

PIPE SCHEDULE CHART

Outside diameter, wall thickness, bore and weight for every size and schedule in ASME B36.10M-2015. 766 of 772 rows are verified against the standard itself; anything we could not verify is labelled rather than dropped.

The number on a pipe is not its size. Nominal size is a trade designation. 2-inch pipe measures 60.3 mm across the outside, and from NPS 14 upward the nominal size and the outside diameter finally agree. Schedule sets the wall, never the outside diameter.

COMMON SCHEDULES — THE QUICK REFERENCE

177 rows: schedules 5, 10, 40/STD, 80/XS, 160 and XXS

	NPS	DN	SCHEDULE	OD IN	OD MM	WALL IN	WALL MM	BORE IN	BORE MM	LB/FT	KG/M
1/8		6	SCH 10	0.405	10.30	0.049	1.24	0.307	7.82	0.19	0.28
1/8		6	SCH 40 · STD	0.405	10.30	0.068	1.73	0.269	6.84	0.24	0.37
1/8		6	SCH 80 · XS	0.405	10.30	0.095	2.41	0.215	5.48	0.31	0.47
1/8	NOT VERIFIED	6	SCH 160	0.405	10.30	0.124	3.15	0.157	4.00	0.37	0.56
1/4		8	SCH 10	0.540	13.70	0.065	1.65	0.410	10.40	0.33	0.49
1/4		8	SCH 40 · STD	0.540	13.70	0.088	2.24	0.364	9.22	0.43	0.63
1/4		8	SCH 80 · XS	0.540	13.70	0.119	3.02	0.302	7.66	0.54	0.80
1/4	NOT VERIFIED	8	SCH 160	0.540	13.70	0.145	3.68	0.250	6.34	0.61	0.91
3/8		10	SCH 10	0.675	17.10	0.065	1.65	0.545	13.80	0.42	0.63
3/8		10	SCH 40 · STD	0.675	17.10	0.091	2.31	0.493	12.48	0.57	0.84
3/8		10	SCH 80 · XS	0.675	17.10	0.126	3.20	0.423	10.70	0.74	1.10
3/8	NOT VERIFIED	10	SCH 160	0.675	17.10	0.158	4.01	0.359	9.08	0.87	1.29
1/2		15	SCH 5	0.840	21.30	0.065	1.65	0.710	18.00	0.54	0.80
1/2		15	SCH 10	0.840	21.30	0.083	2.11	0.674	17.08	0.67	1.00
1/2		15	SCH 40 · STD	0.840	21.30	0.109	2.77	0.622	15.76	0.85	1.27
1/2		15	SCH 80 · XS	0.840	21.30	0.147	3.73	0.546	13.84	1.09	1.62
1/2		15	SCH 160	0.840	21.30	0.188	4.78	0.464	11.74	1.31	1.95
1/2		15	XXS	0.840	21.30	0.294	7.47	0.252	6.36	1.72	2.55
3/4		20	SCH 5	1.050	26.70	0.065	1.65	0.920	23.40	0.68	1.02
3/4		20	SCH 10	1.050	26.70	0.083	2.11	0.884	22.48	0.86	1.28
3/4		20	SCH 40 · STD	1.050	26.70	0.113	2.87	0.824	20.96	1.13	1.69
3/4		20	SCH 80 · XS	1.050	26.70	0.154	3.91	0.742	18.88	1.48	2.20
3/4		20	SCH 160	1.050	26.70	0.219	5.56	0.612	15.58	1.95	2.90
3/4		20	XXS	1.050	26.70	0.308	7.82	0.434	11.06	2.44	3.64
1		25	SCH 5	1.315	33.40	0.065	1.65	1.185	30.10	0.87	1.29
1		25	SCH 10	1.315	33.40	0.109	2.77	1.097	27.86	1.41	2.09
1		25	SCH 40 · STD	1.315	33.40	0.133	3.38	1.049	26.64	1.68	2.50
1		25	SCH 80 · XS	1.315	33.40	0.179	4.55	0.957	24.30	2.17	3.24
1		25	SCH 160	1.315	33.40	0.250	6.35	0.815	20.70	2.85	4.24
1		25	XXS	1.315	33.40	0.358	9.09	0.599	15.22	3.66	5.45

