

# ACME Thread Gauges

ACME Threads are used for translation motion in machine tools like lead screws, where rapid movement is required or in screw jacks, where load to be shared is more.

Specification:

American Specifications: ANSI / ASME B1.5 : 1997

Manufacturing Range :

Thread Plugs , Thread Rings, Check Plugs & Wear Check Plugs of Diameter from 1/4" to 12" and TPI from 3 to 16



Gauge Type	Diameter Range (Inch)	TPI	Tolerance Class
Thread Plug Gauges.	1/4 - 5 Above 5 up to 12 Diameter can be supplied based on customer request.	16, 14, 12, 10, 8, 6, 5, 4, 3 TPI not covered here can be supplied based on customer request.	2G, 3G & 4G 2C, 3C & 4C
Thread Ring Gauges.	1/4 - 5 Above 5 up to 10.2 Diameter can be supplied based on customer request.	16, 14, 12, 10, 8, 6, 5, 4, 3 TPI not covered here can be supplied based on customer request.	2G, 3G & 4G 2C, 3C & 4C
Check Plug Gauges	To check NEW Go & Nogo Ring Gauges as given above.		
Wear Check Plug Gauges	To check / calibrate USED Go & Nogo Ring Gauges as given above.		

## Tolerance Class

'G' is the most commonly used Tolerance Class. Many times class 'C' is also used as per designer's requirement. '3G' class is used for general purpose assemblies while classes above 3 are progressively closer tolerance classes like 4G, 5G etc. and are suitable for loose fit. Example - '2G' class.