

ISO Metric Thread Gauges



ISO Metric Gauges are most commonly used Gauges in the Industry.

Specification :

ISO standard : Basic Dimensions : ISO 965 Part 1,2,3 - 1998, Gauging Practice: ISO 1502-1996.

Indian standard : Basic Dimensions: IS 14962 Part 1,2,3 - 2001, Gauging Practice: IS 2334 - 2001.

ANSI standard : Basic Dimensions: ANSI / ASME B 1.13 M, Gauging Practice: ANSI / ASME B 1.16 1984.

DIN standard : Basic Dimensions & Gauging Practice: DIN 13 - 1999.

BS standard : Basic Dimensions: B.S. 3643 Part I & II - 2007, Gauging Practice: B.S 919 Part III - 2007.

JIS standard : Basic Dimensions: JIS B 0209, Gauging Practice: JIS B 0251-2008.

Manufacturing Range :

Diameter 1.6 mm to 300mm & Pitches covered are 0.35mm to 8 mm.

We also offer Special gauges as per the customers drawings & requirements.

Gauge Type	Diameter Range	Pitches in mm	Tolerance Class
Thread Plug Gauges.	1.6mm - 300 mm	0.35 to 6mm Pitches above 6mm up to 8mm can be supplied based on customer request.	6H or any other class as per customer requirement
Thread Ring Gauges.	2mm - 260mm	0.4 to 6mm Pitches above 6mm up to 8mm can be supplied based on customer request.	6g or any other class as per customer requirement
Check Plug Gauges	To check NEW Go & Nogo Thread Ring Gauges as per above sizes		
Wear Check Plug Gauges	To check / calibrate USED Go & Nogo Thread Ring Gauges as per above sizes		
Check Ring Gauges	To check NEW Go & Nogo Thread Plug Gauges as per above sizes		
Wear Check Ring Gauges	To check / calibrate USED Go & Nogo Thread Plug Gauges as per above sizes		

Recommended Tolerance classes for Internal Threads (Plug Gauges)

	Tolerance position 'G'			Tolerance position 'H'			
	S	N	L	S	N	L	
		-	-	-	4H	5H	6H
	Fine	(5G)	6G	(7G)	5H	6H	7H
	Medium Coarse	-	(7G)	(8G)	-	7H	8H

*S - Short length of Thread engagement

N - Normal length of Thread engagement

L- Long length of Thread engagement

Recommended Tolerance classes for External Threads (Ring Gauges)

	Tolerance position 'e'			Tolerance position 'f'			Tolerance position 'g'			Tolerance position 'h'		
	S	N	L	S	N	L	S	N	L	S	N	L
	-		-	-	-	-	-	(4g)	(5g4g)	(3h4h)	4h	(5h4h)
Fine	-	6e	(7e6e)	-	6f	-	(5g6g)	6g	(7g6g)	(5h6h)	6h	(7h6h)
Medium Coarse	-	(8e)	(9e8e)	-	-	-	-	8g	(9g8g)	-		