

JIS

JAPANESE INDUSTRIAL STANDARD

Metric Fine Screw Threads

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JAPANESE INDUSTRIAL STANDARD

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Metric Fine Screw Threads

B 0207-1982
(Reaffirmed: 1992)1. Scope

This Japanese Industrial Standard specifies the combination of diameter and pitch of general purpose metric fine screw threads, basic selection of fine screw threads for machine screws, bolts and nuts, basic profile, formulae and basic dimensions.

Remark: The combination of diameter and pitch, basic selection of fine screw threads for machine screws, bolts and nuts, basic profile and basic dimensions specified in the body of this standard coincide with the following ISO standards:

Combination of diameter and pitch:

Fine screw threads specified in ISO 261 (ISO general purpose metric screw threads-General plan)

Basic selection of fine screw threads:

ISO 262 (ISO general purpose metric screw threads-Selected sizes for screws, bolts and nuts)

Basic profile:

ISO 68 (ISO general purpose metric screw threads-Basic profile)

Basic dimensions:

Basic dimensions of fine screw threads specified in ISO 724 (ISO metric screw threads-Basic dimensions)

Applicable Standard:

JIS B 0123-Designation of Screw Threads

Reference Standards:

ISO 68-1973 ISO general purpose metric screw threads-Basic profile

ISO 261-1973 ISO general purpose metric screw threads-General plan

ISO 262-1973 ISO general purpose metric screw threads-Selected sizes for screws, bolts and nuts

ISO 724-1978 ISO metric screw threads-Basic dimensions

2. Combination of Diameter and Pitch

The combination of diameter and pitch of metric fine screw threads shall be in accordance with Table 1.

Table 1. Combination of Diameter and
Pitch of Metric Fine Screw Threads

Unit: mm

Designation of diameter (1)			Pitch											
Col. 1	Col. 2	Col. 3	6	4	3	2	1.5	1.25	1	0.75	0.5	0.35	0.25	0.2
1	1.1													0.2
1.2														0.2
	1.4													0.2
1.6	1.8													0.2
														0.2
2	2.2												0.25	
2.5												0.35	0.25	
3	3.5											0.35		
4												0.35		
											0.5			
5	4.5										0.5			
		5.5									0.5			
6										0.75				
8	7								1	0.75				
									1	0.75				
10	9							1.25	1	0.75				
	11								1	0.75				
									1	0.75				
12	14						1.5	1.25	1					
		15					1.5	1.25(2)	1					
							1.5		1					
16	18	17				2	1.5		1					
							1.5		1					
							1.5		1					
20	22					2	1.5		1					
24						2	1.5		1					
						2	1.5		1					
	25						1.5							
	26						1.5							
	27					2	1.5		1					
							1.5							
							1.5							
30	28				(3)	2	1.5		1					
						2	1.5		1					
	32					2	1.5							

Table 1 (Continued)

Table 1 (Continued)

Unit: mm

Designation of diameter ⁽¹⁾			Pitch											
Col. 1	Col. 2	Col. 3	6	4	3	2	1.5	1.25	1	0.75	0.5	0.35	0.25	0.2
	260	255 265	6 6 6	4 4 4										
		270 275	6 6 6	4 4 4										
280		285 290 295	6 6 6	4 4 4										
	300		6	4										

Notes ⁽¹⁾ Choose, for preference, Column 1 and, if necessary, Column 2 and then Column 3.

⁽²⁾ The screw threads having designation of diameter of 14 mm and pitch of 1.25 mm may be used exclusively for sparking plug for internal combustion engine.

⁽³⁾ The screw threads having designation of diameter of 35 mm may be used exclusively for locking screw threads for rolling bearing.

Remarks 1. Pitches shown in parentheses are to be avoided, as far as possible.

2. In the case where the screw threads having finer pitch than that as shown in Table 1 are required, select the pitch from the following pitches. Provided that it is desirable that the maximum designation of diameter to be used for these pitches is in accordance with Table 2.

