

# Custom Steel & Chrome Ring Gages from .0600" to 12.2600"

## FOR MASTERS & GO/NOGO GAGING

Ring Gages are perfect for use as masters for bore gages and internal micrometers. Use Vermont Gage Ring Gages to efficiently inspect external dimensions of manufactured parts. With a Go and NoGo ring, an inspector can quickly pass/fail parts without taking time-consuming readings from an indicator. A Certificate of Accuracy accompanies every ring gage assuring size.

- **Class XX, X, Y, Z or ZZ**
- **See page 116 for tolerance specifications**
- **Go, NoGo or Master tolerances**
- **NIST traceable**
- **Tool Steel; 60/62 Rc (Cold Stabilized)**
- **Chrome Plated Tool Steel; 70/72 Rc**
- **Lapped to 4 microinch finish or better on Class XX or X**
- **Round within 1/2 of tolerance**
- **Marked with size and direction of tolerance**
- **Special Marking Available**
- **Certificate of Accuracy included**
- **See page 111 for Calibration Services**



### How to Order:

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#### Material

- [1] Tool Steel
- [2] Chrome Plated Tool Steel

#### Tolerance

- [1] Class XX
- [2] Class X
- [3] Class Y
- [4] Class Z
- [5] Class ZZ

#### Range

[01] .0600" to .0700"	[1.52mm to 1.78mm]
[02] .0701" to .1500"	[1.79mm to 3.81mm]
[03] .1501" to .2300"	[3.82mm to 5.84mm]
[04] .2301" to .3650"	[5.85mm to 9.27mm]
[05] .3651" to .5100"	[9.28mm to 12.95mm]
[06] .5101" to .8250"	[12.96mm to 20.95mm]
[07] .8251" to 1.1350"	[20.96mm to 28.83mm]
[08] 1.1351" to 1.5100"	[28.84mm to 38.35mm]
[09] 1.5101" to 2.0100"	[38.36mm to 51.05mm]
[10] 2.0101" to 2.5100"	[51.06mm to 63.75mm]
[11] 2.5101" to 3.0100"	[63.76mm to 76.45mm]
[12] 3.0101" to 3.5100"	[76.46mm to 89.15mm]
[13] 3.5101" to 4.0100"	[89.16mm to 101.85mm]
[14] 4.0101" to 4.7600"	[101.86mm to 120.90mm]
[15] 4.7601" to 5.5100"	[120.91mm to 139.85mm]
[16] 5.5101" to 6.2600"	[139.86mm to 159.00mm]
[17] 6.2601" to 7.0100"	[159.01mm to 178.05mm]
[18] 7.0101" to 7.7600"	[178.06mm to 197.10mm]
[19] 7.7601" to 8.5100"	[197.11mm to 216.15mm]
[20] 8.5101" to 9.2600"	[216.16mm to 235.20mm]
[21] 9.2601" to 10.0100"	[235.21mm to 254.25mm]
[22] 10.0101" to 10.7600"	[254.26mm to 273.30mm]
[23] 10.7601" to 11.5100"	[273.31mm to 292.35mm]
[24] 11.5101" to 12.2600"	[292.36mm to 311.40mm]

#### Direction of Tolerance

- [1] Go [1 member, (Minus) unilateral tolerance]
- [2] NoGo [1 member, (Plus) unilateral tolerance]
- [3] Master [1 member bilateral tolerance]

#### Package

- [1] Member only

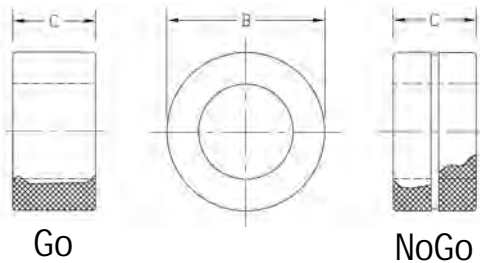
**Size** (Specify size of gage members)

Configure part number and add size of gage member.  
Example: **231204310 - .2500"**

