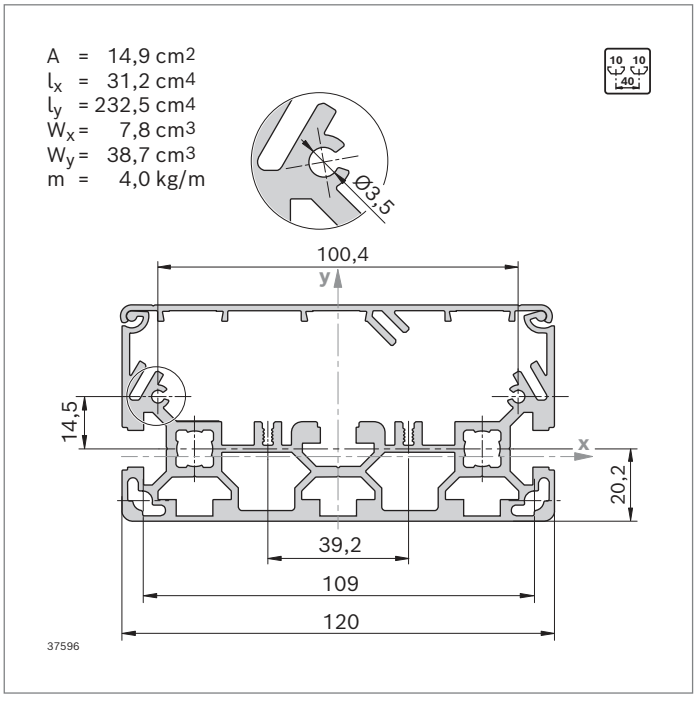
Cable guide profiles



- Construction profiles with usable interior space for guiding cables and hoses
- 2 parts (profile and cover)
- Cover with hinge function on both sides
- Concealed 10 mm slot for mounting socket strips or installation elements
- Screw holes for mounting cover plates
- Closed exterior
- Mount for dividing strips and grounding cables
- Mount for potential equalizer

Accessories, optional:

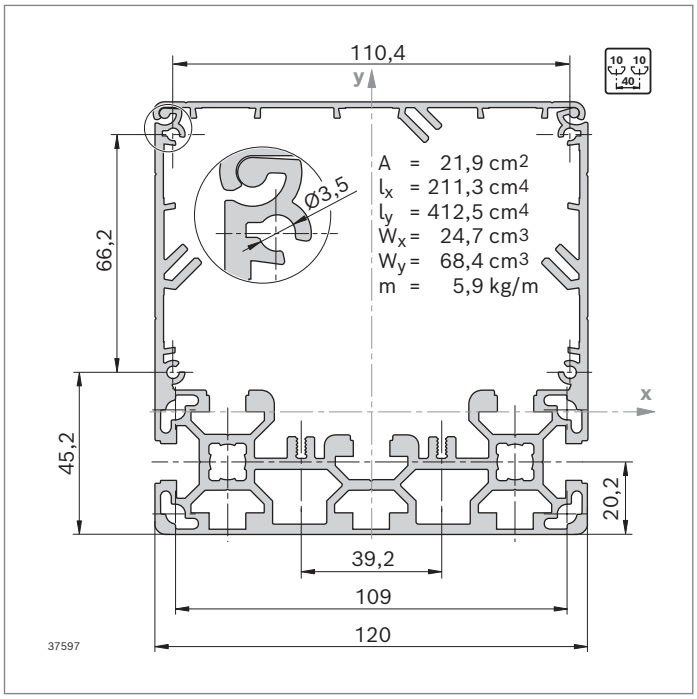
- Self-tapping screw (**3 842 552 267**) to secure the cover
- Potential equalizer line (**3 842 552 234**, p. 2-117)



Usable interior space: 600 mm²

60x120			L (mm)	No.
1 pc			100 ... 6070	**3 842 996 361**
1 pc	M12		100 ... 6000	**3 842 996 364**
1 pc	M12	M12	110 ... 6000	**3 842 996 365**
10 pcs			6070	**3 842 558 242**

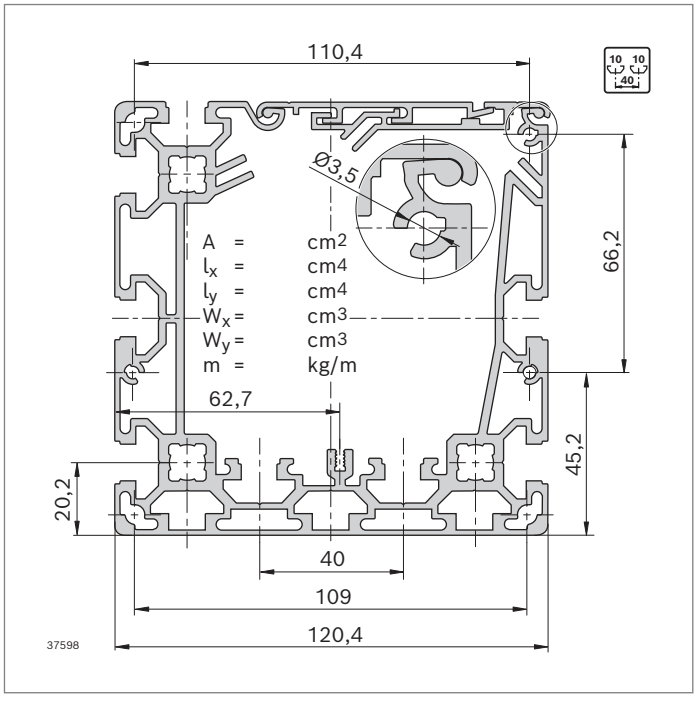
Profile finishing: M12: in all core holes



Usable interior space: 4000 mm²

120x120		L (mm)	No.
1 pc		100 ... 6070	**3 842 996 360**
1 pc	M12	100 ... 6000	**3 842 996 366**
1 pc	M12 M12	110 ... 6000	**3 842 996 367**
4 pcs		6070	**3 842 558 241**

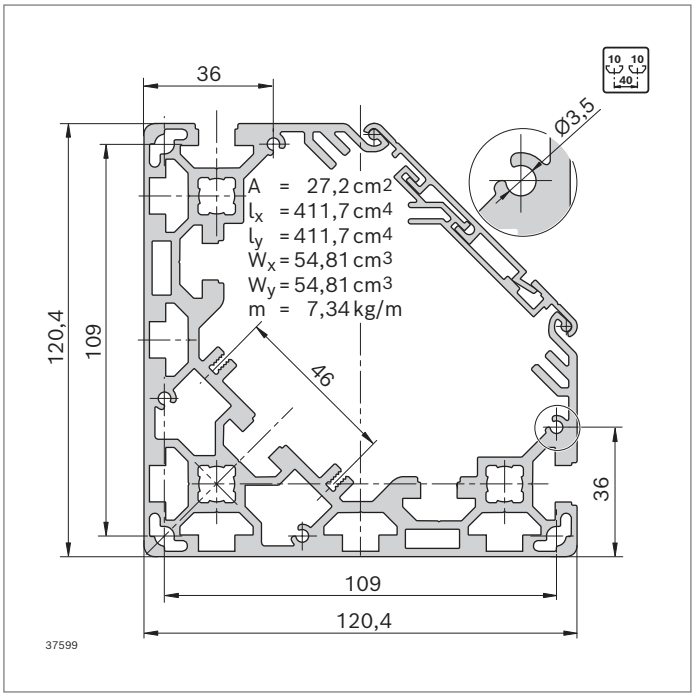
Profile finishing: M12: in all core holes



Usable interior space: 4600 mm²

120x120 6N		L (mm)	No.
1 pc		100 ... 6070	**3 842 994 039**
1 pc	M12	100 ... 6000	**3 842 994 054**
1 pc	M12 M12	110 ... 6000	**3 842 994 059**
4 pcs		6070	**3 842 558 190**