3 2 1.5 1 0.75 0.5 0.35 0.25 0.2

Table 2. Maximum Designation of Diameter to Be Used for Fine Pitch Screw Threads

Unit: mm

Pitch	0.5	0.75	1	1.5	2	3
Maximum designation of diameter	22	33	80	150	200	300

3. In the case where the pitch larger than 6 mm in the range of 150 to 300 mm in designation of diameter is required, choose 8 mm.

3. Designation

The designation of screw thread according to this standard shall be in accordance with the specifications of JIS B 0123.

Example: M 6 × 0.75

4. Basic Selection of Fine Screw Threads for Machine Screws, Bolts and Nuts

The selection of fine screw threads for machine screws, bolts and nuts in the range of 8 to 39 mm in designation diameter shall, as a rule, be in accordance with Table 3.

Table 3. Basic Selection of Fine Screw Threads
for Machine Screws, Bolts and Nuts

Unit: mm

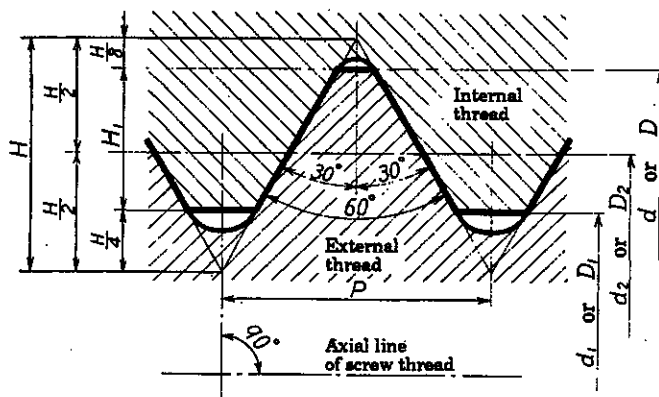
Designation of diameter (4)		Pitch
Col. 1	Col. 2	
8		1
10		1.25
12		1.25
	14	1.5
16	18	1.5
		1.5
20	22	1.5
24		1.5
		2
	27	2
30	33	2
		2
36	39	3
		3

Note (4) Choose, for preference, Column 1 and, if necessary, Column 2.
These Column 1 and Column 2 coincide with basic selection specified in ISO 262.

5. Basic Profile, Formulae and Basic Dimensions

5.1 Basic Profile The basic profile is shown with bold continuous line in Figure.

Figure. Basic Profile of Metric Fine Screw Thread



5.2 Formulae The formulae to be used for calculation of basic dimensions shall be as follows:

$$\begin{aligned} H &= 0.866025P & d_2 &= d - 0.649519P & D &= d \\ H_1 &= 0.541266P & d_1 &= d - 1.082532P & D_2 &= d_2 \\ & & & & D_1 &= d_1 \end{aligned}$$

5.3 Basic Dimensions The basic dimensions shall be in accordance with Table 4.

Table 4. Basic Dimensions of Metric Fine Screw Threads

Unit: mm

Designation of screw thread	Pitch P	Height of engagement H_1	Internal thread		
			Major diameter D	Pitch diameter D_2	Minor diameter D_1
			External thread		
			Major diameter d	Pitch diameter d_2	Minor diameter d_1
M 1 × 0.2	0.2	0.108	1.000	0.870	0.783
M 1.1 × 0.2	0.2	0.108	1.100	0.970	0.883
M 1.2 × 0.2	0.2	0.108	1.200	1.070	0.983
M 1.4 × 0.2	0.2	0.108	1.400	1.270	1.183
M 1.6 × 0.2	0.2	0.108	1.600	1.470	1.383
M 1.8 × 0.2	0.2	0.108	1.800	1.670	1.583
M 2 × 0.25	0.25	0.135	2.000	1.838	1.729
M 2.2 × 0.25	0.25	0.135	2.200	2.038	1.929
M 2.5 × 0.35	0.35	0.189	2.500	2.273	2.121
M 3 × 0.35	0.35	0.189	3.000	2.773	2.621
M 3.5 × 0.35	0.35	0.189	3.500	3.273	3.121
M 4 × 0.5	0.5	0.271	4.000	3.675	3.459
M 4.5 × 0.5	0.5	0.271	4.500	4.175	3.959
M 5 × 0.5	0.5	0.271	5.000	4.675	4.459
M 5.5 × 0.5	0.5	0.271	5.500	5.175	4.959
M 6 × 0.75	0.75	0.406	6.000	5.513	5.188
M 7 × 0.75	0.75	0.406	7.000	6.513	6.188
M 8 × 1	1	0.541	8.000	7.350	6.917
M 8 × 0.75	0.75	0.406	8.000	7.513	7.188
M 9 × 1	1	0.541	9.000	8.350	7.917
M 9 × 0.75	0.75	0.406	9.000	8.513	8.188