# Custom Steel & Chrome Ring Gages from .0600" to 12.2600"

PLAIN RINGS

Range	Tolerance Class	Price Member Only	Blank No	C Dim.	B Dim.
<b>.0600" to .0700"</b> 1.52mm to 1.78mm (Chrome not available) [01]	XX	\$215.00	00	3/16"	15/16"
	X	\$185.00	00	3/16"	15/16"
	Y	\$175.00	00	3/16"	15/16"
	Z, ZZ	\$155.00	00	3/16"	15/16"
<b>.0701" to .1500"</b> 1.79mm to 3.81mm (Chrome not available) [02]	XX	\$188.00	00	3/16"	15/16"
	X	\$145.00	00	3/16"	15/16"
	Y	\$150.00	00	3/16"	15/16"
	Z, ZZ	\$142.00	00	3/16"	15/16"
<b>.1501" to .2300"</b> 3.82mm to 5.84mm [03]	XX	\$144.00	0	3/8"	15/16"
	X	\$126.00	0	3/8"	15/16"
	Y	\$118.00	0	3/8"	15/16"
	Z, ZZ	\$110.00	0	3/8"	15/16"
<b>.2301" to .3650"</b> 5.85mm to 9.27mm [04]	XX	\$130.00	1	9/16"	1-1/8"
	X	\$112.00	1	9/16"	1-1/8"
	Y	\$105.00	1	9/16"	1-1/8"
	Z, ZZ	\$98.00	1	9/16"	1-1/8"
<b>.3651" to .5100"</b> 9.28mm to 12.95mm [05]	XX	\$132.00	2	3/4"	1-3/8"
	X	\$112.00	2	3/4"	1-3/8"
	Y	\$105.00	2	3/4"	1-3/8"
	Z, ZZ	\$99.00	2	3/4"	1-3/8"
<b>.5101" to .8250"</b> 12.96mm to 20.95mm [06]	XX	\$136.00	3	15/16"	1-3/4"
	X	\$120.00	3	15/16"	1-3/4"
	Y	\$110.00	3	15/16"	1-3/4"
	Z, ZZ	\$103.00	3	15/16"	1-3/4"
<b>.8251" to 1.1350"</b> 20.96mm to 28.83mm [07]	XX	\$138.00	4	1-1/8"	2-1/8"
	X	\$122.00	4	1-1/8"	2-1/8"
	Y	\$112.00	4	1-1/8"	2-1/8"
	Z, ZZ	\$105.00	4	1-1/8"	2-1/8"
<b>1.1351" to 1.5100"</b> 28.84mm to 38.35mm [08]	XX	\$160.00	5	1-5/16"	2-1/2"
	X	\$138.00	5	1-5/16"	2-1/2"
	Y	\$128.00	5	1-5/16"	2-1/2"
	Z, ZZ	\$120.00	5	1-5/16"	2-1/2"
<b>1.5101" to 2.0100"</b> 38.36mm to 51.05mm [09]	XX	\$195.00	6	1-1/2"	4"
	X	\$172.00	6	1-1/2"	4"
	Y	\$160.00	6	1-1/2"	4"
	Z, ZZ	\$152.00	6	1-1/2"	4"
<b>2.0101" to 2.5100"</b> 51.06mm to 63.75mm [10]	XX	\$250.00	7	1-1/2"	4-1/2"
	X	\$220.00	7	1-1/2"	4-1/2"
	Y	\$192.00	7	1-1/2"	4-1/2"
	Z, ZZ	\$178.00	7	1-1/2"	4-1/2"



**QTY DISCOUNTS**  
**2 pcs. & Up... Less 10%**  
 Combine identical sizes  
 for quantity discount  
*(Excludes Class XX products)*

