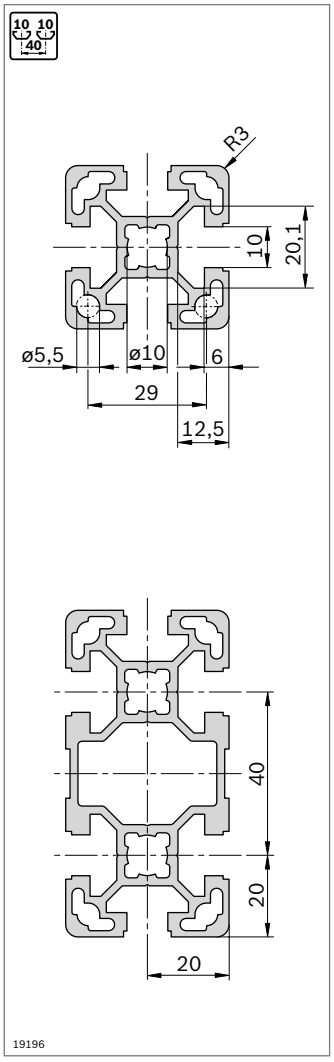
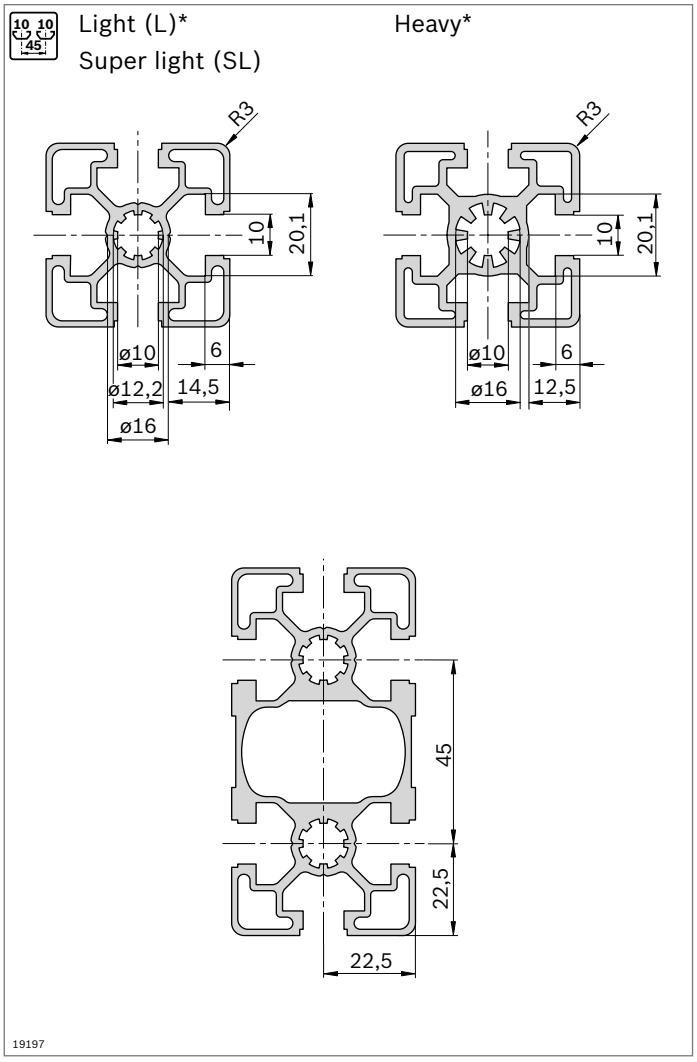
Strut profiles with 10 mm slot