Table 4 (Continued)

Unit: mm

Designation of screw thread	Pitch P	Height of engagement H_1	Internal thread		
			Major diameter D	Pitch diameter D_2	Minor diameter D_1
			External thread		
			Major diameter d	Pitch diameter d_2	Minor diameter d_1
M 10 × 1.25	1.25	0.677	10.000	9.188	8.647
M 10 × 1	1	0.541	10.000	9.350	8.917
M 10 × 0.75	0.75	0.406	10.000	9.513	9.188
M 11 × 1	1	0.541	11.000	10.350	9.917
M 11 × 0.75	0.75	0.406	11.000	10.513	10.188
M 12 × 1.5	1.5	0.812	12.000	11.026	10.376
M 12 × 1.25	1.25	0.677	12.000	11.188	10.647
M 12 × 1	1	0.541	12.000	11.350	10.917
M 14 × 1.5	1.5	0.812	14.000	13.026	12.376
M 14 × 1.25	1.25	0.677	14.000	13.188	12.647
M 14 × 1	1	0.541	14.000	13.350	12.917
M 15 × 1.5	1.5	0.812	15.000	14.026	13.376
M 15 × 1	1	0.541	15.000	14.350	13.917
M 16 × 1.5	1.5	0.812	16.000	15.026	14.376
M 16 × 1	1	0.541	16.000	15.350	14.917
M 17 × 1.5	1.5	0.812	17.000	16.026	15.376
M 17 × 1	1	0.541	17.000	16.350	15.917
M 18 × 2	2	1.083	18.000	16.701	15.835
M 18 × 1.5	1.5	0.812	18.000	17.026	16.376
M 18 × 1	1	0.541	18.000	17.350	16.917
M 20 × 2	2	1.083	20.000	18.701	17.835
M 20 × 1.5	1.5	0.812	20.000	19.026	18.376
M 20 × 1	1	0.541	20.000	19.350	18.917
M 22 × 2	2	1.083	22.000	20.701	19.835
M 22 × 1.5	1.5	0.812	22.000	21.026	20.376
M 22 × 1	1	0.541	22.000	21.350	20.917
M 24 × 2	2	1.083	24.000	22.701	21.835
M 24 × 1.5	1.5	0.812	24.000	23.026	22.376
M 24 × 1	1	0.541	24.000	23.350	22.917
M 25 × 2	2	1.083	25.000	23.701	22.835
M 25 × 1.5	1.5	0.812	25.000	24.026	23.376
M 25 × 1	1	0.541	25.000	24.350	23.917
M 26 × 1.5	1.5	0.812	26.000	25.026	24.376
M 27 × 2	2	1.083	27.000	25.701	24.835
M 27 × 1.5	1.5	0.812	27.000	26.026	25.376
M 27 × 1	1	0.541	27.000	26.350	25.917
M 28 × 2	2	1.083	28.000	26.701	25.835
M 28 × 1.5	1.5	0.812	28.000	27.026	26.376
M 28 × 1	1	0.541	28.000	27.350	26.917
M 30 × 3	3	1.624	30.000	28.051	26.752
M 30 × 2	2	1.083	30.000	28.701	27.835
M 30 × 1.5	1.5	0.812	30.000	29.026	28.376
M 30 × 1	1	0.541	30.000	29.350	28.917
M 32 × 2	2	1.083	32.000	30.701	29.835
M 32 × 1.5	1.5	0.812	32.000	31.026	30.376
M 33 × 3	3	1.624	33.000	31.051	29.752
M 33 × 2	2	1.083	33.000	31.701	30.835
M 33 × 1.5	1.5	0.812	33.000	32.026	31.376
M 35 × 1.5	1.5	0.812	35.000	34.026	33.376
M 36 × 3	3	1.624	36.000	34.051	32.752
M 36 × 2	2	1.083	36.000	34.701	33.835
M 36 × 1.5	1.5	0.812	36.000	35.026	34.376
M 38 × 1.5	1.5	0.812	38.000	37.026	36.376

