

HS-90™ Grade& Coiled Tubing Data

Dimensions (inches)				Weight (lbs/ft)		Pipe Body Load (lbs)		Internal Pressure (psi)		Tubing Area (sq in)		Torsional Yield (ft-lbs)	
OD spec	Wall spec	Wall min	ID cal	nom	nom	Yield min	Tensile min	Test 90%	Yield min	Wall min	ID min	Yield nom	Ultimate nom
1.000	0.087	0.083	0.826	0.850	22,500	24,200	24,200	13,200	14,700	0.239	0.546	439	476
1.000	0.095	0.090	0.810	0.920	24,300	26,200	26,200	14,300	15,900	0.257	0.528	466	508
1.000	0.102	0.097	0.796	0.981	25,900	27,900	27,900	15,300	17,000	0.275	0.510	491	540
1.000	0.109	0.104	0.782	1.040	27,500	29,600	29,600	16,400	18,200	0.293	0.493	515	570
1.250	0.087	0.083	1.076	1.083	28,600	30,800	30,800	10,600	11,800	0.304	0.923	721	770
1.250	0.095	0.090	1.060	1.175	31,000	33,400	33,400	11,500	12,800	0.328	0.899	769	825
1.250	0.102	0.097	1.046	1.254	33,100	35,700	35,700	12,400	13,800	0.351	0.876	814	879
1.250	0.109	0.104	1.032	1.332	35,200	37,900	37,900	13,200	14,700	0.374	0.853	858	931
1.250	0.116	0.111	1.018	1.408	37,200	40,100	40,100	14,100	15,700	0.397	0.830	900	982
1.250	0.125	0.118	1.000	1.506	39,800	42,900	42,900	14,900	16,600	0.420	0.808	941	1,032
1.250	0.134	0.128	0.982	1.601	42,300	45,600	45,600	16,200	17,900	0.451	0.776	996	1,100
1.250	0.145	0.138	0.960	1.715	45,300	48,800	48,800	17,300	19,300	0.482	0.745	1,048	1,166
1.250	0.156	0.148	0.938	1.827	48,300	52,000	52,000	18,500	20,600	0.512	0.715	1,097	1,229
1.250	0.175	0.167	0.900	2.014	53,200	57,300	57,300	20,700	23,000	0.568	0.659	1,181	1,342
1.500	0.095	0.090	1.310	1.429	37,700	40,700	40,700	9,600	10,700	0.399	1.368	1,148	1,218
1.500	0.102	0.097	1.296	1.527	40,300	43,500	43,500	10,400	11,500	0.428	1.340	1,220	1,300
1.500	0.109	0.104	1.282	1.623	42,900	46,200	46,200	11,100	12,300	0.456	1.311	1,289	1,380
1.500	0.116	0.111	1.268	1.719	45,400	48,900	48,900	11,800	13,100	0.484	1.283	1,357	1,459
1.500	0.125	0.118	1.250	1.840	48,600	52,400	52,400	12,500	13,900	0.512	1.255	1,422	1,536
1.500	0.134	0.128	1.232	1.960	51,800	55,800	55,800	13,600	15,100	0.552	1.215	1,511	1,643
1.500	0.145	0.138	1.210	2.104	55,600	59,900	59,900	14,600	16,200	0.590	1.177	1,596	1,746
1.500	0.156	0.148	1.188	2.245	59,300	63,900	63,900	15,600	17,300	0.629	1.139	1,677	1,846
1.500	0.175	0.167	1.150	2.483	65,600	70,700	70,700	17,500	19,400	0.699	1.068	1,821	2,028
1.500	0.190	0.180	1.120	2.665	70,400	75,800	75,800	18,700	20,800	0.746	1.021	1,911	2,145
1.750	0.109	0.104	1.532	1.915	50,600	54,500	54,500	9,500	10,600	0.538	1.867	1,809	1,918
1.750	0.116	0.111	1.518	2.029	53,600	57,800	57,800	10,200	11,300	0.572	1.834	1,907	2,030
1.750	0.125	0.118	1.500	2.175	57,400	61,900	61,900	10,800	12,000	0.605	1.800	2,003	2,140
1.750	0.134	0.128	1.482	2.318	61,200	66,000	66,000	11,700	13,000	0.652	1.753	2,135	2,294
1.750	0.145	0.138	1.460	2.492	65,800	70,900	70,900	12,600	14,000	0.699	1.706	2,262	2,444
1.750	0.156	0.148	1.438	2.662	70,300	75,800	75,800	13,500	14,900	0.745	1.660	2,384	2,589
1.750	0.175	0.167	1.400	2.951	77,900	84,000	84,000	15,100	16,800	0.831	1.575	2,602	2,855
1.750	0.190	0.180	1.370	3.173	83,800	90,300	90,300	16,200	18,000	0.888	1.517	2,741	3,029
2.000	0.109	0.104	1.782	2.207	58,300	62,800	62,800	8,400	9,300	0.619	2.522	2,416	2,544
2.000	0.116	0.111	1.768	2.340	61,800	66,600	66,600	8,900	9,900	0.659	2.483	2,552	2,696
2.000	0.125	0.118	1.750	2.509	66,300	71,400	71,400	9,500	10,500	0.698	2.444	2,684	2,845
2.000	0.134	0.128	1.732	2.677	70,700	76,200	76,200	10,300	11,400	0.753	2.389	2,867	3,054
2.000	0.145	0.138	1.710	2.880	76,100	82,000	82,000	11,000	12,300	0.807	2.334	3,045	3,258
2.000	0.156	0.148	1.688	3.080	81,300	87,700	87,700	11,800	13,100	0.861	2.280	3,216	3,458
2.000	0.175	0.167	1.650	3.419	90,300	97,300	97,300	13,300	14,800	0.962	2.180	3,525	3,825
2.000	0.190	0.180	1.620	3.682	97,200	104,800	104,800	14,300	15,900	1.029	2.112	3,724	4,066
2.375	0.125	0.118	2.125	3.011	79,500	85,700	85,700	8,000	8,900	0.837	3.593	3,894	4,090
2.375	0.134	0.128	2.107	3.215	84,900	91,500	91,500	8,700	9,600	0.904	3.527	4,170	4,398
2.375	0.145	0.138	2.085	3.462	91,400	98,500	98,500	9,300	10,400	0.970	3.460	4,438	4,700
2.375	0.156	0.148	2.063	3.706	97,900	105,500	105,500	10,000	11,100	1.035	3.395	4,699	4,997
2.375	0.175	0.167	2.025	4.122	108,900	117,300	117,300	11,200	12,500	1.158	3.272	5,175	5,545
2.375	0.190	0.180	1.995	4.445	117,400	126,500	126,500	12,100	13,400	1.241	3.189	5,485	5,908

