Thread Specification Data 螺纹规格

公制粗螺纹 Metric coarse thread				公制细螺纹 Metric fine thread			
规格 Specification	标准径 Standard diameter	2 级螺纹内径 Thread inner diameter (level 2)		规格 Specification	标准径 Standard diameter	1 级-2 级螺纹内径Thread inner diameter (level 1-2)	
		上限 MAX	下限 MIN			上限 MAX	下限 MIN
M1*0.25	0.75	0.785	0.729	M1*0.20	0.8	0.821	0.783
M1.1*0.25	0.85	0.885	0.829	M1.1*0.20	0.9	0.921	0.883
M1.2*.25	0.95	0.985	0.929	M1.2*0.20	1	1.021	0.983
M1.4*0.3	1.1	1.142	1.075	M1.4*0.20	1.2	1.221	1.183
M1.6*0.35	1.25	1.321	1.221	M1.6*0.20	1.4	1.421	1.383
M1.7*0.35	1.35	1.421	1.321	*M1.7*0.20	1.45	1.5	1.46
M1.8*0.35	1.45	1.521	1.421	M1.8*0.20	1.6	1.621	1.583
M2*0..4	1.6	1.679	1.576	M2*0.25	1.75	1.785	1.729
M2.2*0.45	1.75	1.838	1.713	M2.2*0.25	1.95	1.985	1.929
M2.3*0.4	1.9	1.979	1.867	*M2.3*0.25	2.05	2.016	2.001
M2.5*0.45	2.1	2.138	2.013	M2.5*0.35	2.121	2.221	2.121
M2.6*0.45	2.2	2.238	2.113	*M2.6*0.35	2.2	2.246	2.186
M3*0.5	2.5	2.599	2.459	M3*0.35	2.7	2.721	2.621
*M3*0.6	2.4	2.44	2.28	M3.5*0.35	3.2	3.221	3.121
M3.5*0.6	2.9	3.01	2.85	M4*0.50	3.5	3.599	3.459
M4*0.7	3.3	3.422	3.242	M4.5*0.50	4	4.099	3.959
*M4*0.75	3.25	3.326	3.106	M5*0.50	4.5	4.599	4.459
M4.5*0.75	3.8	3.878	3.688	M5.5*0.50	5	5.099	4.959
M5*0.8	4.2	4.334	4.134	M6*0.75	5.3	5.378	5.188
*M5*0.9	4.1	4.17	3.93	*M6*0.5	5.5	5.55	5.4
M6*1	5	5.153	4.917	M7*0.75	6.3	6.378	6.188
M7*1	6	6.153	5.917	*M7*0.50	6.5	6.55	6.4
M8*1.25	6.8	6.912	6.647	M8*1.0	7	7.153	6.917
M9*1.25	7.8	7.912	7.647	M8*0.75	7.3	7.378	7.188
M10*1.5	8.5	8.676	8.376	*M8*0.50	7.5	7.52	7.4
M11*1.5	9.5	9.676	9.376	M9*1.0	8	8.153	7.917
M12*1.75	10.3	10.441	10.106	M9*0.75	8.3	8.378	8.188
M14*2	12	12.21	11.835	M10*1.25	8.8	8.912	8.647
M16*2	14	14.21	13.835				
M18*2.5	15.5	15.744	15.249				
M20*2.5	17.5	17.744	17.249				
M22*2.5	19.5	19.744	19.249				
M24*3	21	21.252	20.752				
M27*3	24	24.252	23.752				