Range	Tolerance Class	Price Member Only	Blank No	C Dim.	B Dim.
<b>2.5101" to 3.0100"</b> 63.76mm to 76.45mm [11]	XX	\$272.00	8	1-1/2"	5"
	X	\$240.00	8	1-1/2"	5"
	Y	\$215.00	8	1-1/2"	5"
	Z, ZZ	\$202.00	8	1-1/2"	5"
<b>3.0101" to 3.5100"</b> 76.46mm to 89.15mm [12]	XX	\$335.00	9	1-1/2"	5-1/2"
	X	\$285.00	9	1-1/2"	5-1/2"
	Y	\$250.00	9	1-1/2"	5-1/2"
	Z, ZZ	\$230.00	9	1-1/2"	5-1/2"
<b>3.5101" to 4.0100"</b> 89.16mm to 101.85mm [13]	XX	\$380.00	10	1-1/2"	6-1/4"
	X	\$320.00	10	1-1/2"	6-1/4"
	Y	\$280.00	10	1-1/2"	6-1/4"
	Z, ZZ	\$266.00	10	1-1/2"	6-1/4"
<b>4.0101" to 4.7600"</b> 101.86mm to 120.90mm [14]	XX	\$440.00	11	1-1/2"	7-1/4"
	X	\$380.00	11	1-1/2"	7-1/4"
	Y	\$330.00	11	1-1/2"	7-1/4"
	Z, ZZ	\$310.00	11	1-1/2"	7-1/4"
<b>4.7601" to 5.5100"</b> 120.91mm to 139.85mm [15]	XX	\$570.00	12	1-1/2"	8-1/4"
	X	\$490.00	12	1-1/2"	8-1/4"
	Y	\$430.00	12	1-1/2"	8-1/4"
	Z, ZZ	\$420.00	12	1-1/2"	8-1/4"
<b>5.5101" to 6.2600"</b> 139.86mm to 159.00mm [16]	XX	\$660.00	13	1-1/2"	9-1/4"
	X	\$570.00	13	1-1/2"	9-1/4"
	Y	\$500.00	13	1-1/2"	9-1/4"
	Z, ZZ	\$485.00	13	1-1/2"	9-1/4"
<b>6.2601" to 7.0100"</b> 159.01mm to 178.05mm [17]	XX	\$800.00	14	1-1/2"	10-1/4"
	X	\$730.00	14	1-1/2"	10-1/4"
	Y	\$690.00	14	1-1/2"	10-1/4"
	Z, ZZ	\$680.00	14	1-1/2"	10-1/4"
<b>7.0101" to 7.7600"</b> 178.06mm to 197.10mm [18]	XX	\$925.00	15	1-1/2"	11-1/4"
	X	\$800.00	15	1-1/2"	11-1/4"
	Y	\$760.00	15	1-1/2"	11-1/4"
	Z, ZZ	\$730.00	15	1-1/2"	11-1/4"
<b>7.7601" to 8.5100"</b> 197.11mm to 216.15mm [19]	XX	\$1,025.00	16	1-1/2"	12-1/4"
	X	\$980.00	16	1-1/2"	12-1/4"
	Y	\$925.00	16	1-1/2"	12-1/4"
	Z, ZZ	\$900.00	16	1-1/2"	12-1/4"
<b>8.5101" to 9.2600"</b> 216.16mm to 235.20mm [20]	XX	\$1,220.00	17	1-1/2"	13-1/4"
	X	\$1,115.00	17	1-1/2"	13-1/4"
	Y	\$1,070.00	17	1-1/2"	13-1/4"
	Z, ZZ	\$910.00	17	1-1/2"	13-1/4"
<b>9.2601" to 10.0100"</b> 235.21mm to 254.25mm [21]	XX	\$1,375.00	18	1-1/2"	14-1/4"
	X	\$1,175.00	18	1-1/2"	14-1/4"
	Y	\$1,100.00	18	1-1/2"	14-1/4"
	Z, ZZ	\$1,015.00	18	1-1/2"	14-1/4"
<b>10.0101" to 10.7600"</b> 254.26mm to 273.30mm [22]	XX	\$1,530.00	19	1-1/2"	15-1/4"
	X	\$1,325.00	19	1-1/2"	15-1/4"
	Y	\$1,130.00	19	1-1/2"	15-1/4"
	Z, ZZ	\$1,090.00	19	1-1/2"	15-1/4"
<b>10.7601" to 11.5100"</b> 273.31mm to 292.35mm [23]	XX	\$1,650.00	20	1-1/2"	16-1/4"
	X	\$1,450.00	20	1-1/2"	16-1/4"
	Y	\$1,315.00	20	1-1/2"	16-1/4"
	Z, ZZ	\$1,225.00	20	1-1/2"	16-1/4"
<b>11.5101" to 12.2600"</b> 292.36mm to 311.40mm [24]	XX	\$1,825.00	21	1-1/2"	17-1/4"
	X	\$1,545.00	21	1-1/2"	17-1/4"
	Y	\$1,425.00	21	1-1/2"	17-1/4"
	Z, ZZ	\$1,340.00	21	1-1/2"	17-1/4"

Chrome Plated Tool Steel - Add 50% to Steel price.

# Custom Carbide Ring Gages from .0600" to 1.5100"

## FOR MASTERS & GO/NOGO GAGING

Carbide Ring Gages are perfect for use as masters for bore gages and internal micrometers. The high wear resistance of the carbide material extends the gage life. Use Vermont Gage Ring Gages to efficiently inspect external dimensions of manufactured parts. With a Go and NoGo ring, an inspector can quickly pass/fail parts without taking time-consuming readings from an indicator. A Certificate of Accuracy accompanies every ring gage assuring size.

