

Pipe Size Chart — NPS dimensions & NPT tap drills

ASME B36.10M outside diameters and Schedule 40/80 walls (ID = OD - 2 × wall). NPT taper threads per ASME B1.20.1 with the standard tap drill chart.

NPS 1/8 – 12

NPS	OD "	OD mm	S40 WALL	S40 ID	S80 WALL	S80 ID	NPT TPI	NPT TAP DRILL
1/8	0.405	10.3	0.068	0.269	0.095	0.215	27	R
1/4	0.540	13.7	0.088	0.364	0.119	0.302	18	7/16"
3/8	0.675	17.1	0.091	0.493	0.126	0.423	18	37/64"
1/2	0.840	21.3	0.109	0.622	0.147	0.546	14	23/32"
3/4	1.050	26.7	0.113	0.824	0.154	0.742	14	59/64"
1	1.315	33.4	0.133	1.049	0.179	0.957	11.5	1-5/32"
1-1/4	1.660	42.2	0.140	1.380	0.191	1.278	11.5	1-1/2"
1-1/2	1.900	48.3	0.145	1.610	0.200	1.500	11.5	1-47/64"
2	2.375	60.3	0.154	2.067	0.218	1.939	11.5	2-7/32"
2-1/2	2.875	73.0	0.203	2.469	0.276	2.323	8	2-5/8"
3	3.500	88.9	0.216	3.068	0.300	2.900	8	3-1/4"
3-1/2	4.000	101.6	0.226	3.548	0.318	3.364	—	—
4	4.500	114.3	0.237	4.026	0.337	3.826	—	—
5	5.563	141.3	0.258	5.047	0.375	4.813	—	—
6	6.625	168.3	0.280	6.065	0.432	5.761	—	—
8	8.625	219.1	0.322	7.981	0.500	7.625	—	—
10	10.750	273.1	0.365	10.020	0.594	9.562	—	—
12	12.750	323.8	0.406	11.938	0.688	11.374	—	—