JAMES DUVA INC.

PIPE DIMENSIONS

The Upper Figures denote Inside Diameter. The Middle Figures (in blue) denote nominal wall thickness. The Lower Figures denote weight per foot in pounds.

IPS	O.D.	5S	10S	10	20	S/30	40s STD	40	S/60	80sXH	80	S/100	S/120	S/140	S/160	S/XXH
12	12.75	12.438	12.390		12.250	12.090	12.000	11.938	11.626	11.750	11.376	11.064	10.075	10.500	10.126	
		.165	.180		.250	.330	.375	.406	.562	.500	.688	.844	1.000	1.125	1.312	
		22.18	24.20		33.38	43.77	49.56	53.53	73.16	65.42	88.51	107.2	125.5	139.7	160.3	
14	14.00	13.688	13.624	13.500	13.376	13.250	13.250	13.124	12.814	13.000	12.500	12.126	11.814	11.500	11.188	
		.156	.188	.250	.312	.375	.375	.437	.594	.500	.750	.938	1.094	1.250	1.406	
		23.00	28.00	36.71	45.68	54.57	54.57	63.37	84.91	72.09	106.1	130.7	150.7	170.2	189.1	
16	16.00	15.670	15.624	15.500	15.376	15.250	15.250	15.000	14.688	15.000	14.314	13.938	13.564	13.124	12.814	
		.165	.188	.250	.312	.375	.375	.500	.656	.500	.844	1.031	1.219	1.438	1.593	
		28.00	32.00	42.05	52.36	62.58	62.58	82.77	107.5	82.77	136.5	164.8	192.3	223.5	245.1	
18	18.00	17.670	17.624	17.500	17.376	17.124	17.250	16.875	16.500	17.000	16.126	15.688	15.250	14.876	14.438	
		.165	.188	.250	.312	.437	.375	.562	.750	.500	.938	1.156	1.375	1.562	1.781	
		32.00	36.00	47.39	59.03	82.05	70.59	104.8	138.2	93.45	170.8	208.0	244.1	274.2	308.5	
20	20.00	19.624	19.564	19.500	19.250	19.000	19.250	18.814	18.376	19.000	17.938	17.438	17.000	16.500	16.054	
		.188	.188	.250	.375	.500	.375	.594	.812	.500	1.031	1.281	1.500	1.750	1.968	
		40.00	40.00	52.73	78.60	104.1	78.60	112.9	166.4	104.1	208.9	256.1	296.4	341.1	379.0	
22	22.00			21.500	21.250	21.000	21.250		20.250	21.000	19.375	19.286	18.375	18.250	17.375	
				.250	.375	.500	.375		.875	.500	1.125	1.357	1.625	1.875	2.125	
				58.07	86.61	114.81	86.61		197.42	114.81	250.82	302.88	353.61	403.01	451.07	
24	24.00	23.564	23.500	23.500	23.250	22.876	23.250	22.676	22.064	23.000	21.564	20.938	20.376	19.876	19.314	
		.218	.188	.250	.375	.562	.375	.687	.969	.500	1.219	1.531	1.812	2.062	2.343	
		55.00	48.00	63.41	94.62	140.8	94.62	171.2	238.1	125.5	296.4	367.4	429.4	483.1	541.9	
26	26.00			25.376			25.250			25.000						
				.312			.375			.500						
				85.73			102.63			136.17						
30	30.000			29.376	29.000	28.750	29.250			29.000						
				.312	.500	.625	.375			.500						
				99.08	157.0	196.08	118.65			157.53						
34	34.00			33.376		32.750	33.250	32.624		33.000						
				.312		.625	.375	.688		.500						
				112.43		222.78	134.67	244.60		178.89						
36	36.00			35.376	35.000	34.750	32.250	34.500		35.000						
				.312	.500	.625	.375	.688		.500						
				119.11	189.0	236.13	142.68	282.36		189.57						
42	42.00					40.750	41.250	40.624		41.000						
						.625	.375	.688		.500						
						276.17	166.71	330.41		221.61						
48	48.00						47.250			47.000						
							.375			.500						
							190.00			253.00						

To calculate the theoretical weight of various metals multiply the weight of an equivalent piece of steel by the appropriate factor:

Aluminum 364	Hastelloy X 1.061	17-4PH 1.007	Titanium 582
Copper 1.145	Inco 718 . . . . . .1.061	Magnesium 228	Tungsten 2.464
Columbium 1.107	Inconel 1.118	Molybdenum 1.321	Waspaloy 1.057
Cu-Nickel 70/30 . . . . . .1.180	Multimet 1.057	Monel 1.139	Zirconium 835
Hastelloy B 1.192	Nickel 1.146	Stellite 25 . . . . . .1.179	
Hastelloy C 1.154	Rene 41 . . . . . .1.064	Tantanium 2.142	

To calculate weight per ft. for round steel tubing:
Diameter minus wall times wall times 10.68 = Wt. per ft.
D – W (W) 10.68 = Wt per ft.

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