	NPS	DN	SCHEDULE	OD IN	OD MM	WALL IN	WALL MM	BORE IN	BORE MM	LB/FT	KG/M
1 1/4		32	SCH 5	1.660	42.20	0.065	1.65	1.530	38.90	1.11	1.65
1 1/4		32	SCH 10	1.660	42.20	0.109	2.77	1.442	36.66	1.81	2.69
1 1/4		32	SCH 40 · STD	1.660	42.20	0.140	3.56	1.380	35.08	2.27	3.39
1 1/4		32	SCH 80 · XS	1.660	42.20	0.191	4.85	1.278	32.50	3.00	4.47
1 1/4		32	SCH 160	1.660	42.20	0.250	6.35	1.160	29.50	3.77	5.61
1 1/4		32	XXS	1.660	42.20	0.382	9.70	0.896	22.80	5.22	7.77
1 1/2		40	SCH 5	1.900	48.30	0.065	1.65	1.770	45.00	1.28	1.90
1 1/2		40	SCH 10	1.900	48.30	0.109	2.77	1.682	42.76	2.09	3.11
1 1/2		40	SCH 40 · STD	1.900	48.30	0.145	3.68	1.610	40.94	2.72	4.05
1 1/2		40	SCH 80 · XS	1.900	48.30	0.200	5.08	1.500	38.14	3.63	5.41
1 1/2		40	SCH 160	1.900	48.30	0.281	7.14	1.338	34.02	4.86	7.25
1 1/2		40	XXS	1.900	48.30	0.400	10.15	1.100	28.00	6.41	9.55
2		50	SCH 5	2.375	60.30	0.065	1.65	2.245	57.00	1.61	2.39
2		50	SCH 10	2.375	60.30	0.109	2.77	2.157	54.76	2.64	3.93
2		50	SCH 40 · STD	2.375	60.30	0.154	3.91	2.067	52.48	3.66	5.44
2		50	SCH 80 · XS	2.375	60.30	0.218	5.54	1.939	49.22	5.03	7.48
2		50	SCH 160	2.375	60.30	0.344	8.74	1.687	42.82	7.47	11.11
2		50	XXS	2.375	60.30	0.436	11.07	1.503	38.16	9.04	13.44
2 1/2		65	SCH 5	2.875	73.00	0.083	2.11	2.709	68.78	2.48	3.69
2 1/2		65	SCH 10	2.875	73.00	0.120	3.05	2.635	66.90	3.53	5.26
2 1/2		65	SCH 40 · STD	2.875	73.00	0.203	5.16	2.469	62.68	5.80	8.63
2 1/2		65	SCH 80 · XS	2.875	73.00	0.276	7.01	2.323	58.98	7.67	11.41
2 1/2		65	SCH 160	2.875	73.00	0.375	9.53	2.125	53.94	10.02	14.92
2 1/2		65	XXS	2.875	73.00	0.552	14.02	1.771	44.96	13.71	20.39
3		80	SCH 5	3.500	88.90	0.083	2.11	3.334	84.68	3.03	4.52
3		80	SCH 10	3.500	88.90	0.120	3.05	3.260	82.80	4.34	6.46
3		80	SCH 40 · STD	3.500	88.90	0.216	5.49	3.068	77.92	7.58	11.29
3		80	SCH 80 · XS	3.500	88.90	0.300	7.62	2.900	73.66	10.26	15.27
3		80	SCH 160	3.500	88.90	0.438	11.13	2.624	66.64	14.34	21.35
3		80	XXS	3.500	88.90	0.600	15.24	2.300	58.42	18.60	27.68
3 1/2		90	SCH 5	4.000	101.60	0.083	2.11	3.834	97.38	3.48	5.18
3 1/2		90	SCH 10	4.000	101.60	0.120	3.05	3.760	95.50	4.98	7.41
3 1/2		90	SCH 40 · STD	4.000	101.60	0.226	5.74	3.548	90.12	9.12	13.57
3 1/2		90	SCH 80 · XS	4.000	101.60	0.318	8.08	3.364	85.44	12.52	18.64
4		100	SCH 5	4.500	114.30	0.083	2.11	4.334	110.08	3.92	5.84
4		100	SCH 10	4.500	114.30	0.120	3.05	4.260	108.20	5.62	8.37
4		100	SCH 40 · STD	4.500	114.30	0.237	6.02	4.026	102.26	10.80	16.08
4		100	SCH 80 · XS	4.500	114.30	0.337	8.56	3.826	97.18	15.00	22.32
4		100	SCH 160	4.500	114.30	0.531	13.49	3.438	87.32	22.53	33.54
4		100	XXS	4.500	114.30	0.674	17.12	3.152	80.06	27.57	41.03
5		125	SCH 5	5.563	141.30	0.109	2.77	5.345	135.76	6.36	9.46
5		125	SCH 10	5.563	141.30	0.134	3.40	5.295	134.50	7.78	11.56
5		125	SCH 40 · STD	5.563	141.30	0.258	6.55	5.047	128.20	14.63	21.77

