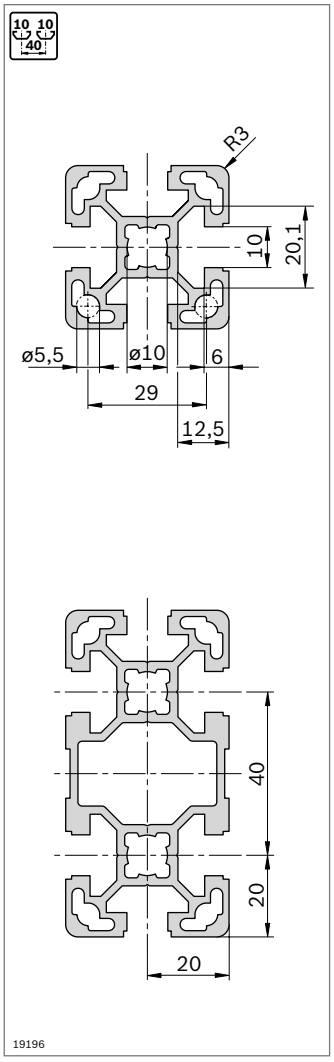
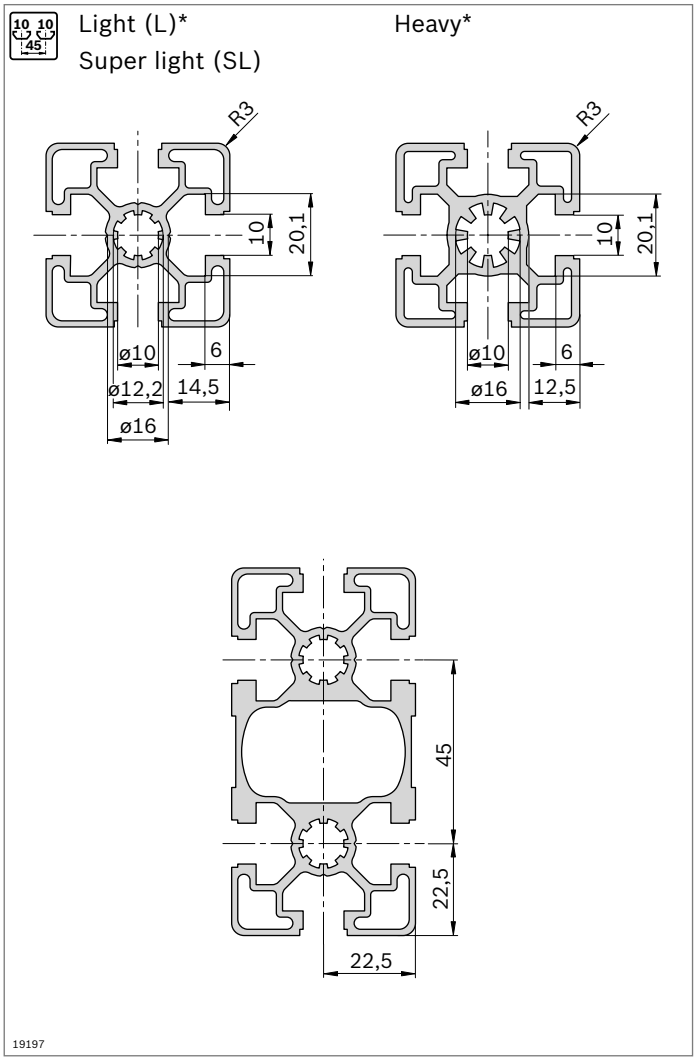
Strut profiles with 10 mm slot