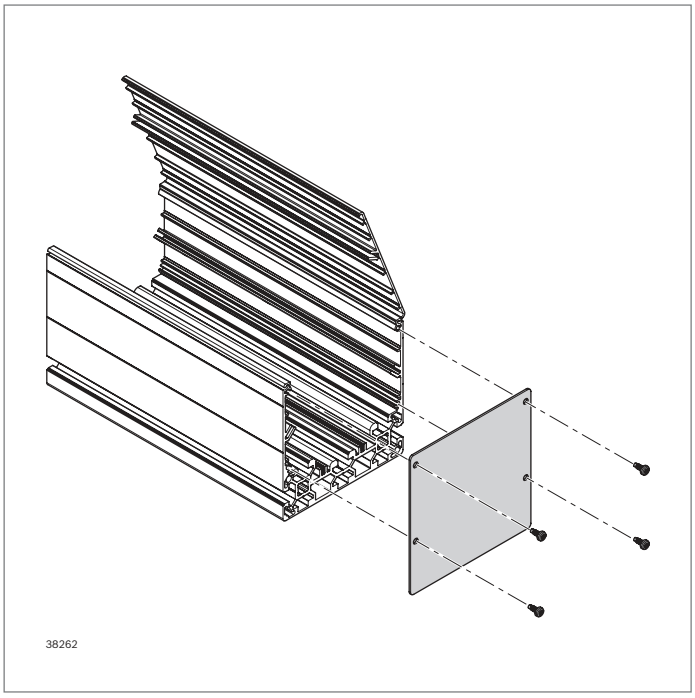
Profile finishing: M12: in all core holes



Usable interior space: 3200 mm²

40x120x120		L (mm)	No.
1 pc		100 ... 6070	**3 842 996 362**
1 pc	M12	100 ... 6000	**3 842 996 368**
1 pc	M12 M12	110 ... 6000	**3 842 996 369**
4 pcs		6070	**3 842 558 243**

Profile finishing: M12: in all core holes

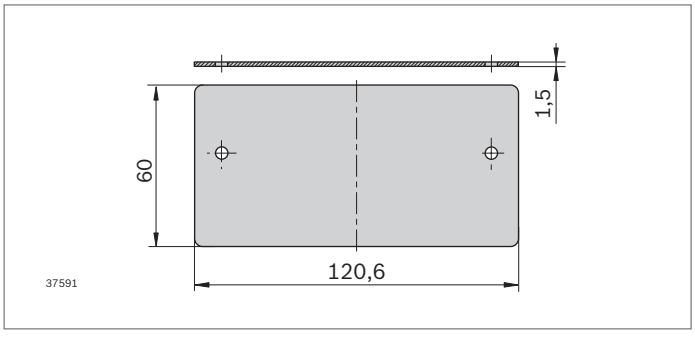


Cover plate

- Closes cable guide profiles at the front
- Surface anodized
- Fastened securely with screws

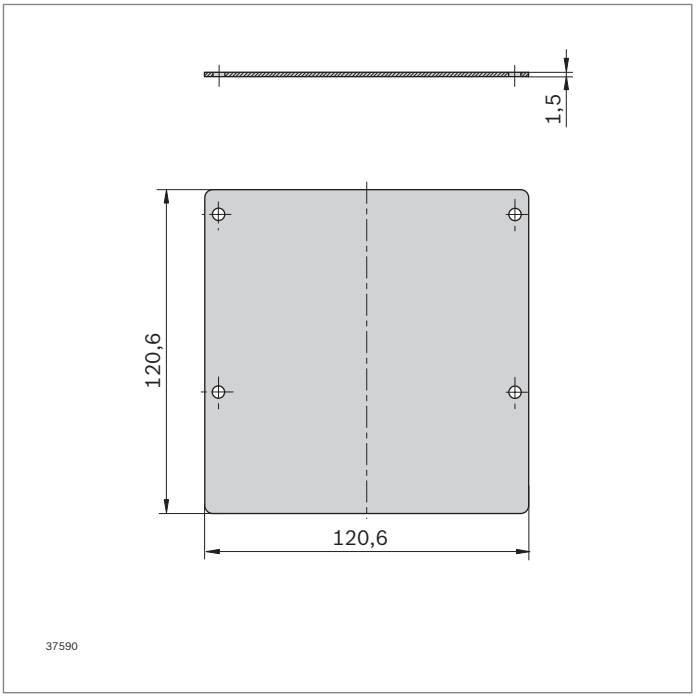
FS1

DIN7500-PE
M4x8



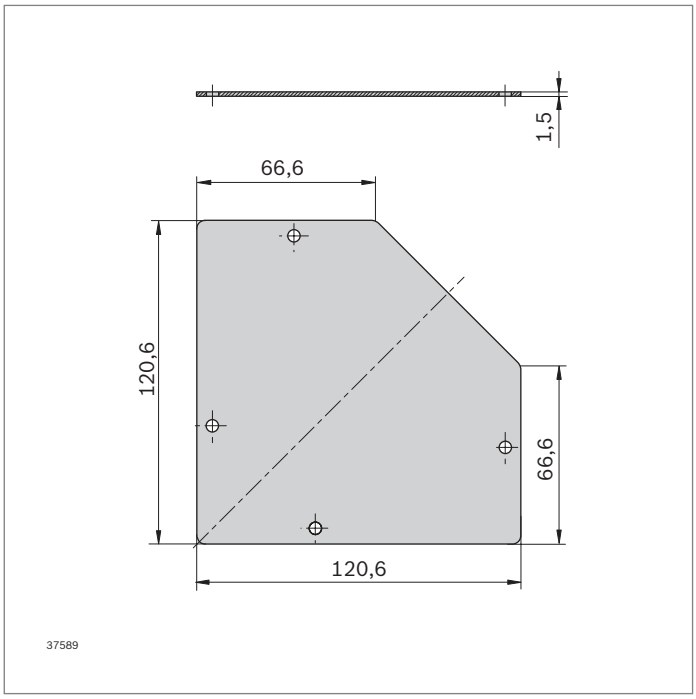
- For cable guide profile 60x120

Cover plate	ESD		No.	FS
60x120		10	**3 842 558 233**	2x FS1
Material:	Cover plate: Aluminum sheet, anodized Fastening material: Steel; zinc-plated			
Scope of delivery:	Incl. fastening material (FS)			



- For cable guide profile 120x120 6N (3 screw holes can be used for mounting) and 120x120

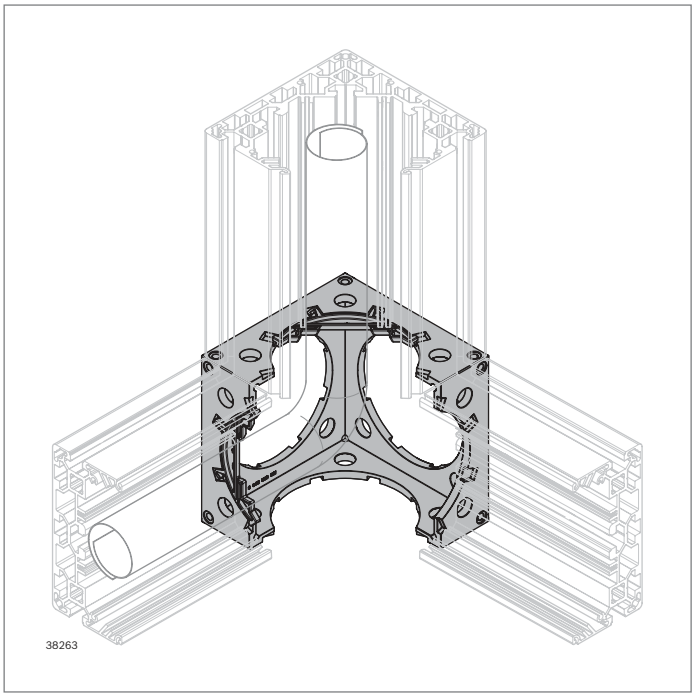
Cover plate	ESD		No.	FS
120x120		10	**3 842 558 229**	4x FS1
Material:	Cover plate: Aluminum sheet, anodized Fastening material: Steel; zinc-plated			
Scope of delivery:	Incl. fastening material (FS)			



