



## Copper Alloy Grade Chart

Alloy Group	Alloy UNS No.*	Chemical Analysis %									Density		Temper**	Tensile Rm (min)		Yield Rp 0.2%	
		Cu	Fe	Pb	As	Sn(1)	Zn	Mn	Ni(2)	Other	g/cm3	lb/in3		ksi	MPa	ksi	MPa
Copper Alloys	DHP Copper C12200	99.9 min								P .015-.040	8.94	0.323	ANN	36	250	30	205
	Red Brass C23000	84.0-86.0	.05	.05							8.75	0.316	ANN	40	275	12	85
	Admiralty brass C44300	70.0-73.0	.06	.07	.02-.06	.8-1.2	Rem.				8.53	0.308	ANN	45	310	15	105
	C68700	76.0-79.0	.06	.07	.02-.06		Rem.			Al 1.8-2.5	8.33	0.301	ANN	50	345	18	125
	C72200	Rem.	.50-1.0	.05			1.0	1.0	15.0-18.0		8.94	0.323	ANN	45	310	16	110
	Copper Nickel 90/10 C70600	Rem.	1.0-1.8	.05			1.0	.07	9.0-11.0		8.94	0.323	ANN	40	275	15	105
	Copper Nickel 70/30 C71500	Rem.	.40-1.0	.05			1.0	1.0	29.0-33.0		8.94	0.323	ANN	52	360	18	125

\* Specialty Copper Alloys are available upon request.  
 \*\* Hard drawn and light drawn tempers also available.

## Seamless Pressure Tubing Range of Sizes

- Standard size range
- Available by Custom Order

Outside Diameter	Minimum Wall																			
	mm	0.71	0.89	1.2	1.5	1.7	1.8	2.1	2.4	2.7	2.8	3.0	3.4	3.8	4.0	4.2	4.8	5.2	5.6	6.4
	in.	0.028	0.035	0.049	0.060	0.065	0.072	0.083	0.095	0.105	0.109	0.120	0.134	0.150	0.156	0.165	0.180	0.203	0.219	0.250
6.35	0.250	Standard	Standard																	
9.525	0.375	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
12.7	0.500	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
15.9	0.625	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
19.1	0.750	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
22.2	0.875	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
25.4	1.000	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
31.8	1.250	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
38.1	1.500	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
41.3	1.625	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
42.2	1.660	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
44.5	1.750	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
48.3	1.900	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
50.8	2.000	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
57.2	2.250	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
60.3	2.375	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
63.5	2.500	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
69.9	2.750	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
73.0	2.875	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
76.2	3.000	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

For sizes not shown on this chart, please inquire about availability.



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