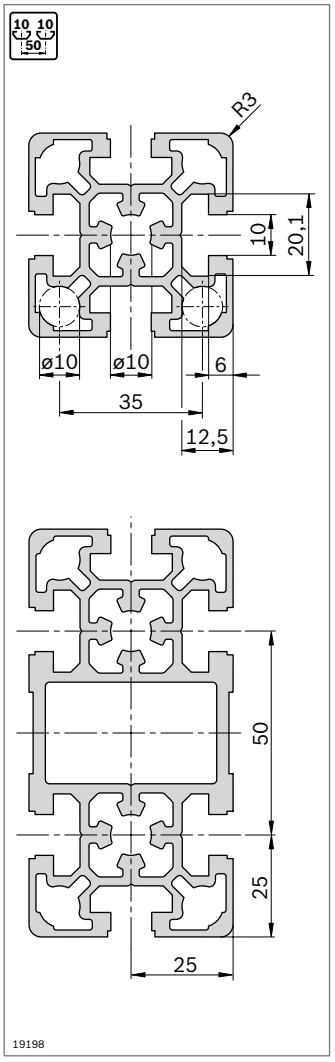
The Rexroth modular profile system, with 10 mm slots in the modular dimensions 40 mm, 45 mm, 50 mm, and 60 mm, covers all conventional profile dimensions on the world market.

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

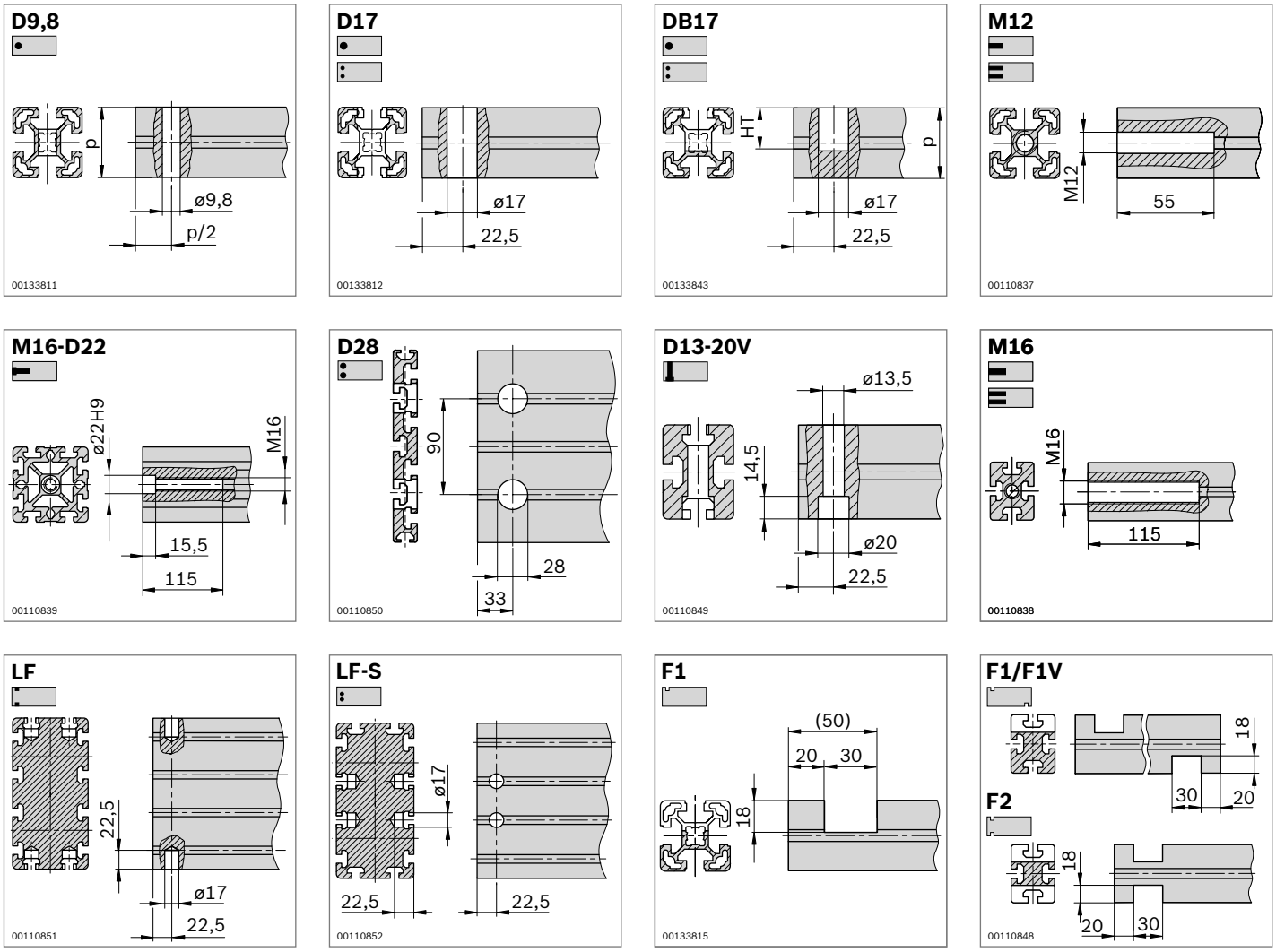
Minimum profile lengths (mm) for Quick & Easy standard profile finishes on one or both sides

