

NPS INCH MM	OD INCH MM	SCHEDULE		WALL		ID		WEIGHT		
		ASME		INCH	MM	INCH	MM	LB/FT	KG/MTR	
1/8 6	0.405 10.3	10	-	10S	0.049	1.24	0.307	7.82	0.19	0.28
		STD	40	40S	0.068	1.73	0.269	6.84	0.24	0.37
		XS	80	80S	0.095	2.41	0.215	5.84	0.31	0.47
1/4 8	0.540 13.7	10	-	10S	0.065	1.65	0.410	10.40	0.33	0.49
		STD	40	40S	0.088	2.24	0.364	9.22	0.43	0.63
		XS	80	80S	0.119	3.02	0.302	7.66	0.54	0.80
3/8 10	0.675 17.1	10	-	10S	0.065	1.65	0.545	13.80	0.42	0.63
		STD	40	40S	0.091	2.31	0.493	12.48	0.57	0.84
		XS	80	80S	0.126	3.20	0.423	10.70	0.74	1.10
1/2 15	0.840 21.3	5	-	5S	0.065	1.65	0.710	18.00	0.54	0.80
		10	-	10S	0.083	2.11	0.674	17.08	0.67	1.00
		STD	40	40S	0.109	2.77	0.622	15.76	0.85	1.27
		XS	80	80S	0.147	3.73	0.546	13.84	1.09	1.62
		160	-	-	0.188	4.78	0.464	11.74	1.31	1.95
		XX	-	-	0.294	7.47	0.252	6.36	1.72	2.55
3/4 20	1.050 26.7	5	-	5S	0.065	1.65	0.920	23.40	0.69	1.03
		10	-	10S	0.083	2.11	0.884	22.48	0.86	1.28
		STD	40	40S	0.113	2.87	0.824	20.96	1.13	1.69
		XS	80	80S	0.154	3.91	0.742	18.88	1.48	2.20
		160	-	-	0.219	5.56	0.612	15.58	1.95	2.90
		XX	-	-	0.308	7.82	0.434	11.06	2.44	3.64
1 25	1.315 33.4	5	-	5S	0.065	1.65	1.185	30.10	0.87	1.29
		10	-	10S	0.109	2.77	1.070	27.86	1.41	2.09
		STD	40	40S	0.133	3.38	1.049	26.64	1.68	2.50
		XS	80	80S	0.179	4.55	0.957	24.30	2.17	3.24
		160	-	-	0.250	6.35	0.815	20.70	2.85	4.24
		XX	-	-	0.358	9.09	0.599	15.22	3.66	5.45
1-1/4 32	1.660 42.2	5	-	5S	0.065	1.65	1.530	38.90	1.11	1.65
		10	-	10S	0.109	2.77	1.442	36.66	1.81	2.69
		STD	40	40S	0.140	3.56	1.380	35.08	2.27	3.39
		XS	80	80S	0.191	4.85	1.278	32.50	3.00	4.47
		160	-	-	0.250	6.35	1.160	29.50	3.77	5.61
		XX	-	-	0.381	9.70	0.896	22.80	5.22	7.77
1-1/2 40	1.900 48.3	5	-	5S	0.065	1.65	1.770	45.00	1.28	1.90
		10	-	10S	0.109	2.77	1.682	42.76	2.09	3.11
		STD	40	40S	0.145	3.68	1.610	40.94	2.72	4.05
		XS	80	80S	0.200	5.08	1.500	38.14	3.63	5.41
		160	-	-	0.281	7.14	1.338	34.02	4.86	7.25
		XX	-	-	0.400	10.15	1.100	28.00	6.41	9.55
2 50	2.375 60.3	5	-	5S	0.065	1.65	2.245	57.00	1.61	2.39
		10	-	10S	0.109	2.77	2.157	54.76	2.64	3.93
		STD	40	40S	0.154	3.91	2.067	52.48	3.66	5.44
		XS	80	80S	0.218	5.54	1.939	49.22	5.03	7.48
		160	-	-	0.344	8.74	1.687	42.82	7.47	11.11
		XX	-	-	0.436	11.07	1.503	38.16	9.04	13.44
2-1/2 65	2.875 73	5	-	5S	0.083	2.11	2.709	68.78	2.48	3.69
		10	-	10S	0.120	3.05	2.635	66.90	3.53	5.26
		STD	40	40S	0.203	5.16	2.469	62.68	5.80	8.63
		XS	80	80S	0.276	7.01	2.323	58.98	7.67	11.41
		160	-	-	0.375	9.53	2.125	53.94	10.02	14.92
		XX	-	-	0.552	14.02	1.771	44.96	13.71	20.39
3 80	3.500 88.9	5	-	5S	0.083	2.11	3.334	84.68	3.03	4.52
		10	-	10S	0.120	3.05	3.260	82.80	4.34	6.46
		STD	40	40S	0.216	5.49	3.068	77.92	7.58	11.29
		XS	80	80S	0.300	7.62	2.900	73.66	10.26	15.27
		160	-	-	0.438	11.13	2.624	66.64	14.34	21.35
		XX	-	-	0.600	15.24	2.300	58.42	18.60	27.68
3-1/2 90	4.00 101.6	5	-	5S	0.083	2.11	3.834	97.38	3.48	5.18
		10	-	10S	0.120	3.05	3.760	95.50	4.98	7.41
		STD	40	40S	0.226	5.74	3.548	90.12	9.12	13.57
