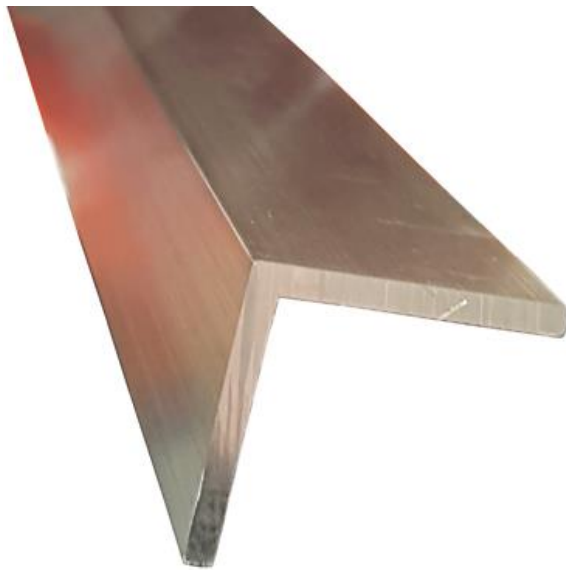




RA6061 Aluminum Right Angle Bar

RA6061 Aluminum Right Angle Bar, is an extruded aluminum product that is very versatile and has a wide range of applications. RA6061 Aluminum Right Angle Bar is widely used for all types of engineering fabrication projects where lightweight and corrosion resistance is a concern.



SKU: [ERM1116](#)

Brief Data:

- Profile Type: Right Angle.
- Side Dimension WxH: Refer to Table-1/2.
- Wall Thickness T: Refer to Table-1/2.
- Length: 300mm.
- Lightweight and easy to work with.
- Easy to drill, rivet and screw.
- Alloy 6061.

GENERIC PHYSICAL PROPERTIES

Property	Value
Density	2.70 g/cm ³
Melting Point	650 °C
Thermal Expansion	23.4 x10 ⁻⁶ /K
Modulus of Elasticity	70 GPa
Thermal Conductivity	166 W/m.K
Electrical Resistivity	0.040 x10 ⁻⁶ Ω .m

MECHANICAL PROPERTIES

<i>BS EN 755-2:2008</i> <i>Extrusions</i> <i>Up to 200mm Dia. & A/F, 5mm WT for Tube and Prof</i>	
Property	Value
Proof Stress	240 Min MPa
Tensile Strength	260 Min MPa
Hardness Brinell	95 HB

CHEMICAL COMPOSITION

<i>BS EN 573-3:2009</i> <i>Alloy 6061</i>	
Element	% Present
Magnesium (Mg)	0.80 - 1.20
Silicon (Si)	0.40 - 0.80
Iron (Fe)	0.0 - 0.70
Copper (Cu)	0.15 - 0.40
Chromium (Cr)	0.04 - 0.35
Zinc (Zn)	0.0 - 0.25
Titanium (Ti)	0.0 - 0.15
Manganese (Mn)	0.0 - 0.15
Others (Total)	0.0 - 0.15
Other (Each)	0.0 - 0.05
Aluminium (Al)	Balance

Mechanical Dimension:

Unit: (mm)

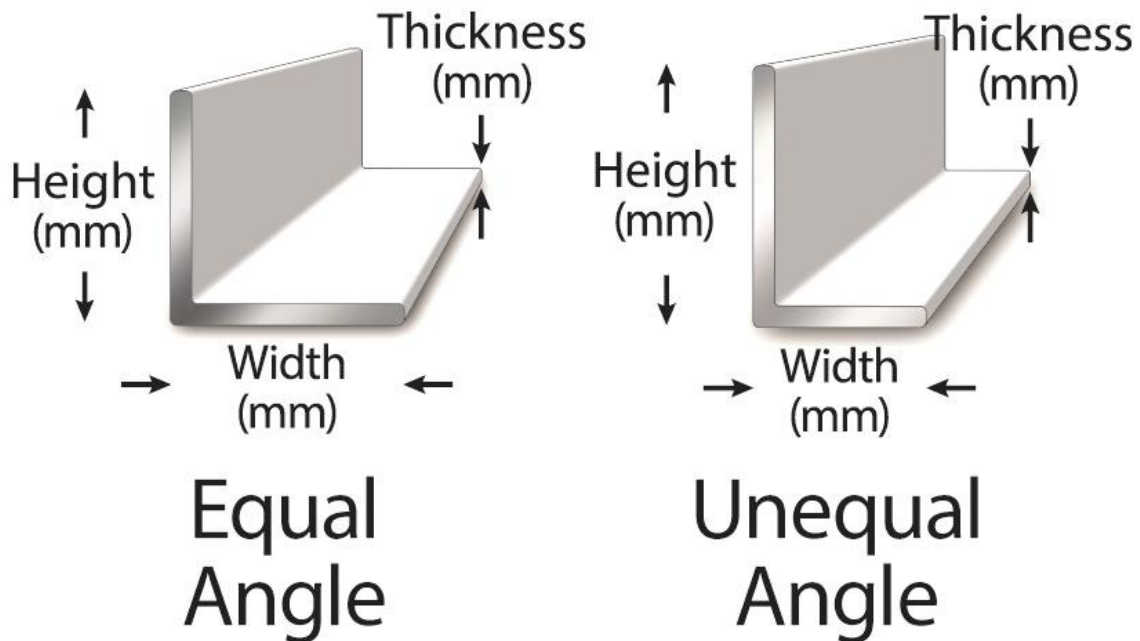


Table-1 > Equal Leg:

Part No	Height H mm	Width W mm	Thickness T mm	SKU
RA6061-1x1-T2.00	25.4	25.4	2.00	ERM1115
RA6061-1x1-T4.50	25.4	25.4	4.50	ERM1116
RA6061-2x2-T6.35	50.8	50.8	6.35	ERM1117
RA6061-2x2-T12.0	50.8	50.8	12.0	ERM1133

Table-2 > Unequal Leg:

Part No	Height H mm	Width W mm	Thickness T mm	SKU
RA6061-1x2-T4.50	50.8	25.4	4.50	ERM1178

Web Resources:

- [FB6061-1319](#)



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