* Available as continuously milled tubing (CM™) or conventional butt-welded (W™)

QT-800 Coiled Tubing Technical Data — SI Units

Specified			Calculated Inside Diameter		Plain End Weight w _m (kg./m)	Pipe Metal Crosssectional Area A _m (mm ²)	Pipe Body Yield Load L _y (kg.)	Internal Pressure P _m (MPa)	Hydro Test Pressure P _i (MPa)	Collapse Pressure P _c (MPa)	Torsional Yield Strength (Nm)	
Outside D _m (mm)	Diameter D (in.)	Wall t _m mm	Thickness t (in.)	D _m (mm.)								d (in.)
25.4	1.000	2.2	0.087	21.0	0.826	1.264	161.0	88.8	90.5	72.4	83.0	550
25.4	1.000	2.4	0.095	20.6	0.810	1.368	174.3	96.1	99.3	79.4	90.3	580
25.4	1.000	2.6	0.102	20.2	0.796	1.457	185.6	102.4	107	85.6	96.6	610
25.4	1.000	2.8	0.109	19.9	0.782	1.545	196.8	108.6	114.7	91.8	102.8	640
25.4	1.000	3.0	0.118	19.4	0.764	1.656	210.9	116.4	124.7	99.7	110.6	680
25.4	1.000	3.2	0.125	19.1	0.750	1.740	221.7	122.3	132.4	103.4	116.5	700
31.8	1.250	2.2	0.087	27.3	1.076	1.610	205.1	113.1	72.4	57.9	60.9	900
31.8	1.250	2.4	0.095	26.9	1.060	1.746	222.4	122.7	79.4	63.5	71.7	970
31.8	1.250	2.6	0.102	26.6	1.046	1.863	237.3	130.9	85.6	68.5	78.9	1020
31.8	1.250	2.8	0.109	26.2	1.032	1.979	252.1	139.1	91.8	73.4	84.1	1070
31.8	1.250	3.0	0.118	25.8	1.014	2.125	270.7	149.3	99.7	79.8	90.7	1130
31.8	1.250	3.2	0.125	25.4	1.000	2.237	285.0	157.2	105.9	84.7	95.8	1180
31.8	1.250	3.4	0.134	24.9	0.982	2.379	303.1	167.2	113.8	91.1	102.1	1240
31.8	1.250	3.7	0.145	24.4	0.960	2.549	324.7	179.1	123.6	98.8	109.7	1300
31.8	1.250	4.0	0.156	23.8	0.938	2.715	345.9	190.8	133.3	103.4	117.1	1370
31.8	1.250	4.4	0.175	22.9	0.900	2.993	381.3	210.3	150	103.4	129.6	1460
38.1	1.500	2.4	0.095	33.3	1.310	2.124	270.5	149.2	66.2	53.0	51.4	1450
38.1	1.500	2.6	0.102	32.9	1.296	2.269	289.0	159.4	71.3	57.1	59.3	1530
38.1	1.500	2.8	0.109	32.6	1.282	2.412	307.3	169.5	76.5	61.2	67.2	1610
38.1	1.500	3.0	0.118	32.1	1.264	2.595	330.5	182.3	83.1	66.5	76.9	1710
38.1	1.500	3.2	0.125	31.8	1.250	2.735	348.4	192.2	88.3	70.6	81.2	1790
38.1	1.500	3.4	0.134	31.3	1.232	2.912	371.0	204.6	94.9	75.9	86.7	1880
38.1	1.500	3.7	0.145	30.7	1.210	3.126	398.2	219.7	103	82.4	93.4	1990
38.1	1.500	4.0	0.156	30.2	1.188	3.336	425.0	234.4	111.1	88.8	99.9	2100
38.1	1.500	4.4	0.175	29.2	1.150	3.689	470.0	259.2	125	100.0	110.9	2260
38.1	1.500	4.8	0.188	28.5	1.124	3.924	499.9	275.7	134.6	103.4	118.2	2370
44.5	1.750	2.8	0.109	38.9	1.532	2.846	362.5	199.9	65.6	52.4	50.4	2270