Table 4 (Continued)

Unit: mm

Designation of screw thread	Pitch P	Height of engagement H_1	Internal thread		
			Major diameter D	Pitch diameter D_2	Minor diameter D_1
			External thread		
			Major diameter d	Pitch diameter d_2	Minor diameter d_1
M 39 × 3	3	1.624	39.000	37.051	35.752
M 39 × 2	2	1.083	39.000	37.701	36.835
M 39 × 1.5	1.5	0.812	39.000	38.026	37.376
M 40 × 3	3	1.624	40.000	38.051	36.752
M 40 × 2	2	1.083	40.000	38.701	37.835
M 40 × 1.5	1.5	0.812	40.000	39.026	38.376
M 42 × 4	4	2.165	42.000	39.402	37.670
M 42 × 3	3	1.624	42.000	40.051	38.752
M 42 × 2	2	1.083	42.000	40.701	39.835
M 42 × 1.5	1.5	0.812	42.000	41.026	40.376
M 45 × 4	4	2.165	45.000	42.402	40.670
M 45 × 3	3	1.624	45.000	43.051	41.752
M 45 × 2	2	1.083	45.000	43.701	42.835
M 45 × 1.5	1.5	0.812	45.000	44.026	43.376
M 48 × 4	4	2.165	48.000	45.402	43.670
M 48 × 3	3	1.624	48.000	46.051	44.752
M 48 × 2	2	1.083	48.000	46.701	45.835
M 48 × 1.5	1.5	0.812	48.000	47.026	46.376
M 50 × 3	3	1.624	50.000	48.051	46.752
M 50 × 2	2	1.083	50.000	48.701	47.835
M 50 × 1.5	1.5	0.812	50.000	49.026	48.376
M 52 × 4	4	2.165	52.000	49.402	47.670
M 52 × 3	3	1.624	52.000	50.051	48.752
M 52 × 2	2	1.083	52.000	50.701	49.835
M 52 × 1.5	1.5	0.812	52.000	51.026	50.376
M 55 × 4	4	2.165	55.000	52.402	50.670
M 55 × 3	3	1.624	55.000	53.051	51.752
M 55 × 2	2	1.083	55.000	53.701	52.835
M 55 × 1.5	1.5	0.812	55.000	54.026	53.376
M 56 × 4	4	2.165	56.000	53.402	51.670
M 56 × 3	3	1.624	56.000	54.051	52.752
M 56 × 2	2	1.083	56.000	54.701	53.835
M 56 × 1.5	1.5	0.812	56.000	55.026	54.376
M 58 × 4	4	2.165	58.000	55.402	53.670
M 58 × 3	3	1.624	58.000	56.051	54.752
M 58 × 2	2	1.083	58.000	56.701	55.835
M 58 × 1.5	1.5	0.812	58.000	57.026	56.376
M 60 × 4	4	2.165	60.000	57.402	55.670
M 60 × 3	3	1.624	60.000	58.051	56.752
M 60 × 2	2	1.083	60.000	58.701	57.835
M 60 × 1.5	1.5	0.812	60.000	59.026	58.376
M 62 × 4	4	2.165	62.000	59.402	57.670
M 62 × 3	3	1.624	62.000	60.051	58.752
M 62 × 2	2	1.083	62.000	60.701	59.835
M 62 × 1.5	1.5	0.812	62.000	61.026	60.376
M 64 × 4	4	2.165	64.000	61.402	59.670
M 64 × 3	3	1.624	64.000	62.051	60.752
M 64 × 2	2	1.083	64.000	62.701	61.835
M 64 × 1.5	1.5	0.812	64.000	63.026	62.376
M 65 × 4	4	2.165	65.000	62.402	60.670
M 65 × 3	3	1.624	65.000	63.051	61.752
M 65 × 2	2	1.083	65.000	63.701	62.835
M 65 × 1.5	1.5	0.812	65.000	64.026	63.376
M 68 × 4	4	2.165	68.000	65.402	63.670
M 68 × 3	3	1.624	68.000	66.051	64.752
M 68 × 2	2	1.083	68.000	66.701	65.835
M 68 × 1.5	1.5	0.812	68.000	67.026	66.376
M 70 × 6	6	3.248	70.000	66.103	63.505
M 70 × 4	4	2.165	70.000	67.402	65.670
M 70 × 3	3	1.624	70.000	68.051	66.752
M 70 × 2	2	1.083	70.000	68.701	67.835
M 70 × 1.5	1.5	0.812	70.000	69.026	68.376