M30*3.5	26.5	26.771	26.211				
M33*3.5	29.5	29.771	29.211				
M36*4	32	32.27	31.67				
M39*4	35	35.27	34.67				
M42*4.5	37.5	37.779	37.129				
M45*4.5	40.5	40.779	40.129				
M48*5	43	43.279	42.587				
				附* 号螺纹自学968 年3 月删除			
公制细螺纹							
规格	标准径	2 级螺纹内径		规格	标准径	1 级-2 级螺纹内径	
		上限	下限			上限	下限
M10*1	9	9.153	8.917	M32*1.50	30.5	30.676	30.376
M10*0.75	9.3	9.378	9.188	M33*3	30	30.252	29.752
*M10*0.5	9.5	9.52	9.4	M33*2	31	31.21	30.835
M11*1	10	10.153	9.917	M33*1.50	31.5	31.676	31.376
M11*0.75	10.3	10.378	10.188	M35*1.50	33.5	33.676	33.376
M12*1.5	10.5	10.676	10.376	M36*3.0	33	33.252	32.752
M12*1.25	10.8	10.912	10.647	M36*2.0	34	34.21	33.835
M12*1	11	11.153	10.917	M36*1.50	34.5	34.676	34.376
*M12*0.5	11.5	11.52	11.4	M38*1.50	36.5	36.676	36.376
M14*1.5	12.5	12.676	12.376	M39*3	36	36.252	35.752
M14*1.0	13	13.153	12.917	M39*2	37	37.21	36.835
M15*1.5	13.5	13.676	13.376	M39*1.50	37.5	37.676	37.376
M15*1.0	14	14.153	13.917	M40*3	37	37.252	36.752
M16*1.50	14.5	14.676	13.917	M40*2	38	38.21	37.835
M16*1.0	15	15.153	14.376	M40*1.50	38.5	38.676	38.376
M17*1.50	15.5	15.676	14.917	M42*4	38	38.27	37.67
M17*1.0	16	16.153	15.376	M42*3	39	39.252	38.752
M18*2.0	16	16.21	15.835	M42*2	40	40.21	39.835
M18*1.50	16.5	16.676	16.376	M42*1.50	40.5	40.676	40.376
M18*1.0	17	17.153	16.917	M45*4	41	41.27	40.67
M20*2.0	18	18.21	17.835	M45*3	42	42.252	41.752
M20*1.50	18.5	18.676	18.376	M45*2	43	43.21	42.835
M20*1.0	19	19.153	18.917	M45*1.50	43.5	43.676	43.376
M22*2	20	20.21	19.835	M48*4	44	44.27	43.67
M22*1.50	20.5	20.676	20.376	M48*3	45	45.252	44.752
M22*1.0	21	21.153	20.917	M48*2	46	46.21	45.835
M24*2.0	22	22.21	21.835	M48*1.50	46.5	46.676	46.376
M24*1.50	22.5	22.676	22.376	M50*3	47	47.252	
M24*1.0	23	23.153	22.917	M50*2	48	48.21	47.835
M25*2.0	23	23.21	22.835	M50*1.50	48.5	48.676	48.376
M25*1.50	23.5	23.676	23.376				

M25*1.0	24	24.153	23.917				
M26*1.50	24.5	24.676	24.376				
M27*2.0	25	25.21	24.835				
M27*1.50	25.5	25.676	25.376				
M27*1.0	26	26.153	25.917				
M28*2.0	26	26.21	25.835				
M28*1.50	26.5	26.676	26.373				
M28*1.0	27	27.153	26.917				
M30*3.0	27	27.252	26.752				
M30*2.0	28	28.21	27.835				
M30*1.50	28.5	28.676	28.376				
M30*1.0	29	29.153	28.917				
M32*2.0	30	30.21	29.835				
				附* 号螺纹自学968 年3 月删除			

惠式螺纹（旧英制牙）				山数节距换算表	
规格	钻头径				
	A 例	B例		山数(25.4)	节数
*W1\8-40	2.65	2.6		100	0.254
*W5\32-32	3.25	3.2		880	0.3175
*w3\16-24	3..75	3.7		772	0.3518
W1\4-20	5.1	5		64	0.3969
W5\16-18	6.6	5		60	0.4233
W3\8-16	8	6.5		56	0.4536
W7\16-14	9.4	7.9		48	0.5292
W1\2-12	10.7	9.310.5		44	0.5773
W9\16-12	12.3	12		40	0.635
W5\8-11	13.7	13.5		36	0.7056
W3\4-10	16.7	16.5		32	0.7938
W7\8-9	19.5	19.3		28	0.9071
W1-8	22.4	22		24	1.0583
W1\8-7	25	24.8		20	1.27
W11\4	28.3	28		18	1.4111
W13\8-6	30.5	30.3		16	1.5875
W11\2-6	33.8	33.5		14	1.8143
W15\8-5	36	35.7		13	1.9538
W13\4-5	39.2	39		12	2.1167
W11\8-5	41.8	41.5		11	2.3091
W2-41\2	45	44.7		10	2.54
牙套螺纹攻用				9	2.8222
规格	钻头径	下孔径		8	3.175
		上限	下限	7	3.6286
M3*0.5	3.1	3.2	3.12	6	4.2333
M4*0.7	4.2	4.3	4.17	5	5.08

