Cylindrical Gaging
<table>
<thead>
<tr>
<th>Diameter Range</th>
<th>&quot;XXX&quot;</th>
<th>&quot;XX&quot;</th>
<th>&quot;X&quot;</th>
<th>&quot;Y&quot;</th>
<th>&quot;Z&quot;</th>
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<tbody>
<tr>
<td>Above - Including</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>.010&quot; - .825&quot;</td>
<td>.000010&quot;</td>
<td>.000020&quot;</td>
<td>.000040&quot;</td>
<td>.000070&quot;</td>
<td>.0001&quot;</td>
<td>.0002&quot;</td>
</tr>
<tr>
<td>.825&quot; - 1.510&quot;</td>
<td>.000015&quot;</td>
<td>.000030&quot;</td>
<td>.000060&quot;</td>
<td>.000090&quot;</td>
<td>.00012&quot;</td>
<td>.00024&quot;</td>
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<tr>
<td>1.510&quot; - 2.510&quot;</td>
<td>.000020&quot;</td>
<td>.000040&quot;</td>
<td>.000080&quot;</td>
<td>.00012&quot;</td>
<td>.00016&quot;</td>
<td>.00032&quot;</td>
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<tr>
<td>2.510&quot; - 4.510&quot;</td>
<td>.000025&quot;</td>
<td>.000050&quot;</td>
<td>.0001&quot;</td>
<td>.00015&quot;</td>
<td>.0002&quot;</td>
<td>.0004&quot;</td>
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<tr>
<td>4.510&quot; - 6.510&quot;</td>
<td>.000033&quot;</td>
<td>.000065&quot;</td>
<td>.00013&quot;</td>
<td>.00019&quot;</td>
<td>.00025&quot;</td>
<td>.0005&quot;</td>
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<td>6.510&quot; - 9.010&quot;</td>
<td>.000040&quot;</td>
<td>.000080&quot;</td>
<td>.00016&quot;</td>
<td>.00024&quot;</td>
<td>.00032&quot;</td>
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<td>9.010&quot; - 12.010&quot;</td>
<td>.000050&quot;</td>
<td>.0001&quot;</td>
<td>.0002&quot;</td>
<td>.0003&quot;</td>
<td>.0004&quot;</td>
<td>.0008&quot;</td>
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<table>
<thead>
<tr>
<th>Above - Including</th>
<th>Inch</th>
<th>Metric</th>
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<tbody>
<tr>
<td>.254mm - 20.96mm</td>
<td>.00025mm, .00051mm, .00102mm, .00178mm, .00254mm, .00508mm</td>
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<td>20.96mm - 38.35mm</td>
<td>.00038mm, .00076mm, .00152mm, .00229mm, .00305mm, .00610mm</td>
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<td>38.35mm - 63.75mm</td>
<td>.00051mm, .00102mm, .00203mm, .00305mm, .00406mm, .00813mm</td>
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<tr>
<td>63.75mm - 114.55mm</td>
<td>.00064mm, .00127mm, .00254mm, .00381mm, .00508mm, .1016mm</td>
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<tr>
<td>114.55mm - 165.35mm</td>
<td>.00084mm, .00165mm, .00330mm, .00483mm, .00635mm, .1270mm</td>
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<tr>
<td>165.35mm - 228.85mm</td>
<td>.00102mm, .00203mm, .00406mm, .00610mm, .00813mm, .1626mm</td>
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<tr>
<td>228.85mm - 305.05mm</td>
<td>.00127mm, .00254mm, .00508mm, .00762mm, .01016mm, .02032mm</td>
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# Gage Design Selection Chart

<table>
<thead>
<tr>
<th>INCHES</th>
<th>.004-.105</th>
<th>.105-.760</th>
<th>.760-1.010</th>
<th>1.010-1.510</th>
<th>1.510-6.000</th>
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<tbody>
<tr>
<td><strong>REVERSIBLE</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>TAPERLOCK</strong></td>
<td></td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>TRILOCK</strong></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
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</tbody>
</table>
REVERSIBLE PLUG GAGE SETS & REPLACEMENT PINS

