

# National Pipe Taper (NPT) Joint Strength

Nominal Size (inches OD)	Schedule	NPT Joint Strength (pounds)	Wall Size (inches)	Inside Diameter (inches)	Weight Per Foot (pounds)
3/8 (0.675)	40	540	0.091	0.493	0.573
	80	920	0.126	0.423	0.746
1/2 (0.840)	40	740	0.109	0.622	0.851
	80	1,250	0.147	0.546	1.088
	160	1,750	0.187	0.466	1.474
3/4 (1.050)	40	1,500	0.113	0.824	1.131
	80	1,800	0.154	0.742	1.474
	160	2,800	0.218	0.614	1.937
1 (1.315)	40	1,500	0.133	1.049	1.679
	80	2,600	0.179	0.957	2.172
	160	4,000	0.250	1.815	2.844
1 1/4 (1.660)	40	2,200	0.140	1.380	2.273
	80	3,800	0.191	1.278	2.997
	160	5,500	0.250	1.160	3.765
1 1/2 (1.900)	40	2,700	0.145	1.610	2.718
	80	4,700	0.200	1.500	3.631
	160	7,500	0.281	1.338	4.859
2 (2.375)	40	3,900	0.154	2.067	3.653
	80	7,000	0.218	1.939	5.022
	160	12,300	0.344	1.687	7.462
2 1/2 (2.875)	40	5,700	0.203	2.469	5.793
	80	9,800	0.276	2.323	7.661
	160	15,000	0.375	2.125	10.010
3 (3.500)	40	8,000	0.216	3.068	7.576
	80	13,900	0.300	2.900	10.250
	160	23,000	0.438	2.624	14.320
3 1/2 (4,000)	40	10,000	0.226	3.548	9.109
	80	17,500	0.318	3.364	12.510
4 (4,500)	40	12,500	0.237	4.026	10.790
	80	21,500	0.337	3.826	14.980
	160	38,500	0.531	3.438	22.510
5 (5.562)	40	18,300	0.258	5.047	14.620
	80	32,000	0.375	4.813	20.780
	160	58,500	0.625	4.312	32.960
6 (6.625)	40	25,000	0.280	6.065	18.970
	80	46,000	0.432	5.761	28.570
	160	83,500	0.719	5.187	45.350

The information and data presented herein are typical or average values and are not a guarantee of maximum or minimum values. No liability, either direct or indirect, is assumed for the correctness of this, or any other data in this publication. Applications specifically suggested are made only for the purpose of illustration, to enable the reader to make his/her own evaluation, and are not intended as warranties either expressed or implied of fitness for these or other uses.

©2004, MAASS Midwest Manufacturing, Inc.

MEMBER:



**MANUFACTURERS OF QUALITY WATER WELL ACCESSORIES**



U.S. & CANADA 1-800-323-6259 • FAX 1-847-669-3230 [www.maassmidwest.com](http://www.maassmidwest.com)

P. O. Box 547, 11283 Dundee Road, Huntley, IL 60142-0547 • (800) 323-6259 • IL AREA (847) 669-5135