M5*0.8	5.2	5.33	5.16	41\2	5.6444
M6*1	6.3	6.42	6.25	4	6.35
M8*1.25	8.4	8.52	8.31	31\2	7.2571
M10*1.5	10.5	10.62	10.37	31\2	7.8154
M10*1.25	10.4	10.52	10.31	3	8.4667
M10*1	10.3	10.42	10.25	27\8	8.8348
M12*1.75	12.5	12.73	12.43	23\4	9.2364
M12*1.5	12.5	12.62	12.37	25\8	9.6762
M12*1.25	12.5	12.52	12.31	21\2	10.16
M14*2	14.5	14.83	14349		
M14*1.5	14.5	14.62	14.37		
M16*2	16.5	16.83	16.49		
M16*1.5	16.5	16.62	16.37		
M18*2.5	19	19.04	18.58		
M18*1.5	18.5	18.62	18.37		
M20*2.5	21	21.04	20.58		
M20*1.5	20.5	20.62	20.37		

美制粗螺纹				**英制管螺纹**			
规格UNC 外径	2 级牙钻孔径			规格	标准径	钻孔径	
	标准径	最大	最小			最大	最小
NO.1－64（1.854）	1.55	1.582	1.452	PS1\16-28	6.5	6.632	6.49
NO.2-56(2.184)	1.8	1.871	1.695	PS1\8-28	8.5	8.687	8.495
NO.3-48(2.515)	2.1	2.146	1.941	Ps1\4-19	11.4	11.549	11.341
NO.4-40(2.845)	2.3	2.385	2.157	PS3\8-19	15	15.054	14.846
NO.5-40(3.173)	2.6	2.679	2.487	PS1\2-14	18.5	18.733	18.489
NO.6-32(3.505)	2.8	2.895	2.642	PS3\4-14	24	24.259	23.975
NO.8-32(4.166)	3.4	3.53	3.302	PS1\4-11	30.2	30.471	30.111
NO.10-24(4.826)	3.9	3.962	3.683	PS1-1\4-11	38.8	39.132	38.772
NO.12-24(5.486)	4.5	4.597	4.344	PS1-1\2-11	44.8	45.025	44.665
1\4-20	5.1	5.257	4.979	PS2-1\2-11	56.5	56.836	56.476
5\16-18	6.6	6.731	6.401				
3\8-16	8	8.153	7.793	英制管螺纹			
7\16-14	9.4	9.55	9.144	规格	标准径		标准长度之螺牙内径
1\2-13	10.8	11.023	10.592		使用铰刀时	不用铰刀时	
9\16-12	12.2	12.446	11.989	PT1\16-28	6.1	6.2	6.384
5\8-11	13.6	12.868	13.386	PT1\8-28	8.1	8	8.388
3\4-10	16.5	18.84	16.307	PT1\4-19	10.7	11	11.174
7\8-9	19.5	19.761	19.507	PT3\8-19	14.2	14.5	14.685

1\8-8	22.2	22.606	21.971	PT1\2-14	17.6	13	18.263
1-1\8-7	25	25.349	24.6398	PT3\4-14	23	23.5	23.663
1-1\4-7	28.2	28.524	27.813	PT1\4-11	29	29.5	29.822
1-3\8-6	30.8	31.115	30.353	PT1-1\4-11	37.5	38	38.339
1-1\2-6	34	34.29	33.528	PT1-1\2-11	43.4	44	44.232
1-3\4-5	39.5	39.827	38.964	PT2-2-11	54.9	55.5	55.844
1-4-1\2	45.2	45.593	44.679				