	NPS	DN	SCHEDULE	OD IN	OD MM	WALL IN	WALL MM	BORE IN	BORE MM	LB/FT	KG/M
5		125	SCH 80 · XS	5.563	141.30	0.375	9.53	4.813	122.24	20.80	30.97
5		125	SCH 160	5.563	141.30	0.625	15.88	4.313	109.54	32.99	49.12
5		125	XXS	5.563	141.30	0.750	19.05	4.063	103.20	38.59	57.43
6		150	SCH 5	6.625	168.30	0.109	2.77	6.407	162.76	7.59	11.31
6		150	SCH 10	6.625	168.30	0.134	3.40	6.357	161.50	9.30	13.83
6		150	SCH 40 · STD	6.625	168.30	0.280	7.11	6.065	154.08	18.99	28.26
6		150	SCH 80 · XS	6.625	168.30	0.432	10.97	5.761	146.36	28.60	42.56
6		150	SCH 160	6.625	168.30	0.719	18.26	5.187	131.78	45.39	67.57
6		150	XXS	6.625	168.30	0.864	21.95	4.897	124.40	53.21	79.22
8		200	SCH 5	8.625	219.10	0.109	2.77	8.407	213.56	9.92	14.78
8		200	SCH 10	8.625	219.10	0.148	3.76	8.329	211.58	13.41	19.97
8		200	SCH 40 · STD	8.625	219.10	0.322	8.18	7.981	202.74	28.58	42.55
8		200	SCH 80 · XS	8.625	219.10	0.500	12.70	7.625	193.70	43.43	64.64
8		200	XXS	8.625	219.10	0.875	22.23	6.875	174.64	72.49	107.93
8		200	SCH 160	8.625	219.10	0.906	23.01	6.813	173.08	74.76	111.27
10		250	SCH 5	10.750	273.00	0.134	3.40	10.482	266.20	15.21	22.61
10		250	SCH 10	10.750	273.00	0.165	4.19	10.420	264.62	18.67	27.78
10		250	SCH 40 · STD	10.750	273.00	0.365	9.27	10.020	254.46	40.52	60.29
10		250	SCH 60 · XS	10.750	273.00	0.500	12.70	9.750	247.60	54.79	81.53
10		250	SCH 80	10.750	273.00	0.594	15.09	9.562	242.82	64.49	95.98
10		250	SCH 140 · XXS	10.750	273.00	1.000	25.40	8.750	222.20	104.23	155.10
10		250	SCH 160	10.750	273.00	1.125	28.58	8.500	215.84	115.75	172.27
12		300	SCH 5	12.750	323.80	0.156	3.96	12.438	315.88	21.00	31.24
12		300	SCH 10	12.750	323.80	0.180	4.57	12.390	314.66	24.19	35.98
12		300	STD	12.750	323.80	0.375	9.53	12.000	304.74	49.61	73.86
12		300	SCH 40	12.750	323.80	0.406	10.31	11.938	303.18	53.57	79.71
12		300	XS	12.750	323.80	0.500	12.70	11.750	298.40	65.48	97.44
12		300	SCH 80	12.750	323.80	0.688	17.48	11.374	288.84	88.71	132.05
12		300	SCH 120 · XXS	12.750	323.80	1.000	25.40	10.750	273.00	125.61	186.92
12		300	SCH 160	12.750	323.80	1.312	33.32	10.126	257.16	160.42	238.69
14		350	SCH 5	14.000	355.60	0.156	3.96	13.688	347.68	23.09	34.34
14		350	SCH 10	14.000	355.60	0.250	6.35	13.500	342.90	36.75	54.69
14		350	SCH 30 · STD	14.000	355.60	0.375	9.53	13.250	336.54	54.62	81.33
14		350	SCH 40	14.000	355.60	0.438	11.13	13.124	333.34	63.50	94.55
14		350	XS	14.000	355.60	0.500	12.70	13.000	330.20	72.16	107.40
14		350	SCH 80	14.000	355.60	0.750	19.05	12.500	317.50	106.23	158.11
14		350	SCH 160	14.000	355.60	1.406	35.71	11.188	284.18	189.29	281.72
16		400	SCH 5	16.000	406.40	0.165	4.19	15.670	398.02	27.93	41.56
16		400	SCH 10	16.000	406.40	0.250	6.35	15.500	393.70	42.09	62.65
16		400	SCH 30 · STD	16.000	406.40	0.375	9.53	15.250	387.34	62.64	93.27
16		400	SCH 40 · XS	16.000	406.40	0.500	12.70	15.000	381.00	82.85	123.31
16		400	SCH 80	16.000	406.40	0.844	21.44	14.312	363.52	136.74	203.54
16		400	SCH 160	16.000	406.40	1.594	40.49	12.812	325.42	245.48	365.38

