

ASCO

COPPER TUBE & COIL

MADE IN KOREA



ALSAYED CENTER
HVACR SOLUTION PROVIDER

مركز السيد
حلول التبريد والتكييف والتدفئة



Seamless Copper Tube for

Air Conditioning and Refrigeration Field Service

ASTM B280

I. SIZETABLE OF B280 STRAIGHT TUBE

※ Yellow Block : UL 700Psi Certified Size

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
	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
	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

ASTM B280
ACR Type - L

ASTM B280
ACR Type - K

※ Pressure ratings for K, L, M DWV 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.



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II. SIZE TABLE OF PANCAKE COIL

※ Yellow Block : UL 700Psi Certified Size



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 B 280 ACR Standart	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 B280 Type K Heavy Coil	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 B743 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

III. MARKING AND INCISING

ITEM	PRODUCT TYPE	Standard Marking		Note
		Ink Marking (Durable)	Incising (Permanent)	
B280 STANDARD	S/TUBE	ACR, Trademark, OD, Origin	Trademark, ACR	Blue Ink
B280 TYPE K HEAVY	S/TUBE	ACR TYPE K, Trademark, OD, Origin	Trademark, ACR TYPE K	Green Ink
B280 STANDARD	COIL	Not required by standard	Trademark, ACR	Black Ink
B280 TYPE K HEAVY	COIL	Not required by standard	Trademark, ACR TYPE K	Black Ink
B743 ECONOMY	COIL	Not required by standard	N/A	Black Ink

IV. FINISHING

CLEANLINESS	END-CAP
0.038g / m2	Required by the Standard



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