

M K K METAL SECTIONS PRIVATE LIMITED



TECHNICAL DATA FOR STEEL PIPES SCHEDULE 40 ASTM A 53 GRADE A & B

NPS DESIGNATION	DN DESIGNATION	OUTSIDE DIAMETER		INSIDE DIAMETER		WALL THICKNESS		NOMINAL WEIGHT (MASS) PER UNIT LENGTH			
		(Inches)	(mm)	(Inches)	(mm)	(Inches)	(mm)	Plain end (lb/ft)	Plain end (kg/m)	Threads & Couplings(lb/ft)	Threads & Couplings(kg/m)
1/2	15	0.840	21.3	0.622	15.8	0.109	2.77	0.85	1.27	0.86	1.27
3/4	20	1.050	26.7	0.824	20.9	0.113	2.87	1.13	1.69	1.14	1.69
1	25	1.315	33.4	1.049	26.6	0.133	3.38	1.68	2.50	1.69	2.50
1.1/4	32	1.660	42.2	1.380	35.1	0.140	3.56	2.27	3.39	2.28	3.40
1.1/2	40	1.900	48.3	1.610	40.9	0.145	3.69	2.72	4.05	2.74	4.04
2	50	2.375	60.3	2.067	52.5	0.154	3.91	3.66	5.44	3.68	5.46
2.1/2	65	2.875	73.0	2.469	62.7	0.203	5.16	5.80	8.63	5.85	8.67
3	80	3.500	88.9	3.068	77.9	0.216	5.49	7.58	111.29	7.68	11.35
3.1/2	90	4.000	101.6	3.548	90.1	0.226	5.74	9.12	13.57	9.27	13.71
4	100	4.500	114.3	4.026	102.3	0.237	6.02	10.80	16.07	10.92	16.23
5	125	5.563	141.3	5.047	158.2	0.258	6.55	14.63	21.77	14.90	22.07
6	150	6.625	168.3	6.065	154.1	0.280	7.11	18.99	28.26	19.34	28.58
8	200	8.625	219.1	7.981	202.7	0.322	8.18	28.58	42.55	29.35	43.73
10	250	10.750	273.0	10.020	254.5	0.365	9.27	40.52	60.29	41.49	63.36
12	300	12.750	323.8	12.000	304.8	0.375	9.52	49.61	73.78	51.28	76.21

TECHNICAL DATA FOR STEEL PIPES SCHEDULE 80 ASTM A 53 GRADE A

NPS DESIGNATION	DN DESIGNATION	OUTSIDE DIAMETER		INSIDE DIAMETER		WALL THICKNESS		NOMINAL WEIGHT (MASS) PER UNIT LENGTH			
		(Inches)	(mm)	(Inches)	(mm)	(Inches)	(mm)	Plain end (lb/ft)	Plain end (kg/m)	Threads & Couplings(lb/ft)	Threads & Couplings(kg/m)
1/2	15	0.840	21.3	0.549	13.9	0.147	3.73	1.09	1.62	1.09	1.62
3/4	20	1.050	26.7	0.742	18.8	0.154	3.91	1.48	2.20	1.48	2.21
1	25	1.315	33.4	0.957	24.3	0.179	4.55	2.17	3.24	2.19	3.25
1.1/4	32	1.660	42.2	1.278	32.5	0.191	4.85	3.00	4.47	3.03	4.49
1.1/2	40	1.900	48.3	1.500	38.1	0.200	5.08	3.63	5.41	3.65	5.39
2	50	2.375	60.3	1.939	49.3	0.218	5.54	5.03	7.48	5.08	7.55
2.1/2	65	2.875	73.0	2.323	59.0	0.276	7.01	7.67	11.41	7.75	11.52
3	80	3.500	88.9	2.900	73.7	0.300	7.62	10.26	15.27	10.35	15.39
3.1/2	90	4.000	101.6	3.364	85.4	0.318	8.08	12.52	18.63	12.67	18.82
4	100	4.500	114.3	3.826	97.2	0.337	8.56	15.00	22.32	15.20	22.60

OUTSIDE DIAMETER	OUTSIDE DIAMETER	OVER	UNDER
	NPS 1/2 to 1-1/2 DN 15 to 40	0.4 mm	0.4mm
	NPS 2 and above DN 50 and above	1 Percent	1 Percent
PERMISSIBLE WALL THICKNESS		-	12.5%