

Product Specification

Material of Grade	Chemical Composition (%)					Mechanical Properties			Color Code
	C Max	Si Max	Mn Max	P Max	S Max	Yield Strength	Tensile Strength	Elongation	
						N/mm ²	N/mm ²	%	
STK400	0.250	-	-	0.040	0.040	235	400	23	White
STK490	0.180	0.550	1.500	0.040	0.040	315	490	23	White

Nominal Size		Outside Diameter	Thickness	Weight	Cross Sectional Area	Geometrical Moment of Inertia	Modulus of Section	Radius of Gyration
In	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm
1/2"	15	21.7	2.00	0.972	1.238	0.607	0.560	0.700
3/4"	20	27.2	2.00	1.24	1.583	1.26	0.930	0.890
			2.30	1.41	1.799	1.41	1.03	0.880
1"	25	34.0	2.30	1.80	2.291	2.89	1.70	1.12
1-1/4"	32	42.7	2.30	2.29	2.919	5.97	2.80	1.43
			2.50	2.48	3.157	6.40	3.00	1.42
1-1/2"	40	48.6	2.30	2.63	3.345	8.99	3.70	1.64
			2.50	2.84	3.621	9.65	3.97	1.63
			2.80	3.16	4.029	10.6	4.36	1.62
			3.20	3.58	4.564	11.8	4.86	1.61
2"	50	60.5	2.30	3.30	4.205	17.8	5.90	2.06
			3.20	4.52	5.760	23.7	7.84	2.03
			4.00	5.57	7.100	28.5	9.41	2.00
2-1/2"	65	76.3	2.80	5.08	6.465	43.7	11.5	2.60
			3.20	5.77	7.349	49.2	12.9	2.59
			4.00	7.13	9.085	59.5	15.6	2.58
3"	80	89.1	2.80	5.96	7.591	70.7	15.9	3.05
			3.20	6.78	8.636	79.8	17.9	3.04
3-1/2"	90	101.6	3.20	7.76	9.892	120	23.6	3.48
			4.00	9.63	12.26	146	28.8	3.45
			5.00	11.90	15.17	177	34.9	3.42
4"	100	114.3	3.20	8.77	11.17	172	30.2	3.93
			3.50	9.56	12.18	187	32.7	3.92
			4.50	12.20	15.52	234	41.0	3.89
5"	125	139.8	3.60	12.10	15.40	357	51.1	4.82
			4.00	13.40	17.07	394	56.3	4.80
			4.50	15.00	19.13	438	62.7	4.79
			6.00	19.80	25.22	566	80.9	4.74
6"	150	165.2	4.50	17.80	22.72	734	88.9	5.68
			5.00	19.80	25.16	808	97.8	5.67
			6.00	23.60	30.01	952	115	5.63
			7.10	27.70	35.26	1110	134	5.60

Dimension Tolerances

Outside Diameter	; < 50 mm. : ± 0.5 mm. ≥ 50 mm. : ± 1%
Thickness	; < 4.0 mm. : + 0.6 mm. - 0.5 mm. ≥ 4.0 mm. : + 15%, -12.5%
Weight	; N/A