44.5	1.750	3.0	0.118	38.5	1.514	3.064	390.3	215.3	71.2	57.0	59.1	2420
44.5	1.750	3.2	0.125	38.1	1.500	3.232	411.7	227.1	75.6	60.5	65.9	2530
44.5	1.750	3.4	0.134	37.6	1.482	3.445	438.9	242.1	81.3	65.1	74.6	2670
44.5	1.750	3.7	0.145	37.1	1.460	3.703	471.7	260.2	88.3	70.6	81.2	2830
44.5	1.750	4.0	0.156	36.5	1.438	3.956	504.0	278.0	95.2	76.1	86.9	2990
44.5	1.750	4.4	0.175	35.6	1.400	4.385	558.6	308.1	107.2	85.7	96.7	3240
44.5	1.750	4.8	0.188	34.9	1.374	4.672	595.2	328.3	115.4	92.3	103.3	3400
44.5	1.750	5.2	0.203	34.1	1.344	4.997	636.5	351.1	124.8	99.9	110.7	3580
50.8	2.000	2.8	0.109	45.3	1.782	3.279	417.8	230.4	57.4	45.9	37.8	3030
50.8	2.000	3.0	0.118	44.8	1.764	3.533	450.1	248.3	62.3	49.9	45.4	3240
50.8	2.000	3.2	0.125	44.5	1.750	3.729	475.0	262.0	66.2	53.0	51.4	3390
50.8	2.000	3.4	0.134	44.0	1.732	3.978	506.8	279.5	71.2	56.9	59.0	3590
50.8	2.000	3.7	0.145	43.4	1.710	4.280	545.2	300.7	77.2	61.8	68.3	3820
50.8	2.000	4.0	0.156	42.9	1.688	4.577	583.0	321.6	83.3	66.6	77.0	4040
50.8	2.000	4.4	0.175	41.9	1.650	5.081	647.3	357.1	93.8	75.0	85.8	4400
50.8	2.000	4.8	0.188	41.2	1.624	5.420	690.5	380.9	100.9	80.8	91.7	4630
50.8	2.000	5.2	0.203	40.5	1.594	5.804	739.4	407.8	109.2	87.4	98.4	4890
60.3	2.375	3.2	0.125	54.0	2.125	4.475	570.0	314.4	55.7	44.6	35.3	4930
60.3	2.375	3.4	0.134	53.5	2.107	4.778	608.6	335.7	59.9	47.9	41.7	5220
60.3	2.375	3.7	0.145	53.0	2.085	5.145	655.4	361.5	65	52.0	49.6	5570
60.3	2.375	4.0	0.156	52.4	2.063	5.508	701.6	387.0	70.1	56.1	57.4	5910
60.3	2.375	4.4	0.175	51.4	2.025	6.126	780.3	430.4	79	63.2	70.9	6470
60.3	2.375	4.8	0.188	50.8	1.999	6.542	833.3	459.7	85	68.0	78.5	6840
60.3	2.375	5.2	0.203	50.0	1.969	7.015	893.7	492.9	92	73.6	84.3	7240
73.0	2.875	3.7	0.145	65.7	2.585	6.298	802.3	442.6	53.7	43.0	32.2	8440
73.0	2.875	4.0	0.156	65.1	2.563	6.749	859.7	474.2	57.9	46.4	38.7	8970
73.0	2.875	4.4	0.175	64.1	2.525	7.518	957.7	528.2	65.2	52.2	49.9	9660
73.0	2.875	4.8	0.188	63.5	2.499	8.037	1023.9	564.7	70.2	56.2	57.6	10450
73.0	2.875	5.2	0.203	62.7	2.469	8.630	1099.4	606.4	76	60.8	66.4	11100
88.9	3.500	3.7	0.145	81.5	3.210	7.740	986.0	543.8	44.1	35.3	20.1	12550
88.9	3.500	4.0	0.156	81.0	3.188	8.300	1057.3	583.2	47.6	38.1	23.6	13690
88.9	3.500	4.4	0.175	80.0	3.150	9.258	1179.4	650.5	53.6	42.9	32.0	15110
88.9	3.500	4.8	0.188	79.3	3.124	9.907	1282.0	696.1	57.7	46.1	38.3	16050