

ISO metric coarse pitch thread

DIN 13 and DIN ISO 965-1

M	Pitch				Pitch diam. max. 6g	Pitch diam. min. 6g
M2	0,4	1,6	1,65	1,82	1,721	1,654
M2,5	0,45	2,05	2,1	2,3	2,188	2,117
M3	0,5	2,5	2,5	2,8	2,655	2,580
M3,5	0,6	2,9	3,0	3,25	3,089	3,004
M4	0,7	3,3	3,4	3,7	3,523	3,433
M4,5	0,75	3,7	3,8		3,991	3,901
M5	0,8	4,2	4,3	4,6	4,456	4,361
M6	1,0	5,0	5,1	5,5	5,324	5,212
M8	1,25	6,8	6,9	7,4	7,160	7,042
M10	1,5	8,5	8,7	9,3	8,994	8,862
M12	1,75	10,2	10,4	11,2	10,829	10,679
M14	2,0	12,0	12,2	13,0	12,663	12,503
M16	2,0	14,0	14,2	15,1	14,663	14,503
M20	2,5	17,5	17,7	18,9	18,334	18,164
M22	2,5	19,5	19,7	20,9	20,334	20,164
M24	3,0	21,0	21,2	22,7	22,003	21,803
M27	3,0	24,0			25,003	24,803
M30	3,5	26,5			27,674	27,462
M33	3,5	29,5			30,695	30,483
M36	4,0	32,0			33,342	33,118
M39	4,0	35,0			36,342	36,118
M42	4,5	37,5			39,014	38,778
M45	4,5	40,5			42,014	41,778
M48	5,0	43,0			44,681	44,431
M52	5,0	47,0			48,681	48,445
M56	5,5	50,5			51,693	51,393
M60	5,5	54,5			56,353	56,088
M64	6,0	58,0			60,023	59,743
M68	6,0	62,0			64,023	63,743

ISO metric fine pitch thread

DIN 13 and DIN ISO 965-1

MF			Pitch diam. max. 6g	Pitch diam. min. 6g
M2x0,25	1,75		1,820	1,764
M2,5x0,35	2,15		2,254	2,191
M3x0,35	2,65		2,754	2,687
M3,5x0,35	3,15		3,254	3,187
M4x0,5	3,5	3,8	3,655	3,580
M4,5x0,5	4,0		4,155	4,080
M5x0,5	4,5	4,8	4,655	4,580
M6x0,5	5,5	5,8	5,655	5,570
M6x0,75	5,2	5,65	5,491	5,391
M8x0,75	7,2	4,65	7,491	7,391
M8x1	7,0	7,55	7,324	7,212
M10x0,75	9,2	9,65	9,491	9,391
M10x1	9,0	9,55	9,324	9,212
M10x1,25	8,8	9,4	9,160	9,042
M12x1	11,0	11,55	11,324	11,206
M12x1,25	10,8	11,4	11,160	11,028
M12x1,5	10,5	11,3	10,994	10,854
M14x1	13,0	13,5	13,324	13,206
M14x1,25	12,8	13,4	13,160	13,028
M14x1,5	12,5	13,3	12,994	12,854
M16x1	15,0	15,5	15,324	15,206
M16x1,5	14,5	15,3	14,994	14,854
M18x1	17,0	17,55	17,324	17,206
M18x1,5	16,5	17,3	16,994	16,854
M18x2	16,0		16,663	16,503
M20x1	19,0		19,324	19,206
M20x1,5	18,5	19,3	18,994	18,854
M20x2	18,0	19,1	18,663	18,503
M22x1	21,0		21,324	21,206
M22x1,5	20,5	21,3	20,994	20,854
M22x2	20,0		20,663	20,503
M24x1	23,0		23,324	23,199
M24x1,5	22,5		22,994	22,844
M24x2	22,0		22,663	22,493
M27x1,5	28,5		25,994	25,844
M27x2	25,0		25,663	25,493
M28x1,5	26,5		26,994	26,844
M28x2	26,0		26,663	26,493
M30x1,5	28,5		28,994	28,844
M30x2	28,0		28,663	28,493
M32x1,5	30,5		30,994	30,844
M32x2	30,0		30,663	30,493
M36x1,5	34,5		34,994	34,844
M36x2	34,0		34,663	34,493
M36x3	33,0		34,003	33,803
M38x1,5	36,5		36,994	36,844
M40x1,5	38,5		38,994	38,844
M40x2	38,0		38,663	38,493
M40x3	37,0		38,003	37,803
M42x1,5	40,5		40,994	40,844
M42x2	40,0		40,663	40,493
M42x3	39,0		40,003	39,803
M45x1,5	43,5		43,994	43,844
M45x2	43,0		43,663	43,493
M45x3	42,0		43,003	42,803
M48x1,5	46,5		46,994	46,834
M48x2	46,0		46,663	46,483
M48x3	45,0		46,003	45,791
M50x1,5	48,5		48,994	48,834
M50x2	48,0		48,663	48,483
M50x3	47,0		48,003	47,791
M52x1,5	50,5		50,994	50,834
M52x2	50,0		50,663	50,483
M52x3	49,0		50,003	49,791
M56x1,5	54,5		54,994	54,834
M56x2	54,0		54,663	54,483
M56x3	53,0		54,003	53,791
M58x1,5	56,5		56,994	56,834

ISO metric coarse pitch thread

in accordance with DIN 8140

EG M	Pitch (mm)		
EG M2,5	0,45	2,65	
EG M3	0,50	3,15	3,4
EG M3,5	0,60	3,7	
EG M4	0,70	4,2	4,6
EG M5	0,80	5,25	5,65
EG M6	1,0	6,3	6,85
EG M8	1,25	8,4	9,05
EG M10	1,5	10,5	11,3
EG M12	1,75	12,5	13,5
EG M14	2,0	14,5	
EG M16	2,0	16,5	
EG M18	2,5	18,8	
EG M20	2,5	20,8	
EG M22	2,5	22,8	
EG M24	3,0	24,75	

