NPS to DN Pipe Size Chart

Basis: ISO 6708 DN designations and ASME B36.10M / B36.19M outside diameters.

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NPS, DN and outside diameter

NPS (inch)	DN	OD mm	OD inch
1/8	6	10.3	0.406
1/4	8	13.7	0.539
3/8	10	17.1	0.673
1/2	15	21.3	0.839
3/4	20	26.7	1.051
1	25	33.4	1.315
1 1/4	32	42.2	1.661
1 1/2	40	48.3	1.902
2	50	60.3	2.374
2 1/2	65	73.0	2.874
3	80	88.9	3.500
3 1/2	90	101.6	4.000
4	100	114.3	4.500
5	125	141.3	5.563
6	150	168.3	6.626
8	200	219.1	8.626
10	250	273.0	10.748
12	300	323.8	12.748
14	350	355.6	14.000
16	400	406.4	16.000
18	450	457.0	17.992
20	500	508.0	20.000
22	550	559.0	22.008
24	600	610.0	24.016

Notes

- From NPS 14 the OD in inches equals the NPS.
- EN 10255 and some metric tube systems use different ODs for the same DN.

Free download from instrumentationblog.in. Check values against the current edition of the standard for design work.