▶ For cable guide profile 40x120x120

Cover plate	ESD		No.	FS
40x120x120		10	**3 842 558 228**	4x FS1

Material:	Cover plate: Aluminum sheet, anodized Fastening material: Steel; zinc-plated
Scope of delivery:	Incl. fastening material (FS)

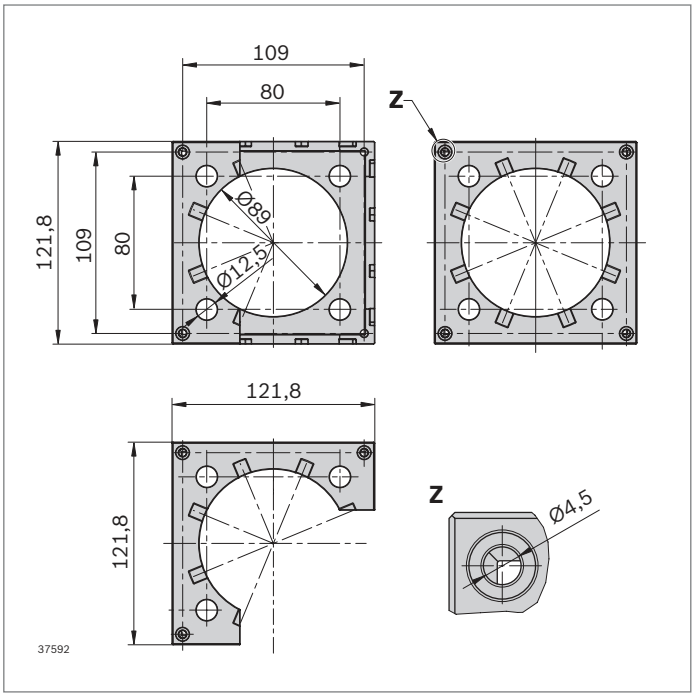


Profile joints 3/4 and 1/2
Positioning pin
Edge protector

- For connecting cable guide profiles or standard profiles 40x120 or 40x120 5N
- High strength and stability
- Implementation of protected cable branches
- Screw connection with central bolt M12 (recommended) or S12

Required accessories:
- Positioning pin to facilitate assembly
- Central bolt M12x30-T50 (**3 842 530 235**)/ S12x30-T50 (**3 842 530 236**) for fastening the profile joints (see MGE catalog, page 3-41)

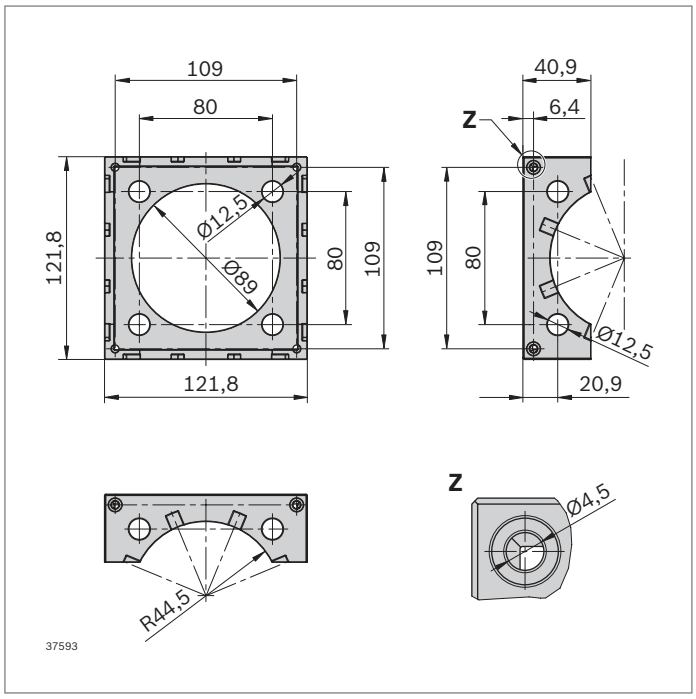
Accessories, optional:
- Edge protector to cover sharp edges
- Cover cap for closing openings



Profile joint 3/4		ESD*)	No.
120x120-3/4	1		**3 842 558 501**

Material:	Diecast aluminum; coated, signal gray RAL 7004
*) ESD:	A conductive connection between the profiles is established via the fastening screws. However, the surface of the profile joints is not ESD-conductive.

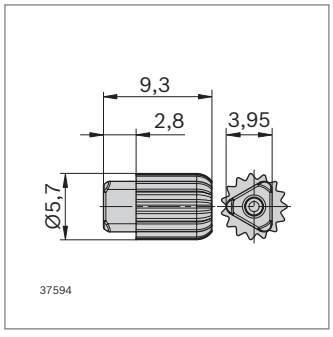
Accessories, optional:
- Connection bracket for covering sharp edges and for fastening cover caps
- Cover caps



Profile joint 1/2			No.
120x120-1/2		1	**3 842 558 246**
Material:	Diecast aluminum; coated, signal gray RAL 7004		

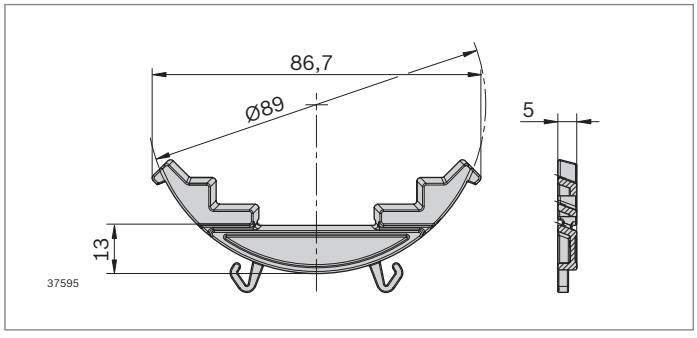
Accessories, optional:

- Spacer for fixing cover caps
- Cover caps



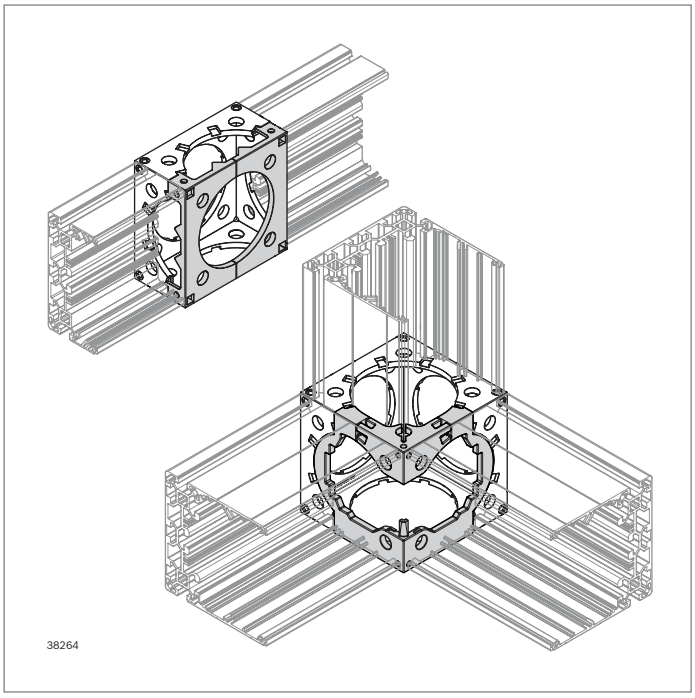
- Positioning aid to facilitate assembly
- Use for the combinations of profile joint/profile, profile joint/base plate, base plate/profile