		XS	80	80S	0.318	8.08	3.364	85.44	12.52	18.64
		160	-	-	0.436	11.13	3.064	77.92	16.80	24.84
		XX	-	-	0.600	15.24	2.728	69.30	22.87	34.03
4 100	4.500 114.3	5	-	5S	0.083	2.11	4.334	110.08	3.92	5.84
		10	-	10S	0.120	3.05	4.260	108.20	5.62	8.37
		STD	40	40S	0.237	6.02	4.188	106.38	7.24	10.78
		XS	80	80S	0.337	8.56	3.826	97.18	15.00	22.32
		160	-	-	0.438	11.13	3.624	92.04	19.02	28.32
		XX	-	-	0.531	13.49	3.438	87.32	22.53	33.54
4-1/2 115	5.000 127	5	-	5S	0.083	2.11	4.334	110.08	3.92	5.84
		10	-	10S	0.120	3.05	4.260	108.20	5.62	8.37
		STD	40	40S	0.247	6.27	4.506	114.46	12.55	18.67
		XS	80	80S	0.355	9.02	4.290	108.96	17.63	26.24
		160	-	-	0.438	11.13	3.924	102.32	22.53	33.54
		XX	-	-	0.710	18.03	3.580	90.94	32.56	48.45
5 125	5.563 141.3	5	-	5S	0.109	2.77	5.345	135.76	6.36	9.46
		10	-	10S	0.134	3.40	5.295	134.50	7.78	11.56
		STD	40	40S	0.258	6.55	5.047	128.20	14.63	21.77
		XS	80	80S	0.375	9.53	4.813	122.24	20.80	30.97
		160	-	-	0.500	12.70	4.563	115.90	27.06	40.28
		XX	-	-	0.625	15.88	4.313	109.54	32.99	49.12
6 150	6.625 168.3	5	-	5S	0.109	2.77	6.407	162.76	7.59	11.31
		10	-	10S	0.134	3.40	6.357	161.50	9.30	13.83
		STD	40	40S	0.280	7.11	6.065	154.08	18.99	28.26
		XS	80	80S	0.432	10.97	5.761	146.36	28.60	42.56
		160	-	-	0.562	14.27	5.501	139.76	36.43	54.21
		XX	-	-	0.719	18.26	5.187	131.78	45.39	67.57
7 175	7.625 193.7	5	-	5S	0.109	2.77	7.981	202.74	28.58	42.55
		10	-	10S	0.134	3.40	7.831	198.48	35.67	53.09
		STD	40	40S	0.301	7.65	7.023	178.40	53.21	79.22
		XS	80	80S	0.500	12.70	6.625	168.30	72.49	107.93
		160	-	-	0.625	15.88	6.375	162.76	99.47	145.84
		XX	-	-	0.875	22.23	5.875	149.24	131.78	193.08
8 200	8.625 219.1	5	-	5S	0.109	2.77	8.407	213.56	9.92	14.78
		10	-	10S	0.148	3.76	8.329	211.58	13.41	19.97
		STD	40	40S	0.322	8.18	7.981	202.74	28.58	42.55
		XS	80	80S	0.500	12.70	7.625	193.70	43.43	64.64
		160	-	-	0.625	15.88	7.437	188.92	51.00	75.92
		XX	-	-	0.875	22.23	7.187	182.58	60.77	90.44

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		ASME		INCH	MM	INCH	MM	LB/FT	KG/MTR	
9 225	9.625 244.5	STD	40	40S	0.342	8.69	8.941	227.12	33.94	50.54
		XS	80	80S	0.500	12.70	8.625	219.10	48.77	72.60
		XX	-	-	0.875	22.23	7.875	200.04	81.85	121.85
10 250	10.750 273	-	-	5S	0.134	3.40	10.482	266.20	15.21	22.61
		-	-	10S	0.165	4.19	10.420	264.62	18.67	27.78
		-	-	-	0.188	4.78	10.374	263.44	21.23	31.62
		20	-	-	0.250	6.35	10.250	260.30	28.06	41.76
		30	-	-	0.307	7.80	10.136	257.40	34.27	51.01
		STD	40	40S	0.365	9.27	10.020	254.46	40.52	60.29
		XS	60	80S	0.500	12.70	9.750	247.60	54.79	81.53
		80	-	-	0.594	15.09	9.562	242.82	64.49	95.98
		100	-	-	0.719	18.26	9.312	236.48	77.10	114.71
		120	-	-	0.844	21.44	9.062	230.12	89.38	133.01
		140	XX	-	1.000	25.40	8.750	222.20	104.23	155.10
		160	-	-	1.125	28.58	8.500	215.84	115.75	172.27
11 275	11.750 298.5	STD	40	40S	0.375	9.53	11.000	279.44	45.60	67.91
		XS	80	80S	0.500	12.70	10.750	273.10	60.13	89.51
		XX	-	-	0.875	22.23	10.000	254.04	101.72	151.46
12 300	12.750 323.8	-	-	5S	0.156					