

QT-800 Technical Data Sheet

Specified

Outside Diameter, D		Wall Thickness, t		Calculated Inside Diameter, d		Plain End Mass, M _{pe}		Pipe Metal Cross Sectional Area, A		Pipe Body Yield Load, L _y		Tensile Load, L _t		Internal Yield Pressure, P _y		Hydro Test Pressure, P _t		Torsional Yield Strength, T _y	
in	mm	in	mm	in	mm	lb/ft	kg/m	in ²	mm ²	lb	kg	lb	kg	psi	MPa	psi	MPa	ft-lb	N-m
2 3/8	60.3	0.134	3.4	2.107	53.5	3.210	4.776	0.943	608.4	75,470	34,220	84,910	38,500	8,690	59.9	7,000	48.0	3,850	5,220
2 3/8	60.3	0.145	3.7	2.085	52.9	3.457	5.142	1.016	655.1	81,270	36,850	91,430	41,450	9,430	65.1	7,500	52.0	4,110	5,570
2 3/8	60.3	0.156	4.0	2.063	52.4	3.700	5.505	1.088	701.3	87,000	39,450	97,880	44,380	10,170	70.2	8,100	56.1	4,360	5,910
2 3/8	60.3	0.175	4.4	2.025	51.4	4.116	6.123	1.210	780.0	96,760	43,870	108,860	49,350	11,450	79.0	9,200	63.2	4,770	6,470
2 3/8	60.3	0.188	4.8	1.999	50.7	4.395	6.539	1.292	833.0	103,340	46,850	116,250	52,710	12,330	85.0	9,900	68.0	5,040	6,830
2 3/8	60.3	0.203	5.2	1.969	50.0	4.713	7.012	1.385	893.3	110,810	50,240	124,670	56,520	13,340	92.0	10,700	73.6	5,340	7,240
2 3/8	60.3	0.224	5.7	1.927	48.9	5.151	7.659	1.514	975.7	121,100	54,880	136,230	61,740	14,750	101.7	11,800	81.4	5,740	7,780
2 3/8	60.3	0.236	6.0	1.903	48.3	5.396	8.028	1.586	1,022.6	126,870	57,520	142,730	64,710	15,560	107.3	12,400	85.9	5,950	8,070
2 3/8	60.3	0.250	6.4	1.875	47.6	5.679	8.449	1.669	1,076.3	133,520	60,530	150,210	68,100	16,510	113.8	13,200	91.1	6,190	8,390
2 3/8	66.7	0.156	4.0	2.313	58.8	4.117	6.131	1.210	781.0	96,800	43,930	108,900	49,420	9,200	63.4	7,400	50.7	5,430	7,360
2 3/8	66.7	0.175	4.4	2.275	57.8	4.583	6.824	1.347	869.4	107,760	48,900	121,230	55,010	10,360	71.4	8,300	57.1	5,960	8,080
2 3/8	66.7	0.188	4.8	2.249	57.1	4.898	7.292	1.439	929.0	115,150	52,250	129,540	58,780	11,150	76.9	8,900	61.5	6,300	8,540
2 3/8	66.7	0.203	5.2	2.219	56.4	5.256	7.826	1.545	996.9	123,570	56,070	139,020	63,080	12,070	83.2	9,700	66.5	6,690	9,070
2 3/8	66.7	0.224	5.7	2.177	55.3	5.749	8.557	1.690	1,090.1	135,170	61,310	152,070	68,980	13,350	92.0	10,700	73.6	7,200	9,760
2 3/8	66.7	0.236	6.0	2.153	54.7	6.027	8.974	1.771	1,143.1	141,700	64,300	159,410	72,330	14,080	97.0	11,300	77.6	7,480	10,140
2 3/8	66.7	0.250	6.4	2.125	54.0	6.347	9.451	1.865	1,203.9	149,230	67,720	167,880	76,180	14,930	102.9	11,900	82.3	7,800	10,580