Range: .006” - 1.0005” & .20mm to 25.49mm
Material: Tool Steel (AISI 52100) 60/62 RC
Increments: .0005” & .01mm
REVERSIBLE PLUG GAGE ASSEMBLIES

Range: .004” - 1.010”

Materials: Tool Steel 60/62 RC  Tolerances: XX, X, Y, Z, & ZZ
Chrome Plated 70/72 Rc
Carbide 90/92 Ra

Assembly Features:
Go member: Min Product Hole Size  No-Go member: Max Product Hole Size
Gage Tolerance: Plus  Gage Tolerance: Minus
Green cap  Red cap

* The caps are marked with “GO” & “NO-GO” as well as the “Sizes”. The handle is marked with the “Class” & Up to 15 Characters of your choosing.
Custom Long Length Reversible Gages

Range: .0151” - 1.010” (See Catalog for Size Exceptions!)
Lengths: Up to 6”
Materials: Tool Steel  60/62 RC  Tolerances: XX, X, Y, Z, & ZZ
Chrome Plated  70/72 RC
Specify: Go, No-Go, or Master
Go Class “X”
Plain Plug Gages

Stocked!!
Increment: .0001”
Range: .0040” - 1.0000”
Tolerance: Plus (.000040”)
Material: Tool Steel
(Cold Stabilized!)
Taperlock Plain Plug Gages

Range: .105” - 1.510”

Materials: Tool Steel  60/62 RC   Tolerances: XX, X, Y, Z, & ZZ
                      Chrome Plated  70 RC

Assembly Features:
Go member:  Min Product Hole Size    No-Go member: Max Product Hole Size
                  Gage Tolerance: Plus                    Gage Tolerance: Minus
          Long member                                      Short member

* The Handle is marked with “GO“ & “NO-GO” as well as the “Sizes”. The handle is marked with the “Class” & Up to 15 Characters of your choosing.
Trilock Cylindrical Plug Gage

Range: .760” - 1.510”

Materials: Tool Steel  60/62 RC  Tolerances: XX, X, Y, Z, & ZZ  
Chrome Plated  70/72 RC

Assembly Features:
Go member: Min Product Hole Size  No-Go member: Max Product Hole Size
Gage Tolerance: Plus  Gage Tolerance: Minus
Long Member  Short Member

* The Handle is marked with “GO” & “NO-GO” as well as the “Sizes”. The handle is marked with the “Class” & Up to 15 Characters of your choosing.
Progressive Plug Gages

Range: .105” - 4.510”

Materials: Tool Steel (AISI 52100) 60/62 RC  Tolerances: XX, X, Y, Z, & ZZ
Chrome (Plated Tool Steel) 70/72 RC

Assembly Features:
Go (Front): Min Product Hole Size  No-Go (Back): Max Product Hole Size
Gage Tolerance: Plus  Gage Tolerance: Minus
Front, long portion.  Back, short portion

* The Handle is marked with “GO“ & “NO-GO” as well as the “Sizes”. The handle is marked with the “Class” & Up to 15 Characters of your choosing.
Other Plain Gage Types

- Hex Gages
  - ANSI B18.3 & B107.17M

- Master Setting Disc’s
  - Style 1, 2, & 3
Custom Gages

- Built to Your Specifications
- Developed from Your Part Drawings
- Designed to Meet Your Specific Needs
- Drawings May Be Supplied, if Required. (All Created Drawings Require Your Approval!)
Plug Gages Are:

• Used To Inspect Holes or Slots (Pass / Fail)

• Used As Masters, (Setting Micrometers, Verniers & Calipers)

• Made per ANSI/ASME B89.1.5
Plug Gages Are Not:

- Lapping Sticks, Reamers, Or Re-Sizing Tools
- De-burring Tools or Die Clean-outs
- Used to Measure Actual Size
- Hammers or Other Types of “Delicate” Adjustment Tools
Never force a Gage into or on a Part Being Check

Handle gages as you would any precision tool, misuse or mishandling can result in nicks or other deformities which can destroy the integrity of the gage.

Store gages in a secure location, preferably in individual compartments or containers. Gages should be dipped in an oil-wax based seal or coated with a rust preventive prior to storing

Ship gages packed separately, coated with rust preventive, with sufficient packing material to avoid damage.
Any Questions, Contact Us

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