

Casing - ISO 11960/API 5CT, 5B

Application: exploration and operation of oil and gas wells

Pipe dimensions and weight

Labels 1	2	Outside diameter		Wall thickness		Calculated weight of plain-end pipe		Thread type
		inches	mm	inches	mm	lb/ft	kg/m	
4 ½	9.50	4.500	114.30	0.205	5.21	9.41	14.02	P, STC
	10.50			0.224	5.69	10.24	15.24	P, STC, BTC
	11.60			0.250	6.35	11.60	17.26	P, STC, LTC, BTC
	13.50			0.290	7.37	13.50	20.09	P, LTC, BTC
	15.10			0.337	8.56	15.00	22.32	P, LTC, BTC
5	15.00	5.000	127.00	0.296	7.52	14.88	22.16	P, STC, LTC, BTC
	18.00			0.362	9.19	17.95	26.70	P, LTC, BTC
5 ½	17.00	5.500	139.70	0.304	7.72	16.89	25.13	P, STC, LTC, BTC
	20.00			0.361	9.17	19.83	29.52	P, LTC, BTC
	23.00			0.415	10.54	22.56	33.57	P, LTC, BTC
6 ¾	20.00	6.625	168.28	0.288	7.32	19.51	29.06	P, STC, LTC, BTC
	24.00			0.352	8.94	23.60	35.13	P, STC, LTC, BTC
	28.00			0.417	10.59	27.67	41.18	P, LTC, BTC
	32.00			0.475	12.06	31.23	46.46	P, LTC, BTC
7	23.00	7.000	177.80	0.317	8.05	22.65	33.70	P, STC, LTC, BTC
	26.00			0.362	9.19	25.69	38.21	P, STC, LTC, BTC
	29.00			0.408	10.36	28.75	42.78	P, LTC, BTC
	32.00			0.453	11.51	31.70	47.20	P, LTC, BTC
	35.00			0.498	12.65	34.61	51.52	P, LTC, BTC
	38.00			0.540	13.72	37.29	55.52	P, LTC, BTC
7 ¾	24.00	7.625	193.68	0.300	8.33	25.59	38.08	P, STC, LTC, BTC
	26.20			0.328	9.52	29.06	43.24	P, LTC, BTC
	29.70			0.375	10.92	33.07	49.22	P, LTC, BTC
	33.70			0.430	12.70	38.08	56.68	P, LTC, BTC
8 ¾	28.00	8.625	219.08	0.304	7.72	27.40	40.24	P, STC
	32.00			0.325	8.94	31.13	46.33	P, STC, LTC, BTC
	36.00			0.400	10.16	35.17	52.35	P, STC, LTC, BTC
	40.00			0.450	11.43	39.33	58.53	P, LTC, BTC
	44.00			0.500	12.70	43.43	64.64	P, LTC, BTC
	49.00			0.557	14.15	48.04	71.51	P, LTC, BTC
9 ¾	36.00	9.625	244.48	0.352	8.94	34.89	51.93	P, STC, LTC, BTC
	40.00			0.395	10.03	38.97	57.99	P, STC, LTC, BTC
	43.50			0.435	11.05	42.73	63.61	P, LTC, BTC
	47.00			0.472	11.99	46.18	68.75	P, LTC, BTC
	53.50			0.545	13.84	52.90	78.72	P, LTC, BTC

Pipe dimensions and weight (continued)

Labels		Outside diameter		Wall thickness		Calculated weight of plain-end pipe		Thread type
1	2	inches	mm	inches	mm	lb/ft	kg/m	
10 ¾	40.50	10.750	273.05	0.350	8.89	38.91	57.91	P, STC, BTC
	45.50			0.400	10.16	44.26	65.87	P, STC, BTC
	51.00			0.450	11.43	49.55	73.75	P, STC, BTC
	55.50			0.495	12.57	54.26	80.75	P, STC, BTC
	60.70			0.545	13.84	59.45	88.47	P, STC, BTC
	65.70			0.595	15.11	64.59	96.12	P, STC, BTC
11 ¾	47.00	11.750	298.45	0.375	9.53	45.60	69.94	P, STC, BTC
	54.00			0.435	11.05	52.62	78.32	P, STC, BTC
	60.00			0.489	12.42	58.87	87.61	P, STC, BTC
	65.00			0.534	13.56	64.03	95.27	P, STC, BTC
13 ¾	48.00	13.375	339.73	0.330	8.38	46.02	68.48	P, STC, BTC
	54.50			0.380	9.65	52.79	78.55	P, STC, BTC
	61.00			0.430	10.92	59.50	88.55	P, STC, BTC
	68.00			0.480	12.19	66.17	98.46	P, STC, BTC
	72.00			0.514	13.06	70.67	105.21	P, STC, BTC

P - plain end

STC - short, round, threaded and coupled

LTC - long, round, threaded and coupled

BTC - butters threaded and coupled

Tolerances

Outside diameter permissible deviations:	+1% -0.5%
Wall thickness permissible deviations:	-12.5% Positive deviations are limited by pipe weight
Weight deviation	+6.5%/-3.5%

Length supplied

Range 1:16-25 feet (4.88-7.62m)

Range 2:25-34 feet (7.62-10.36m)

Range 3:34-41 feet (10.36-12.50m)

Mechanical properties of steel

Grade	Tensile strength, psi/MPa		Yield strength, psi/MPa	
	not less than		not less than	not more than
J-55	75000 (517)		55000 (379)	80000 (552)
K-55	95000 (655)		55000 (379)	80000 (552)
N-80	100000 (689)		80000 (552)	110000 (758)
L-80	95000 (655)		80000 (552)	95000 (655)
P-110	125000 (862)		110000 (758)	140000 (958)

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 stenciled 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 round 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