Positioning pin			No.
D=5.7		20	**3 842 558 487**
Material:	PP; signal gray RAL 7004		



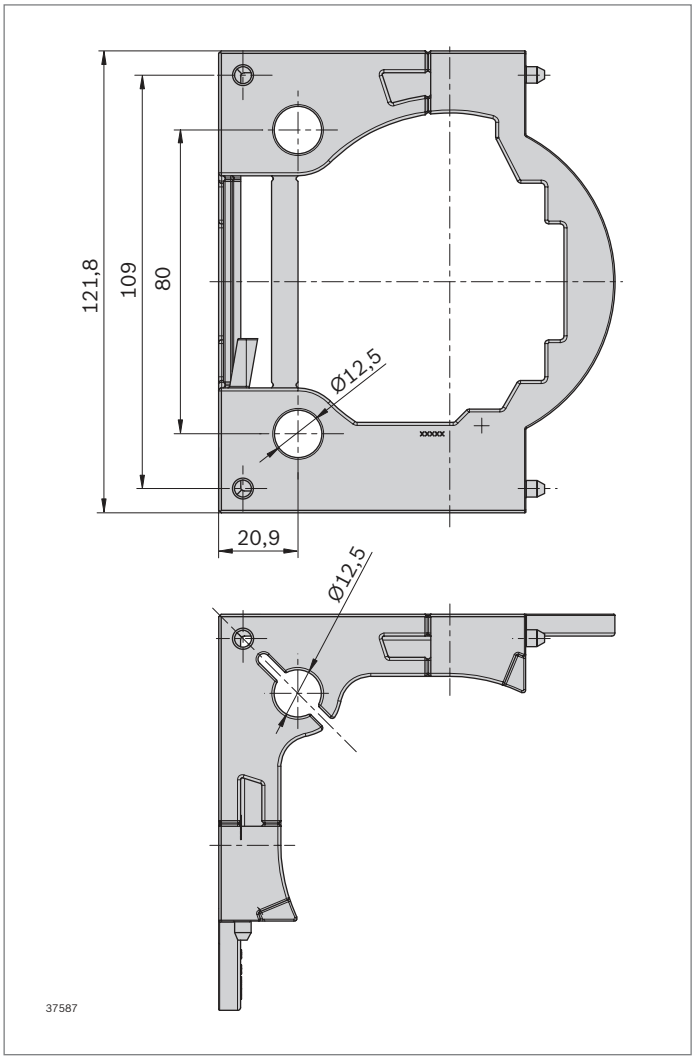
- Optimum protection for cables with sharp-edged transition between profile joint and cable guide profile
- Can be retrofitted
- Fastening via snap lock

Edge protector	Color	ESD		No.
120x120	Signal gray		10	**3 842 558 485**
120x120	Black		10	**3 842 558 249**
Material:	PP			



Connection bracket
Spacers

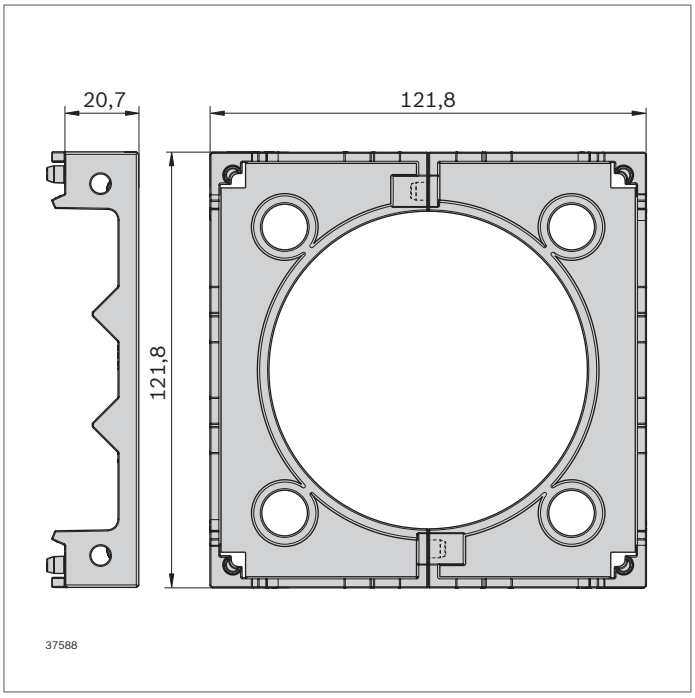
- Enables the mounting of cover caps on profile joints
- Edge protector for safe cable routing



Connection bracket

- Closes profile joint 3/4 via residual function for safe cable laying
- Edge protector included

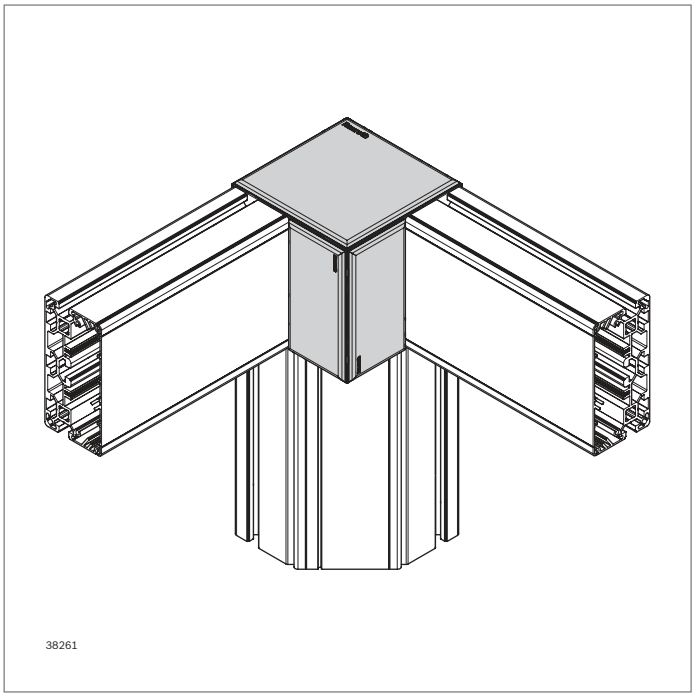
Connection bracket		No.
CGP 120x120	2	**3 842 558 473**
Material:	PP; signal gray RAL 7004	



Spacers

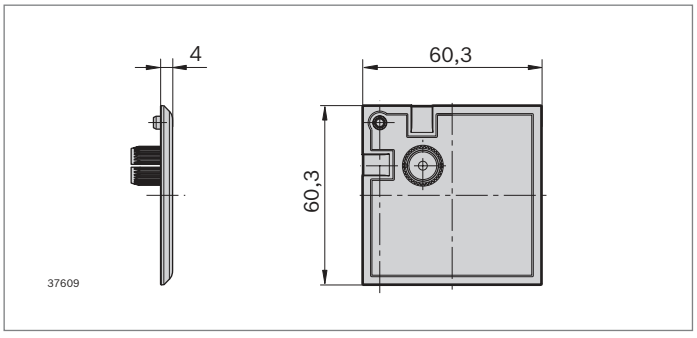
- Running cables at a profile joint 1/2
- 2 parts for easy assembly