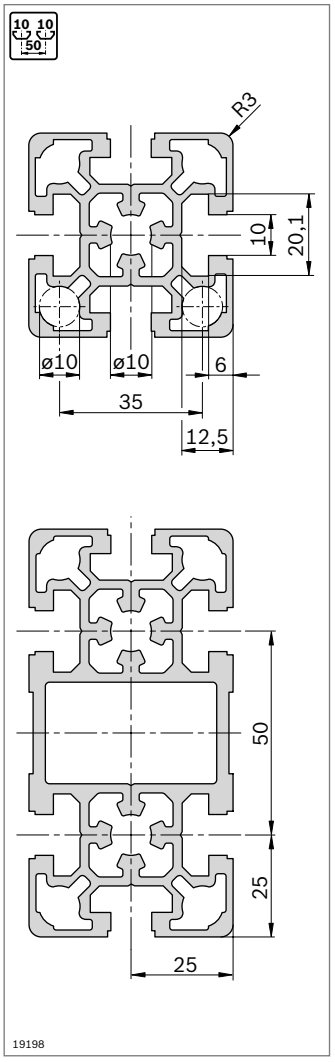
The Rexroth modular profile system, with 10 mm slots in the modular dimensions 40 mm, 45 mm, 50 mm, and 60 mm, covers all conventional profile dimensions on the world market.

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 enclosures 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

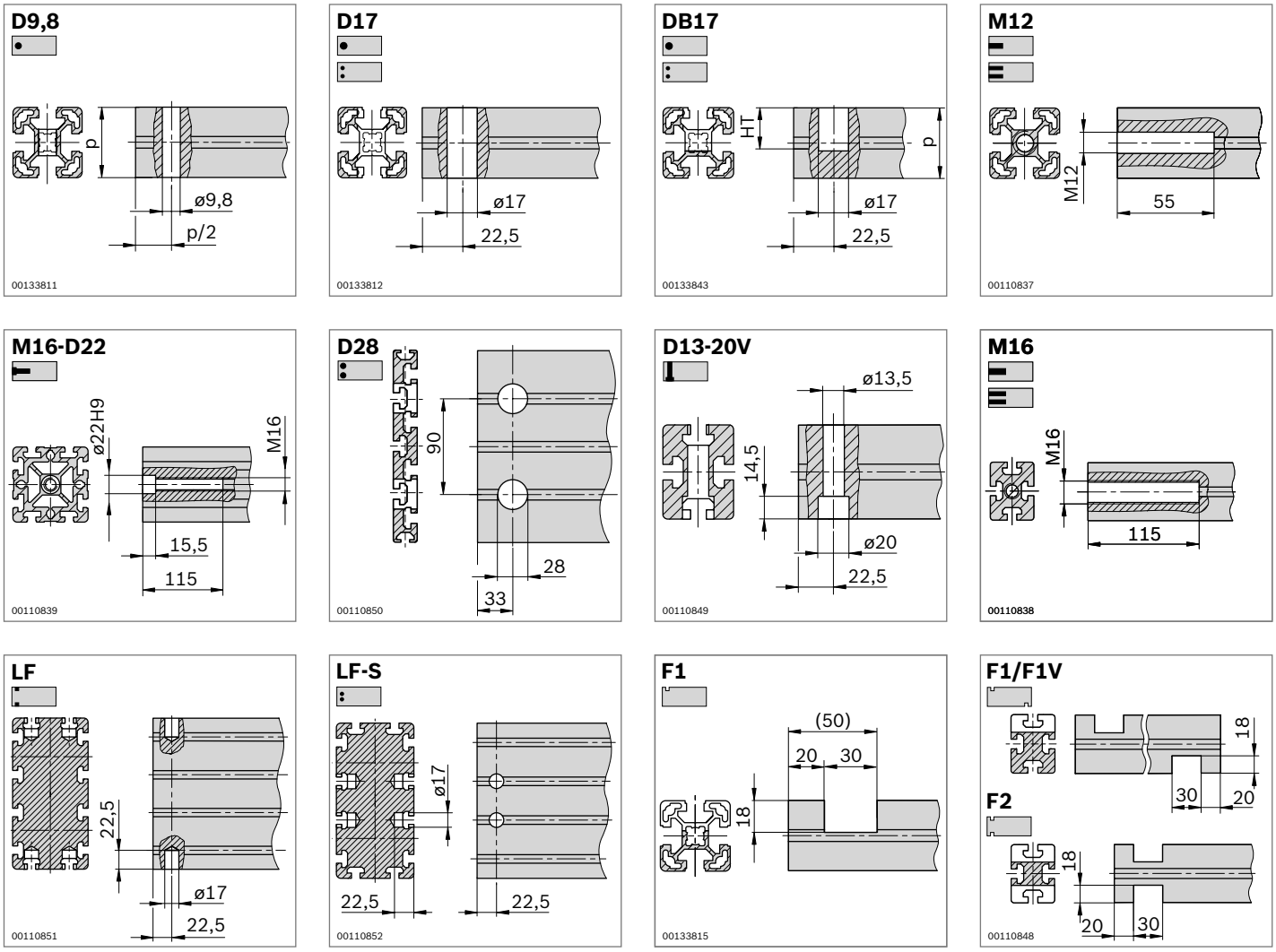
Minimum profile lengths (mm) for Quick & Easy standard profile finishes on one or both sides

