

Thread Gages



Work Thread Plugs, Thread Rings, and Thread Set Plugs are manufactured to inspect the Pitch Diameter and the Functional Thread. Thread gages are used to ensure the assembly of mating parts. **Unified Inch** stock thread gages are manufactured per **ASME B1.2. M Series Metric** thread gages are manufactured per **ASME B1.16M**. Stock thread gages are made to a Class X tolerance. Gages may be purchased individually or as assemblies. Plug gage assemblies are marked with the thread size & pitch diameters. Acme, Buttress, & other Custom Gages also available.

Pipe Thread Gages

Pipe Thread gages are used to inspect Tapered or Straight Pipe Threads. Perfect for the inspection of internal & external pipe fittings. Vermont Gage stocks gages to inspect the following pipe threads, NPT, NPSM, NPTF (Dryseal), & NPSF. Plug gages may be purchased as Assemblies or as individuals. Custom Pipe threads are quoted upon request. Certificate of Accuracy included. Certificate of Calibration may be purchased.



Main Manufacturing Facility

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Threads Manufacturing Facility

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Prices subject to change
without notice

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ISO 9001:2000 Certified

PRODUCT CATALOG



Class ZZ Pin Gages

Black Guard Gages



Black Guard™ black oxide treatment typically penetrates .000040" - .000060" deep, which will visually reveal wear patterns allowing the inspector to calibrate or replace gage pins more effectively.

Black Guard™ treatment will help prevent rust and corrosion which will extend the useful life of the gage.

- **Prevents Rust & Corrosion**
- **Visible Wear Indication**
- **Bright Clear Marking**
- **Longer Gage life**

Steel Gages

- **Class ZZ (.0002" or .005mm)**
- **Go (Plus) or NoGo (Minus)**
- **Available in Steel or Black Guard™**
- **NIST Traceable**
- **.0005" or .01mm Pin Sizes**
- **.001" or .02mm Set Increments**
- **Tool Steel 60/62 Rc**
- **Round w/in .0001", .0025mm**
- **Marked w/size & direction of tolerance on gages over .060"**.
- **Certificate of Accuracy included**



Class X Plug Gages

Standard Class X Go Plug Gages are used as masters to calibrate measuring equipment or to gage parts directly. Either way, these gages are accurate, cost effective measurement standards for both the shop floor and the Metrology laboratory. Certificate of Accuracy included. **ISO 17025 Certificate of Calibration** may be purchased.

- **Range: .004" – 1.000"**
- **Increments: .0001"**
- **Tolerance: +.000040" (up to .8250")
+.000060" (.8251" – 1.0000")**
- **Material: Tool Steel 60/62 Rc**
- **2" Long**
- **2 Microinch finish or better**
- **Round w/in .000020"**



Custom Plug Gages

Custom Plain Plug Gages are made to your diameter specifications in both Inch & Metric Sizes. Plug gages available in Reversible, Taper Lock, & Trilock designs. Tolerance Classes include XX, X, Y, Z, or ZZ. Available gage materials Steel, Chrome, or Carbide.

Gages may be purchased individually or as Go/ NoGo Assemblies. The assemblies are marked with the sizes, tolerance, & Go/NoGo. Marking of up to 25 characters may be added at no extra cost. Certificate of Accuracy included. **ISO 17025** Certificate of Calibration may be purchased.



Hole Location Plug Gages

Flexible Hole Location Gages are used to inspect the centerline distance between 2 or more threaded holes. They also may be used to measure the perpendicularity from the face of the threaded part to the centerline of the pitch diameter of the threaded hole & the parallelism between the other features and the centerline of the threaded hole. The key feature is the gages are designed to engage the threads on the flanks, not the face of the part. This insures the accuracy of the measurement independent of the other features of the hole or part.



Great for CMM's

Custom Rings & Set Disks

Custom Ring Gages & Master Setting Discs are manufactured to your specific diameter requirements in both Inch & Metric. Choose your tolerance Class, (XX, X, Y, Z, ZZ) and material, (Steel, Chrome, or Carbide).

Ring gages may be used as Masters for CMM's, Dial Bore Gages as well as Go/NoGo gages for checking shafts and other Outside diameters, (pass/fail).

Master Setting Discs are used as masters to set Micrometers, Snap Gages, and other dimensional inspection equipment. A Certificate of Accuracy comes with every gage. **ISO 17025** Calibration Certificates may be purchased.

