

JIS

JAPANESE INDUSTRIAL STANDARD

Metric Fine Screw Threads

JIS B 0207 —1982

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Metric Fine Screw Threads

B 0207-1982

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
2	2.2												0.25	
2.5												0.35	0.25	
3	3.5											0.35		
4											0.5	0.35		
5	4.5										0.5			
		5.5									0.5			
6	7									0.75				
8									1	0.75				
	9								1	0.75				
10	11							1.25	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					1.5		1					
						2	1.5		1					
20	22					2	1.5		1					
24						2	1.5		1					
	25					2	1.5		1					
	26					2	1.5		1					
	27					2	1.5		1					
30	28					2	1.5		1					
	32				(3)	2	1.5		1					
						2	1.5							