	–	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.

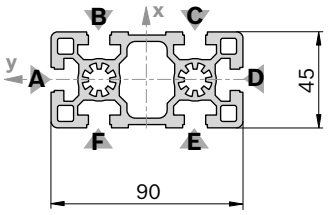
Due to its very sturdy design, this slot allows maximum strength connections.

Profile finishing



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



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Cap	Color	ESD		No.
45x90 (1x)	Signal gray		20	**3 842 548 756**
45x90 (1x)	Black	⚠	20	**3 842 548 757**
Material:	PP			

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 ... 5600	**3 842 990 300 / L**
1 pc	M12	60 ... 5600	**3 842 990 301 / L**
1 pc	M12 M12	110 ... 5600	**3 842 990 302 / L**
1 pc	M12 D17	90 ... 5600	**3 842 990 323 / L**
1 pc	M12 D17V	90 ... 5600	**3 842 990 305 / L**
1 pc	M16	120 ... 5600	**3 842 990 303 / L**
1 pc	M16 M16	240 ... 5600	**3 842 990 304 / L**
1 pc	M16 D17	170 ... 5600	**3 842 990 325 / L**
1 pc	M16 D17V	170 ... 5600	**3 842 990 307 / L**
1 pc	D17	60 ... 5600	**3 842 990 329 / L**
1 pc	D17 D17	80 ... 5600	**3 842 990 313 / L**
1 pc	D17 D17V	90 ... 5600	**3 842 990 311 / L**
1 pc	D17V	60 ... 5600	**3 842 990 331 / L**
1 pc	D17V D17V	90 ... 5600	**3 842 990 309 / L**
12 pcs		5600	**3 842 509 186**

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

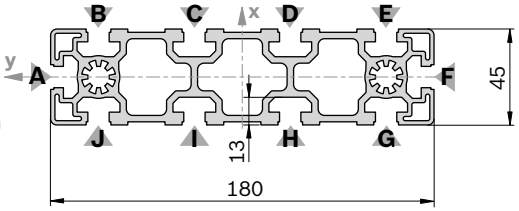
Quick & Easy (p. 2-8, see fold-out section)

45x90	3 842 993 661 / ...
Length L (mm)	50 ... 5600
Standard profile finishes (note minimum length, p. 2-25)	M12 / M16 / D9.8 / D17 / DB17 / F1 (A,D)[1]
Individual profile finishes (L_{max} = 4900 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



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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 ... 5600	**3 842 990 335 / L**
1 pc	M12	60 ... 5600	**3 842 990 336 / L**
1 pc	M12 M12	110 ... 5600	**3 842 990 339 / L**
1 pc	D17 D17	80 ... 5600	**3 842 990 342 / L**
1 pc	D17V D17V	90 ... 5600	**3 842 990 344 / L**
6 pcs		5600	**3 842 509 187**

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 ... 5600
Standard profile finishes (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]
Individual profile finishes (L_{max} = 4900 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