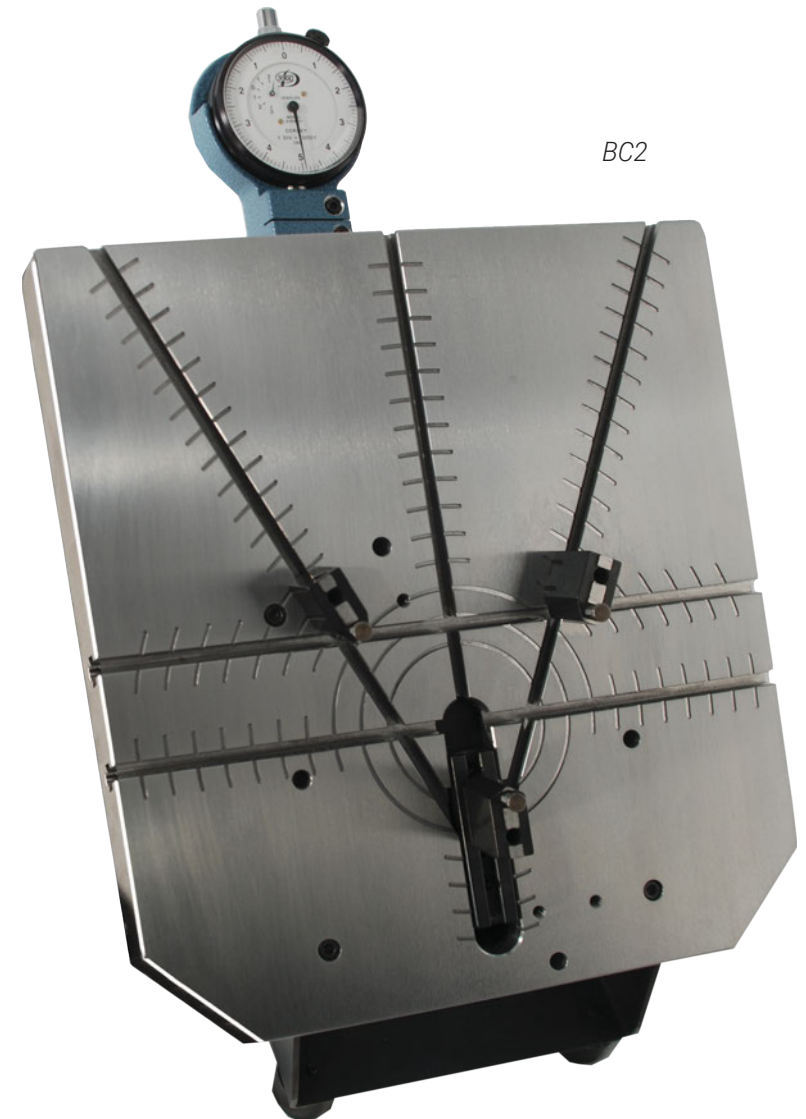
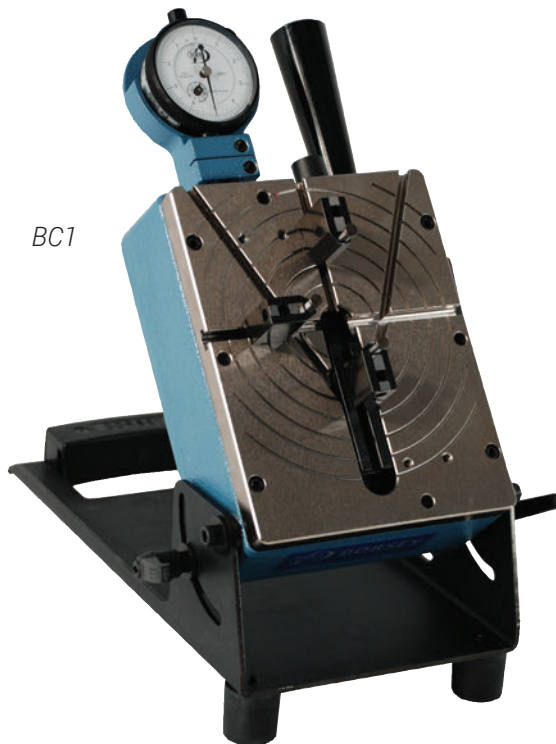


## ADJUSTABLE INSIDE / OUTSIDE DIAMETER FIXTURES

This comparator offers 2 or 3 point measurements for both ID and OD on one benchtop plate. Features include 2 or 3 point measurement, linear ball bushing movement, and a wide range of adjustment. The fixture can be positioned at any angle from horizontal to vertical to duplicate the machining process angle, eliminating deflection and deformation variation as potential sources of error. Hardened steel contact holders provide a work surface that ensures years of accurate, trouble free use.