Spacers		No.
20x120	5	**3 842 558 502**
Material:	PP; signal gray RAL 7004	



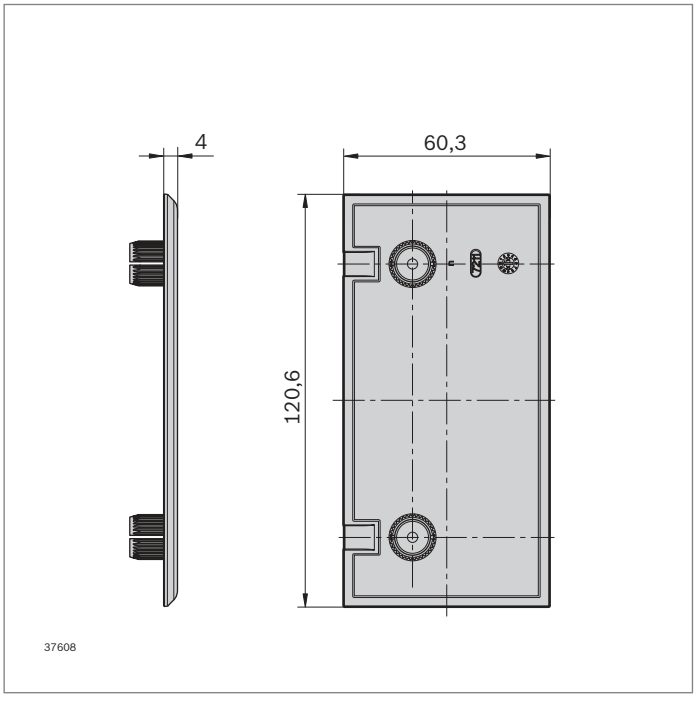
Cover caps

- For closing the profile joints and profile butt joints in various application combinations



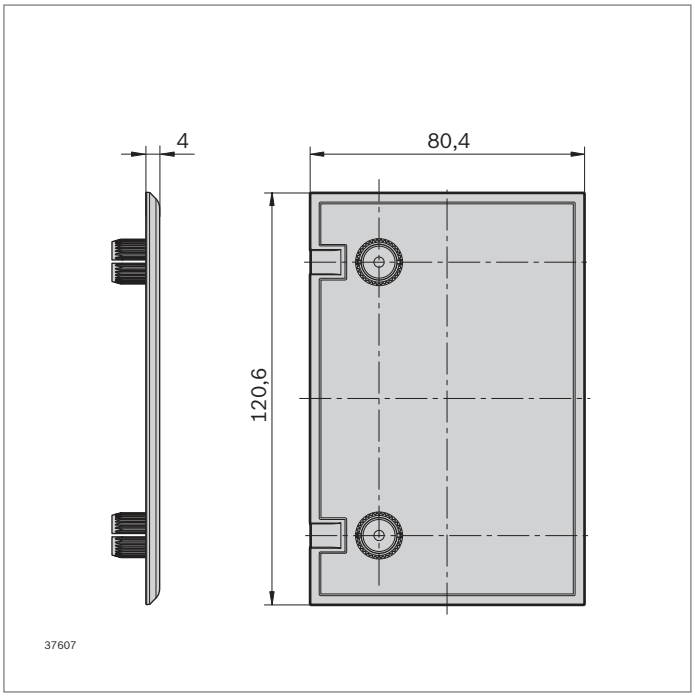
- For profile joint 3/4 and cable guide profile 60x120 without connection bracket

Cover cap	Color	ESD		No.
60x60	Signal gray		10	**3 842 558 474**
60x60	Black		10	**3 842 558 494**
Material:	PP			



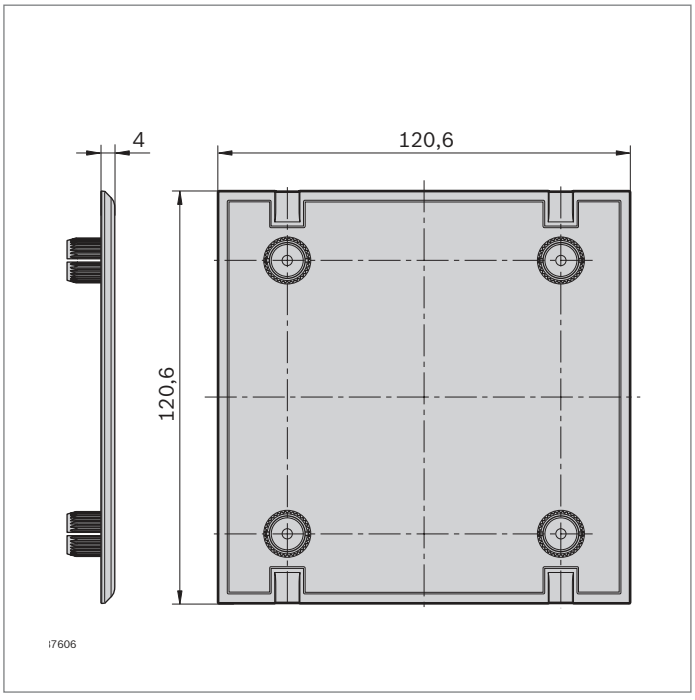
- For profile joint 3/4 or 1/2 in conjunction with cable guide profile 60x120 or base plate 60x120

Cover cap	Color	ESD		No.
60x120	Signal gray		10	**3 842 558 475**
60x120	Black		10	**3 842 558 495**
Material:	PP			



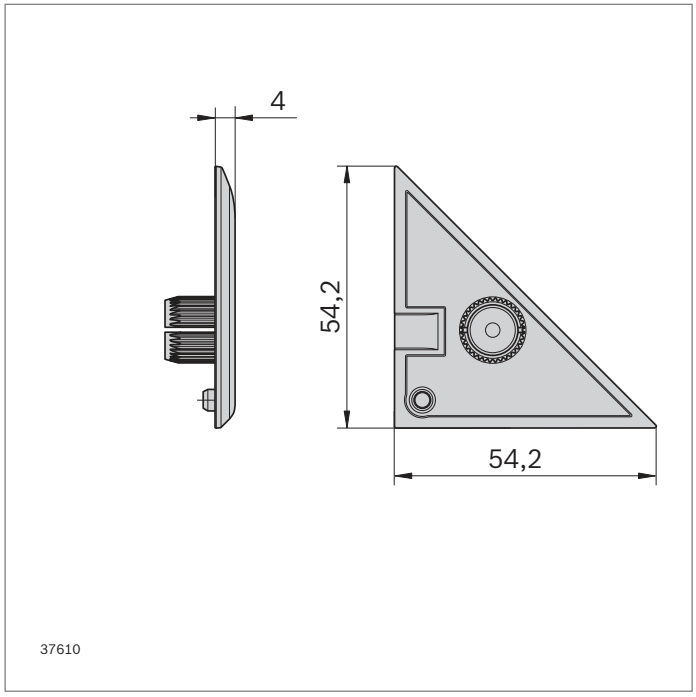
▶ For profile joint 3/4 or 1/2 in conjunction with strut profile 40x120

Cover cap	Color	ESD		No.
80x120	Signal gray		10	**3 842 558 476**
80x120	Black	⚠	10	**3 842 558 496**
Material:	PP			



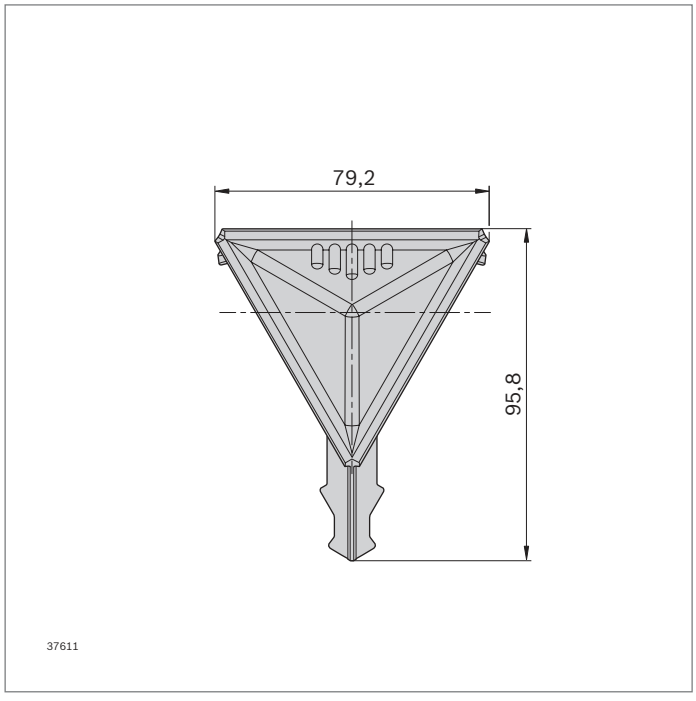
▶ For profile joints 3/4 and 1/2

Cover cap	Color	ESD		No.
120x120	Signal gray		10	**3 842 558 477**
120x120	Black	⚠	10	**3 842 558 497**
Material:	PP			



