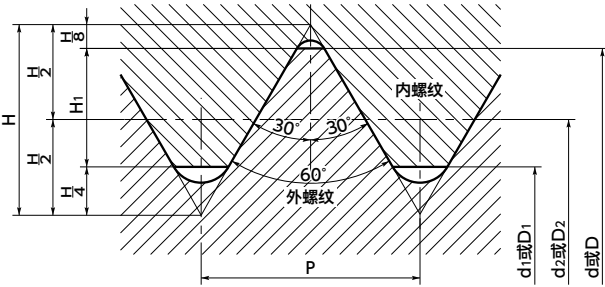


统一粗牙螺纹、细牙螺纹的基本牙形、公式及基准尺寸



$$P = \frac{25.4}{n}$$
$$H = \frac{0.866025}{n} \times 25.4$$
$$H_1 = \frac{0.541266}{n} \times 25.4$$
$$d = (d) \times 25.4$$
$$d_2 = (d - \frac{0.649519}{n}) \times 25.4$$
$$d_1 = (d - \frac{1.082532}{n}) \times 25.4$$
$$D = d$$
$$D_2 = d_2$$
$$D_1 = d_1$$

英制螺纹的标示方法
例：No.8 - 32 UNC
螺纹公称直径 螺纹数
UNC：粗牙
UNF：细牙

螺牙数 (n)：每 1 英寸 (25.4mm) 的螺牙数
螺距 (P)：每 1 英寸 (25.4mm) ÷ 螺牙数

统一粗牙螺纹		单位：mm		
螺纹公称直径*		内螺纹		
		底部直径 D	有效直径 D ₂	内径 D ₁
1	2	外螺纹		
		外径 d	有效直径 d ₂	底部直径 d ₁
No. 2-56 UNC	No. 1-64 UNC No. 3-48 UNC	1.854	1.598	1.425
		2.184	1.890	1.694
		2.515	2.172	1.941
No. 4-40 UNC No. 5-40 UNC No. 6-32 UNC		2.845	2.433	2.156
		3.175	2.764	2.487
		3.505	2.990	2.647
No. 8-32 UNC No. 10-24 UNC	No.12-24 UNC	4.166	3.650	3.307
		4.826	4.138	3.680
		5.486	4.798	4.341
1/4-20 UNC 5/16-18 UNC 3/8-16 UNC		6.350	5.524	4.976
		7.938	7.021	6.411
		9.525	8.494	7.805
7/16-14 UNC 1/2-13 UNC		11.112	9.934	9.149
		12.700	11.430	10.584

*优先选择 1 栏，根据需要选择 2 栏。

统一细牙螺纹		单位：mm		
No. 0-80 UNF	No. 1 - 72 UNF	1.524	1.318	1.181
No. 2-64 UNF		1.854	1.626	1.473
		2.184	1.928	1.755
No. 4-48 UNF	No. 3 - 56 UNF	2.515	2.220	2.024
No. 5-44 UNF		2.845	2.502	2.271
		3.175	2.799	2.550
No. 6-40 UNF		3.505	3.094	2.817
No. 8-36 UNF		4.166	3.708	3.401
No. 10-32 UNF		4.826	4.310	3.967
1/4-28 UNF 5/16-24 UNF	No.12 - 28 UNF	5.486	4.897	4.503
		6.350	5.761	5.367
		7.938	7.249	6.792
3/8-24 UNF 7/16-20 UNF 1/2-20 UNF		9.525	8.837	8.379
		11.112	10.287	9.738
		12.700	11.874	11.326

*优先选择 1 栏，根据需要选择 2 栏。