

Pipe Dimensions – PVC Pressure (NPS)



Pipe Size (in)	DN Equivalent (mm)	O/D (mm)	Schedule 40			Schedule 80		
			Wall Thickness (mm)	ID (mm)	Pressure Rating (kPa)	Wall Thickness (mm)	ID (mm)	Pressure Rating (kPa)
½	15 ✓	21.20 - 21.50	2.62 - 2.92	15.30	4135	3.58 - 3.88	13.35	5860
¾	20 ✓	26.60 - 26.90	2.67 - 3.07	20.40	3310	3.71 - 4.11	18.35	4755
1	25 ✓	33.40 - 33.70	3.13 - 3.63	26.15	3100	4.30 - 4.80	23.75	4345
1 ¼	32 ✓	42.10 - 42.40	3.31 - 3.81	34.55	2550	4.60 - 5.10	31.90	3585
1 ½	40 ✓	48.10 - 48.40	3.53 - 3.83	40.40	2275	4.93 - 5.23	37.50	3240
2	50 ✓	60.20 - 60.50	3.71 - 4.11	52.00	1930	5.34 - 5.74	48.60	2755
2 ½	65 ✗	72.90 - 73.20	4.95 - 5.35	62.10	2070	6.80 - 7.20	58.15	2895
3	80 ✓	88.70 - 89.10	5.29 - 5.69	77.25	1790	7.42 - 7.82	72.75	2550
4	100 ✓	114.10 - 114.50	5.77 - 6.27	101.55	1515	8.31 - 8.81	96.15	2205
6	150 ✗	168.00 - 168.50	6.85 - 7.35	153.20	1240	10.70 - 11.20	145.00	1930
8	200 ✗	218.70 - 219.30	7.88 - 8.48	201.70	1105	12.40 - 13.00	193.70	1725
10	250 ✗	272.80 - 273.20	9.00 - 9.60	254.50	965	14.75 - 15.35	242.90	1585
12	300 ✗	323.55 - 324.15	10.00 - 10.60	303.25	895	17.15 - 17.75	288.95	1585

Notes: 1. NPS – Nominal Pipe Size.

2. NPS is the pipe size standard used in North America. The Australian pipe size standard is AS/NZS 1477 (See separate Pipe Dimension Table) which is generally used throughout Australia.

3. AS and NPS PVC Pressure Pipe and Fittings are generally interchangeable. Refer to pipe dimensions (particularly O/D dimensions) for comparison.

4. ✓ denotes sizes which are interchangeable with AS pipe and fittings.

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