

**Round, rectangular, square and hexagonal
bars**



Informatii produs:

ROUND, SQUARE, HEXAGONAL ALUMINIUM BARS:

- Alloys supplied: 6082, 2007, 7075
- Standard length: 3000 mm (we can cut bars according to customer requirements)
- Chemical composition according to: EN 573-3
- Mechanical properties according to: EN 755-2

RECTANGULAR ALUMINIUM BARS:

- Alloy supplied: 6060, 6082, 2007
- Standard length: 4000 mm or 6000 mm (we can cut bars according to customer requirements)
- Chemical composition according to: EN 573-3
- Mechanical properties according to: EN 755-2

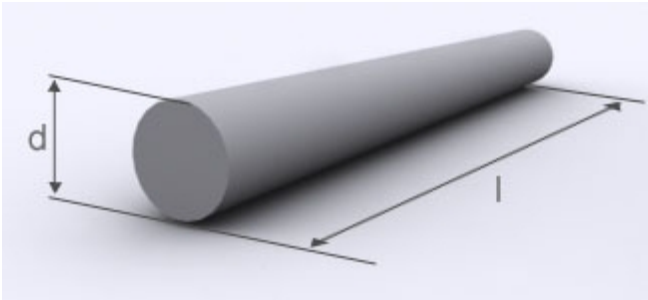
COMMON AREAS OF USE FOR ROUND, RECTANGULAR AND HEXAGONAL ALUMINIUM BARS

- Extruded aluminium products: round, square, rectangular and hexagonal bars, account for more than half of the market for aluminium products in Europe. The construction industry is one of the main consumers.
- The most common alloys extruded in bar form are those of class 6000. These alloys accumulate a number of very good physical-mechanical, weldability, corrosion resistance and anodisation properties and are recommended for many applications in industry
- Following the extrusion and heat treatment processes, the aluminum bars acquire superior physical-mechanical properties. Their mechanical resistance increases, being thus recommended in many areas of use (machining by chipping, bending, welding, hot or cold plastic deformation)

ALLOYS COMMONLY USED IN ROUND, RECTANGULAR AND HEXAGONAL ALUMINIUM BARS

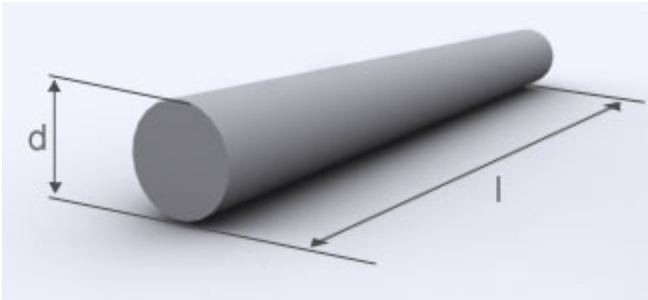
Round bar

* The specific weight is a theoretical weight and may differ from the actual measured weight due to the geometric tolerances set out in the EN standards.

NAME	DIMENSION		ALLOY STATUS	WEIGHT KG/ML.
	d [mm]	b [mm]		
	5 DRAWN	3000	EN-AW 6xxx T6	0.055

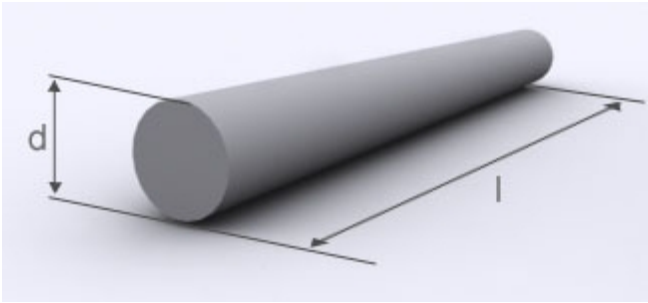
Round bar

6 DRAWN	3000	EN-AW 6xxx	T6	0.079
8 DRAWN	3000	EN-AW 6xxx	T6	0.141
10	3000	EN-AW 6xxx	T6	0.220
12	3000	EN-AW 2xxx	T6	0.317

