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PIPE / TUBING CHART

NAVY / MIL-T-16420K

OD TUBING	OD	Wall Thickness per MIL-T-16420K (minimum)					
		Class 50	Class 200	Class 700	Class 1650	Class 3300	Class 6000
1/8" OD	0.125					0.028	0.028
1/4" OD	0.250		0.035			0.035	0.058
3/8" OD	0.375					0.049	0.083
1/2" OD	0.500		0.035	0.065	0.035	0.072	0.120
3/4" OD	0.750				0.058	0.109	0.165
1" OD	1				0.072	0.134	0.220
1 1/4" OD	1.250				0.095	0.165	0.284
1 1/2" OD	1.500				0.109	0.203	0.340
2" OD	2				0.148	0.284	0.454
2 1/2" OD	2.500				0.180	0.340	0.547

COMPOSITION:

- 70/30 Copper Nickel (copper alloy 715)
- 90/10 Copper Nickel (copper alloy 706)

TYPE:

- 1 - Seamless
- 2 - Welded

CLASS:

- 50 (50 lb/in² maximum working pressure - Type 2 ONLY)
- 200 (200 lb/in² maximum working pressure)
- 700 (700 lb/in² maximum working pressure)
- 1650 (650 lb/in² maximum working pressure)
- 3300 (3300 lb/in² maximum working pressure - Type 1 ONLY)
- 6000 (6000 lb/in² maximum working pressure - Type 1 ONLY)

GRADE:

- 1. Material supplied without heat identification.
- 2. Material supplied with heat identification.

Nominal Pipe Size (NPS/IPS)	OD	Wall Thickness per MIL-T-16420K (minimum)					
		Class 50	Class 200	Class 700	Class 1650	Class 3300	Class 6000
1/8"	0.405					0.058	0.095
1/4"	0.540		0.065	0.065	0.042	0.072	0.120
3/8"	0.675		0.065	0.072	0.049	0.095	0.148
1/2"	0.840		0.065	0.072	0.058	0.120	0.203
3/4"	1.050		0.065	0.083	0.083	0.148	0.238
1"	1.315		0.065	0.095	0.095	0.180	0.300
1 1/4"	1.660		0.072	0.095	0.120	0.220	0.380
1 1/2"	1.900		0.072	0.109	0.134	0.250	0.425
2"	2.375		0.083	0.120	0.165	0.340	0.520
2 1/2"	2.875		0.083	0.134	0.203	0.380	0.630
3"	3.500		0.095	0.165	0.250	0.458	0.760
3 1/2"	4		0.095	0.180	0.284		
4"	4.500		0.109	0.203	0.340		
4 1/2"	5		0.120	0.203	0.380		
5"	5.563		0.125	0.220	0.425		
6"	6.625		0.134	0.259	0.457		
7"	7.625		0.134	0.284	0.526		
8"	8.625		0.148	0.340	0.595		
9"	9.625		0.187	0.340	0.664		
10"	10.750	0.134	0.187	0.380	0.741		
12"	12.750	0.156	0.250	0.454	0.879		
14"	14	0.165		0.473			
16"	16	0.165		0.534			
18"	18	0.180					
20"	20	0.180					
22"	22	0.180					
24"	24	0.250					
26"	26						
28"	28						
30"	30	0.250					
32"	32						
34"	34						
36"	36						
38"	38						
40"	40	0.312					
42"	42						
44"	44						

