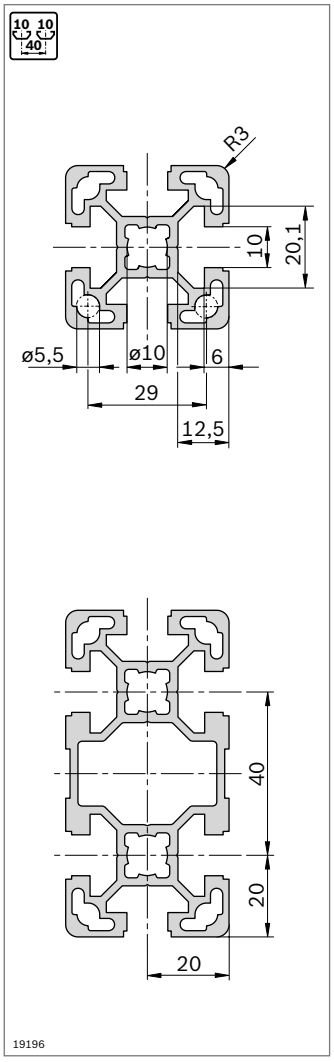
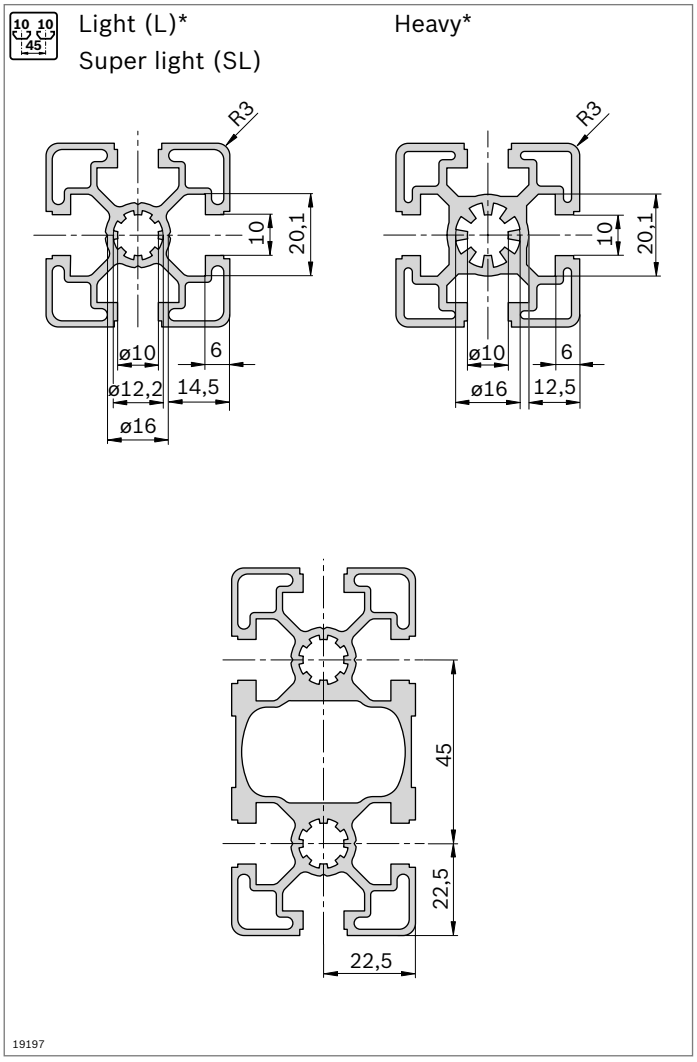
Strut profiles with 10 mm slot

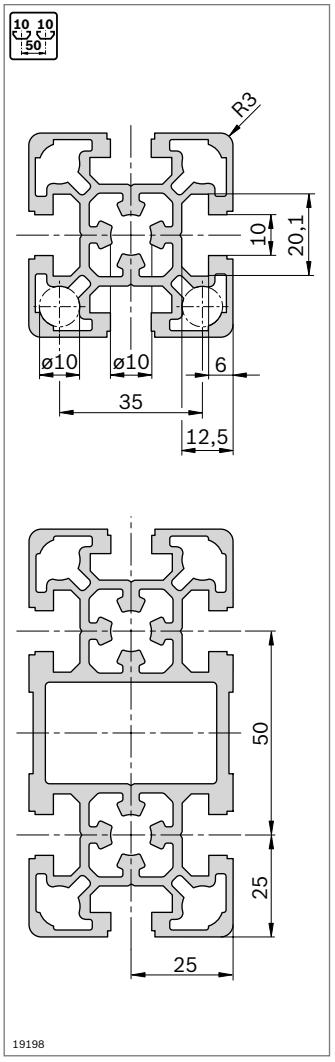
The Rexroth modular profile system, with 10 mm slots in the modular dimensions 40 mm, 45 mm, 50 mm, and 60 mm, covers all conventional profile dimensions on the world market.

