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Metric Piping Chart Outside Diameter Comparison

Nominal Size		Carbon Steel Pipe - OD (mm)				Cu-Ni Pipe - OD (mm)		
Inch	Metric	KS/JIS (Standard)	ASTM	ISO Rule	DIN	Metric	Inch	Other Europe Size
1/8	3.2	10.5	10.3	10.2	10.2			
1/4	6.4	13.8	13.7	13.5	13.5			
3/8	9.5	17.3	17.1	17.2	17.2			
1/2	12.7	21.7	21.3	21.3	21.3			
3/4	20	27.2	26.7	26.9	26.9			26.9
1	25	34	33.4	33.7	33.7	30	28.24	33.7
1-1/4	32	42.7	42.2	42.4	42.4	38	34.59	38
1-1/2	40	48.6	48.3	48.3	48.3	44.5	40.94	44.5
	50							54
	50							57
2	50	60.5	60.3	60.3	60.3	57	54.05	60.3
	65							69
2-1/2	65	76.3	73	76.1	76.1	76.1	66.75	76.1
								84
3	80	89.1	88.9	88.9	88.9	88.9	79.85	88.9
3-1/2	90	101.6	101.6	101.6				
4	100							104
								108
4	100	114.3	114.3	114.3	114.3	108	106.27	114.3
								129
5	125	139.8	141.3	139.7	139.7	133	131.67	139.7
								154
6	150	165.2	168.3	168.3	168.3	159	157.68	168.3
								204
8	200	216.3	219.1	219.1	219.1	219	208.48	219
								254
								267
10	250	267.4	273.1	273	273	267	260.5	273
								304
12	300	318.5	323.9	323.9	323.9	323.9	312.11	323.9
14	350	355.6	355.6	355.6	355.6	368	363.72	
16	400	406.4	406.4	406.4	406.4	419	414.52	
18	450	457.2	457.2	457.2	457.2	457.2	465.32	
20	500	508	508	508	508	508	516.94	