

Round extruded bars

EN AW-2024 T3/T3511; EN 573-3; EN 755-2,-3

Limit deviations of diameter according to EN 755-3

Nominal diameter [mm]		Limit deviations of the diameter [mm]
18	25	±0,35
25	40	±0,40
40	50	±0,45
50	65	±0,50
65	80	±0,70
80	100	±0,90
100	120	±1,00
120	150	±1,20
150	180	±1,40
180	220	±1,70
220	270	±2,00
270	320	±2,50

Mechanical properties according to EN 755-2

Material condition	Nominal diameter [mm]		Tensile strength R_m [Mpa]		Slip limit $R_{p0,2}$ [Mpa]		Ductility min. [%]		Hardness [HBW]
	over	to	min.	max	min.	max	A_{50mm}	A	
T3 / T3511	14	50	450	-	310	-	6	8	120
T3 / T3511	50	100	440	-	300	-	-	8	120
T3 / T3511	100	200	420	-	280	-	-	8	120
T3 / T3511	200	250	400	-	270	-	-	8	120

Chemical composition according to EN 573-3 (AlCu4Mg1)

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Other individually	Others in total	Al min.
0,5	0,50	3,8-4,9	0,3-0,9	1,2-1,8	0,1	-	0,25	0,15	0,05	0,15	Residue

Lengths in stock [mm] ⁽¹⁾

3000	and other
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Diameters in stock [mm]

15 20 22 25 28 30 32 35 40 45 50 56 60 65 70 75 80 90 100 110 120 130 140 150 160 170 180 200 220 230 240 250 260
280 300

Contact with foodstuffs according to EN 602

No