ISO metric fine pitch thread

in accordance with DIN 8140

EG MF		EG MF	
EG M8x1	8,3	EG M14x1,5	14,5
EG M10x1	10,3	EG M16x1,5	16,5
EG M10x1,25	10,4	EG M18x1,5	18,5
EG M12x1,25	12,4	EG M18x2	18,5
EG M12x1,5	12,5	EG M20x1,5	20,5

Pipe thread

in accordance with DIN EN ISO 228

G	Pitch (mm)			OD (mm)	Pitch diam. (mm)
G 1/16-28	0,907	6,8		7,723	7,142
G 1/8-28	0,907	8,8	9,3	9,728	9,147
G 1/4-19	1,337	11,8	12,5	13,157	12,301
G 3/8-19	1,337	15,25	16,0	16,662	15,806
G 1/2-14	1,814	19,0	20,0	20,955	19,793
G 5/8-14	1,814	21,0	22,0	22,911	21,749
G 3/4-14	1,814	24,5	25,5	26,441	25,279
G 7/8-14	1,814	28,0	29,25	30,201	29,039
G 1-11	2,309	30,5	32,0	33,249	31,770
G 1 1/8-11	2,309	35,0		37,897	36,418
G 1 1/4-11	2,309	39,5		41,910	40,431
G 1 3/8-11	2,309	41,5		44,323	42,844
G 1 1/2-11	2,309	45,0		47,803	46,324
G 1 3/4-11	2,309	51,0		53,746	52,267
G 2-11	2,309	57,0		59,614	58,135
G 2 1/4-11	2,309	63,0		65,710	64,231
G 2 1/2-11	2,309	72,6		75,184	73,705
G 3-11	2,309	85,0		87,884	86,405

Whitworth thread

in accordance with BS 84

BSW	Pitch (mm)			OD (mm)	Pitch diam. (mm)
3/32-48	0,529	1,2	2,1	2,381	2,041
1/8-40	0,635	2,5	2,85	3,175	2,768
5/32-32	0,793	3,1	3,55	3,969	3,459
3/16-24	1,058	3,6	4,2	4,762	4,084
7/32-24	1,058	4,5		5,556	4,878
1/4-20	1,270	5,0	5,7	6,350	5,537
5/16-18	1,411	6,5	7,2	7,938	7,034
3/8-16	1,588	7,9	8,7	9,525	8,509
7/16-14	1,814	9,2	10,2	11,113	9,951
1/2-12	2,117	10,5	11,6	12,700	11,345
9/16-12	2,117	12,0	13,2	14,290	12,930
5/8-11	2,309	13,4	14,7	15,876	14,397
3/4-10	2,540	16,4	17,7	19,051	17,424
7/8-9	2,822	19,25	20,75	22,226	20,419
1-8	3,175	22,0	23,75	25,401	23,368
1 1/8-7	3,629	24,75		28,576	26,253
1 1/4-7	3,629	27,5		31,751	29,428

American thread Coarse pitch thread

in accordance with ASME B1.1

UNC	Pitch (mm)			OD (mm)	Pitch diameter (mm)
1/4-20 UNC	1,270	5,1	5,8	6,350	5,524
5/16-18 UNC	1,411	6,6	7,3	7,938	7,021
3/8-16 UNC	1,588	8,0	8,8	9,525	8,494
7/16-14 UNC	1,814	9,4	10,3	11,112	9,934
1/2-13 UNC	1,954	10,8	11,8	12,700	11,430
9/16-12 UNC	2,117	12,2	13,3	14,288	12,913
5/8-11 UNC	2,309	13,5	14,8	15,875	14,376
3/4-10 UNC	2,540	16,5	17,9	19,050	17,399
7/8-9 UNC	2,822	19,5		22,225	20,391
1-8 UNC	3,175	22,3		25,400	23,338
1 1/8-7 UNC	3,629	25,0		28,575	26,218
1 1/4-7 UNC	3,629	28,0		31,750	29,393
1 3/8-6 UNC	4,234	30,8		34,925	32,174
1 1/2-6 UNC	4,234	34,0		38,100	35,349
1 3/4-5 UNC	5,080	39,5		44,450	41,151
2-4,5 UNC	5,645	45,0		50,800	47,135

American thread Fine pitch thread

in accordance with ASME B1.1

UNF	Pitch (mm)			OD (mm)	Pitch diameter (mm)
1/4-28 UNF	0,907	5,5	5,9	6,350	5,761
5/16-24 UNF	1,058	6,9	7,5	7,938	7,249
3/8-24 UNF	1,058	8,5	9,0	9,525	8,837
7/16-20 UNF	1,270	9,9	10,5	11,112	10,287
1/2-20 UNF	1,270	11,5	12,1	12,700	11,874
9/16-18 UNF	1,411	12,9	13,7	14,288	13,371
5/8-18 UNF	1,411	14,5	15,3	15,875	14,958
3/4-16 UNF	1,588	17,5	18,4	19,050	18,019
7/8-14 UNF	1,814	20,4	21,4	22,225	21,046
1-12 UNF	2,117	23,3	24,45	25,400	24,026
1 1/8-12 UNF	2,117	26,5		28,575	27,201
1 1/4-12 UNF	2,117	29,5		31,750	30,376
1 3/8-12 UNF	2,117	32,8		34,925	33,551
1 1/2-12 UNF	2,117	36,0		38,100	36,726