	NPS	DN	SCHEDULE	OD IN	OD MM	WALL IN	WALL MM	BORE IN	BORE MM	LB/FT	KG/M
18		450	SCH 5	18.000	457.00	0.165	4.19	17.670	448.62	31.46	46.79
18		450	SCH 10	18.000	457.00	0.250	6.35	17.500	444.30	47.44	70.57
18		450	STD	18.000	457.00	0.375	9.53	17.250	437.94	70.65	105.17
18		450	XS	18.000	457.00	0.500	12.70	17.000	431.60	93.54	139.16
18		450	SCH 40	18.000	457.00	0.562	14.27	16.876	428.46	104.76	155.81
18		450	SCH 80	18.000	457.00	0.938	23.83	16.124	409.34	171.08	254.57
18		450	SCH 160	18.000	457.00	1.781	45.24	14.438	366.52	308.79	459.39
20		500	SCH 5	20.000	508.00	0.188	4.78	19.624	498.44	39.82	59.32
20		500	SCH 10	20.000	508.00	0.250	6.35	19.500	495.30	52.78	78.56
20		500	SCH 20 · STD	20.000	508.00	0.375	9.53	19.250	488.94	78.67	117.15
20		500	SCH 30 · XS	20.000	508.00	0.500	12.70	19.000	482.60	104.23	155.13
20		500	SCH 40	20.000	508.00	0.594	15.09	18.812	477.82	123.23	183.43
20		500	SCH 80	20.000	508.00	1.031	26.19	17.938	455.62	209.06	311.19
20		500	SCH 160	20.000	508.00	1.969	50.01	16.062	407.98	379.53	564.85
22		550	SCH 5	22.000	559.00	0.188	4.78	21.624	549.44	43.84	65.33
22		550	SCH 10	22.000	559.00	0.250	6.35	21.500	546.30	58.13	86.55
22		550	SCH 20 · STD	22.000	559.00	0.375	9.53	21.250	539.94	86.69	129.14
22		550	SCH 30 · XS	22.000	559.00	0.500	12.70	21.000	533.60	114.92	171.10
22		550	SCH 80	22.000	559.00	1.125	28.58	19.750	501.84	251.05	373.85
22		550	SCH 160	22.000	559.00	2.125	53.98	17.750	451.04	451.49	672.30
24		600	SCH 5	24.000	610.00	0.218	5.54	23.564	598.92	55.42	82.58
24		600	SCH 10	24.000	610.00	0.250	6.35	23.500	597.30	63.47	94.53
24		600	SCH 20 · STD	24.000	610.00	0.375	9.53	23.250	590.94	94.71	141.12
24		600	XS	24.000	610.00	0.500	12.70	23.000	584.60	125.61	187.07
24		600	SCH 40	24.000	610.00	0.688	17.48	22.624	575.04	171.45	255.43
24		600	SCH 80	24.000	610.00	1.219	30.96	21.562	548.08	296.86	442.11
24		600	SCH 160	24.000	610.00	2.344	59.54	19.312	490.92	542.64	808.27
26		650	SCH 10	26.000	660.00	0.312	7.92	25.376	644.16	85.68	127.36
26		650	STD	26.000	660.00	0.375	9.53	25.250	640.94	102.72	152.88
26		650	SCH 20 · XS	26.000	660.00	0.500	12.70	25.000	634.60	136.30	202.74
28		700	SCH 10	28.000	711.00	0.312	7.92	27.376	695.16	92.35	137.32
28		700	STD	28.000	711.00	0.375	9.53	27.250	691.94	110.74	164.86
28		700	SCH 20 · XS	28.000	711.00	0.500	12.70	27.000	685.60	146.99	218.71
30		750	SCH 5	30.000	762.00	0.250	6.35	29.500	749.30	79.51	118.34
30		750	SCH 10	30.000	762.00	0.312	7.92	29.376	746.16	99.02	147.29
30		750	STD	30.000	762.00	0.375	9.53	29.250	742.94	118.76	176.85
30		750	SCH 20 · XS	30.000	762.00	0.500	12.70	29.000	736.60	157.68	234.68
32		800	SCH 10	32.000	813.00	0.312	7.92	31.376	797.16	105.69	157.25
32		800	STD	32.000	813.00	0.375	9.53	31.250	793.94	126.78	188.83
32		800	SCH 20 · XS	32.000	813.00	0.500	12.70	31.000	787.60	168.37	250.65
32		800	SCH 40	32.000	813.00	0.688	17.48	30.624	778.04	230.29	342.94
34		850	SCH 10	34.000	864.00	0.312	7.92	33.376	848.16	112.36	167.21
34		850	STD	34.000	864.00	0.375	9.53	33.250	844.94	134.79	200.82