### FEATURES:

- ✓ Gage is supplied with model 2DM025-01 .0001" graduation 1:1 dial indicator, 3 contact holders, and BCC-GS25 contact set.
- ✓ Reversing the top plate selects either I.D. or O.D.
- ✓ Base with carrying handle features 90 degrees of adjustment with angle locking mechanism.
- ✓ .400" linear gaging or retraction range.
- ✓ Patented precision linear ball bushing gaging mechanism.
- ✓ Ground and plated work stage 5.25" x 6.75" on BC1 and 9.75" x 10.75" on BC2.
- ✓ Witness lines aid with gage alignment.
- ✓ 2 Hex adjustment wrenches.
- ✓ Special contacts designed per requested application.

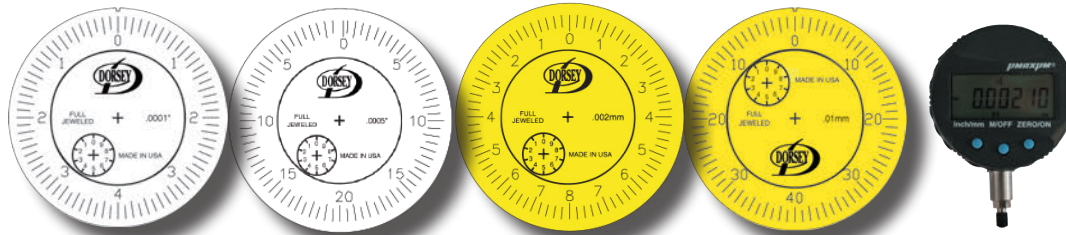


Note: Special ratio 4:5 dial indicator or electronically compensated digital indicator is recommended for 3 point non-diametric contact arrangement. See page 57 for optional indicators.

ORDERING INFORMATION					
PART #	DESCRIPTION	"T" CONFIGURATION		"Y" CONFIGURATION	
		I.D. RANGE	O.D. RANGE	I.D. RANGE	O.D. RANGE
BC1	Gaging Fixture with 3 contacts, 3 holders, and .0001" grad. indicator	.75" - 4.44"	.25" - 5.19"	.75" - 5.25"	.25" - 6.00"
BC1-NI	Same as above, less indicator				
BC2	Gaging Fixture with 3 contacts, 3 holders, and .0001" grad. indicator	2" - 8.44"	1.5" - 9.19"	2" - 10.00"	1.5" - 10.88"
BC2-NI	Same as above, less indicator				

## 4:5 RATIO INDICATORS FOR RECOMMENDED USE WITH 3 POINT "Y" CONFIGURATION

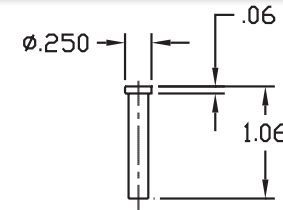
Example: .010 spindle travel is displayed as .008" on indicator



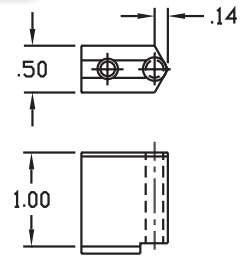
MODEL	2DMR025-017	2DMR125-05	2DMR005-002mm	2DMR5-01mm	MT543-287B
Total Travel	.020"	.100"	0.4mm	4.0mm	.500"/12mm
Graduation	.0001"	.0005"	0.002mm	0.01mm	Selectable
Revolutions	2.5 Rev.	2.5 Rev.	2.5 Rev.	5 Rev.	N/A
Travel/Rev.	.008"	.040"	0.16mm	0.8mm	N/A



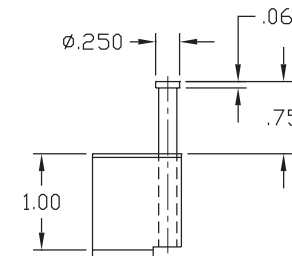
Dorsey Products - proudly made in the USA



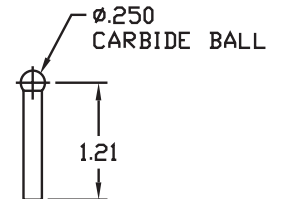
**Part #BCC-GS25**  
Steel groove contact



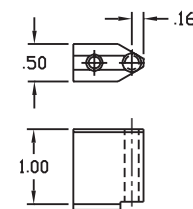
**Part #2760-S (Steel)**  
**Part #2760-C (Carbide)**  
Contact holder, sharp  
(1 required)



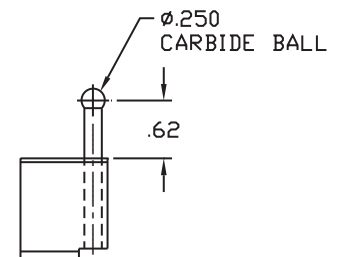
**Part #BCC-GS25**  
Shown in contact holder part #2760