Table 4 (Continued)

Unit: mm

Designation of screw thread	Pitch P	Height of engagement H_1	Internal thread		
			Major diameter D	Pitch diameter D_2	Minor diameter D_1
			External thread		
			Major diameter d	Pitch diameter d_2	Minor diameter d_1
M 72 × 6	6	3.248	72.000	68.103	65.505
M 72 × 4	4	2.165	72.000	69.402	67.670
M 72 × 3	3	1.624	72.000	70.051	68.752
M 72 × 2	2	1.083	72.000	70.701	69.835
M 72 × 1.5	1.5	0.812	72.000	71.026	70.376
M 75 × 4	4	2.165	75.000	72.402	70.670
M 75 × 3	3	1.624	75.000	73.051	71.752
M 75 × 2	2	1.083	75.000	73.701	72.835
M 75 × 1.5	1.5	0.812	75.000	74.026	73.376
M 76 × 6	6	3.248	76.000	72.103	69.505
M 76 × 4	4	2.165	76.000	73.402	71.670
M 76 × 3	3	1.624	76.000	74.051	72.752
M 76 × 2	2	1.083	76.000	74.701	73.835
M 76 × 1.5	1.5	0.812	76.000	75.026	74.376
M 78 × 2	2	1.083	78.000	76.701	75.835
M 80 × 6	6	3.248	80.000	76.103	73.505
M 80 × 4	4	2.165	80.000	77.402	75.670
M 80 × 3	3	1.624	80.000	78.051	76.752
M 80 × 2	2	1.083	80.000	78.701	77.835
M 80 × 1.5	1.5	0.812	80.000	79.026	78.376
M 82 × 2	2	1.083	82.000	80.701	79.835
M 85 × 6	6	3.248	85.000	81.103	78.505
M 85 × 4	4	2.165	85.000	82.402	80.670
M 85 × 3	3	1.624	85.000	83.051	81.752
M 85 × 2	2	1.083	85.000	83.701	82.835
M 90 × 6	6	3.248	90.000	86.103	83.505
M 90 × 4	4	2.165	90.000	87.402	85.670
M 90 × 3	3	1.624	90.000	88.051	86.752
M 90 × 2	2	1.083	90.000	88.701	87.835
M 95 × 6	6	3.248	95.000	91.103	88.505
M 95 × 4	4	2.165	95.000	92.402	90.670
M 95 × 3	3	1.624	95.000	93.051	91.752
M 95 × 2	2	1.083	95.000	93.701	92.835
M 100 × 6	6	3.248	100.000	96.103	93.505
M 100 × 4	4	2.165	100.000	97.402	95.670
M 100 × 3	3	1.624	100.000	98.051	96.752
M 100 × 2	2	1.083	100.000	98.701	97.835
M 105 × 6	6	3.248	105.000	101.103	98.505
M 105 × 4	4	2.165	105.000	102.402	100.670
M 105 × 3	3	1.624	105.000	103.051	101.752
M 105 × 2	2	1.083	105.000	103.701	102.835
M 110 × 6	6	3.248	110.000	106.103	103.505
M 110 × 4	4	2.165	110.000	107.402	105.670
M 110 × 3	3	1.624	110.000	108.051	106.752
M 110 × 2	2	1.083	110.000	108.701	107.835
M 115 × 6	6	3.248	115.000	111.103	108.505
M 115 × 4	4	2.165	115.000	112.402	110.670
M 115 × 3	3	1.624	115.000	113.051	111.752
M 115 × 2	2	1.083	115.000	113.701	112.835
M 120 × 6	6	3.248	120.000	116.103	113.505
M 120 × 4	4	2.165	120.000	117.402	115.670
M 120 × 3	3	1.624	120.000	118.051	116.752
M 120 × 2	2	1.083	120.000	118.701	117.835
M 125 × 6	6	3.248	125.000	121.103	118.505
M 125 × 4	4	2.165	125.000	122.402	120.670
M 125 × 3	3	1.624	125.000	123.051	121.752
M 125 × 2	2	1.083	125.000	123.701	122.835
M 130 × 6	6	3.248	130.000	126.103	123.505
M 130 × 4	4	2.165	130.000	127.402	125.670
M 130 × 3	3	1.624	130.000	128.051	126.752
M 130 × 2	2	1.083	130.000	128.701	127.835

