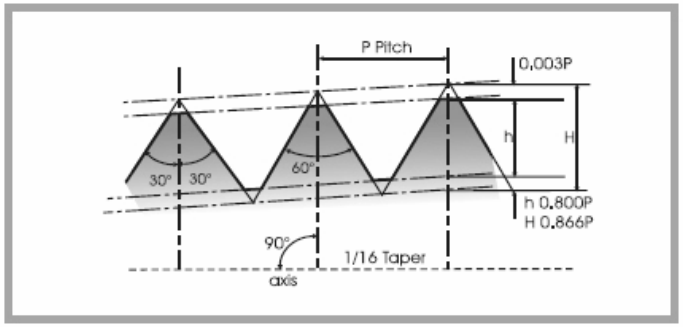
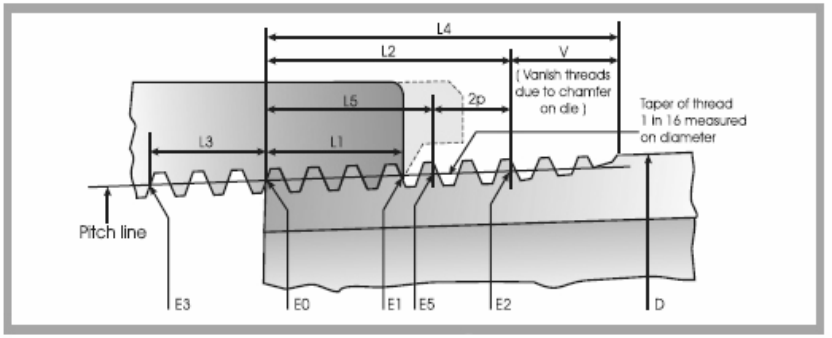
ZEE

Pipe Thread Standard

Pipe Thread: ANSI/ASME B1.20.1





Taper

H = 0.866025 P

h = 0.800000 P

* Straight Pipe Threads : the pitch, angle, and depth of thread are the same as the corresponding dimensions of the taper pipe threads.

Dimensions, in Inch

Nominal Pipe Size (inches)	O.D. of Pipe (D)	Threads /in. (N)	Pitch of Thread (P)	Pitch Dia. at Beginning of External Thread (E0)	Handtight Engagement			Effective Thread. Extenal			Depth of Thread
					Length[2] (L1)		Diam.[3]	Length[4] (L2)		Diam.[3]	
					Inch	Thread	(E1)	Inch	Thread	(E2)	h
1/8	0.405	27.0	0.037	0.363	0.161	4.36	0.373	0.263	7.12	0.380	0.029
1/4	0.540	18.0	0.055	0.477	0.227	4.10	0.491	0.401	7.23	0.502	0.044
3/8	0.675	18.0	0.055	0.612	0.240	4.32	0.627	0.407	7.34	0.637	0.004
1/2	0.840	14.0	0.071	0.758	0.320	4.48	0.778	0.533	7.47	0.791	0.057
3/4	1.050	14.0	0.071	0.967	0.339	4.75	0.988	0.545	7.64	1.001	0.057
1	1.315	11.5	0.086	1.213	0.400	4.60	1.238	0.682	7.85	1.256	0.069
1 1/4	1.660	11.5	0.086	1.557	0.420	4.83	1.583	0.706	8.13	1.601	0.069
1 1/2	1.900	11.5	0.086	1.796	0.420	4.83	1.822	0.723	8.32	1.841	0.069
2	2.375	11.5	0.869	2.269	0.436	5.01	2.296	0.756	8.70	2.316	0.069
2 1/2	2.875	8.0	0.125	2.719	0.682	5.46	2.762	1.137	9.10	2.790	0.100
3	3.500	8.0	0.125	3.340	0.766	6.13	3.388	1.200	9.60	3.415	0.100
3 1/2	4.000	8.0	0.125	3.837	0.821	6.57	3.888	1.250	10.00	3.915	0.100
4	4.500	8.0	0.125	4.334	0.844	6.75	4.387	1.300	10.40	4.415	0.100
5	5.563	8.0	0.125	5.390	0.937	7.50	5.449	1.406	11.25	5.478	0.100
6	6.625	8.0	0.125	6.446	0.958	7.66	3.505	1.512	12.21	6.540	0.100

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