	–	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.

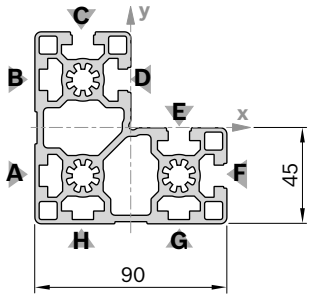
Due to its very sturdy design, this slot allows maximum strength connections.

Profile finishing



45x90x90L 4N

A = 21,2 cm²
I_x = 160,8 cm⁴
I_y = 160,8 cm⁴
W_x = 30,6 cm³
W_y = 30,6 cm³
m = 5,95 kg/m



29432

Cap: see 45x90x90L

45x90x90L 4N		L (mm)	No.
8 pcs		6070	**3 842 547 827**

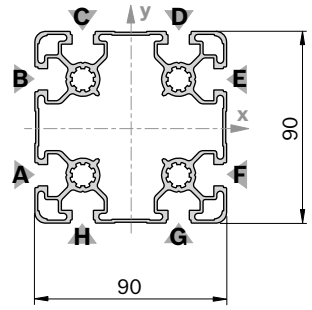
Quick & Easy (p. 2-8, see fold-out section)

45x90x90L 4N	3 842 993 764
Length L (mm)	50 ... 6070
Standard profile finishes (note minimum length, p. 2-25)	M12 / D9,8 / D17 / DB17 (A,B,C,F,G,H)[1]
Individual profile finishes (L_{max} = 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

Cap: see 90x90L

90x90SL		L (mm)	No.
1 pc		50 ... 6000	**3 842 993 449 / L**
6 pcs		6070	**3 842 537 100**

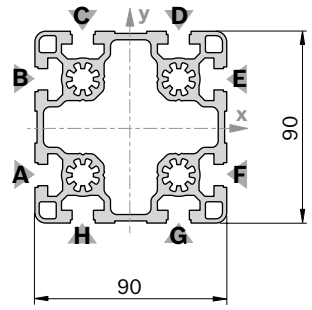
Quick & Easy (p. 2-8, see fold-out section)

90x90SL	3 842 993 681 / ...
Length L (mm)	50 ... 6000
Standard profile finishes (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Individual profile finishes (L_{max} = 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

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

90x90L			L (mm)	No.
1 pc			50 ... 5600	**3 842 992 415 / L**
1 pc	M12		60 ... 5600	**3 842 992 416 / L**
1 pc	M12	M12	110 ... 5600	**3 842 992 422 / L**
1 pc	M12	D17	90 ... 5600	**3 842 992 423 / L**
1 pc	D17		60 ... 5600	**3 842 992 417 / L**
1 pc	D17	D17	80 ... 5600	**3 842 992 420 / L**
1 pc	D17	D17V	80 ... 5600	**3 842 992 421 / L**
1 pc	LF	LF	80 ... 5600	**3 842 992 418 / L**
1 pc	LF	M12	90 ... 5600	**3 842 992 419 / L**
6 pcs			5600	**3 842 509 658**

Profile finishing:
M12: in all central 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 ... 5600
Standard profile finishes (note minimum length, p. 2-25)	M12 / D9.8 / D17 / DB17
Individual profile finishes (L_{max} = 4900 mm)	DI / DIS / MT / MTS / MI / MIS / DG[1]

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