

WEBCO LaserLine® Coiled Tubing / Upstream

DATA SHEET

WEBCO manufactures high quality laser seam welded corrosion resistant alloy coiled tubing for a variety of downhole and offshore applications, including extremely long length coiled tubing. Applications include gas and chemical injection, hydraulic control line, steel tube umbilicals, geothermal, and work and velocity strings.

LaserLine Coiled Tubing Sizes

WALL	OUTSIDE DIAMETER									
	6.35 mm 0.250"	7.95 mm 0.313"	9.53 mm 0.375"	12.70 mm 0.500"	15.88 mm 0.625"	19.05 mm 0.750"	25.40 mm 1.000"	31.75 mm 1.250"	38.10 mm 1.500"	44.45 mm 1.750"
0.89 mm / 0.035"	•	•	•	•	•	•	•			
1.24 mm / 0.049"	•	•	•	•	•	•	•	•		
1.65 mm / 0.065"	•	•	•	•	•	•	•	•	•	•
2.11 mm / 0.083"				•	•	•	•	•	•	•
2.41 mm / 0.095"					•	•	•	•	•	•
2.77 mm / 0.109"						•	•	•	•	•
3.18 mm / 0.125"							•	•	•	•
Up to 4.2 mm / 0.165"							•	•	•	•

Shaded cells denote sizes commonly cold-sized to final dimension. Some OD/Wall combinations are grade dependent. Inquire for other sizes.

Common Alloy Properties for LaserLine Coiled Tubing

MATERIAL	DENSITY (lbs/in ³)	MYS		MTS		HARDNESS (max)	PREN*	APPLICABLE SPECIFICATION & CERTIFICATIONS
		KSI	MPa	KSI	MPa			
Nickel Alloy 625 (UNS N06625)	.305	90	620	120	827	C35	52	ASTM B704 (available cold-worked for higher strength)
Nickel Alloy 825 (UNS N08825)	.293	35	241	85	586	B95	31	ASTM B704 (available cold-worked for higher strength)
ATI 2003® Lean Duplex (UNS S32003)	.279	80	552	100	689	C30	30	ASTM A789
ATI 2102® Lean Duplex (UNS S82011)	.279	80	552	100	689	C30	26	ASTM A789
2205 Duplex (UNS S32205)	.278	80	552	110	758	C30.5	36	ASTM A789
ZERON® 100 Super Duplex (UNS S32760) 2507 Super Duplex (UNS S32750)	.282	95	655	120	827	C32	42.5	ASTM A789 API 17E / ISO 13628-5 (steel tube umbilicals)
316L (UNS S31603)	.290	40	276	80	552	B90	23	ASTM A269

* Pitting Resistance Equivalent Number Formula: PREN = Cr + 3.3 (Mo + 0.5W) + 16N.

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Laser Welded and Bright Annealed Coiled Tubing Capabilities

- ✓ Coiled lengths available up to 45,000 lb (20 000 kg) or 100,000 ft (30 000 M)
- ✓ Available on wood or metal reels to ASTM specifications and customer-specific production control plans (PITP)
- ✓ NDT methods include: PMI, eddy current, ultrasonic, hydro-testing and digital radiography

- ✓ Webco manufacturing facilities are ISO 9001 and PED certified.

Contact Information for Coiled Tubing Products

Coiled Tubing facilities are located in Mannford and Kellyville, OK, USA.

Contact a Coiled Tubing Specialist	918-245-2211 (main office)		918-245-0306 (fax)	laserline@webcotube.com	
Ken Bertram	General Manager - Oil & Gas	918-241-1047 (office)	918-691-6286 (cell)	918-241-0847 (fax)	kbertram@webcotube.com

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