

★ Chemical Composition % max

Material grade	C	Si	Mn	P	S
E235 (St37.4)	0.17	0.35	1.20	0.025	0.015

★ Mechanical Properties

Material grade	Condition	Yield Strength (ReH)	Tensile Strength (Rm)	Elongation (A)
E235 (St37.4)	+N	235 Mpa min	340-480 Mpa min	25% min

\* E235 similar to DIN 1630/DIN 2391 St37.4

★ Cold Bending Test

Bend Angle	Inside Radius
180°	4 X O.D.

★ Tolerances

Outer Diameter	Tolerance
>05 - 25 mm	± 0.10mm max.
>25 - 35 mm	± 0.15mm max.
>35 - 50 mm	± 0.20mm max.

★ Available Size Range

Diameter	Length
Upto O.D.100 mm	Upto 9000 mm

★ Stock sizes

O.D. mm	Wall Thickness mm	Weight kg/m	Apply Pressure kg/cm <sup>2</sup>
04.00	1.00	0.074	553
06.00	1.00	0.099	362
08.00	1.00	0.173	269
08.00	1.50	0.240	409
10.00	1.00	0.222	214
10.00	1.50	0.315	325
12.00	1.20	0.319	214
12.00	1.50	0.389	269
15.00	1.20	0.408	171
15.00	1.50	0.500	288
16.00	1.00	0.370	200
16.00	2.00	0.690	295
18.00	1.50	0.611	178
18.00	2.00	0.790	239
18.00	2.50	0.955	300
20.00	2.00	0.888	214
20.00	2.50	1.080	269
20.00	3.00	1.248	325
22.00	2.00	0.986	194
22.00	2.50	1.203	244
25.00	2.50	1.388	214
25.00	3.00	1.629	258
28.00	3.00	1.851	230
30.00	3.00	1.998	214
34.00	3.50	2.632	221
38.00	4.00	3.352	226
42.00	4.00	3.748	204