



DURACOIL 130

Coiled Tubing Technical Data

TOLERANCES

Outside Diameter (mm):	Nominal O.D. ± 0.25	
Wall Thickness (mm):	3.18 to 3.68	(-0.18, +0.31)
	3.96 to 4.45	(-0.20, +0.31)
	4.83 to 7.01	(-0.25, +0.31)

MECHANICAL PROPERTIES

Specified Min Yield Strength (SMYS)	896 N/mm ²
Specified Min Tensile Strength (SMTS)	952 N/mm ²
Min. Elongation, % (2" Gage Length)	Per API: Min% = $625000 * \text{Area}^{0.2} / \text{SMTS}^{0.9}$



DURACOIL 130 Coiled Tubing Technical Data – US METRIC

Specified Dimensions						Axial Load Capacity			Pressure Capacity		Torsional Strength		External Displacement	Internal Capacity
Outside Diameter D (mm)	Outside Diameter D (in)	Wall Thickness t (mm)	Wall Thickness t (in)	Inside Diameter d (mm)	Nominal Weight w (kg/m)	Yield Load Ly (kN) t _{nom}	Tensile Load Lt (kN) t _{nom}	Yield Pressure Yp (MPa)	Hydrotest Pressure 90% Yp (MPa)	Yield (N-m) t _{min}	Ultimate (N-m) t _{min}	L/m	L/m	
44.45	1.750	3.18	0.125	38.10	3.23	369.02	391.71	120.87	108.78	3,920	4,170	1.552	1.140	
44.45	1.750	3.40	0.134	37.64	3.45	393.40	417.60	130.10	117.09	4,160	4,410	1.552	1.113	
44.45	1.750	3.68	0.145	37.08	3.70	422.80	448.83	141.34	127.21	4,430	4,700	1.552	1.080	
44.45	1.750	3.96	0.156	36.53	3.96	451.76	479.56	151.62	136.45	4,670	4,960	1.552	1.048	
44.45	1.750	4.45	0.175	35.56	4.39	500.74	531.52	171.06	153.95	5,100	5,410	1.552	0.993	
44.45	1.750	4.83	0.190	34.80	4.72	538.46	571.60	184.37	165.93	5,370	5,700	1.552	0.951	
44.45	1.750	5.18	0.204	34.09	5.02	572.98	608.21	198.71	178.84	5,650	6,000	1.552	0.913	
44.45	1.750	5.69	0.224	33.07	5.44	620.97	659.18	219.18	197.27	6,020	6,390	1.552	0.859	
44.45	1.750	5.99	0.236	32.46	5.68	649.13	689.07	231.53	208.37	6,220	6,610	1.552	0.828	
44.45	1.750	6.35	0.250	31.75	5.97	681.25	723.19	245.87	221.28	6,450	6,850	1.552	0.792	
50.80	2.000	3.18	0.125	44.45	3.73	425.78	451.98	105.77	95.19	5,260	5,580	2.027	1.552	
50.80	2.000	3.40	0.134	43.99	3.98	454.25	482.19	113.83	102.45	5,580	5,930	2.027	1.520	
50.80	2.000	3.68	0.145	43.43	4.28	488.64	518.71	123.69	111.32	5,970	6,330	2.027	1.482	
50.80	2.000	3.96	0.156	42.88	4.58	522.58	554.74	132.66	119.39	6,300	6,690	2.027	1.444	
50.80	2.000	4.45	0.175	41.91	5.08	580.23	615.90	149.69	134.72	6,910	7,330	2.027	1.380	
50.80	2.000	4.83	0.190	41.15	5.47	624.75	663.19	161.34	145.20	7,300	7,750	2.027	1.330	
50.80	2.000	5.18	0.204	40.44	5.83	665.59	706.56	173.89	156.50	7,700	8,170	2.027	1.284	
50.80	2.000	5.69	0.224	39.42	6.33	722.70	767.18	191.81	172.63	8,240	8,740	2.027	1.221	
50.80	2.000	5.99	0.236	38.81	6.62	756.29	802.82	202.57	182.31	8,540	9,070	2.027	1.183	
50.80	2.000	6.35	0.250	38.10	6.96	794.81	843.69	215.12	193.60	8,880	9,420	2.027	1.140	
60.33	2.375	3.18	0.125	53.98	4.47	510.92	542.37	89.08	80.17	7,630	8,100	2.858	2.288	
60.33	2.375	3.40	0.134	53.52	4.78	545.53	579.11	95.84	86.25	8,120	8,620	2.858	2.250	
60.33	2.375	3.68	0.145	52.96	5.14	587.43	623.60	104.18	93.76	8,700	9,230	2.858	2.203	
60.33	2.375	3.96	0.156	52.40	5.51	628.89	667.59	111.70	100.53	9,210	9,770	2.858	2.157	
60.33	2.375	4.45	0.175	51.44	6.13	699.44	742.45	126.04	113.43	10,140	10,760	2.858	2.078	
60.33	2.375	4.83	0.190	50.67	6.61	754.20	800.59	135.90	122.31	10,750	11,410	2.858	2.017	
60.33	2.375	5.18	0.204	49.96	7.05	804.59	854.10	146.44	131.80	11,380	12,080	2.858	1.960	
60.33	2.375	5.69	0.224	48.95	7.67	875.32	929.19	161.54	145.39	12,230	12,980	2.858	1.882	
60.33	2.375	5.99	0.236	48.34	8.03	917.09	973.49	170.58	153.52	12,720	13,500	2.858	1.835	
60.33	2.375	6.35	0.250	47.63	8.45	965.13	1,024.51	181.13	163.01	13,260	14,080	2.858	1.781	
60.33	2.375	7.01	0.276	46.30	9.22	1,052.45	1,117.22	200.78	180.70	14,220	15,090	2.858	1.684	
66.68	2.625	3.40	0.134	59.87	5.31	606.38	643.70	86.74	78.06	10,070	10,690	3.492	2.815	
66.68	2.625	3.68	0.145	59.31	5.72	653.27	693.48	94.25	84.83	10,800	11,470	3.492	2.763	
66.68	2.625	3.96	0.156	58.75	6.13	699.71	742.76	101.08	90.97	11,450	12,160	3.492	2.711	
66.68	2.625	4.45	0.175	57.79	6.82	778.88	826.84	114.04	102.64	12,640	13,420	3.492	2.623	
66.68	2.625	4.83	0.190	57.02	7.36	840.49	892.22	122.93	110.64	13,420	14,250	3.492	2.554	
66.68	2.625	5.18	0.204	56.31	7.86	897.25	952.45	132.52	119.27	14,230	15,110	3.492	2.491	