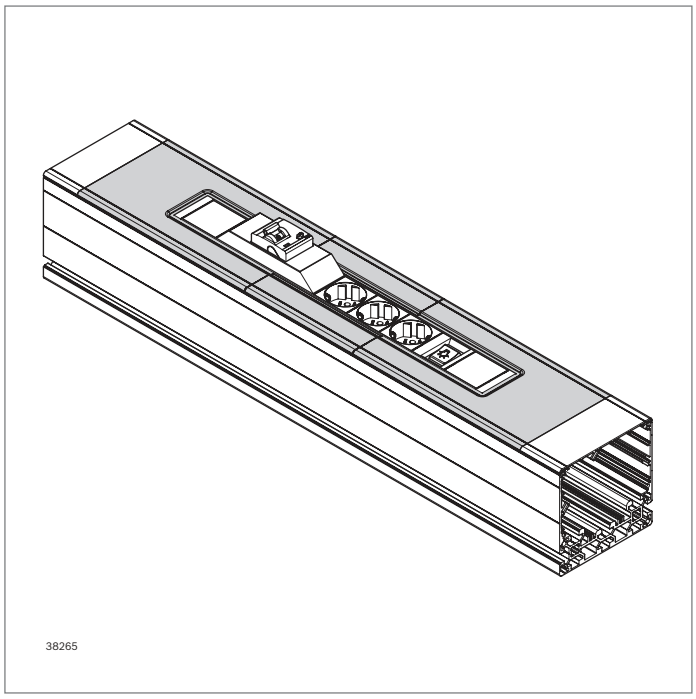
- For connecting corner profile 40x120x120 and profile joint or base plate 40x120x120

Cover cap	Color	ESD		No.
80 Triangle	Signal gray		10	**3 842 558 479**
80 Triangle	Black		10	**3 842 558 499**
Material:	PP			



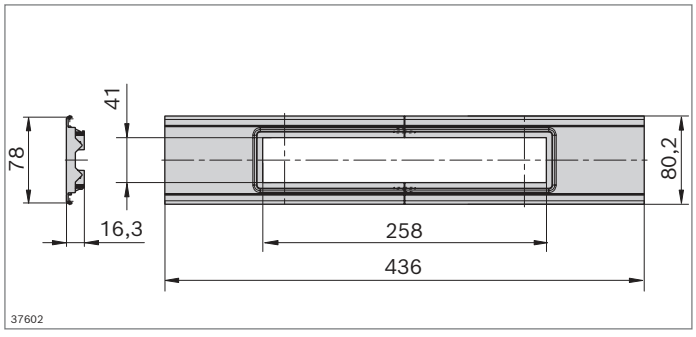
- For butt joints of 3x corner profile 40x120x120

Cover cap	Color	ESD		No.
80x80x80	Signal gray		10	**3 842 558 478**
80x80x80	Black		10	**3 842 558 498**
Material:	PP			



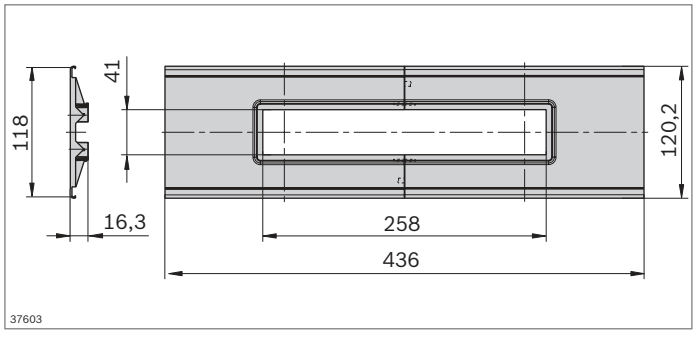
Cover
Cover rail

- Closes the opening gap of installed socket strips in cable guide profiles
- For socket strips with 263 mm or 404 mm length (with extension)
- Compatible with socket strips from the MPS range (see the Manual Production Systems catalog)
- Socket covers can be extended with the cover rails



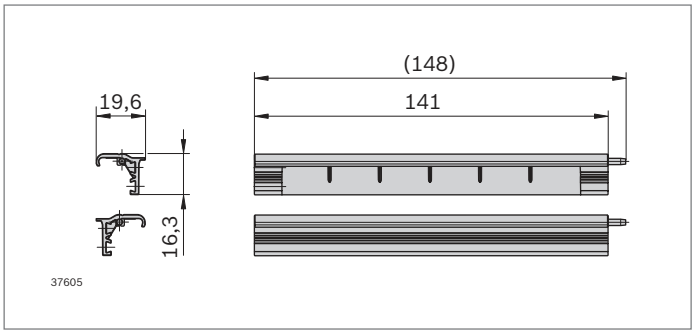
- For installation in cable guide profiles 40x120x120 and 120x120 6N

Cover	Color	ESD		No.
80	Signal gray		10	**3 842 558 507**
80	Black		10	**3 842 558 506**
Material:	PP			



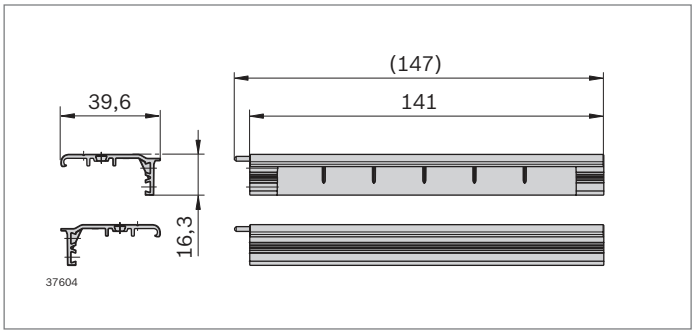
- For installation in cable routing profiles 60x120 and 120x120

Cover	Color	ESD		No.
120	Signal gray		10	**3 842 558 509**
120	Black		10	**3 842 558 508**
Material:	PP			



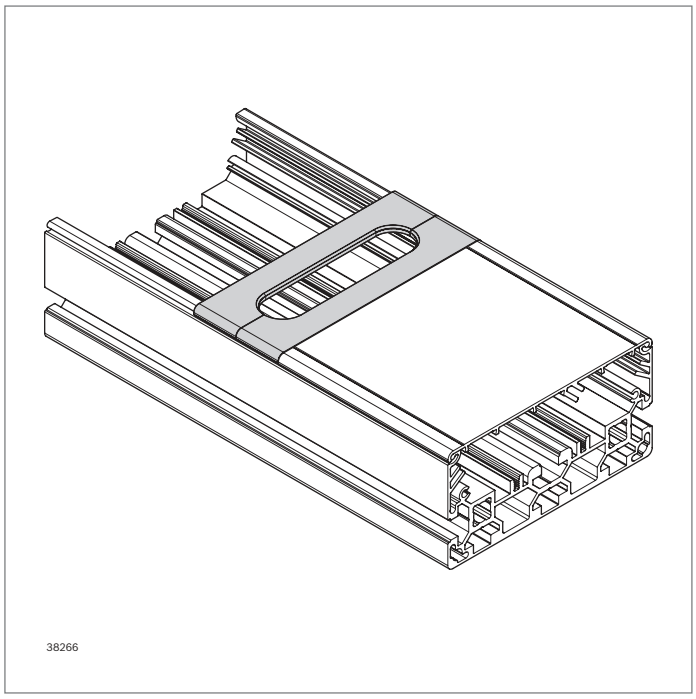
- For installation in cable guide profiles 40x120x120 and 120x120 6N
- Cover rail consists of 2 half shells

