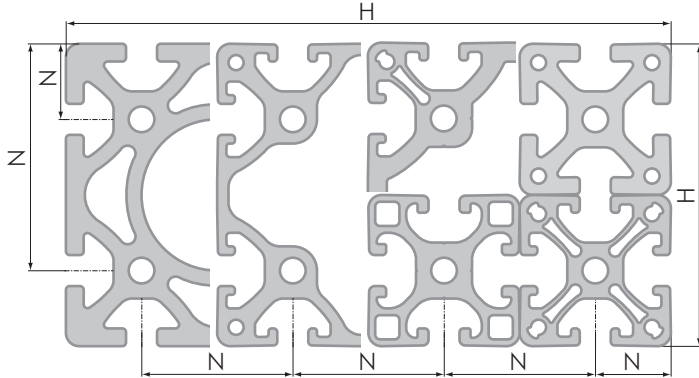


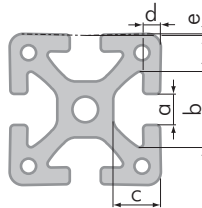
Tolerances Of External Dimensions And T-Slot Positions



width H [mm] above	till	tolerances of external dimension H or rather t-slot position N ± [mm]
0	10	0.10
10	20	0.15
20	40	0.20
40	60	0.30
60	80	0.40
80	100	0.45
100	120	0.50
120	160	0.60
160	240	0.80

T-Slot Dimension Tolerances

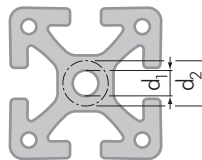
The **standard**, **double bridge**, **semi**, **light** and **superlight** series profiles possess a standardised t-slot shape. This guarantees that all fasteners and accessories can be utilised with the different profile series and sizes.



gauge	20	30	40
a	5.20±0.1	8.20±0.1	8.20±0.1
b	11.50+0.3	19.60±0.1	20.00±0.1
c	6.35±0.2	10.10±0.2	12.40±0.2
d	1.80±0.1	2.50±0.1	4.50±0.1
e	0.15±0.1	0.18±0.1	0.20±0.1

Center Holes

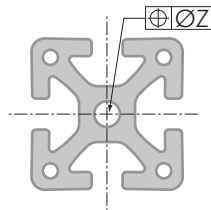
The center hole bore of the profiles can be opened up according to the table. Profiles of the series superlight (40 mm) and midi (30 mm), however, may not be opened up due to the wall section around the center hole.



	20	30	40
drilling d ₁	Ø 4.3-0.2 mm (M5)	Ø 6.8-0.2 mm (M8)	Ø 6.8-0.2 mm (M8)
drillable up to max. d ₂	Ø 6 mm (M6)	-	Ø 13 mm (M12) (not for sl)

Drilling Position Tolerances

The drilling position tolerance is dependent upon the number of the center hole bores and the contour of the profile.



	profiles with open t-slots	profiles with closed t-slots	
number of drillings	Z [mm]	number of drillings	Z [mm]
1	0.4	1	0.6
2 to 4	0.6	> 1	0.8
> 4	0.8		

T-Slot Strength

Information in regards to the maximum allowable t-slot load capability F. These values already contain a safety factor (S > 2) against plastic deformation.



t-slot shape	max. pull charge F	matrix
standard	5000 N	40
double br.	3250 N	40
semi	2500 N	40
light	2000 N	40
superlight	1750 N	40
midi	750 N	30
mini	500 N	20