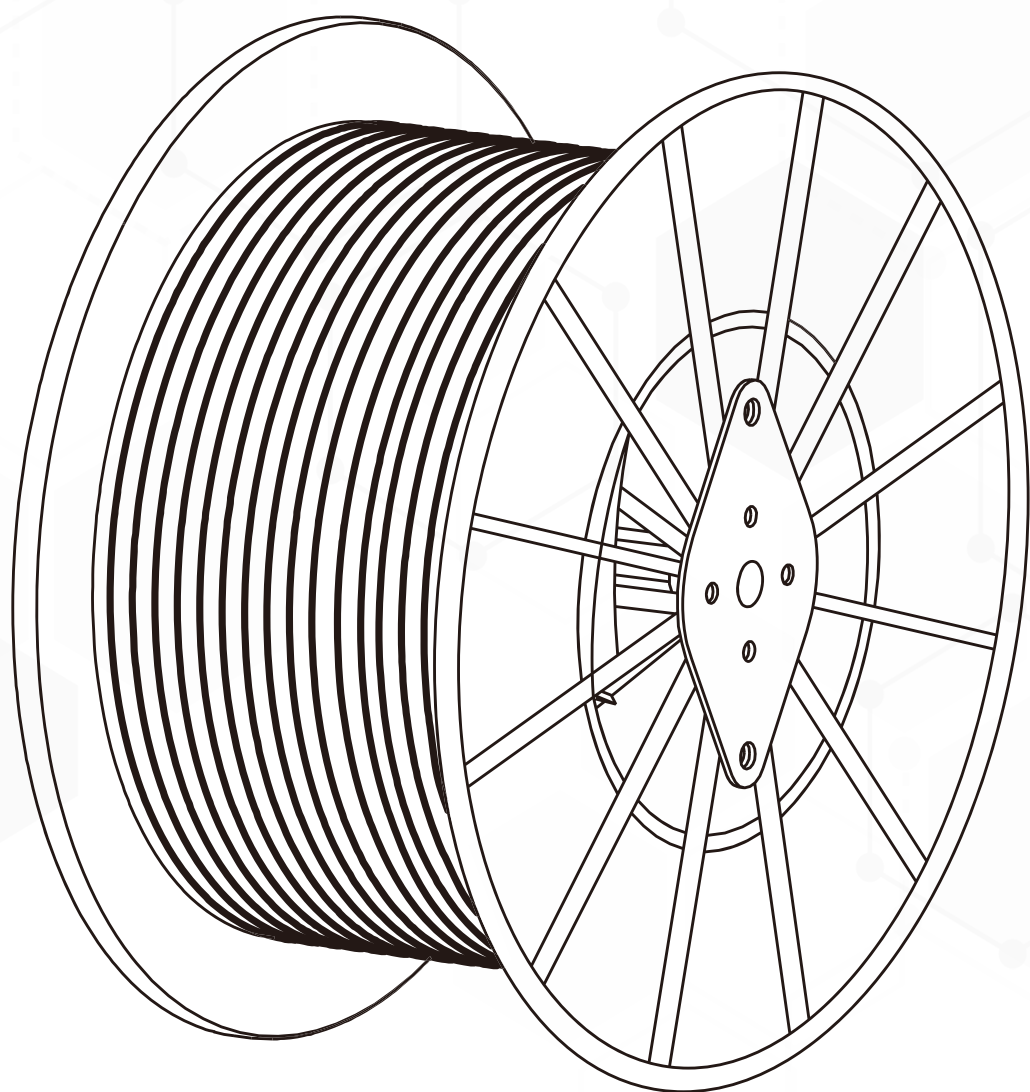


CORROSION RESISTANT ALLOY COILED TUBING



CORE ADVANTAGES

- ⦿ Excellent metallographic structure with high content of chromium, nickel, and molybdenum ensures superior corrosion-resistant property, especially in tough environments with high concentration of CO₂, H₂S.
- ⦿ Outstanding fatigue properties.
- ⦿ Stable seam quality, high efficiency and consistent performance.

STRICT QUALITY CONTROL PROCESS

- ⦿ X-ray inspection on bias weld of flat strips.
- ⦿ Phased array ultrasonic testing on bias weld of flat strips.
- ⦿ Full body eddy current inspection ensuring the steel strip quality.
- ⦿ Magnetic flux leakage inspection to check weld seam quality.
- ⦿ Eddy current inspection on the total tube body to evaluate the quality of the coiled tubing during production.

CHEMICAL COMPOSITION (MASS PERCENT)

Type	C	Mn	P	S	Si	Cr
2205	≤0.03	≤2.0	≤0.030	≤0.003	≤1.0	22.0-23.0
2001	≤0.03	4.0-6.0	≤0.030	≤0.003	≤1.0	19.5-21.5

PITTING RESISTANCE EQUIVALENT NUMBER (PREN)

Grade	MIN
TS-80CRT(2205)	35
TS-80CRT(2001)	24

MECHANICAL PROPERTIES

Minimum Yield Strength		Minimum Tensile Strength	
psi	MPa	psi	MPa
80000	552	90000	621

TS-80CRT (2001) Technical Data (1.500" ~ 3.500")

