GT 70

Coiled Tubing Technical Data

MECHANICAL PROPERTIES

Specified Min Yield Strength (SMYS)	70,000 psi
Specified Min Tensile Strength (SMTS)	80,000 psi
Max Hardness	22 HRC
Min. Elongation, % (2” Gage Length)	Per API: Min% = 625000 * $Area^{0.2}$ / $SMTS^{0.9}$

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Specified Dimensions				Axial Load Capacity		Pressure Capacity		Torsional Strength		External Displacement per 1000 ft		Internal Capacity per 1000 ft	
Outside Diameter D (in)	Wall Thickness t (in)	Inside Diameter d (in)	Nominal Weight w (lb/ft)	Yield Load Ly (lb) t_{nom}	Tensile Load Lt (lb) t_{nom}	Yield Pressure Y_p (psi)	Hydrotest Pressure 90% Y_p (psi)	Yield (ft/lb) t_{min}	Ultimate (ft/lb) t_{min}	Gallons	Barrels	Gallons2	Barrels3
1.250	0.109	1.032	1.33	27,350	31,260	11,650	10,490	668	763	63.75	1.52	43.45	1.03
1.250	0.116	1.018	1.41	28,930	33,060	12,430	11,190	701	801	63.75	1.52	42.28	1.01
1.250	0.125	1.000	1.51	30,930	35,340	13,220	11,900	732	837	63.75	1.52	40.80	0.97
1.250	0.134	0.982	1.60	32,890	37,580	14,220	12,800	771	881	63.75	1.52	39.34	0.94
1.500	0.109	1.282	1.62	33,340	38,110	9,710	8,740	1,003	1,147	91.80	2.19	67.06	1.60
1.500	0.116	1.268	1.72	35,310	40,350	10,360	9,320	1,056	1,207	91.80	2.19	65.60	1.56
1.500	0.125	1.250	1.84	37,800	43,200	11,010	9,910	1,106	1,264	91.80	2.19	63.75	1.52
1.500	0.134	1.232	1.96	40,250	46,000	11,850	10,670	1,169	1,336	91.80	2.19	61.93	1.47
1.750	0.109	1.532	1.91	39,340	44,950	8,320	7,490	1,408	1,609	124.95	2.97	95.76	2.28
1.750	0.116	1.518	2.03	41,680	47,640	8,880	7,990	1,484	1,696	124.95	2.97	94.02	2.24
1.750	0.125	1.500	2.17	44,670	51,050	9,440	8,500	1,559	1,781	124.95	2.97	91.80	2.19
1.750	0.134	1.482	2.32	47,620	54,420	10,160	9,140	1,651	1,887	124.95	2.97	89.61	2.13
2.000	0.109	1.782	2.21	45,330	51,800	7,280	6,550	1,881	2,149	163.20	3.89	129.56	3.08
2.000	0.116	1.768	2.34	48,060	54,930	7,770	6,990	1,986	2,270	163.20	3.89	127.53	3.04
2.000	0.125	1.750	2.51	51,540	58,910	8,260	7,430	2,089	2,387	163.20	3.89	124.95	2.97
2.000	0.134	1.732	2.68	54,990	62,840	8,890	8,000	2,217	2,534	163.20	3.89	122.39	2.91

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