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66.68	2.625	5.69	0.224	55.30	8.56	977.05	1,037.19	146.17	131.55	15,340	16,280	3.492	2.401
66.68	2.625	5.99	0.236	54.69	8.97	1,024.25	1,087.28	154.30	138.87	15,970	16,960	3.492	2.349
66.68	2.625	6.35	0.250	53.98	9.45	1,078.65	1,145.02	163.89	147.50	16,690	17,720	3.492	2.288
66.68	2.625	7.01	0.276	52.65	10.32	1,177.80	1,250.26	181.68	163.51	17,940	19,050	3.492	2.177
73.03	2.875	3.68	0.145	65.66	6.30	719.14	763.40	86.05	77.44	13,140	13,950	4.188	3.386
73.03	2.875	3.96	0.156	65.10	6.75	770.57	817.98	92.25	83.03	13,950	14,800	4.188	3.329
73.03	2.875	4.45	0.175	64.14	7.52	858.37	911.22	104.11	93.70	15,420	16,370	4.188	3.231
73.03	2.875	4.83	0.190	63.37	8.12	926.79	983.81	112.25	101.02	16,400	17,410	4.188	3.154
73.03	2.875	5.18	0.204	62.66	8.67	989.86	1,050.80	120.93	108.84	17,410	18,480	4.188	3.084
73.03	2.875	5.69	0.224	61.65	9.45	1,078.78	1,145.19	133.41	120.07	18,800	19,960	4.188	2.985
73.03	2.875	5.99	0.236	61.04	9.91	1,131.45	1,201.06	140.93	126.84	19,610	20,810	4.188	2.926
73.03	2.875	6.35	0.250	60.33	10.44	1,192.21	1,265.56	149.62	134.65	20,510	21,770	4.188	2.858
73.03	2.875	7.01	0.276	59.00	11.41	1,303.15	1,383.35	165.89	149.30	22,110	23,470	4.188	2.734