NAME	DIMENSION		ALLOY	STATUS	WEIGHT KG/ML.
	d [mm]	b [mm]			
	5	3000	EN-AW	T6	0.055
	DRAWN		6xxx		

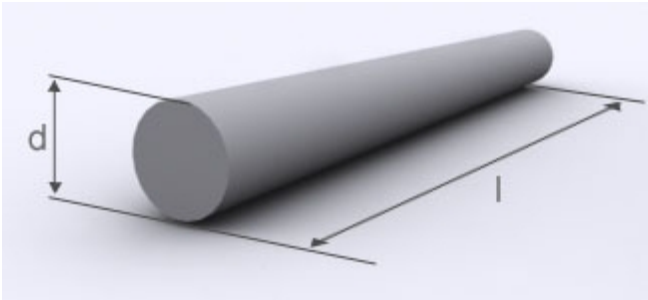
Round bar

14	3000	EN-AW 2xxx	T6	0.431
15	3000	EN-AW 6xxx	T6	0.495
20	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	0.879
25	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	1.374
30	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	1.978
35	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	2.693
38	3000	EN-AW 2xxx, 7xxx	T4	3.174
40	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	3.517
45	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	4.451
50	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	5.495
55	3000	EN-AW 6xxx, 7xxx	T6	6.649

NAME	DIMENSION		ALLOY	STATUS	WEIGHT
	d [mm]	b [mm]			KG/ML.
	5	3000	EN-AW	T6	0.055
	DRAWN		6xxx		

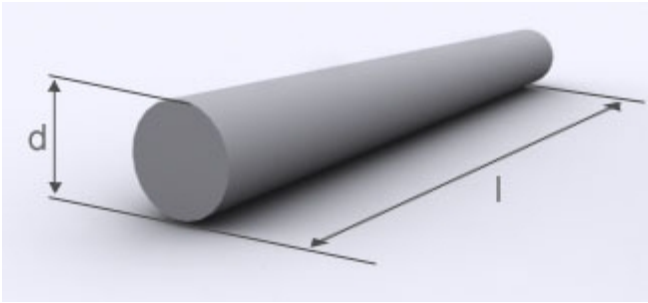
Round bar

60	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	7.913
65	3000	EN-AW 6xxx, 7xxx	T6	9.287
70	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	10.770
75	3000	EN-AW 6xxx, 7xxx	T6	12.364
80	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	14.067
85	3000	EN-AW 6xxx, 7xxx	T6	15.881
90	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	17.804
100	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	21.980
110	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	26.596
120	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	31.651

NAME	DIMENSION		ALLOY	STATUS	WEIGHT
	d [mm]	b [mm]			KG/ML.
	5	3000	EN-AW	T6	0.055
	DRAWN		6xxx		

Round bar

125	3000	EN-AW 6xxx, 7xxx	T6	34.344
130	3000	EN-AW 6xxx, 2xxx, 7xxx	T6, T4	37.146
140	3000	EN-AW 6xxx, 7xxx	T6	43.081
150	3000	EN-AW 6xxx, 7xxx	T6	49.455
160	3000	EN-AW 6xxx, 7xxx	T6	56.269
170	3000	EN-AW 6xxx, 7xxx	T6	63.522
180	3000	EN-AW 6xxx, 7xxx	T6	71.215
200	3000	EN-AW 6xxx, 7xxx	T6	87.920
220	3000	EN-AW 6xxx, 7xxx	T6	106.383
240	3000	EN-AW 6xxx, 7xxx	T6	132.469
260	3000	EN-AW 6xxx, 7xxx	T6	148.585
280	3000	EN-AW 6xxx, 7xxx	T6	172.323

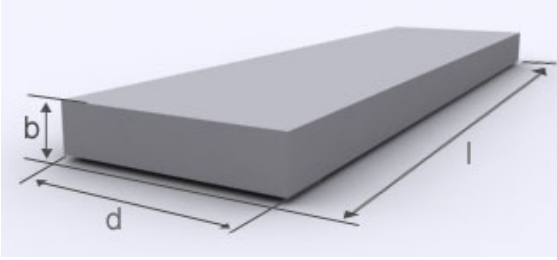
NAME	DIMENSION		ALLOY	STATUS	WEIGHT KG/ML.
	d [mm]	b [mm]			
	5	3000	EN-AW	T6	0.055
	DRAWN		6xxx		