- **Class XX, X, Y, Z or ZZ**
- **See page 116 for tolerance specifications**
- **Go, NoGo or Master tolerances**
- **NIST traceable**
- **C-2 Tungsten Carbide; 90/92 Ra**
- **Lapped to 2 microinch finish or better on Class XX or X**
- **Round within 1/2 of tolerance**
- **Marked with size and direction of tolerance**
- **Larger sizes available. Call for quotation.**
- **Certificate of Accuracy included**
- **See page 111 for Calibration Services**

### How to Order:

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**Material**  
[3] Tungsten Carbide

**Tolerance**  
[1] Class XX  
[2] Class X  
[3] Class Y  
[4] Class Z  
[5] Class ZZ

**Range**

[01] .0600" to .0700"	[1.52mm to 1.78mm]
[02] .0701" to .1500"	[1.79mm to 3.81mm]
[03] .1501" to .2300"	[3.82mm to 5.84mm]
[04] .2301" to .3650"	[5.85mm to 9.27mm]
[05] .3651" to .5100"	[9.28mm to 12.95mm]
[06] .5101" to .8250"	[12.96mm to 20.83mm]
[07] .8251" to 1.1350"	[20.96mm to 28.83mm]
[08] 1.1351" to 1.3350"	[28.84mm to 33.91mm]
[09] 1.3351" to 1.5100"	[33.92mm to 38.35mm]

**Direction of Tolerance**  
[1] Go [1 member, (Minus) unilateral tolerance]  
[2] NoGo [1 member, (Plus) unilateral tolerance]  
[3] Master [1 member bilateral tolerance]

**Package**  
[1] Member only

**Size** (Specify size of gage members)  
Configure part number and add size of gage member.  
Example: 233204310 - .2500"



# Custom Carbide Ring Gages from .0600" to 1.5100"

Range	Tolerance Class	Price Member Only	Blank No	C Dim.	B Dim.
<b>.0600" to .0700"</b> <b>1.52mm to 1.78mm</b> [01]	XX	\$250.00	00	3/16"	15/16"
	X	\$210.00	00	3/16"	15/16"
	Y	\$200.00	00	3/16"	15/16"
	Z, ZZ	\$190.00	00	3/16"	15/16"
<b>.0701" to .1500"</b> <b>1.79mm to 3.81mm</b> [02]	XX	\$250.00	00	3/16"	15/16"
	X	\$210.00	00	3/16"	15/16"
	Y	\$200.00	00	3/16"	15/16"
	Z, ZZ	\$190.00	00	3/16"	15/16"
<b>.1501" to .2300"</b> <b>3.82mm to 5.84mm</b> [03]	XX	\$230.00	0	3/8"	15/16"
	X	\$200.00	0	3/8"	15/16"
	Y	\$195.00	0	3/8"	15/16"
	Z, ZZ	\$185.00	0	3/8"	15/16"
<b>.2301" to .3650"</b> <b>5.85mm to 9.27mm</b> [04]	XX	\$225.00	1	9/16"	1-1/8"
	X	\$190.00	1	9/16"	1-1/8"
	Y	\$185.00	1	9/16"	1-1/8"
	Z, ZZ	\$175.00	1	9/16"	1-1/8"
<b>.3651" to .5100"</b> <b>9.28mm to 12.95mm</b> [05]	XX	\$235.00	2	3/4"	1-3/8"
	X	\$220.00	2	3/4"	1-3/8"
	Y	\$205.00	2	3/4"	1-3/8"
	Z, ZZ	\$195.00	2	3/4"	1-3/8"
<b>.5101" to .8250"</b> <b>12.96mm to 20.95mm</b> [06]	XX	\$250.00	3	15/16"	1-3/4"
	X	\$235.00	3	15/16"	1-3/4"
	Y	\$230.00	3	15/16"	1-3/4"
	Z, ZZ	\$225.00	3	15/16"	1-3/4"
<b>.8251" to 1.1350"</b> <b>20.96mm to 28.83mm</b> [07]	XX	\$375.00	4	1-1/8"	2-1/8"
	X	\$345.00	4	1-1/8"	2-1/8"
	Y	\$335.00	4	1-1/8"	2-1/8"
	Z, ZZ	\$330.00	4	1-1/8"	2-1/8"
<b>1.1351" to 1.3350"</b> <b>28.84mm to 33.91mm</b> [08]	XX	\$450.00	5	1-5/16"	2-1/2"
	X	\$425.00	5	1-5/16"	2-1/2"
	Y	\$390.00	5	1-5/16"	2-1/2"
	Z, ZZ	\$380.00	5	1-5/16"	2-1/2"
<b>1.3351" to 1.5100"</b> <b>33.92mm to 38.35mm</b> [09]	XX	\$480.00	5	1-5/16"	2-1/2"
	X	\$450.00	5	1-5/16"	2-1/2"
	Y	\$425.00	5	1-5/16"	2-1/2"
	Z, ZZ	\$405.00	5	1-5/16"	2-1/2"

