

# Round extruded bars

EN AW-6082 T6/T6511; 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	±0,25
25	40	±0,30
40	50	±0,35
50	65	±0,40
65	80	±0,45
80	100	±0,55
100	120	±0,65
120	150	±0,80
150	180	±1,00
180	220	±1,15
220	270	±1,30
270	320	±1,60

## 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	
T6/T6511	15	20	295	-	250	-	6	8	95
T6/T6511	20	150	310	-	260	-	-	8	95
T6/T6511	150	200	280	-	240	-	-	6	95
T6/T6511	200	250	270	-	200	-	-	6	95

## Chemical composition according to EN 573-3 (AlSi1MgMn)

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Other individually	Others in total	Al min.
0,7-1,3	0,5	0,1	0,4-1	0,6-1,2	0,25	-	0,2	0,1	0,05	0,15	Residue

## Lengths in stock [mm] (\*)

3000	and other
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## Diameters in stock [mm]

15 16 20 22 25 26 28 30 32 35 36 40 42 45 50 52 55 56 58 60 63 65 70 75 80 85 90 95 100 105 110 115 120 125 130
140 145 150 160 170 180 185 190 200 210 220 230 240 250 260 280 290 300 310 320 360 380 400

## Contact with foodstuffs according to EN 602

Yes
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