

JIS G 3444 Pipe Weight Chart

Outside diameter	Wall thickness	Unit mass	Radius of gyration of cross-section	Sectional area	Geometrical moment of inertia	Section modulus
mm	mm	kg/m	cm	cm ²	cm ⁴	cm ³
21.7	2.0	0.972	0.700	1.238	0.607	0.560
27.2	2.0	1.24	0.890	1.583	1.26	0.930
27.2	2.3	1.41	0.880	1.799	1.41	1.03
34.0	2.3	1.80	1.12	2.291	2.89	1.70
42.7	2.3	2.29	1.43	2.919	5.97	2.80
42.7	2.5	2.48	1.42	3.157	6.40	3.00
48.6	2.3	2.63	1.64	3.345	8.99	3.70
48.6	2.5	2.84	1.63	3.621	9.65	3.97
48.6	2.8	3.16	1.62	4.029	10.6	4.36
48.6	3.2	3.58	1.61	4.564	11.8	4.86
60.5	2.3	3.30	2.06	4.205	17.8	5.90
60.5	3.2	4.52	2.03	5.760	23.7	7.84
60.5	4.0	5.57	2.00	7.100	28.5	9.41
76.3	2.8	5.08	2.60	6.465	43.7	11.5
76.3	3.2	5.77	2.59	7.349	49.2	12.9
76.3	4.0	5.57	2.58	7.100	59.5	15.6
89.1	2.8	5.96	3.05	7.591	70.7	15.9
89.1	3.2	6.78	3.04	8.636	79.8	17.9
101.6	3.2	7.76	3.48	9.892	120	23.6
101.6	4.0	9.63	3.45	12.26	146	28.8
101.6	5.0	11.9	3.42	15.17	177	34.9
114.3	3.2	8.77	3.93	11.17	172	30.2
114.3	3.5	9.56	3.92	12.18	187	32.7

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114.3	4.5	12.2	3.89	15.52	234	41
139.8	3.6	12.1	4.82	15.4	357	51.1
139.8	4.0	13.4	4.80	17.07	394	56.3
139.8	4.5	15.0	4.79	19.13	438	62.7
139.8	6.0	19.8	4.74	25.22	566	80.9
165.2	4.5	17.8	5.68	22.72	734	88.9
165.2	6.0	23.6	5.63	30.01	952	115
165.2	7.1	27.7	5.60	35.26	110×10	134
190.7	4.5	20.7	6.59	26.32	114×10	120
190.7	5.3	24.2	6.56	30.87	133×10	139
190.7	6.0	27.3	6.53	34.82	149×10	156
190.7	7.0	31.7	6.50	40.40	171×10	179
190.7	8.2	36.9	6.46	47.01	196×10	206
216.3	4.5	23.5	7.49	29.94	168×10	155
216.3	5.8	30.1	7.45	38.36	213×10	197
216.3	6.0	31.1	7.44	39.64	219×10	203
216.3	7.0	36.1	7.40	46.03	252×10	233
216.3	8.0	41.1	7.37	52.35	284×10	263
216.3	8.2	42.1	7.36	53.61	291×10	269
267.4	6.0	38.7	9.24	49.27	421×10	315
267.4	6.6	42.4	9.22	54.08	460×10	344
267.4	7.0	45	9.21	57.26	486×10	363
267.4	8.0	51.2	9.18	65.19	549×10	411

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267.4	9.0	57.3	9.14	73.06	611×10	457
267.4	9.3	59.2	9.13	75.41	629×10	470
318.5	6.0	46.2	11.1	58.91	719×10	452
318.5	6.9	53.0	11.0	67.55	820×10	515
318.5	8.0	61.3	11.0	78.04	941×10	591
318.5	9.0	68.7	10.9	87.51	105×10 ²	659
318.5	10.3	78.3	10.9	99.73	119×10 ²	744
355.6	6.4	55.1	12.3	70.21	107×10 ²	602
355.6	7.9	67.7	12.3	86.29	130×10 ²	734
355.6	9.0	76.9	12.3	98	147×10 ²	828
355.6	9.5	81.1	12.2	103.3	155×10 ²	871
355.6	12.0	102	12.2	129.5	191×10 ²	108×10
355.6	12.7	107	12.1	136.8	201×10 ²	113×10
406.4	7.9	77.6	14.1	98.90	196×10 ²	967
406.4	9.0	88.2	14.1	112.4	222×10 ²	109×10
406.4	9.5	93	14	118.5	233×10 ²	115×10
406.4	12.0	117	14	148.7	289×10 ²	142×10
406.4	12.7	123	13.9	157.1	305×10 ²	150×10
406.4	16	154	13.8	196.2	374×10 ²	184×10
406.4	19.0	182	13.7	231.2	435×10 ²	214×10
457.2	9.0	99.5	15.8	126.7	318×10 ²	140×10
457.2	9.5	105	15.8	133.6	335×10 ²	147×10
457.2	12.0	132	15.7	167.8	416×10 ²	182×10