	NPS	DN	SCHEDULE	OD IN	OD MM	WALL IN	WALL MM	BORE IN	BORE MM	LB/FT	KG/M
34		850	SCH 20 · XS	34.000	864.00	0.500	12.70	33.000	838.60	179.06	266.63
34		850	SCH 40	34.000	864.00	0.688	17.48	32.624	829.04	245.00	364.92
36		900	SCH 10	36.000	914.00	0.312	7.92	35.376	898.16	119.03	176.97
36		900	STD	36.000	914.00	0.375	9.53	35.250	894.94	142.81	212.57
36		900	SCH 20 · XS	36.000	914.00	0.500	12.70	35.000	888.60	189.75	282.29
36		900	SCH 40	36.000	914.00	0.750	19.05	34.500	875.90	282.62	420.45
38		950	STD	38.000	965.00	0.375	9.53	37.250	945.94	150.83	224.56
38		950	XS	38.000	965.00	0.500	12.70	37.000	939.60	200.44	298.26
40		1000	STD	40.000	1016.00	0.375	9.53	39.250	996.94	158.85	236.54
40		1000	XS	40.000	1016.00	0.500	12.70	39.000	990.60	211.13	314.23
42		1050	STD	42.000	1067.00	0.375	9.53	41.250	1047.94	166.86	248.53
42		1050	XS	42.000	1067.00	0.500	12.70	41.000	1041.60	221.82	330.21
44		1100	STD	44.000	1118.00	0.375	9.53	43.250	1098.94	174.88	260.52
44		1100	XS	44.000	1118.00	0.500	12.70	43.000	1092.60	232.51	346.18
46		1150	STD	46.000	1168.00	0.375	9.53	45.250	1148.94	182.90	272.27
46		1150	XS	46.000	1168.00	0.500	12.70	45.000	1142.60	243.20	361.84
48		1200	STD	48.000	1219.00	0.375	9.53	47.250	1199.94	190.92	284.25
48		1200	XS	48.000	1219.00	0.500	12.70	47.000	1193.60	253.89	377.81

THE SAME SIZE IS NOT THE SAME EVERYWHERE

Outside diameter at DN 65, by standards family. 3.3 mm apart — more than the $\pm 1\%$ diameter tolerance steel pipe is made to, so these do not fit each other's fittings.

DN 65 outside diameter by standard

STANDARD	OD	COUNTRIES
ASME	73.0 mm	30
GOST	76.0 mm	15
GB/T B	76.0 mm	1
ISO 65	76.1 mm	46
EN 10220	76.1 mm	56
JIS	76.3 mm	9

WHAT IS NOT IN THIS FILE

This sheet carries the schedules people actually specify. The standard also publishes 595 further wall thicknesses — schedules 20, 30, 60, 100, 120 and 140, plus 530 walls it lists with no schedule number at all. All 772 rows are on the site, filterable and searchable, at [pipesizechart.com](#).

Only 292 of the 616 possible size-and-schedule combinations have ever been manufactured. Most of that grid does not exist.

Compiled from ASME B36.10M-2015, parsed from the published standard rather than copied from another chart, and checked against the standard's own mass formula $W = (OD - t) \times t \times C$. Data revision 2026-08-18. Full method and known gaps: [pipesizechart.com/methodology/](#) — corrections: [pipesizechart.com/corrections/](#). Not affiliated with ASME, ISO, or any standards body.