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COPPER TUBE & COIL

GOLDEN COPPER MANUFACTURING CO.



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Seamless Copper Tube for

Air Conditioning and Refrigeration Field Service

ASTM B280 for HVAC ,Refrigeration , Domestic Water , Medical Gas , Natural gas and LP Gas.

I. SIZE TABLE OF ASTM B280 STRAIGHT TUBE - PRESSURE = 700 PSI

Type	OD		Wall Thickness		WEIGHT		Temper Quality	Safe Working Pressure at service temperature	
	Inch	mm	Inch	mm	kg/m	lb/ft		65°C	149°F
								kPa	psi
ASTM B280 ACR ACR TYPE-L	3/8	9.53	0.030	0.762	0.188	0.126	H58	6,010	870
	1/2	12.70	0.035	0.889	0.295	0.198	H58	5,220	750
	5/8	15.88	0.040	1.016	0.424	0.285	H58	4,740	680
	3/4	19.05	0.042	1.067	0.539	0.362	H58	4,120	590
	7/8	22.23	0.045	1.143	0.677	0.455	H58	3,770	540
	1 1/8	28.58	0.050	1.270	0.974	0.654	H58	3,240	470
	1 3/8	34.93	0.055	1.397	1.315	0.884	H58	2,900	420
	1 5/8	41.28	0.060	1.524	1.701	1.143	H58	2,670	380
	2 1/8	53.98	0.070	1.778	2.606	1.751	H58	2,380	340
	2 5/8	66.68	0.080	2.032	3.689	2.479	H58	2,190	310
	3 1/8	79.38	0.090	2.286	4.949	3.325	H58	2,070	300
	3 5/8	92.08	0.100	2.540	6.386	4.291	H58	1,980	280
	4 1/8	104.78	0.110	2.794	8.001	5.377	H58	1,910	270
	5 1/8	130.18	0.125	3.175	11.323	7.609	H58	1,750	250
	6 1/8	155.58	0.140	3.556	15.180	10.200	H58	1,630	230
	8 1/8	206.38	0.200	5.080	28.715	19.295	H58	1,760	250
ASTM B280 ACR ACR TYPE-K	3/8	9.53	0.035	0.889	0.216	0.145	H58	7,090	1,020
	1/2	12.70	0.049	1.245	0.400	0.269	H58	7,480	1,080
	5/8	15.88	0.049	1.245	0.512	0.344	H58	5,880	850
	3/4	19.05	0.049	1.245	0.622	0.418	H58	4,850	700
	7/8	22.23	0.065	1.651	0.954	0.641	H58	5,550	800
	1 1/8	28.58	0.065	1.651	1.248	0.839	H58	4,260	610
	1 3/8	34.93	0.065	1.651	1.543	1.037	H58	3,450	500
	1 5/8	41.28	0.072	1.829	2.026	1.361	H58	3,230	460
	2 1/8	53.98	0.083	2.108	3.070	2.063	H58	2,830	410
	2 5/8	66.68	0.095	2.413	4.355	2.926	H58	2,620	380
	3 1/8	79.38	0.109	2.769	5.957	4.003	H58	2,520	360
	3 5/8	92.08	0.120	3.048	7.620	5.120	H58	2,390	340
	4 1/8	104.78	0.134	3.404	9.690	6.511	H58	2,340	340
	5 1/8	130.18	0.160	4.064	14.392	9.671	H58	2,250	320
	6 1/8	155.58	0.192	4.877	20.638	13.868	H58	2,260	320
	8 1/8	206.38	0.271	6.883	38.558	25.909	H58	2,410	340

* Pressure ratings for K, L, MDW and refrigeration tube are calculated for annealed tube and for use when jointing is made using a heat source. Hard drawn tube has higher pressure ratings which will only be maintained when non-heat source jointing methods are used. This information is key when systems are designed.



II . SIZE TABLE OF PANCAKE COIL - PRESSURE = 700 PSI

Type	OD		Wall Thickness (Inch/mm)		WEIGHT		Temper Quality	Safe Working Pressure at service temperature	
	Inch	mm	Inch	mm	kg/m	lb/ft		65°C	149°F
								kPa	psi
SOFT COIL ASTM B280 ACR STANDARD	1/4	6.35	0.030	0.762	0.120	0.080	O60	9,340	1,350
	5/16	7.94	0.032	0.813	0.163	0.109	O60	7,850	1,130
	3/8	9.53	0.032	0.813	0.199	0.134	O60	6,440	930
	1/2	12.70	0.032	0.813	0.271	0.182	O60	4,750	680
	5/8	15.88	0.035	0.889	0.374	0.251	O60	4,120	590
	3/4	19.05	0.035	0.889	0.453	0.305	O60	3,410	490
	7/8	22.23	0.045	1.143	0.677	0.455	O60	3,770	540
	1 1/8	28.58	0.050	1.270	0.974	0.654	O60	3,240	470
SOFT COIL ASTM B280 TYPE K ACR HEAVY	3/8	9.53	0.035	0.889	0.216	0.145	O60	7,090	1,020
	1/2	12.70	0.049	1.245	0.400	0.269	O60	7,480	1,080
	5/8	15.88	0.049	1.245	0.512	0.344	O60	5,880	850
	3/4	19.05	0.049	1.245	0.622	0.418	O60	4,850	700
	7/8	22.23	0.065	1.651	0.954	0.641	O60	5,550	800
	1 1/8	28.58	0.065	1.651	1.248	0.839	O60	4,260	610
SOFT COIL ASTM B743 ACR ECONOMY	1/4	6.35	0.024	0.610	0.098	0.066	O60	7,320	1,060
	5/16	7.94	0.024	0.610	0.126	0.084	O60	5,760	830
	3/8	9.53	0.024	0.610	0.153	0.103	O60	4,750	680
	1/2	12.70	0.028	0.711	0.239	0.161	O60	4,120	590
	5/8	15.88	0.028	0.711	0.303	0.204	O60	3,260	470
	3/4	19.05	0.032	0.813	0.416	0.280	O60	3,110	450
	7/8	22.23	0.037	0.940	0.562	0.378	O60	3,080	440





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