公制粗螺纹				公制细螺纹							
规格	标准径	最大	最小	规格	标准径	最大	最小	规格	标准径	最大	最小
M1.0*0.25	0.75	0.785	0.729	M1.0*0.2	0.8	0.821	0.783	M15*1.0	14	14.353	13.917
M1.1*0.25	0.85	0.885	0.829	M1.1*0.2	0.9	0.921	0.883	M16*1.5	14.5	14.676	14.376
M1.2*0.25	0.95	0.985	0.929	M1.2*0.2	1	1.021	0.983	M16*1.0	15	15.153	14.917
M1.4*0.3	1.1	1.142	1.075	M1.4*0.2	1.2	1.221	1.183	M17*1.5	15.5	15.676	15.376
M1.6*0.35	1.25	1.321	1.221	M1.6*0.2	1.4	1.421	1.383	M17*1.0	16	16.153	15.917
M1.7*0.35	1.35	1.421	1.321	M1.7*0.2	1.45	1.5	1.46	M18*2.0	16	16.21	15.835
M1.8*0.35	1.45	1.521	1.421	M1.8*0.2	1.6	1.621	1.583	M18*1.5	16.5	16.676	16.376
M2.0*0.4	1.6	1.679	1.567	M2.0*0.25	1.75	1.785	1.729	M18*1.0	17	17.153	16.917
M2.2*0.45	1.75	1.888	1.713	M2.2*0.25	1.95	1.985	1.929	M20*2.0	18	18.21	17.835
M2.3*0.4	1.9	1.979	1.867	M2.3*0.25	2.05	2.061	2.001	M20*1.5	18.5	18.676	18.376
M2.5*0.45	2.1	2.138	2.013	M2.5*0.35	2.2	2.221	2.121	M20*1.0	19	19.153	18.917
M2.6*0.45	2.2	2.238	2.113	M2.5*0.35	2.2	2.246	2.186	M22*2.0	20	20.21	19.835
M3.0*0.5	2.5	2.599	2.459	M3.0*0.35	2.7	2.721	2.621	M22*1.5	20.5	20.676	20.376
M3.0*0.6	2.4	2.44	2.28	M3.5*0.35	3.2	3.221	3.121	M22*1.0	21	21.153	20.917
M3.5*0.6	2.9	3.01	2.85	M4.0*0.5	3.5	3.599	3.459	M24*2.0	22	22.21	21.835
M4.0*0.7	3.8	3.422	3.242	M4.5*0.5	4	4.099	3.959	M24*1.5	22.5	22.676	22.376
M4.0*0.75	3.25	3.326	3.106	M5.0*0.5	4.5	4.599	4.459	M24*1.0	23	23.153	22.917
M4.5*0.7	3.8	3.878	3.688	M5.5*0.5	5	5.099	4.959	M25*2.0	23	23.21	22.835
M5*0.8	4.2	4.334	4.134	M6.0*0.75	5.3	5.378	5.188	M25*1.5	23.5	23.676	23.376
M5*0.9	4.1	4.17	3.98	M6.0*0.5	5.5	5.55	5.4	M25*1.0	24	24.153	23.917
M6*1.0	5	5.153	4.917	M7.0*0.75	6.3	6.378	6.188	M26*1.5	24.5	24.676	24.876
M7*1.0	6	6.153	5.917	M7.0*0.5	6.5	6.55	6.4	M27*2.0	25	25.21	24.735
M8*1.25	6.8	6.912	6.647	M8.0*1	7	7.153	6.917	M27*1.5	25.5	25.676	25.376
M9*1.25	7.8	7.912	7.647	M8.0*0.75	7.3	7.378	7.188	M27*1.0	26	26.153	25.735
M10*1.5	8.5	8.676	8.376	M8.0*0.5	7.5	7.52	7.4	M28*2.0	26	26.21	25.835
M11*1.5	9.5	9.676	9.376	M9.0*1	8	8.153	7.917	M28*1.5	26	26.676	26.376

M12*1.75	10.3	10.24	10.11	M9.0*0.75	8.3	8.378	8.188	M28*1.0	27	27.153	26.917
M14*2.0	12	12.21	11.84	M10*1.25	8.8	8.912	8.647	M30*3.0	27	27.252	26.752
M16*2.0	14	14.21	13.84	M10*1.0	9	9.153	8.917	M30*2.0	28	28.21	27.835
M18*2.5	15	15.144	15.29	M10*0.75	9.3	9.378	9.188	M30*1.0	28	28.676	28.376
M20*2.5	17	17.744	17.29	M10*0.5	9.5	9.52	9.4	M32*2.0	30	29.153	28.917
M22*2.5	19	19.744	19.29	M11*1.0	10	10.153	9.917	M32*1.5	30	30.21	29.835
M24*3.0	21	21.252	20.75	M11*0.75	10.3	10.378	10.19	M33*3.0	30	30.676	30.376
M27*3.0	24	24.252	23.75	M12*1.5	10.5	10.676	10.38	M33*2.0	31	30.252	29.752
M30*3.5	26.5	26.771	26.21	M12*1.25	10.8	10.912	10.65	M33*1.5	31.5	31.21	30.835
				M12*1	11	11.153	10.92	M35*1.5	33.5	33.676	31.376
				M12*0.5	11.5	11.523	11.4	M36*3.0	33	33.252	32.752
				M14*0.5	12.5	12.676	12.38	M36*2.0	34	34.21	33.835
				M14*1.0	13	13.153	12.92	M36*1.5	34	34.676	34.376
				M15*1.50	13.5	13.676	13.38				