Table 4 (Continued)

Unit: mm

Designation of screw thread	Pitch P	Height of engagement H_1	Internal thread		
			Major diameter D	Pitch diameter D_2	Minor diameter D_1
			External thread		
			Major diameter d	Pitch diameter d_2	Minor diameter d_1
M 135 × 6	6	3.248	135.000	131.103	128.505
M 135 × 4	4	2.165	135.000	132.402	130.670
M 135 × 3	3	1.624	135.000	133.051	131.752
M 135 × 2	2	1.083	135.000	133.701	132.835
M 140 × 6	6	3.248	140.000	136.103	133.505
M 140 × 4	4	2.165	140.000	137.402	135.670
M 140 × 3	3	1.624	140.000	138.051	136.752
M 140 × 2	2	1.083	140.000	138.701	137.835
M 145 × 6	6	3.248	145.000	141.103	138.505
M 145 × 4	4	2.165	145.000	142.402	140.670
M 145 × 3	3	1.624	145.000	143.051	141.752
M 145 × 2	2	1.083	145.000	143.701	142.835
M 150 × 6	6	3.248	150.000	146.103	143.505
M 150 × 4	4	2.165	150.000	147.402	145.670
M 150 × 3	3	1.624	150.000	148.051	146.752
M 150 × 2	2	1.083	150.000	148.701	147.835
M 155 × 6	6	3.248	155.000	151.103	148.505
M 155 × 4	4	2.165	155.000	152.402	150.670
M 155 × 3	3	1.624	155.000	153.051	151.752
M 160 × 6	6	3.248	160.000	156.103	153.505
M 160 × 4	4	2.165	160.000	157.402	155.670
M 160 × 3	3	1.624	160.000	158.051	156.752
M 165 × 6	6	3.248	165.000	161.103	158.505
M 165 × 4	4	2.165	165.000	162.402	160.670
M 165 × 3	3	1.624	165.000	163.051	161.752
M 170 × 6	6	3.248	170.000	166.103	163.505
M 170 × 4	4	2.165	170.000	167.402	165.670
M 170 × 3	3	1.624	170.000	168.051	166.752
M 175 × 6	6	3.248	175.000	171.103	168.505
M 175 × 4	4	2.165	175.000	172.402	170.670
M 175 × 3	3	1.624	175.000	173.051	171.752
M 180 × 6	6	3.248	180.000	176.103	173.505
M 180 × 4	4	2.165	180.000	177.402	175.670
M 180 × 3	3	1.624	180.000	178.051	176.752
M 185 × 6	6	3.248	185.000	181.103	178.505
M 185 × 4	4	2.165	185.000	182.402	180.670
M 185 × 3	3	1.624	185.000	183.051	181.752
M 190 × 6	6	3.248	190.000	186.103	183.505
M 190 × 4	4	2.165	190.000	187.402	185.670
M 190 × 3	3	1.624	190.000	188.051	186.752
M 195 × 6	6	3.248	195.000	191.103	188.505
M 195 × 4	4	2.165	195.000	192.402	190.670
M 195 × 3	3	1.624	195.000	193.051	191.752
M 200 × 6	6	3.248	200.000	196.103	193.505
M 200 × 4	4	2.165	200.000	197.402	195.670
M 200 × 3	3	1.624	200.000	198.051	196.752
M 205 × 6	6	3.248	205.000	201.103	198.505
M 205 × 4	4	2.165	205.000	202.402	200.670
M 205 × 3	3	1.624	205.000	203.051	201.752
M 210 × 6	6	3.248	210.000	206.103	203.505
M 210 × 4	4	2.165	210.000	207.402	205.670
M 210 × 3	3	1.624	210.000	208.051	206.752
M 215 × 6	6	3.248	215.000	211.103	208.505
M 215 × 4	4	2.165	215.000	212.402	210.670
M 215 × 3	3	1.624	215.000	213.051	211.752