Cover rail	Color	ESD		No.
80	Signal gray		10	**3 842 558 511**
80	Black		10	**3 842 558 510**
Material:	PP			



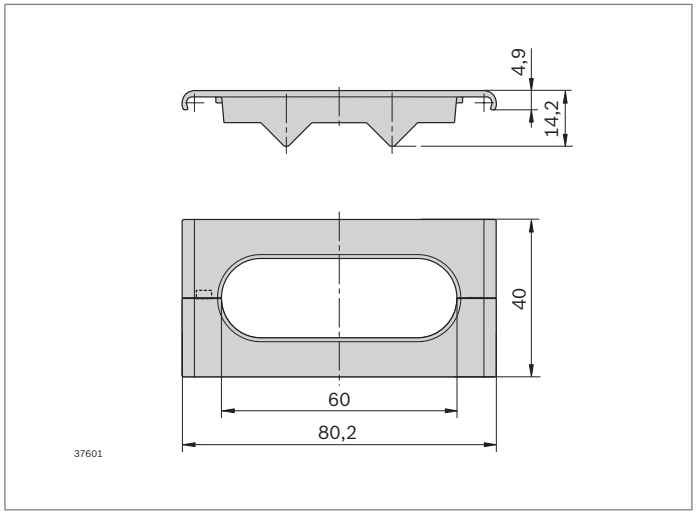
- For installation in cable routing profiles 60x120 and 120x120
- Cover rail consists of 2 half shells

Cover rail	Color	ESD		No.
120	Signal gray		10	**3 842 558 513**
120	Black		10	**3 842 558 512**
Material:	PP			



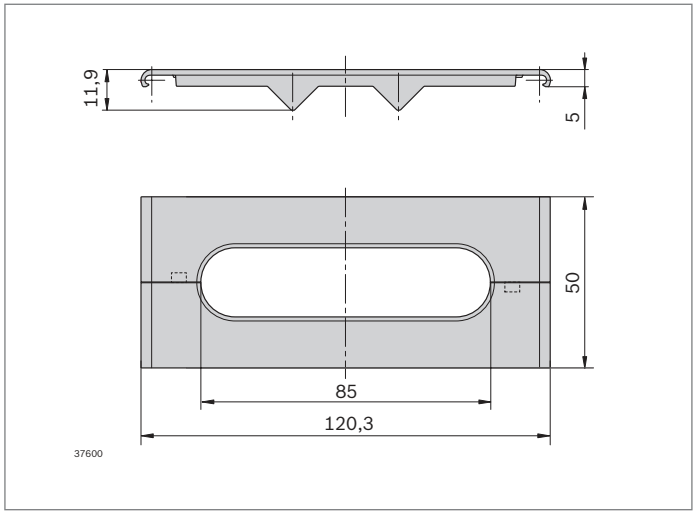
Cable hole

- For passing cables through the cover of a cable guide profile



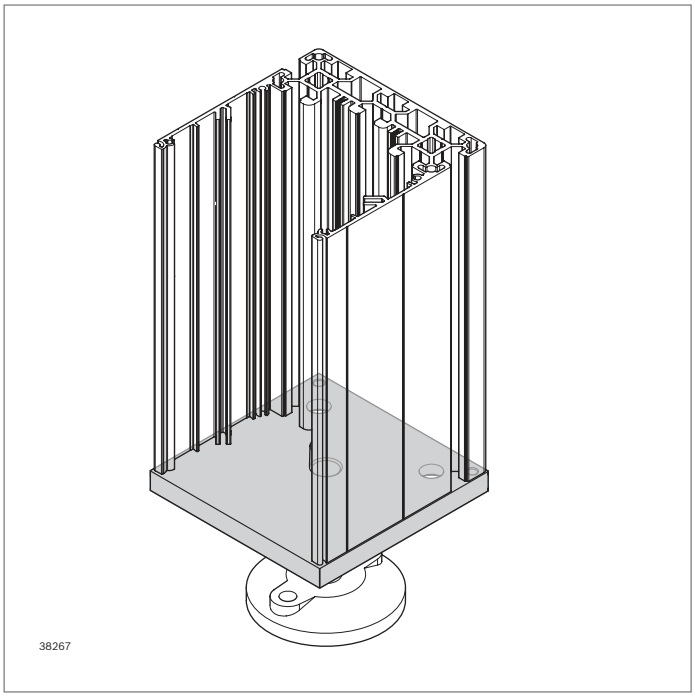
- For installation in cable guide profiles 40x120x120 and 120x120 6N

Cable hole	Color	ESD		No.
80	Signal gray		10	**3 842 558 212**
80	Black		10	**3 842 558 503**
Material: PP				



- For installation in cable routing profiles 60x120 and 120x120

Cable hole	Color	ESD		No.
120	Signal gray		10	**3 842 558 505**
120	Black		10	**3 842 558 250**
Material: PP				

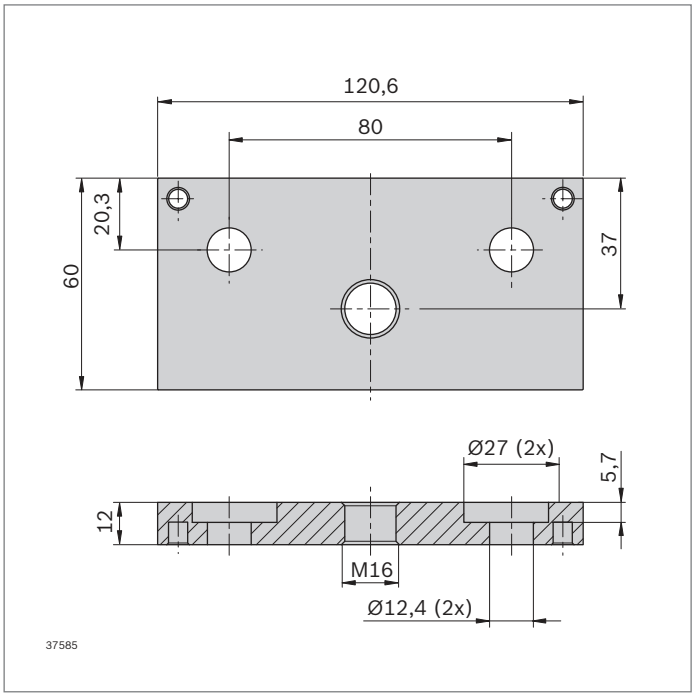


Base plate

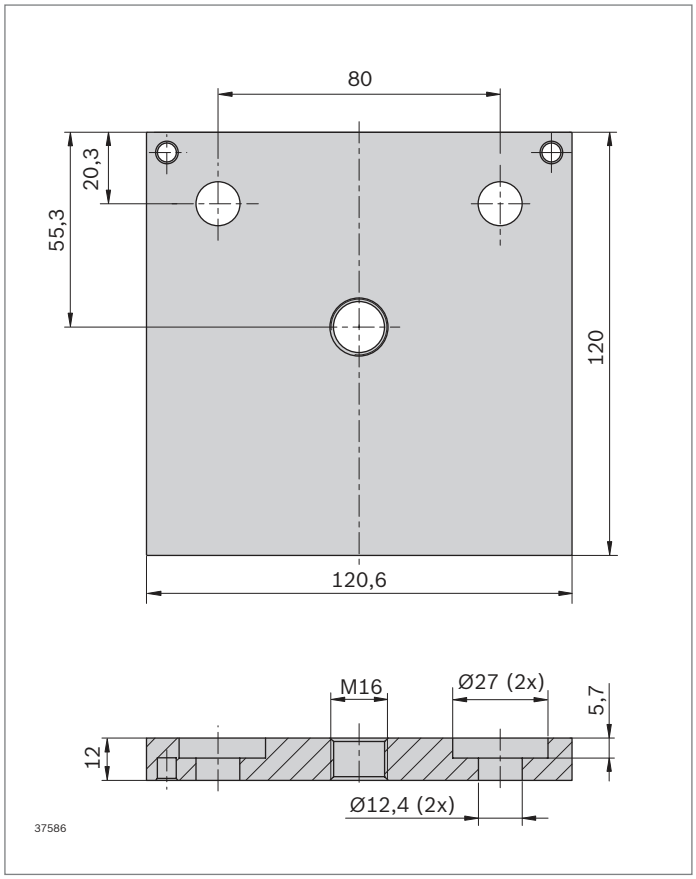
- Screw-on plate for supports or castor wheels
- Suitable for mounting on profile joints or cable guide profile

