

①对薄壁件，此公差适用于平均中径。该中径是测量两个相互垂直直径的算术平均值。

$$H = 0.960\,491\,P$$
$$h = 0.640\,327\,P$$
$$r = 0.137\,329\,P$$

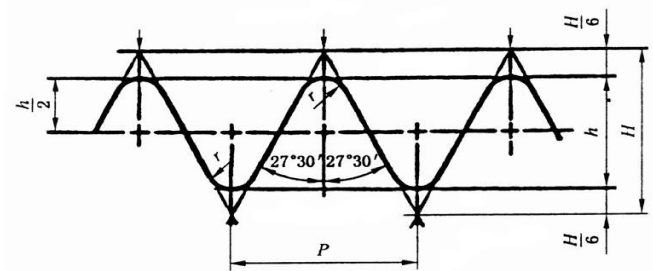


图 1 螺纹的设计牙型

尺寸代号	每25.4mm内所包含的牙数n	螺距P	牙高h	基本直径			中径公差①					小径公差		大径公差	
				大径d=D	中径d ₂ =D ₂	小径d ₁ =D ₁	内螺纹		外螺纹			内螺纹		外螺纹	
							下偏差	上偏差	下偏差		上偏差	下偏差	上偏差	下偏差	上偏差
									A级	B级					
mm															
1/16	28	0.907	0.581	7.723	7.142	6.561	0	0.107	-0.107	-0.214	0	0	0.282	-0.214	0
1/8	28	0.907	0.581	9.728	9.147	8.566	0	0.107	-0.107	-0.214	0	0	0.282	-0.214	0
1/4	19	1.337	0.856	13.157	12.301	11.445	0	0.125	-0.125	-0.25	0	0	0.445	-0.25	0
3/8	19	1.337	0.856	16.662	15.806	14.95	0	0.125	-0.125	-0.25	0	0	0.445	-0.25	0
1/2	14	1.814	1.162	20.955	19.793	18.631	0	0.142	-0.142	-0.284	0	0	0.541	-0.284	0
5/8	14	1.814	1.162	22.911	21.749	20.857	0	0.142	-0.142	-0.284	0	0	0.541	-0.284	0
3/4	14	1.814	1.162	26.441	25.279	24.117	0	0.142	-0.142	-0.284	0	0	0.541	-0.284	0
7/8	14	1.814	1.162	30.201	29.039	27.877	0	0.142	-0.142	-0.284	0	0	0.541	-0.284	0
1	11	2.309	1.479	33.249	31.77	30.291	0	0.18	-0.18	-0.36	0	0	0.64	-0.36	0
1 1/8	11	2.309	1.479	37.897	36.418	34.939	0	0.18	-0.18	-0.36	0	0	0.64	-0.36	0
1 1/4	11	2.309	1.479	41.91	40.431	38.952	0	0.18	-0.18	-0.36	0	0	0.64	-0.36	0
1 1/2	11	2.309	1.479	47.803	46.324	44.845	0	0.18	-0.18	-0.36	0	0	0.64	-0.36	0
1 3/4	11	2.309	1.479	53.746	52.267	50.788	0	0.18	-0.18	-0.36	0	0	0.64	-0.36	0
2	11	2.309	1.479	59.614	58.135	56.656	0	0.18	-0.18	-0.36	0	0	0.64	-0.36	0
2 1/4	11	2.309	1.479	65.71	64.231	62.752	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0
2 1/2	11	2.309	1.479	75.184	73.705	72.226	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0
2 3/4	11	2.309	1.479	81.534	80.055	78.576	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0

3	11	2.309	1.479	87.884	86.405	84.926	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0
3 1/2	11	2.309	1.479	100.33	98.851	97.372	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0
4	11	2.309	1.479	113.03	111.551	110.072	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0
4 1/2	11	2.309	1.479	125.73	124.251	122.772	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0
5	11	2.309	1.479	138.43	136.951	135.472	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0
5 1/2	11	2.309	1.479	151.13	149.651	148.172	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0
6	11	2.309	1.479	163.83	162.351	160.872	0	0.217	-0.217	-0.434	0	0	0.64	-0.434	0