Table 4 (Continued)

Unit: mm

Designation of screw thread	Pitch P	Height of engagement H_1	Internal thread		
			Major diameter D	Pitch diameter D_2	Minor diameter D_1
			External thread		
			Major diameter d	Pitch diameter d_2	Minor diameter d_1
M 220 × 6	6	3.248	220.000	216.103	213.505
M 220 × 4	4	2.165	220.000	217.402	215.670
M 220 × 3	3	1.624	220.000	218.051	216.752
M 225 × 6	6	3.248	225.000	221.103	218.505
M 225 × 4	4	2.165	225.000	222.402	220.670
M 225 × 3	3	1.624	225.000	223.051	221.752
M 230 × 6	6	3.248	230.000	226.103	223.505
M 230 × 4	4	2.165	230.000	227.402	225.670
M 230 × 3	3	1.624	230.000	228.051	226.752
M 235 × 6	6	3.248	235.000	231.103	228.505
M 235 × 4	4	2.165	235.000	232.402	230.670
M 235 × 3	3	1.624	235.000	233.051	231.752
M 240 × 6	6	3.248	240.000	236.103	233.505
M 240 × 4	4	2.165	240.000	237.402	235.670
M 240 × 3	3	1.624	240.000	238.051	236.752
M 245 × 6	6	3.248	245.000	241.103	238.505
M 245 × 4	4	2.165	245.000	242.402	240.670
M 245 × 3	3	1.624	245.000	243.051	241.752
M 250 × 6	6	3.248	250.000	246.103	243.505
M 250 × 4	4	2.165	250.000	247.402	245.670
M 250 × 3	3	1.624	250.000	248.051	246.752
M 255 × 6	6	3.248	255.000	251.103	248.505
M 255 × 4	4	2.165	255.000	252.402	250.670
M 260 × 6	6	3.248	260.000	256.103	253.505
M 260 × 4	4	2.165	260.000	257.402	255.670
M 265 × 6	6	3.248	265.000	261.103	258.505
M 265 × 4	4	2.165	265.000	262.402	260.670
M 270 × 6	6	3.248	270.000	266.103	263.505
M 270 × 4	4	2.165	270.000	267.402	265.670
M 275 × 6	6	3.248	275.000	271.103	268.505
M 275 × 4	4	2.165	275.000	272.402	270.670
M 280 × 6	6	3.248	280.000	276.103	273.505
M 280 × 4	4	2.165	280.000	277.402	275.670
M 285 × 6	6	3.248	285.000	281.103	278.505
M 285 × 4	4	2.165	285.000	282.402	280.670
M 290 × 6	6	3.248	290.000	286.103	283.505
M 290 × 4	4	2.165	290.000	287.402	285.670
M 295 × 6	6	3.248	295.000	291.103	288.505
M 295 × 4	4	2.165	295.000	292.402	290.670
M 300 × 6	6	3.248	300.000	296.103	293.505
M 300 × 4	4	2.165	300.000	297.402	295.670

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