

Brass - CW624N / CZ130

Equal Angle

Properties

Stock		Chemical Properties	
Size (in)	Weight/m (Kg)	Element	Chemical Composition %
1/4 x 1/4 x 1/16	0.15	Copper (Cu)	55.0 - 57.0
3/8 x 3/8 x 1/16	0.23	Lead (Pb)	1.60 - 3.00
3/8 x 3/8 x 1/8	0.44	Aluminium (Al)	0.05 - 5.00
1/2 x 1/2 x 1/8	0.62	Zinc (Zn)	Balance
5/8 x 5/8 x 1/16	0.42		
5/8 x 5/8 x 3/32	0.60		
5/8 x 5/8 x 1/8	0.79		
3/4 x 3/4 x 1/16	0.51		
3/4 x 3/4 x 3/32	0.72		
3/4 x 3/4 x 1/8	0.97		
3/4 x 3/4 x 3/16	1.40		
3/4 x 3/4 x 1/4	1.71		
7/8 x 7/8 x 1/8	1.15		
7/8 x 7/8 x 1/4	2.05		
1 x 1/2 x 1/16	0.51		
1 x 1/2 x 1/8	0.97		
1 x 3/4 x 1/8	1.15		
1 x 1 x 1/16	0.68		
1 x 1 x 1/8	1.29		
1 x 1 x 3/16	1.85		
1 x 1 x 1/4	2.39		
1 1/4 x 3/4 x 1/8	4.16		
1 1/4 x 1 1/4 x 1/16	0.86		
1 1/4 x 1 1/4 x 1/8	1.68		
1 1/4 x 1 1/4 x 3/16	2.42		
1 1/4 x 1 1/4 x 1/4	3.07		
1 1/2 x 1/2 x 1/16	0.68		
1 1/2 x 1/2 x 1/8	1.32		
1 1/2 x 1 x 1/8	1.68		
1 1/2 x 1 1/2 x 3/32	1.49		
1 1/2 x 1 1/2 x 1/8	2.03		
1 1/2 x 1 1/2 x 3/16	2.87		
1 1/2 x 1 1/2 x 1/4	3.76		
1 3/4 x 1 3/4 x 1/8	2.39		
1 3/4 x 1 3/4 x 3/16	3.40		
1 3/4 x 1 3/4 x 1/4	4.43		
2 x 1 x 3/8	5.34		
2 x 2 x 1/8	2.74		
2 x 2 x 3/16	3.95		
2 x 2 x 1/4	5.10		
2 1/2 x 2 1/2 x 1/4	6.47		
3 x 3 x 1/4	7.84		

Mechanical Properties	
Property	Value
Proof Stress	150 - 220 MPa
Tensile Strength	350 - 420 MPa
Elongation	20 - 30%
Hardness Vickers	90 to 120 HV

Physical Properties	
Property	Value
Density	8.44 g/cm ³
Melting Point	890°C
Thermal Conductivity	109 W/m.K

Disclaimer

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