

Tubing - ISO 11960/API 5CT, 5B

Application: exploitation and operation of oil and gas wells

Pipe dimensions and weight

Label 1	Label 2*	Outside diameter		Wall thickness		Calculated pipe weight		Steel grade	Ends type
		inch	mm	inch	mm	lb/ft	kg/m		
1.900	2.40	1.900	48.26	0.145	3.68	2.72	4.05	H-40, J-55, N-80	P, NUE
2 3/8	4.00	2.375	60.32	0.167	4.24	3.94	5.84	H-40, J-55, N-80, L-80	P, NUE, EUE
	4.60			0.190	4.83	4.44	6.61	H-40, J-55, N-80, L-80, P-110	P, NUE, EUE
	6.40			0.217	5.51	6.17	9.17	H-40, J-55, N-80, L-80, P-110	P, NUE, EUE
2 7/8	7.80	2.875	73.02	0.276	7.01	7.67	11.41	N-80, L-80, P-110	P, NUE, EUE
	8.60			0.308	7.82	8.45	12.58	N-80, L-80, P-110	P, NUE, EUE
	7.70			0.216	5.49	7.58	11.29	H-40, J-55, N-80, L-80	P, NUE
	9.20			0.254	6.45	8.81	13.12	H-40, J-55, N-80, L-80, P-110	P, NUE, EUE
	10.20			0.289	7.34	9.92	14.76	H-40, J-55, N-80, L-80	P, NUE
3 1/2	12.70	3.500	88.90	0.375	9.52	12.70	18.90	N-80, L-80, P-110	P, NUE, EUE
	14.30			0.430	10.92	14.30	21.28	L-80	P, NUE
	15.50			0.476	12.09	15.50	23.07	L-80	P, NUE
	17.00			0.530	13.46	17.00	25.30	L-80	P, NUE
	9.50			0.226	5.74	9.12	13.57	H-40, J-55, N-80, L-80	P, NUE
4	10.70	4.000	101.60	0.262	6.65	10.47	15.57	H-40, J-55, N-80, L-80	P, NUE
	13.20			0.330	8.38	13.20	19.64	L-80	P, NUE
	16.10			0.412	10.54	16.10	23.96	L-80	P, NUE
	18.90			0.500	12.70	18.90	28.13	L-80	P, NUE
	12.60			0.271	6.88	12.60	18.75	H-40, J-55, N-80, L-80	P, NUE
4 1/2	15.20	4.500	114.30	0.337	8.56	15.20	22.62	L-80	P, NUE
	18.90			0.430	10.92	18.90	28.30	L-80	P, NUE
	21.50			0.500	12.70	21.50	32.00	L-80	P, NUE

* Table 2 is for pipes with non upset ends
P - plain ends (upset and non-upset)
NUE - non-upset threaded ends
EUE - upset threaded ends

Tolerances

Outside diameter permissible deviations	± 0.031 inch (± 0.79 mm)
Wall thickness permissible deviations	- 12.5%. Positive deviations are limited by pipe weight
Weight deviation	+6.5% / -3.5%

Lengths supplied

Range 1: 20.0 - 24.0 feet (6.10 - 7.32m), upon agreement 20.0-28.0 feet (6.10-8.53 m).
Range 2: 28.0 - 32.0 feet (8.53 - 9.75 m)

Mechanical properties of steel

Grade	Tensile strength, psi/MPa		Yield strength, psi/MPa	
	not less than		not less than	not more than
H-40	60000 (414)		40000 (276)	80000 (552)
J-55	75000 (517)		55000 (379)	80000 (552)
N-80	100000 (689)		80000 (552)	110000 (758)
P-110	125000 (862)		110000 (758)	140000 (965)

Protection

Pipes are supplied:
- black and bare
- external varnished with black or clear lacquer

Marking

Pipes are supplied with marking according to standard and customer request.
Marking is paint and/or die stencilled on the ends of pipes. The same data, as well as additional information per customer's request, is indicated on the bundle's tags.

Delivery

Pipes are supplied in hexahedral bundles tied in at least five places with steel strip.
Weight of bundle - up to 5000 kg upon request of customer.
Each bundle is furnished with three tags.

Mill test certificate

MTC is issued in accordance with EN 10204