

COILED TUBING for Oil and Gas



Indiana Tube Corporation (ITC) tubing is manufactured to meet industry standards and demanding customer applications. We have strategically positioned our company to support short lead-time requirements for products ranging from 0.625" (15.88 mm) to 1.75" (44.45 mm) with wall thicknesses of .065" (1.65mm) to 0.109" (2.77 mm). Standard products ship in 3 to 4 weeks.

Our proprietary process capability provides unique advantages over our competition. We maintain weld flash control to a fraction of existing available product. The feature minimizes mineral and debris buildup and maximizes internal clearance

Stainless Steel alloys are also available in 304, 316 and 2205.

APPLICATIONS

- Clean-out
- Work/Intervention
- Completion
- Velocity Strings
- Water Lift – Pumping
- Injection
- Cementing

Coiled Tubing Requirements Product Specifications – ASTM A-606 Type 4

CHEMICAL PROPERTIES

Material Grade	MAX-OR-RANGE								MIN			MAX
	C Carbon	Mn Manganese	S Sulfur	P Phosphorus	Si Silicon	Cr Chromium	Cu Copper	Ni Nickel	Yield ksi (MPa)	Tensile ksi (MPa)	Elongation	Rockwell Hardness
ITC-70	0.10-0.15	0.60-1.20	0.005	0.03	0.30-0.50	0.5-1.0	0.4	0.25	70 (483)	80 (552)	20%	HRC22
ITC-80	0.10-0.15	0.60-1.20	0.005	0.03	0.30-0.50	0.5-1.0	0.4	0.25	80 (552)	90 (620)	20%	HRC22

MECHANICAL PROPERTIES

OUTSIDE DIAMETER		WALL THICKNESS		INSIDE DIAMETER		NOMINAL WEIGHT (lbs / ft)		INTERNAL PRESSURE (psi)	
Inches	mm	Inches	mm	Inches	mm	lbs / ft	kg / m	Yield Pressure	Test Pressure (80%)
0.625	15.88	0.065	1.65	0.495	12.57	0.3915	0.5827	13,400	10,700
		0.087	2.21	0.451	11.46	0.5036	0.7495	18,200	14,500
		0.095	2.41	0.435	11.05	0.5418	0.8063	20,000	16,000
0.750	19.05	0.065	1.65	0.620	15.75	0.4783	0.7118	11,200	9,000
		0.087	2.21	0.576	14.63	0.6198	0.9223	15,200	12,100
		0.095	2.41	0.560	14.22	0.6686	0.995	16,600	13,300
		0.109	2.77	0.532	13.51	0.7509	1.117	19,200	15,300
1.000	25.40	0.087	2.21	0.826	20.98	0.8521	1.268	11,400	9,100
		0.095	2.41	0.810	20.57	0.9223	1.373	12,500	10,000
		0.109	2.77	0.782	19.86	1.042	1.551	14,400	11,500
1.250	31.75	0.095	2.41	1.060	26.92	1.176	1.750	10,000	8,000
		0.109	2.77	1.032	26.21	1.333	1.984	11,500	9,200
1.500	38.10	0.095	2.41	1.310	33.27	1.425	2.121	8,400	6,700
		0.109	2.77	1.282	32.56	1.619	2.409	9,700	7,800
1.750	44.45	0.109	2.77	1.532	38.91	1.910	2.840	8,400	6,700