



Bars and Rolls
Aluminum/Brass/Copper
Super alloys/Titanium/Nickel

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Your production
chain starts here.



TeknoSteel is a leading company in the production and marketing of **raw materials**, offering its partners a **pre and post-sales** assistance and providing technical advice based on years of **experience** in the metalworking industry.

Professionalism, passion and timeliness are the values on which the company is based, being able to provide some of **the most prestigious noble materials**: tungsten, molybdenum, tzm, tungsten copper.



PLATES	MECHANICAL CHARACTERISTICS					
ALLOY	5083 O/H111		6082 T651	2017A T451	7075 T651/T652	ALUSTAMP 7
Alphanumeric Designation	Al Mg 4,5 Mn	Al Mg 4,5 Mn	Al Mg Si 1	Al Cu Mg 1	Al Zn Mg Cu 1,5	
Commercial Designation	Peraluman	Peraluman	Anticorodal	Avional	Ergal 55	
Thicknesses in warehouse, others on request...	da 5 a 200 mm	da 20 a 1.000 mm	da 5 a 200 mm	da 6 a 300 mm	da 6 a 200 mm	da 20 a 600 mm
Hardness HB	min. 77	70	min. 105	min. 110	170	117
Resistance Rm (N/mm ²)	min. 295	240 - 290	min. 350	430	575	370
Elongation Rp 0,2 (N/mm ²)	min. 150	110 - 130	min. 310	285	510	325
Break 5%	max 17	16	8	max 13	max 8	4
Specific Weight Kg/dm ³	2,66	2,66	2,70	2,78	2,81	2,80

Alloys: Serie 2000 - 5000 - 6000 - 7000
Complete assortment from sp. 5 sp. 200 for laminates and sp. up to 1000 for drums.

TeknoSteel has two cutting lines a measurement of the plates with disk and/or tape for the mold and mechanical sector.

EXTRUDED	MECHANICAL CHARACTERISTICS						
ALLOY	EN 573 AW	EN 573 AW	Stato Fisico	Rm N/mm ²	Rp 0,2 N/mm ²	A%	HB
2011	9002/5	Al Cu Bi Pb	T3 T8	360 400	300 310	12 15	115 120
2017	9002/2	Al Cu Mg 1	T3	380	260	10	110
6060	9006/1	Al Mg Si 0,5	T5 T6	205 230	165 200	12 12	65 72
6082	9006/4	Al Mg Si 1	T6	310	260	10	95
6012		Al Mg Si Pb	T6	360	320	10	105
6026			T6 T8 T9	360 370 400	330 340 380	10 10 8	100 105 110
6262			T8 T9	350 380	310 350	12 4	105 110
7075	9007/2	Al Zn Mg Cu 1,5	T6	575	510	8	170

Alloys: Serie 2000 - 6000 - 7000

Round: da Ø 6 a Ø 600 mm trafilati/fusi e torniti.

Square: da 10 a 200 mm trafilati/fusi e torniti.

Flat: da sp. 2 a sp. 100mm. Larghezza max 310

TeknoSteel has an automatic sawing machine for the cut to measure of round bars, square and flat.

BRASS ALLOYS			
CW503L Cu Zn20 (Ot 80 - Similoro)	CW505L Cu Zn30 (Ot 70)	CW506L Cu Zn33 (Ot 67)	CW508L Cu Zn37 (Ot 63)
CW508L/CW510L con Pb < 80 ppm CuZn37, CuZn42	CW510L Cu Zn42	CW607N Cu Zn38 Pb1	CW612N Cu Zn39 Pb2
CW614N Cu Zn39 Pb3	CW617N Cu Zn40 Pb2	CW618N Cu Zn40 Pb2 Al	CW624N Cu Zn43 Pb2 Al
			CW713R CuZn37MnAl2PbSi

COPPER ALLOYS			
Brush Alloy 3	Brush Alloy 10	Brush Alloy 25	Brush Alloy M25
Brush Alloy 174	Brush Alloy 190	Hovadur CB2	Hovadur CCNB
Hovadur CCZ	Hovadur CNB	Hovadur CNCS	CuAl10Ni5Fe4
Cu-ETP	CuNi10Fe1Mn	CuSn6	Tellurium Copper

NICKEL ALLOYS			
Nilo® 36/ Invar®	Nilo® 42/ Invar®	Nitronic 50	Nitronic 60
Nimonic® 75	Nilomag® 77	Nimonic® 80A	Nimonic® 90
Nickel 200 / 201	Nimonic® 263	Incoloy® 330	Monel® 400
Inconel® 600	Inconel® 601	Incoloy® 625	Inconel® 625 LCF
Inconel® 686	Inconel® 718	Incoloy® 800	Incoloy® 825
Incoloy® 901	Incoloy® 925	Incoloy® A-286	Hastelloy® C-22
Hastelloy® C-276	Hastelloy® C-2000	Incoloy® DS	Nilo® K / Kovar®
Monel® K-500	Waspalloy®	Hastelloy® X	Inconel® X-750

TITANIUM			
Grade 1	Grade 2	Grade 3	Grade 4
Grade 5	Grade 7	Grade 9	Grade 23