Required accessories:

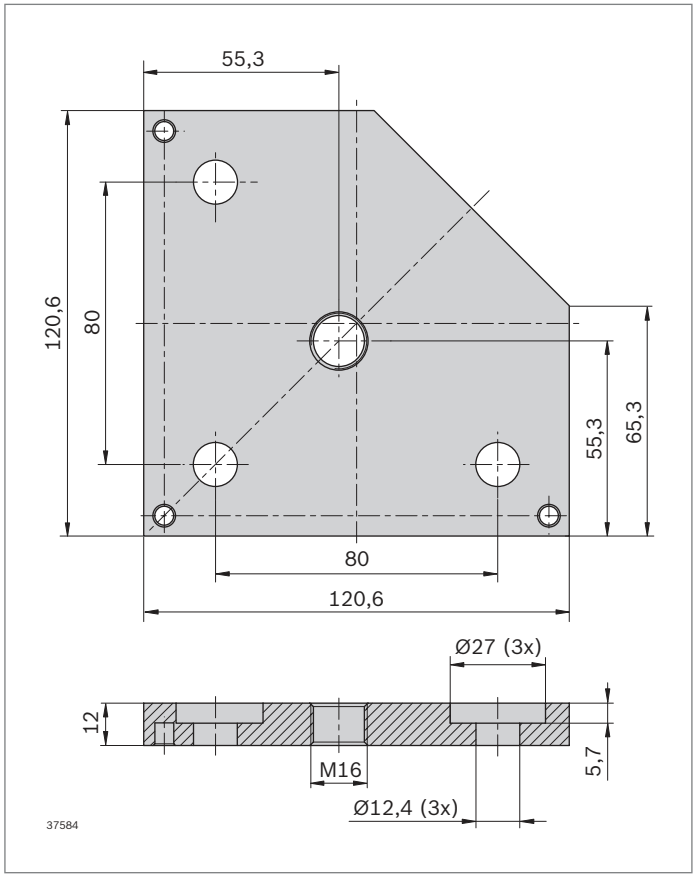
- Central bolt M12x30 or S12x30 (for fastening in the central hole)
- Central bolt M12x30, hexagon nut ISO 4035 M12 (for fastening at profile joint)
- Positioning pin (**3 842 558 487**, p. 2-106) to facilitate installation



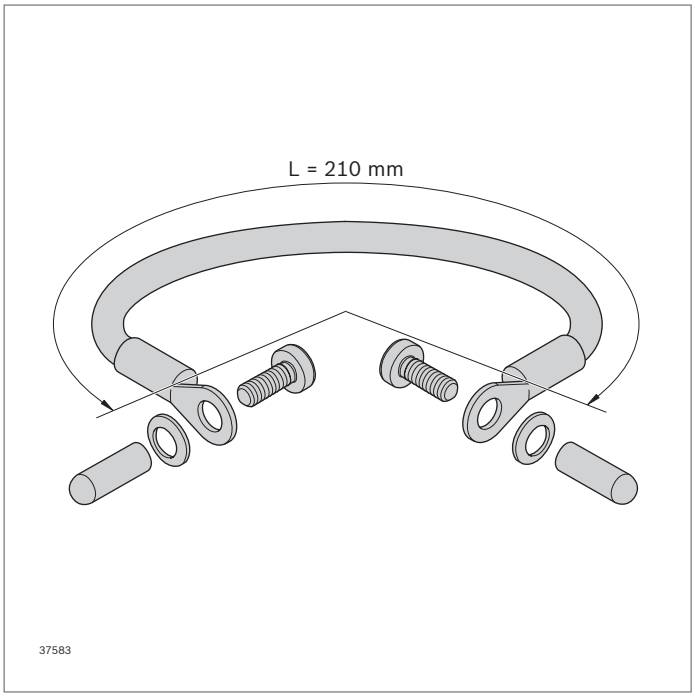
Base plate		ESD	No.
60x120		⊛	**3 842 558 218**
Material:	Steel; zinc-plated		



Base plate	ESD	No.
120x120	⏚	**3 842 558 220**
Material:	Steel; zinc-plated	



Base plate	ESD	No.
40x120x120	⏚	**3 842 558 226**
Material:	Steel; zinc-plated	



Potential equalizer line

- For proper grounding of the cable guide profiles

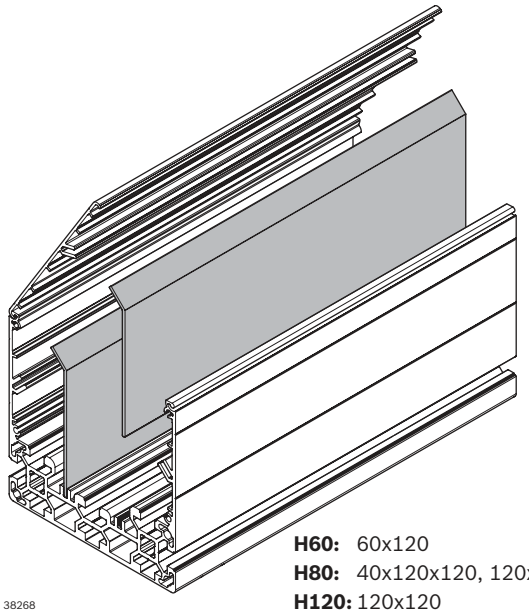
Potential equalizer line		No.
		3 842 552 234
Material:	Cable: plastic-coated Fastening material: Steel; zinc-plated	



Protective hose

- Cable protection conduit with Velcro fastener
- Bundle diameter up to max. 38 mm

Protective hose	**L** (mm)	No.
	3000	**3 842 558 248**
Material:	PET; black	

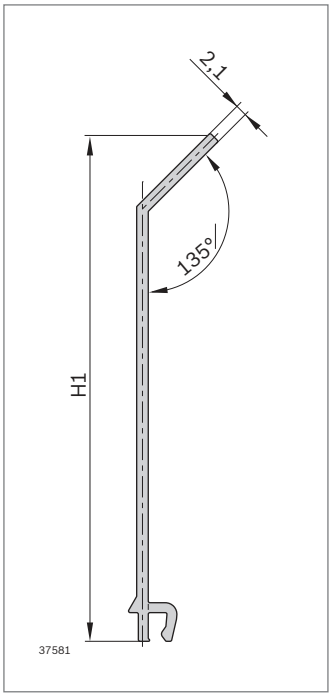


38268

H60: 60x120
H80: 40x120x120, 120x120 6N
H120: 120x120

Dividing strip

- Divides the cable guide profile into 2 or 3 chambers for routing different cable types (power/data cables etc.)
- Push-in installation
- The angled ends of the dividing strips keep the cables in the intended chamber even in a horizontal installation position



Dividing strip	H1 (mm)	L (mm)		No.
H60	30	3000	10	**3 842 558 245**
H80	68	3000	10	**3 842 558 222**
H120	90	3000	10	**3 842 558 244**
Material:	PVC; signal gray			