

TECHNICAL AND SIZE RANGE SPECIFICATIONS

Rectangular Aluminum Bars

ALLOY 1350

Temper	Thickness	Ultimate tensile strength	Yield strength	Electrical conductivity	ASTM standard
H111	All	≥ 60 MPa (≥ 9 ksi)	≥ 25 MPa (≥ 3.5 ksi)	$\geq 61.0\%$ IACS	B236

ALLOY 6101

Temper	Thickness	Ultimate tensile strength	Yield strength	Electrical conductivity	ASTM standard
T6	0.125" to 1/2" (3.17 – 12.70 mm)	≥ 200 MPa (≥ 29 ksi)	≥ 170 MPa (≥ 25ksi)	≥ 55.0% IACS	B317
T61	0.125" to 0.749" (3.17 – 18.00 mm)	≥ 140 MPa (≥ 20 ksi)	≥ 105 MPa (≥ 15 ksi)	≥ 57.0% IACS	
	0.750" to 1" (18.01 – 25.40 mm)	≥ 125 MPa (≥ 18 ksi)	≥ 75 MPa (≥ 11 ksi)		
T63	0.125" to 1" (3.17 – 25.40 mm)	≥ 185 MPa (≥ 27 ksi)	≥ 150 MPa (≥ 22 ksi)	≥ 56.0% IACS	

IACS (International Annealed Copper Standard)

Other standards, specifications, and shapes are available upon request.

 **Instagram:** @termomecanicasp - www.termomecanica.com.br

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SIZE RANGE

Rectangular Aluminum Bars

	Width (in)						
	1/2"	0.75"	1"	1 1/4"	2 1/2"	5"	6"
Thickness (in)							
0.125"							
0.187"							
0.197"							
0.236"							
1/2"							
0.75"							
1"							



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Rectangular Copper Bars

ALLOY C10200 / C10400 / C10700 / C11000

Temper	Thickness	Width	Ultimate tensile strength	Yield strength	Electrical conductivity	ASTM standard
O60	All	All	195-255 MPa (28 - 37 ksi)	≥ 55 MPa (≥8 ksi)	≥ 100% IACS	B187
H02	Up to 0.375" (9,52 mm)	Up to 4" (101,60 mm)	260-345 MPa (37.5 - 50 ksi)	-	≥ 98,40% IACS	
H04	Other	Other	230-345 MPa (33 - 50 ksi)	-	≥ 97,40% IACS	

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SIZE RANGE

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Width (in)

