

NPT Threads

NPT Pipe Size	Major Dia External / Minor Dia Internal	Threads Per Inch	Pitch	Minor Dia External / Major Diameter Internal	Minor Radius External	<u>P/4</u>	<u>P/8</u>
inch	inch	inch	inch	inch	inch	inch	inch
1/16	0.3125	27	0.03704	0.272403015	0.136201507	0.00926	0.00463
1/8	0.405	27	0.03704	0.364903015	0.182451507	0.00926	0.00463
1/4	0.54	18	0.05556	0.479854522	0.239927261	0.01389	0.00695
3/8	0.675	18	0.05556	0.614854522	0.307427261	0.01389	0.00695
1/2	0.84	14	0.07143	0.762674739	0.38133737	0.01786	0.00893
3/4	1.05	14	0.07143	0.972674739	0.48633737	0.01786	0.00893
1	1.315	11.5	0.08696	1.220863017	0.610431509	0.02174	0.01087
1¼	1.66	11.5	0.08696	1.565863017	0.782931509	0.02174	0.01087
1½	1.9	11.5	0.08696	1.805863017	0.902931509	0.02174	0.01087
2	2.375	11.5	0.08696	2.280863017	1.140431509	0.02174	0.01087
2½	2.875	8	0.125	2.7396835	1.36984175	0.03125	0.01563
3	3.5	8	0.125	3.3646835	1.68234175	0.03125	0.01563
4	4.5	8	0.125	4.3646835	2.18234175	0.03125	0.01563
5	5.563	8	0.125	5.4276835	2.71384175	0.03125	0.01563
6	6.625	8	0.125	6.4896835	3.24484175	0.03125	0.01563
10	10.75	8	0.125	10.6146835	5.30734175	0.03125	0.01563
12	12.75	8	0.125	12.6146835	6.30734175	0.03125	0.01563
14	14	8	0.125	13.8646835	6.93234175	0.03125	0.01563
16	16	8	0.125	15.8646835	7.93234175	0.03125	0.01563
18	18	8	0.125	17.8646835	8.93234175	0.03125	0.01563
20	20	8	0.125	19.8646835	9.93234175	0.03125	0.01563
24	24	8	0.125	23.8646835	11.93234175	0.03125	0.01563

Note: NPS (Nominal Pipe Size) threads are comprised of the specifications above without any taper. NPT (National Pipe Threads) are comprised of the specifications above with an added taper of 1:16 on the major diameter (1.7899 degrees measured from the centerline).

Any use of the above information is done with the full understanding that Allied Titanium, Inc. or its representatives provide no engineering services or guarantees that the specifications above are accurate. Users of the above specifications should be advised to consult with an engineer to insure their accuracy and suitability for any application.