

# Mechanical Joint Pipe

## Pressure & Special Thickness Classes

Pipe Dimensions					Pipe Weights				
Nominal Pipe Size (in.)	Pressure Class	Thickness Class	Pipe Thickness (in.)	Pipe O.D. (in.)	Weight of pipe barrel per foot (lbs.)	18-foot Laying Lengths		20-foot Laying Lengths	
						Weight per length (lbs.)	Average weight per foot** (lbs.)	Weight per length (lbs.)	Average weight per foot** (lbs.)
3	350	51	0.25	3.96	8.9	171	9.5		
		52	0.28		9.9	189	10.5		
		53	0.31		10.9	207	11.5		
		54	0.34		11.8	224	12.4		
		55	0.37		12.8	242	13.4		
		56	0.40		13.7	258	14.3		
4	350	51	0.25	4.80	10.9	211	11.7		
		52	0.26		11.3	218	12.1		
		53	0.29		12.6	241	13.4		
		54	0.32		13.8	263	14.6		
		55	0.35		15.0	284	15.8		
		56	0.38		16.1	304	16.9		
6	350	50	0.25	6.90	16.0	309	17.2	341	17.1
		51	0.28		17.8	342	19.0	377	18.9
		52	0.31		19.6	374	20.8	413	20.7
		53	0.34		21.4	406	22.6	449	22.5
		54	0.37		23.2	439	24.4	485	24.2
		55	0.40		25.0	471	26.2	521	26.1
8	350	50	0.25	9.05	21.1	408	22.7	451	22.6
		51	0.27		22.8	439	24.4	485	24.3
		52	0.30		25.2	482	26.8	533	26.7
		53	0.33		27.7	527	29.3	583	29.2
		54	0.36		30.1	570	31.7	631	31.6
		55	0.39		32.5	614	34.1	679	34.0
10	350	50	0.26	11.10	27.1	524	29.1	578	28.9
		51	0.29		30.1	578	32.1	638	31.9
		52	0.32		33.2	634	35.2	700	35.0
		53	0.35		36.2	688	38.2	760	38.0
		54	0.38		39.2	742	41.2	820	41.0
		55	0.41		42.1	794	44.1	878	43.9
12	350	50	0.28	13.20	34.8	672	37.3	741	37.1
		51	0.31		38.4	736	40.9	813	40.7
		52	0.34		42.0	801	44.5	885	44.3
		53	0.37		45.6	866	48.1	957	47.8
		54	0.40		49.2	931	51.7	1029	51.5
		55	0.43		52.8	996	55.3	1101	55.1
		56	0.46		56.3	1059	58.8	1171	58.6
		56	0.49		59.9	1123	62.4	1243	62.2

Standard Dimensions and Weights per ANSI/AWWA C151

\*\* "Average weight per foot" shown in tables includes the weight of the bell

## Pressure & Special Thickness Classes (continued)

Pipe Dimensions					Pipe Weights				
Nominal Pipe Size (in.)	Pressure Class	Thickness Class	Pipe Thickness (in.)	Pipe O.D. (in.)	Weight of pipe barrel per foot (lbs.)	18-foot Laying Lengths		20-foot Laying Lengths	
						Weight per length (lbs.)	Average weight per foot** (lbs.)	Weight per length (lbs.)	Average weight per foot** (lbs.)
14	250		0.28	15.30	40.4	798	44.3	879	48.8
	300		0.30		43.3	850	47.2	937	46.9
	350		0.31		44.7	875	48.6	965	48.3
		50	0.33		47.5	926	51.4	1021	51.0
		51	0.36		51.7	1001	55.6	1105	55.3
		52	0.39		55.9	1077	59.8	1189	59.5
		53	0.42		60.1	1153	64.0	1273	63.7
		54	0.45		64.2	1226	68.1	1355	67.8
		55	0.48		68.4	1302	72.3	1439	72.0
		56	0.51	72.5	1376	76.4	1521	76.0	
16	250		0.30	17.40	49.3	973	54.0	1071	53.6
	300		0.32		52.5	1030	57.2	1135	56.8
	350	50	0.34		55.8	1090	60.6	1201	60.1
		51	0.37		60.6	1176	65.3	1297	64.9
		52	0.40		65.4	1263	70.2	1393	69.7
		53	0.43		70.1	1347	74.8	1487	74.3
		54	0.46		74.9	1434	79.7	1583	79.2
		55	0.49		79.7	1520	84.4	1679	84.0
			56		0.52	84.4	1605	89.2	1773
18	250		0.31	19.50	57.2	1129	62.7	1243	62.1
	300		0.34		62.6	1226	68.1	1351	67.6
	350		0.36		66.2	1291	71.1	1423	71.2
		50	0.35		64.4	1256	69.8	1387	69.4
		51	0.38		69.8	1356	75.3	1495	74.8
		52	0.41		75.2	1453	80.7	1603	80.2
		53	0.44		80.6	1550	86.1	1711	85.6
		54	0.47		86.0	1647	91.5	1819	91.0
		55	0.50		91.3	1743	96.8	1925	96.3
		56	0.53	96.7	1840	102.2	2033	101.7	
20	250		0.33	21.60	67.5	1328	73.8	1463	73.1
	300	50	0.36		73.5	1436	79.7	1583	79.2
	350		0.38		77.5	1508	83.8	1663	83.1
		51	0.39		79.5	1544	85.8	1703	85.2
		52	0.42		85.5	1652	91.8	1823	91.2
		53	0.45		91.5	1760	97.7	1943	97.2
		54	0.48		97.5	1868	103.7	2063	103.2
		55	0.51		103.4	1974	109.7	2181	109.1
			56		0.54	109.3	2081	115.6	2299
24	200		0.33	25.80	80.8	1597	88.7	1758	87.9
	250		0.37		90.5	1771	98.4	1952	97.6
	300		0.40		97.7	1901	105.6	2096	104.8
	350		0.43		104.9	2031	112.8	2240	112.0
		50	0.38		92.9	1815	100.8	2000	100.0
		51	0.41		100.1	1944	108.0	2144	107.2
		52	0.44		107.3	2074	115.2	2288	114.4
		53	0.47		114.4	2202	122.3	2430	121.5
		54	0.50		121.6	2331	129.5	2574	128.7
	55	0.53	128.8	2461	136.7	2716	135.8		
		56	0.56	135.9	2589	143.8	2860	143.0	

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