

75 x 75 x 3mm

3 x 3 x 1/8

3 x 3 x 3/16

3 x 3 x 1/4

3 x 3 x 3/8

1.28

1.21

1.91

2.51 3.69

Aluminium - 6063 T6

Equal Angle	Properties
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Equal Angle		Properties	
Stock		Chemical Properties	
Size (in)	Weight/m (Kg)	Element	Chemical Composition %
3/8 x 3/8 x 1/16	0.08	Manganese (Mn)	0.0 - 0.10
1/2 x 1/2 x 1/16	0.10	Iron (Fe)	0.0 - 0.35
1/2 x 1/2 x 1/8	0.19	Magnesium (Mg)	0.45 - 0.90
5/8 x 5/8 x 1/16	0.13	Silicon (Si)	0.20 - 0.60
5/8 x 5/8 x 1/8	0.25	Zinc (Zn)	0.0 - 0.10
3/4 x 3/4 x 1/16	0.16	Titanium (Ti)	0.0 - 0.10
3/4 x 3/4 x 1/8	0.30	Chromium (Cr)	0.0 - 0.10
7/8 x 7/8 x 1/8	0.36	Copper (Cu)	0.0 - 0.10
25 x 25 x 3mm	0.38	Other (Each)	0.0 - 0.05
1 x 1 x 1/16	0.21	Others (Total)	0.0 - 0.15
1 x 1 x 1/8	0.41	Aluminium (AI)	Balance
1 x 1 x 3/16	0.59		
1 x 1 x 1/4	0.76	Mechanical Properties	
30 x 30 x 3mm	0.47	Property	Value
1 1/4 x 1 1/4 x 1/16	0.27	Proof Stress	170 Min MPa
1 1/4 x 1 1/4 x 1/8	0.52	Tensile Strength	215 Min MPa
1 1/4 x 1 1/4 x 3/16	0.76	Hardness Brinell	75 Typical HB
1 1/4 x 1 1/4 x 1/4	0.98	Elongation A	8 Min %
1 1/2 x 1 1/2 x 1/16	0.32		
1 1/2 x 1 1/2 x 1/8	0.63	Physical Properties	
1 1/2 x 1 1/2 x 3/16	0.92	Property	Value
1 1/2 x 1 1/2 x 1/4	1.20	Density	2.70 g/cm ³
1 3/4 x 1 3/4 x 1/8	0.74	Melting Point	655°C
1 3/4 x 1 3/4 x 3/16	1.09	Thermal Expansion	23.5 x 10 ⁻⁶ /K
1 3/4 x 1 3/4 x 1/4	1.42	Modulus of Elasticity	69.5 GPa
40 x 40 x 3mm	0.63	Thermal Conductivity	201 W/m.K
40 x 40 x 4mm	0.82	Electrical Resistivity	0.033 x 10 ⁻⁶ Ω .m
50 x 50 x 3mm	0.79	Electrical Resistivity	52% IACS
50 x 50 x 6mm	1.30		
2 x 2 x 1/16	0.43		
2 x 2 x 1/8	0.85		
2 x 2 x 3/16	1.25		
2 x 2 x 1/4	1.64		
2 x 2 x 3/8	2.38		
2 1/2 x 2 1/2 x 1/8	1.06		
2 1/2 x 2 1/2 x 3/16	1.58		
2 1/2 x 2 1/2 x 1/4	2.08		

100 x 100 x 10mm	3.79
4 x 4 x 1/4	3.39
4 x 4 x 3/8	5.00
6 x 6 x 1/2	10.00

Disclaimer

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