**Part #BCC-CB25**  
Carbide ball contact



**Part #2759-S (Steel)**  
**Part #2759-C (Carbide)**  
Contact holder, flat  
(2 required)



**Part #BCC-CB25**  
Shown in contact holder part #2760

	SIZE RANGE	CLASS	TOLERANCE	RING PART #	DISC PART #
INCH METRIC	.150 - .230" 3.81 - 5.84mm	XX	.00002"	RXX-#.#####	DXX-#.#####
		X	.00004"	RX-#.#####	DX-#.#####
		Y	.00007"	RY-#.#####	DY-#.#####
INCH METRIC	.2301 - .365" 5.84 - 9.27mm	XX	.00002"	RXX-#.#####	DXX-#.#####
		X	.00004"	RX-#.#####	DX-#.#####
		Y	.00007"	RY-#.#####	DY-#.#####
INCH METRIC	.3651 - .510" 9.27 - 12.95mm	XX	.00002"	RXX-#.#####	DXX-#.#####
		X	.00004"	RX-#.#####	DX-#.#####
		Y	.00007"	RY-#.#####	DY-#.#####
INCH METRIC	.5101 - .825" 12.95 - 20.96 mm	XX	.00002"	RXX-#.#####	DXX-#.#####
		X	.00004"	RX-#.#####	DX-#.#####
		Y	.00007"	RY-#.#####	DY-#.#####
INCH METRIC	.8251 - 1.135" 20.96 - 28.83mm	XX	.00003"	RXX-#.#####	DXX-#.#####
		X	.00006"	RX-#.#####	DX-#.#####
		Y	.00009"	RY-#.#####	DY-#.#####
INCH METRIC	1.1351 - 1.510" 28.83 - 38.35mm	XX	.00003"	RXX-#.#####	DXX-#.#####
		X	.00006"	RX-#.#####	DX-#.#####
		Y	.00009"	RY-#.#####	DY-#.#####
INCH METRIC	1.5101 - 2.010" 38.35 - 51.05mm	XX	.00004"	RXX-#.#####	DXX-#.#####
		X	.00008"	RX-#.#####	DX-#.#####
		Y	.00012"	RY-#.#####	DY-#.#####
INCH METRIC	2.0101 - 2.510" 51.05 - 63.75mm	XX	.00004"	RXX-#.#####	DXX-#.#####
		X	.00008"	RX-#.#####	DX-#.#####
		Y	.00012"	RY-#.#####	DY-#.#####
INCH METRIC	2.5101 - 3.010" 63.75 - 76.45mm	XX	.00005"	RXX-#.#####	DXX-#.#####
		X	.00010"	RX-#.#####	DX-#.#####
		Y	.00015"	RY-#.#####	DY-#.#####
INCH METRIC	3.0101 - 3.510" 76.45 - 89.15mm	XX	.00005"	RXX-#.#####	DXX-#.#####
		X	.00010"	RX-#.#####	DX-#.#####
		Y	.00015"	RY-#.#####	DY-#.#####
INCH METRIC	3.5101 - 4.010" 89.15 - 101.85mm	XX	.00005"	RXX-#.#####	DXX-#.#####
		X	.00010"	RX-#.#####	DX-#.#####
		Y	.00015"	RY-#.#####	DY-#.#####
INCH METRIC	4.0101 - 4.510" 101.85 - 114.55mm	XX	.00005"	RXX-#.#####	DXX-#.#####
		X	.00010"	RX-#.#####	DX-#.#####
		Y	.00015"	RY-#.#####	DY-#.#####
INCH METRIC	4.5101 - 5.010" 114.55 - 127.25mm	XX	.000065"	RXX-#.#####	DXX-#.#####
		X	.00013"	RX-#.#####	DX-#.#####
		Y	.00019"	RY-#.#####	DY-#.#####
INCH METRIC	5.0101 - 5.510" 127.25 - 139.95mm	XX	.000065"	RXX-#.#####	DXX-#.#####
		X	.00013"	RX-#.#####	DX-#.#####
		Y	.00019"	RY-#.#####	DY-#.#####
INCH METRIC	5.5101 - 6.010" 139.95 - 152.65mm	XX	.000065"	RXX-#.#####	DXX-#.#####
		X	.00013"	RX-#.#####	DX-#.#####
		Y	.00019"	RY-#.#####	DY-#.#####
INCH METRIC	6.0101 - 7.010" 152.65 - 178.05mm	XX	.00008"	RXX-#.#####	DXX-#.#####
		X	.00016"	RX-#.#####	DX-#.#####
		Y	.00024"	RY-#.#####	DY-#.#####
INCH METRIC	7.0101 - 8.010" 178.05 - 203.45mm	XX	.00008"	RXX-#.#####	DXX-#.#####
		X	.00016"	RX-#.#####	DX-#.#####
		Y	.00024"	RY-#.#####	DY-#.#####

All Dorsey masters are ground and lapped to size then polished. Non-gaging surfaces are black oxide and the faces are surface ground. Blanks meet requirements of B47.1-1988 and gages are manufactured in accordance with ANSI B89.1.6-1984.

## PLUG GAGES/PIN GAGES:

Reversible wires, taper lock, tri-lock, whistle notch, go, no-go, reference, bilateral, or unilateral, with or without handles



\* Special sizes and part simulating masters are available upon request.

## RINGS:

Hardened Steel, bilateral tolerance



## THREAD GAGES:

I.D., O.D., taper lock, reversible, helical coil, UNC, UNF, UNEF, NPT, NPTF, ANPT, NPSF, titanium nitride coated, go, no-go, reference, bilateral, or unilateral, with or without handles



## DISCS:

Hardened Steel, bilateral tolerance