Round bar

300	3000	EN-AW 6xxx, 7xxx	T6	197.820
320-400	3000	EN-AW 6xxx, 7xxx	T6	

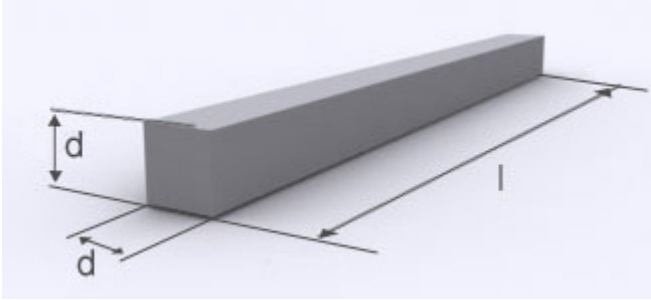
Rectangular bar

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NAME	DIMENSION			ALLOY	STATUS	WEIGHT KG/ML.
	d [mm]	b [mm]	l [mm]			
 Rectangular bar	15	3	4000	EN-AW 6060	T6	0.122
	15	5	4000	EN-AW 6060	T6	0.203
	20	3	4000	EN-AW 6060	T6	0.162
	20	5	4000	EN-AW 6060	T6	0.270
	25	3	4000	EN-AW 6060	T6	0.203
	25	5	4000	EN-AW 6060	T6	0.338
	30	3	4000	EN-AW 6060	T6	0.243
	30	5	4000	EN-AW 6060	T6	0.405
	30	6	4000	EN-AW 6060	T6	0.486
	30	8	4000	EN-AW 6060	T6	0.648
	30	10	4000	EN-AW 6060	T6	0.810
	40	3	4000	EN-AW 6060	T6	0.324
	40	5	4000	EN-AW 6060	T6	0.540
	40	10	4000	EN-AW 6060	T6	1.080
	40	20	4000	EN-AW 6060	T6	2.160
	50	5	4000	EN-AW 6060	T6	0.675
	50	10	4000	EN-AW 6060	T6	1.350
	50	30	4000	EN-AW 6060	T6	4.050
	60	10	4000	EN-AW 6060	T6	1.620
	60	20	4000	EN-AW 6060	T6	3.240
	70	5	4000	EN-AW 6060	T6	0.945
	80	10	4000	EN-AW 6060	T6	2.160
	80	20	4000	EN-AW 6060	T6	4.320
	100	10	4000	EN-AW 6060	T6	2.700
	100	20	4000	EN-AW 6060	T6	5.400
	120	10	4000	EN-AW 6060	T6	3.240
	120	20	4000	EN-AW 6060	T6	6.480
	200-300	10-20	4000	EN-AW 6060	T6	

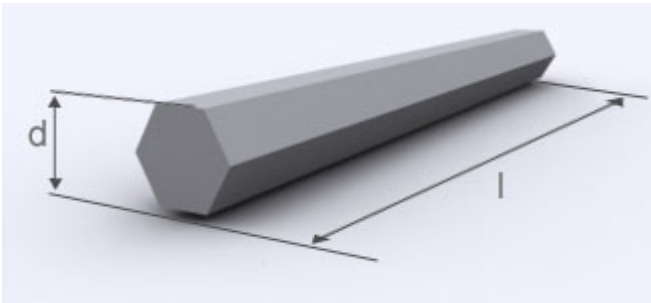
Square bar

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NAME	DIMENSION		ALLOY	STATUS	WEIGHT KG/ML.
	d [mm]	b [mm]			
 Square bar	20	3000	EN-AW 6xxx, 2xxx	T6, T4	1.120
	25	3000	EN-AW 6xxx, 2xxx	T6, T4	1.750
	30	3000	EN-AW 6xxx, 2xxx	T6, T4	2.520
	40	3000	EN-AW 6xxx, 2xxx	T6, T4	4.480
	50	3000	EN-AW 6xxx, 2xxx	T6, T4	7.000
	60	3000	EN-AW 6xxx, 2xxx	T6, T4	10.080
	80	3000	EN-AW 6xxx, 2xxx	T6, T4	17.920
	100	3000	EN-AW 6xxx, 2xxx	T6, T4	28.000

Hexagonal bar

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NAME	DIMENSION		ALLOY	STATUS	WEIGHT KG/ML.
	d [mm]	b [mm]			
 Hexagonal bar	19	3000	EN-AW 2007	T4	0.875
	22	3000	EN-AW 2007	T4	1.194
	24	3000	EN-AW 2007	T4	1.397
	27	3000	EN-AW 2007	T4	1.779
	30	3000	EN-AW 2007	T4	2.182

Industry Type: MACHINING, METALLIC STRUCTURES, ELECTRICAL AND AUTOMATION INDUSTRY,
Category: Aluminium, BARS,

URL: <https://color-metal.ro/en/round-rectangular-square-and-hexagonal-bars>