2 7/8	73.0	0.156	4.0	2.563	65.1	4.534	6.746	1.333	859.4	106,600	48,340	119,930	54,380	8,400	58.0	6,700	46.4	6,620	8,980
2 7/8	73.0	0.175	4.4	2.525	64.1	5.051	7.515	1.484	957.3	118,750	53,850	133,600	60,580	9,460	65.3	7,600	52.2	7,270	9,860
2 7/8	73.0	0.188	4.8	2.499	63.4	5.400	8.034	1.587	1,023.5	126,960	57,570	142,830	64,760	10,180	70.2	8,100	56.2	7,710	10,450
2 7/8	73.0	0.203	5.2	2.469	62.7	5.798	8.627	1.704	1,099.0	136,320	61,810	153,360	69,540	11,020	76.0	8,800	60.8	8,190	11,100
2 7/8	73.0	0.224	5.7	2.427	61.6	6.348	9.441	1.866	1,202.6	149,240	67,640	167,900	76,100	12,190	84.0	9,800	67.2	8,840	11,990
2 7/8	73.0	0.236	6.0	2.403	61.0	6.658	9.905	1.957	1,261.8	156,530	70,970	176,090	79,840	12,860	88.7	10,300	70.9	9,190	12,460
2 7/8	73.0	0.250	6.4	2.375	60.3	7.015	10.437	2.062	1,329.6	164,930	74,790	185,550	84,130	13,630	94.0	10,900	75.2	9,600	13,020
3 1/4	82.6	0.188	4.8	2.874	73.0	6.154	9.165	1.808	1,167.5	144,680	65,670	162,760	73,880	9,010	62.1	7,200	49.7	10,080	13,670
3 1/4	82.6	0.203	5.2	2.844	72.3	6.612	9.848	1.943	1,254.5	155,460	70,560	174,890	79,380	9,750	67.2	7,800	53.7	10,730	14,550
3 1/4	82.6	0.224	5.7	2.802	71.2	7.246	10.787	2.129	1,374.1	170,360	77,290	191,650	86,950	10,780	74.3	8,600	59.4	11,610	15,740
3 1/4	82.6	0.236	6.0	2.778	70.6	7.604	11.324	2.235	1,442.5	178,770	81,140	201,120	91,280	11,370	78.4	9,100	62.7	12,090	16,390
3 1/4	82.6	0.250	6.4	2.750	69.9	8.018	11.941	2.356	1,521.1	188,500	85,560	212,060	96,250	12,060	83.1	9,600	66.5	12,640	17,140
3 1/2	88.9	0.188	4.8	3.124	79.3	6.656	9.907	1.956	1,262.0	156,490	70,980	176,050	79,860	8,370	57.7	6,700	46.1	11,840	16,050
3 1/2	88.9	0.203	5.2	3.094	78.6	7.155	10.649	2.103	1,356.5	168,210	76,300	189,240	85,840	9,050	62.4	7,200	49.9	12,610	17,100
3 1/2	88.9	0.224	5.7	3.052	77.5	7.845	11.671	2.305	1,486.7	184,430	83,620	207,480	94,070	10,010	69.0	8,000	55.2	13,670	18,530
3 1/2	88.9	0.236	6.0	3.028	76.9	8.235	12.255	2.420	1,561.2	193,600	87,810	217,800	98,790	10,560	72.8	8,400	58.2	14,250	19,320
3 1/2	88.9	0.250	6.4	3.000	76.2	8.686	12.927	2.553	1,646.8	204,200	92,630	229,730	104,200	11,200	77.2	9,000	61.8	14,910	20,220

A Minimum wall thickness is 0.005" (0.13 mm) less than specified wall thickness.

B Pressures calculated based on t – 0.005" (0.13 mm).

C Maximum hydrostatic test pressure is 15,000 psi (103 MPa).

D Additional diameters and wall thicknesses may be available upon request.

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