

Round extruded bars

EN AW-5083.H112; 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	
H112	18	200	270	-	125	-	10	12	70

Chemical composition according to EN 573-3 (AlMg4,5Mn0,7)

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Other individually	Others in total	Al min.
0,40	0,40	0,10	0,4-1,0	4,0-4,9	0,05-0,25	-	0,25	0,15	0,05	0,15	Residue

Lengths in stock [mm] (*)

3000

and other

Diameters in stock [mm]

15 20 25 28 30 32 35 40 45 50 56 60 65 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260
270 280 300 310 320 330 350

Contact with foodstuffs according to EN 602

Yes