

Brass - CW707R / CZ126

Round Tube

Properties

Stock			Chemical Properties	
OD (in)	Gauge	Weight/m (Kg)	Element	Chemical composition %
3/32	24	0.03	Copper (Cu)	69.0 - 71.0
1/8	24	0.04	Arsenic (As)	0.02 - 0.06
1/8	22	0.05	Zinc (Zn)	Balance
1/8	21	0.05		
5/32	21	0.07		
3/16	24	0.06		
3/16	22	0.08		
3/16	21	0.09		
3/16	20	0.09		
3/16	18	0.12		
3/16	16	0.14		
7/32	22	0.09		
7/32	21	0.10		
7/32	20	0.11		
1/4	24	0.09		
1/4	22	0.11		
1/4	21	0.12		
1/4	20	0.13		
1/4	19	0.15		
1/4	18	0.17		
1/4	16	0.21		
9/32	21	0.14		
9/32	18	0.19		
5/16	24	0.11		
5/16	22	0.14		
5/16	21	0.16		
5/16	20	0.17		
5/16	19	0.19		
5/16	18	0.22		
5/16	16	0.28		
5/16	13	0.35		
11/32	20	0.19		
3/8	24	0.13		
3/8	22	0.17		
3/8	20	0.21		
3/8	18	0.27		
3/8	17	0.30		
3/8	16	0.35		
3/8	14	0.40		
3/8	13	0.45		
3/8	10	0.54		
1/2	22	0.23		

Mechanical Properties	
Property	Value
Tensile strength	325 MPa
Elongation	70%

Physical Properties	
Property	Value
Density	8.55 g/cm ³
Modulus of elasticity	114 GPa
Thermal conductivity	126 W/m.K
Electrical resistivity	28% IACS

1/2	21	0.26
1/2	20	0.29
1/2	19	0.32
1/2	18	0.37
1/2	17	0.40
1/2	16	0.48
1/2	14	0.58
1/2	13	0.66
1/2	10	0.82
9/16	20	0.33
9/16	16	0.55
5/8	22	0.29
5/8	21	0.33
5/8	20	0.37
5/8	18	0.48
5/8	16	0.63
5/8	14	0.76
5/8	10	1.10
11/16	16	0.69
3/4	22	0.35
3/4	21	0.40
3/4	20	0.45
3/4	18	0.58
3/4	16	0.76
3/4	14	0.92
3/4	12	1.17
3/4	10	1.39
13/16	18	0.64
13/16	16	0.83
7/8	22	0.42
7/8	20	0.52
7/8	18	0.69
7/8	16	0.89
7/8	12	1.39
7/8	10	1.66
1	22	0.46
1	21	0.48
1	20	0.60
1	19	0.67
1	18	0.79
1	17	0.92
1	16	1.05
1	14	1.28
1	13	1.45
1	12	1.61
1	10	1.94
1 1/8	22	0.54
1 1/8	20	0.68
1 1/8	18	0.89
1 1/8	16	1.18
1 1/8	10	2.21

1 1/4	22	0.60
1 1/4	20	0.76
1 1/4	18	1.00
1 1/4	16	1.31
1 1/4	12	2.07
1 1/4	10	2.49
1 3/8	20	0.83
1 3/8	16	1.50
1 3/8	13	2.04
1 3/8	10	2.68
1 1/2	20	0.91
1 1/2	18	1.21
1 1/2	16	1.60
1 1/2	14	1.97
1 1/2	10	3.15
1 5/8	18	1.31
1 5/8	16	1.73
1 5/8	10	3.32
1 3/4	20	1.08
1 3/4	18	1.42
1 3/4	16	1.88
1 3/4	10	3.59
1 7/8	16	2.01
1 7/8	10	3.87
2	20	1.23
2	18	1.63
2	16	2.15
2	14	2.67
2	12	3.41
2	10	4.16
2 1/8	16	2.28
2 1/8	10	4.44
2 1/4	16	2.43
2 1/4	10	4.71
2 3/8	16	2.56
2 1/2	18	2.04
2 1/2	16	2.70
2 1/2	10	5.26
2 5/8	16	2.85
2 3/4	18	2.25
2 3/4	16	2.98
2 3/4	10	5.81
3	16	3.26
3	10	6.37
3 1/4	16	3.56
3 3/4	16	4.07
4	16	4.36
4	10	8.58

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