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

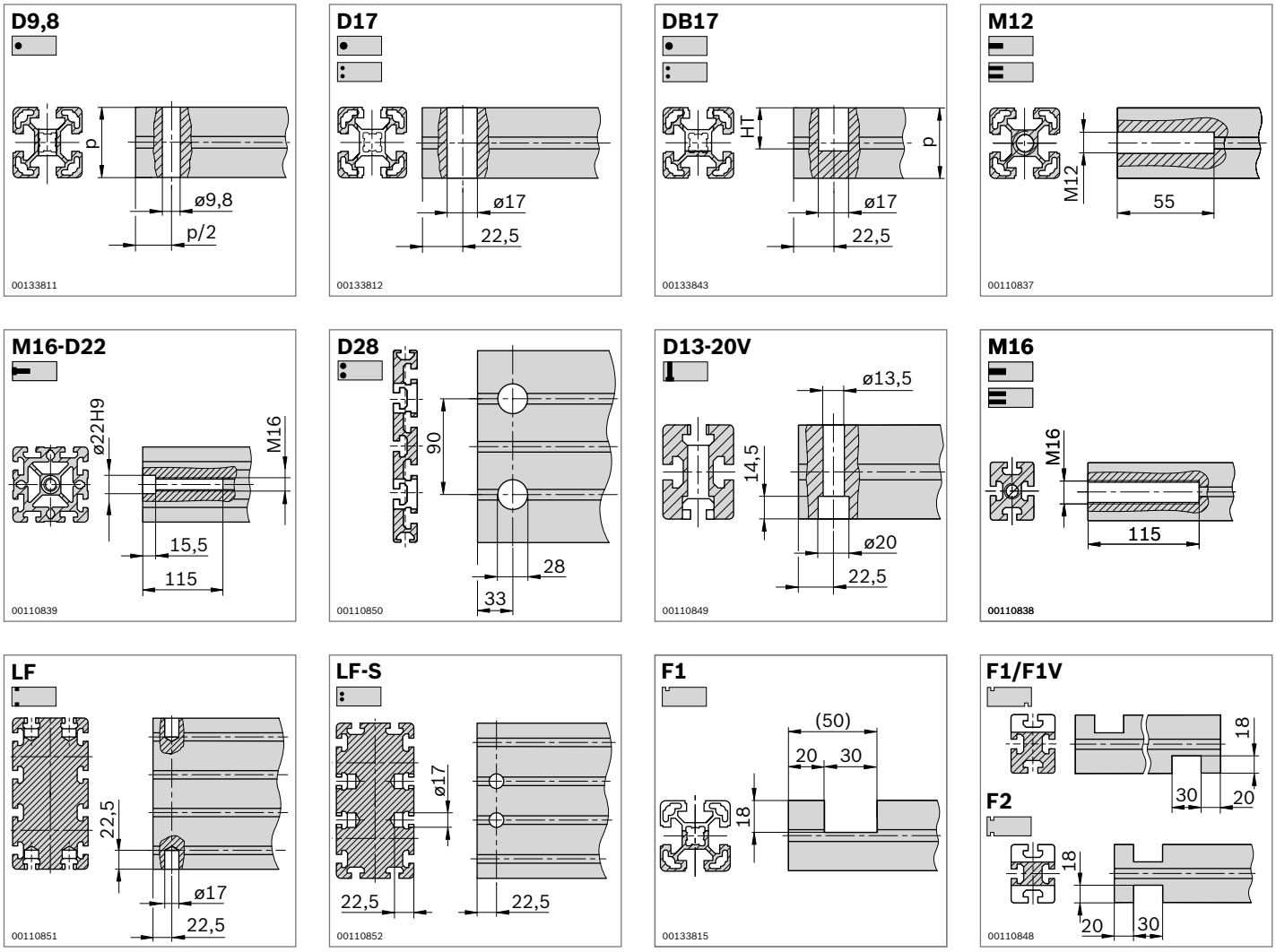
Minimum profile lengths (mm) for Quick & Easy standard profile finishes on one or both sides

	–	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.

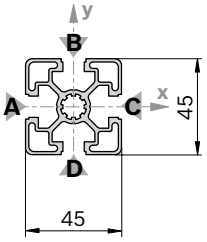
Due to its very sturdy design, this slot allows maximum strength connections.

Profile finishing



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



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45x45L		L (mm)	No.
	1 pc	50 ... 5600	**3 842 992 425 / L**
	1 pc M12	60 ... 5600	**3 842 992 426 / L**
	1 pc M12 M12	110 ... 5600	**3 842 992 427 / L**
	1 pc M12 D17	90 ... 5600	**3 842 992 960 / L**
	1 pc D9,8 D9,8	80 ... 5600	**3 842 992 967 / L**
	1 pc D17	60 ... 5600	**3 842 992 953 / L**
	1 pc D17 D17	80 ... 5600	**3 842 992 954 / L**
	1 pc D17 D17V	80 ... 5600	**3 842 992 956 / L**
	20 pcs	5600	**3 842 511 702**

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

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			

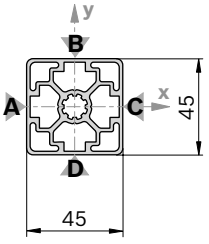
Quick & Easy (p. 2-8, see fold-out section)

45x45L	3 842 993 737 / ...
Length L (mm)	50 ... 5600
Standard profile finishes (note minimum length, p. 2-25)	M12 / D9,8 / D17 / DB17 / F1 (A)[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} = 378 / 456 mm

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



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Cap: see 45x45

45x45L 0N	L (mm)	No.
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 ... 6000
Standard profile finishes (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Individual profile finishes (L_{max} = 5400 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

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