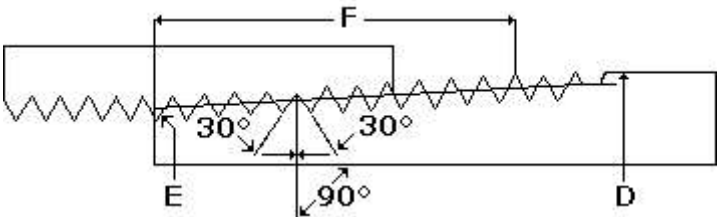


ASME B1.20.1 Pipe Thread Tolerances

Pipe Thread Standards for Taper Thread Fittings Manufactured Per ASME B1.20.1 (1983)



ASME STANDARD, B1.20.1* TAPER PIPE THREAD DIMENSIONS**

NOMINAL PIPE SIZE	NUMBER OF THREADS PER INCH	OUTSIDE DIAMETER OF PIPE "D"	PITCH DIAMETER AT BEGINNING OF EXTERNAL THREAD "E"	LENGTH OF EFFECTIVE THREAD, EXTERNAL "F"
1/8"	27	.405	.36351	.2639
1/4"	18	.540	.47739	.4018
3/8"	18	.675	.61201	.4078
1/2"	14	.840	.75843	.5337
3/4"	14	1.050	.96768	.5457
1"	11.5	1.315	1.21363	.6828
1-1/4"	11.5	1.660	1.55713	.7068
1-1/2"	11.5	1.900	1.79609	.7235
2"	11.5	2.375	2.26902	.7565
2-1/2"	8	2.875	2.71953	1.1375
3"	8	3.500	3.34062	1.2000
3-1/2"	8	4.000	3.83750	1.2500
4"	8	4.500	4.33438	1.3000

* For more information on the complete ASME specification consult your penn machine representative.

** ALL DIMENSIONS ARE IN INCHES.

** The dimensions given here do not allow for variations in tapping or threading. Standard gaging tolerance equals plus or minus one thread on both male and female threads.