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457.2	12.7	139	15.7	177.3	438×10 ²	192×10
457.2	16.0	174	15.6	221.8	540×10 ²	236×10
457.2	19.0	205	15.5	261.6	629×10 ²	275×10
500.0	9.0	109	17.4	138.8	418×10 ²	167×10
500.0	12.0	144	17.4	184.0	548×10 ²	219×10
500.0	14.0	168	17.2	213.8	632×10 ²	253×10
508.0	7.9	97.4	17.7	124.1	388×10 ²	153×10
508.0	9.0	111	17.6	141.1	439×10 ²	173×10
508.0	9.5	117	17.6	148.8	462×10 ²	182×10
508.0	12.0	147	17.5	187.0	575×10 ²	227×10
508.0	12.7	155	17.5	197.6	606×10 ²	239×10
508.0	14.0	171	17.5	217.3	663×10 ²	261×10
508.0	16.0	194	17.4	247.3	749×10 ²	295×10
508.0	19.0	229	17.3	291.9	874×10 ²	344×10
508.0	22.0	264	17.2	335.9	994×10 ²	391×10
558.8	9.0	122	19.4	155.5	588×10 ²	210×10
558.8	12.0	162	19.3	206.1	771×10 ²	276×10
558.8	16.0	214	19.2	272.8	101×10m ³	360×10
558.8	19.0	253	19.1	322.2	118×10m ³	421×10
558.8	22.0	291	19.0	371.0	134×10m ³	479×10
600	9.0	131	20.9	167.1	730×10 ²	243×10
600	12.0	174	20.8	221.7	958×10 ²	350×10
600	14.0	202	20.7	257.7	111×10 ³	369×10

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mm	mm	kg/m	cm	cm ²	cm ⁴	cm ³
600	16.0	230	20.7	293.6	125×10 ³	418×10
609.6	9	133	21.2	169.8	766×10 ²	251×10
609.6	9.5	141	21.2	179.1	806×10 ²	265×10
609.6	12	177	21.2	225.3	101×10 ³	330×10
609.6	12.7	187	21.1	238.2	106×10 ³	348×10
609.6	14	206	21.1	262	116×10 ³	381×10
609.6	16	234	21	298.4	132×10 ³	434×10
609.6	19	277	20.9	352.5	154×10 ³	505×10
609.6	22	319	20.8	406.1	176×10 ³	576×10
700	9	153	24.4	195.4	117×10 ³	333×10
700	12	204	24.3	259.4	154×10 ³	439×10
700	14	237	24.3	301.7	178×10 ³	507×10
700	16	270	24.2	343.8	201×10 ³	575×10
711.2	9	156	24.8	198.5	122×10 ³	344×10
711.2	12	207	24.7	263.6	161×10 ³	453×10
711.2	14	241	24.7	306.6	186×10 ³	524×10
711.2	16	274	24.6	349.4	211×10 ³	594×10
711.2	19	324	24.5	413.2	248×10 ³	696×10
711.2	22	374	24.4	476.3	283×10 ³	796×10
812.8	9	178	28.4	227.3	184×10 ³	452×10
812.8	12	237	28.3	301.9	242×10 ³	596×10
812.8	14	276	28.2	351.3	280×10 ³	690×10
812.8	16	314	28.2	400.5	318×10 ³	782×10

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812.8	19	372	28.1	473.8	373×10 ³	919×10
812.8	22	429	28	546.6	428×10 ³	105×10
914.4	12	267	31.9	340.2	348×10 ³	758×10
914.4	14	311	31.8	396	401×10 ³	878×10
914.4	16	354	31.8	451.6	456×10 ³	997×10
914.4	19	420	31.7	534.5	536×10 ³	117×10 ²
914.4	22	484	31.5	616.5	614×10 ³	134×10 ²
1016	12	297	35.5	378.5	477×10 ³	939×10
1016	14	346	35.4	440.7	553×10 ³	109×10 ²
1016	16	395	35.4	502.7	628×10 ³	124×10 ²
1016	19	467	35.2	595.1	740×10 ³	146×10 ²
1016	22	539	35.2	687	849×10 ³	167×10 ²