Outside Diameter (OD)	Wall Thickness (WT)		Calculated Inside Diameter	Tube Body Load		Torsional Yield Strength	Minimum Internal Yield Strength	Hydro Test Pressure	Mass per Unit Length
	Specified	Minimum		Minimum Yield Load (Ly)	Minimum Tensile Load (Lt)				
in.	in.	in.	in.	Lb	Lb	Lb-ft	psi	psi	
1.500	0.125	0.117	1.250	43,200	47,520	1,320	12480	11300	1.81
	0.134	0.126	1.232	46,000	50,600	1,390	13440	12100	1.93
	0.145	0.137	1.210	49,380	54,320	1,470	14610	13100	2.07
	0.156	0.148	1.188	52,690	57,960	1,550	15790	14200	2.21
1.750	0.125	0.117	1.500	51,050	56,160	1,860	10700	9600	2.14
	0.134	0.126	1.482	54,420	59,870	1,970	11520	10400	2.29
	0.145	0.137	1.460	58,490	64,340	2,090	12530	11300	2.46
	0.156	0.148	1.438	62,500	68,750	2,200	13530	12200	2.62
	0.175	0.167	1.400	69,270	76,200	2,390	15270	13800	2.91
	0.188	0.180	1.374	73,800	81,180	2,510	16460	14900	3.10
2.000	0.125	0.117	1.750	58,910	64,800	2,500	9360	8500	2.47
	0.134	0.126	1.732	62,840	69,130	2,650	10080	9100	2.64
	0.145	0.137	1.710	67,600	74,360	2,810	10960	9900	2.84
	0.156	0.148	1.688	72,300	79,530	2,980	11840	10600	3.04
	0.175	0.167	1.650	80,270	88,290	3,250	13360	12100	3.37
	0.188	0.176	1.624	85,620	94,180	3,420	14080	12700	3.60
2.375	0.134	0.126	2.107	75,470	83,020	3,850	8490	7700	3.17
	0.145	0.137	2.085	81,270	89,390	4,110	9230	8300	3.41
	0.156	0.148	2.063	87,000	95,700	4,360	9970	9000	3.65
	0.175	0.167	2.025	96,760	106,440	4,770	11250	10200	4.06
	0.188	0.176	1.999	103,340	113,670	5,040	11860	10700	4.34
2.625	0.145	0.137	2.335	90,380	99,420	5,110	8350	7600	3.80
	0.156	0.148	2.313	96,800	106,480	5,430	9020	8100	4.06
	0.175	0.167	2.275	107,760	118,530	5,960	10180	9200	4.52
	0.188	0.176	2.249	115,150	126,660	6,300	10730	9600	4.84
2.875	0.145	0.137	2.585	99,490	109,440	6,220	7620	6800	4.18
	0.156	0.148	2.563	106,600	117,260	6,620	8240	7400	4.48
	0.175	0.167	2.525	118,750	130,630	7,270	9290	8400	4.99
	0.188	0.176	2.499	126,960	139,660	7,710	9790	8800	5.33
3.500	0.156	0.148	3.188	131,110	144,220	10,100	6770	6100	5.51
	0.175	0.167	3.150	146,240	160,870	11,140	7630	6800	6.14
	0.188	0.176	3.124	156,490	172,140	11,840	8050	7200	6.57

TS-80CRT(2205) Technical Data (1.500" ~ 3.500")

Outside Diameter (OD)	Wall Thickness (WT)		Calculated Inside Diameter	Tube Body Load		Torsional Yield Strength	Minimum Internal Yield Strength	Hydro Test Pressure	Mass per Unit Length
	Specified	Minimum		Minimum Yield Load (Ly)	Minimum Tensile Load (Lt)				
in.	in.	in.	in.	Lb	Lb	Lb-ft	psi	psi	Lb/ft
1.500	0.125	0.117	1.250	43,200	47,520	1,320	12480	11300	1.87
	0.134	0.126	1.232	46,000	50,600	1,390	13440	12100	1.99
	0.145	0.137	1.210	49,380	54,320	1,470	14610	13100	2.14
	0.156	0.148	1.188	52,690	57,960	1,550	15790	14200	2.28
1.750	0.125	0.117	1.500	51,050	56,160	1,860	10700	9600	2.21
	0.134	0.126	1.482	54,420	59,870	1,970	11520	10400	2.35
	0.145	0.137	1.460	58,490	64,340	2,090	12530	11300	2.53
	0.156	0.148	1.438	62,500	68,750	2,200	13530	12200	2.70
	0.175	0.167	1.400	69,270	76,200	2,390	15270	13800	3.00
	0.188	0.180	1.374	73,800	81,180	2,510	16460	14900	3.19
2.000	0.125	0.117	1.750	58,910	64,800	2,500	9360	8500	2.55
	0.134	0.126	1.732	62,840	69,130	2,650	10080	9100	2.72
	0.145	0.137	1.710	67,600	74,360	2,810	10960	9900	2.92
	0.156	0.148	1.688	72,300	79,530	2,980	11840	10600	3.13
	0.175	0.167	1.650	80,270	88,290	3,250	13360	12100	3.47
	0.188	0.176	1.624	85,620	94,180	3,420	14080	12700	3.70
2.375	0.134	0.126	2.107	75,470	83,020	3,850	8490	7700	3.26
	0.145	0.137	2.085	81,270	89,390	4,110	9230	8300	3.51
	0.156	0.148	2.063	87,000	95,700	4,360	9970	9000	3.76
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	0.175	0.167	2.275	107,760	118,530	5,960	10180	9200	4.66
	0.188	0.176	2.249	115,150	126,660	6,300	10730	9600	4.98
2.875	0.145	0.137	2.585	99,490	109,440	6,220	7620	6800	4.30
	0.156	0.148	2.563	106,600	117,260	6,620	8240	7400	4.61
	0.175	0.167	2.525	118,750	130,630	7,270	9290	8400	5.13
	0.188	0.176	2.499	126,960	139,660	7,710	9790	8800	5.49
3.500	0.156	0.148	3.188	131,110	144,220	10,100	6770	6100	5.67
	0.175	0.167	3.150	146,240	160,870	11,140	7630	6800	6.32
	0.188	0.176	3.124	156,490	172,140	11,840	8050	7200	6.77



JASON
Corrosion-resistant Alloy Coiled Tubing
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