



Cylindrical Gaging





**Vermont
Gage**



Diameter Tolerance Chart (ANSI/ASME B89.1.5)

Diameter Range	"XXX"	"XX"	"X"	"Y"	"Z"	"ZZ"
<i>Above - Including</i>			<i>Inch</i>			
.010" - .825"	.000010"	.000020"	.000040"	.000070"	.0001"	.0002"
.825" - 1.510"	.000015"	.000030"	.000060"	.000090"	.00012"	.00024"
1.510" - 2.510"	.000020"	.000040"	.000080"	.00012"	.00016"	.00032"
2.510" - 4.510"	.000025"	.000050"	.0001"	.00015"	.0002"	.0004"
4.510" - 6.510"	.000033"	.000065"	.00013"	.00019"	.00025"	.0005"
6.510" - 9.010"	.000040"	.000080"	.00016"	.00024"	.00032"	.00064"
9.010" - 12.010"	.000050"	.0001"	.0002"	.0003"	.0004"	.0008"
<i>Above - Including</i>			<i>Metric</i>			
.254mm - 20.96mm	.00025mm	.00051mm	.00102mm	.00178mm	.00254mm	.00508mm
20.96mm - 38.35mm	.00038mm	.00076mm	.00152mm	.00229mm	.00305mm	.00610mm
38.35mm - 63.75mm	.00051mm	.00102mm	.00203mm	.00305mm	.00406mm	.00813mm
63.75mm - 114.55mm	.00064mm	.00127mm	.00254mm	.00381mm	.00508mm	.01016mm
114.55mm - 165.35mm	.00084mm	.00165mm	.00330mm	.00483mm	.00635mm	.01270mm
165.35mm - 228.85mm	.00102mm	.00203mm	.00406mm	.00610mm	.00813mm	.01626mm
228.85mm - 305.05mm	.00127mm	.00254mm	.00508mm	.00762mm	.01016mm	.02032mm



Gage Design Selection Chart

<i>INCHES</i>	<i>.004- .105</i>	<i>.105- .760</i>	<i>.760- 1.010</i>	<i>1.010- 1.510</i>	<i>1.510- 6.000</i>
<i>REVERSIBLE</i>	<i>X</i>	<i>X</i>	<i>X</i>		
<i>TAPERLOCK</i>		<i>X</i>	<i>X</i>	<i>X</i>	
<i>TRILOCK</i>			<i>X</i>	<i>X</i>	<i>X</i>



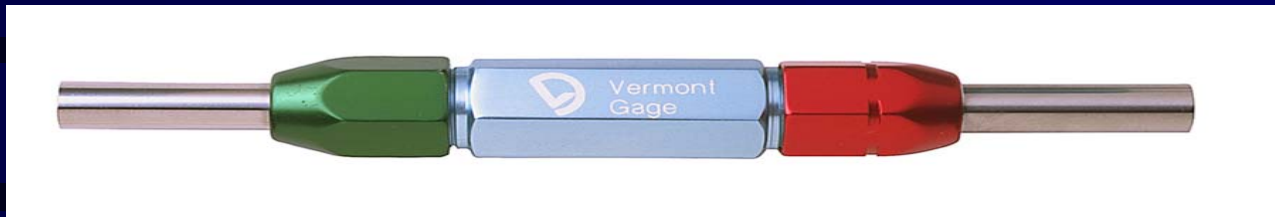
REVERSIBLE PLUG GAGE SETS & REPLACEMENT PINS



*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



Vermont
Gage



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:

<i>Go member: Min Product Hole Size</i>	<i>No-Go member: Max Product Hole Size</i>
<i>Gage Tolerance: Plus</i>	<i>Gage Tolerance: Minus</i>
<i>Long member</i>	<i>Short member</i>

** 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:

<i>Go member: Min Product Hole Size</i>	<i>No-Go member: Max Product Hole Size</i>
<i>Gage Tolerance: Plus</i>	<i>Gage Tolerance: Minus</i>
<i>Long Member</i>	<i>Short Member</i>

** 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*



Remember!!!

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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