



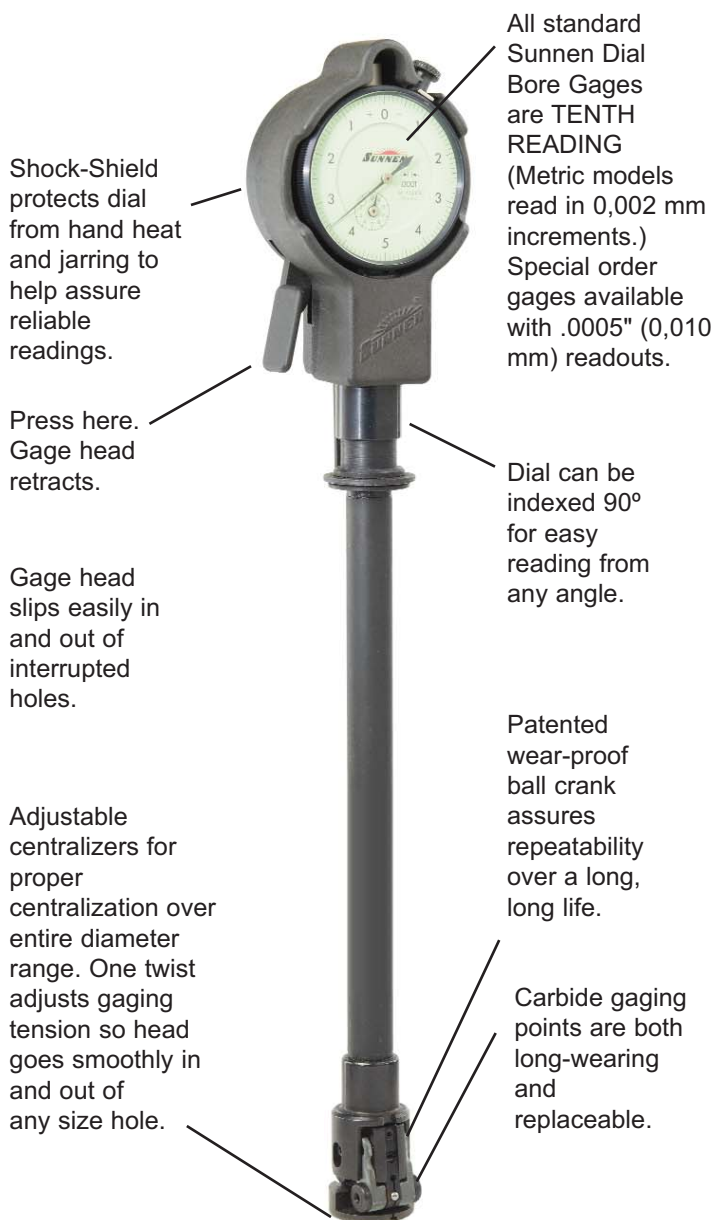
# How The Sunnen System Works

Fast, foolproof setup without ring gages, micrometers or jo blocks. All you do is:

- (1) Put the Gage in the Setting Fixture.  
Nest holds it upright and secure during calibration.
- (2) Dial the size desired on the Setting Fixture.
- (3) Adjust gaging points to the set size and lock.
- (4) Rock the Gage for minimum reading.
- (5) Zero the Gage ... AND GO!



Sunnen features make this the dial bore gage you trust – and like to use.



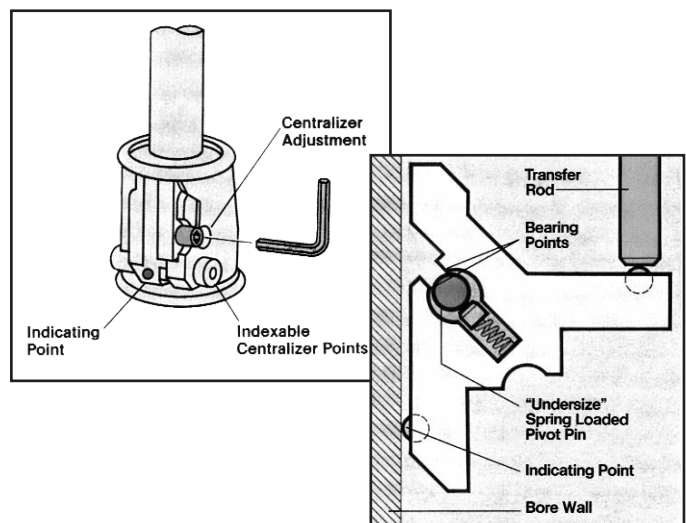
## Accurate centralizing action assured under all conditions.

Position of the gage centralizer points can be adjusted to minimize interference or shock when traveling over cross holes or grooves in the bore being measured. Unique centralizer design insures accurate centering action even with gage tilted off the bore axis. Maintains accurate readings when gaging in close quarters.

Centralizer points can be indexed easily as they wear ... greatly extending their useful life.

## Exclusive ball crank pivot eliminates wear as a factor in gaging accuracy.

Spring-loaded pivot pin actually "wears in" as gage is used. Repeatability stays factory new even with extended use under tough production shop conditions.



# You can always rely on Sunnen Gages...

## -----Sunnen GR-2245 Dial Bore Gage with retractable points... ...fast, easy, and accurate!

- Diameter Range is 2" to 6" (50 to 150 mm)\*
- Optional G822A Extension Kit: 6" to 12" (152,4 to 304,8 mm).
- Gages bores up to 24" (600 mm) long (*Special longer gages available. Call your Sunnen sales representative for details.*)
- **EASY TO SET** - You only need one Sunnen Setting Fixture to set to any size in the CF-1126 range. It's so easy! Just place the gage in the fixture, dial the size and rotate the gage dial to zero. You're ready to go. You can also use ring gages or mikes.
- **FAST AND ACCURATE** - Many unique features make these Sunnen Gages easy to insert in the bore and easy to read... and they have the accuracy you need to ensure the utmost precision in every job.
- They stay put. You don't have to worry about them drifting off, and you don't have to recheck them constantly.
- They always measure the exact size of any bore.

## Sunnen CF-1126 Setting Fixture

- Diameter Range is 2" to 8" (50 to 200 mm)\*
- Sets gage to desired bore size in less than a minute. No ring gages or micrometers required.
- Does not require an extra hand to set the gage... No more fumbling with a micrometer.
- Positive dial-the-size feature eliminates all guesswork. You no longer have to go by feel.
- The Sunnen CF-1126 gives you unprecedented accuracy by setting the bore gage to size within .0001 inches, eliminating any chance of error or false readings.

## Sunnen's E- Series Digital Dial Bore Gages

Sunnen's easy-to-read digital dial bore gages will simplify data analysis as the gage connects directly to your computer's SPC software spreadsheet.

Available in 16 standard models as well as special lengths, it can be ordered on any Sunnen dial bore gage. Just add "E" to the suffix of the gage part number, i.e. GR-2245E.



\*Metric models available - See "How to Order" on next page.

# How to Order

## Sunnen GR-2245 Retractable Dial Bore Gage

- Diameter Range: 2" to 6".\*  
Measures up to 24" (600 mm) depth.  
Retractable Gaging Point.
- Dial is marked in .0005" increments.
- Centralizer is adjustable to size of bore.
- Tension adjustment for Centralizer points lets you set the correct tension so points make contact with least amount of pressure.
- Adjustable Centralizer wear points protect accuracy for life of gage.  
Carbide gaging points... for long life.
- Insulated grip reduces drift.
- Capable of measuring to within .500" (13 mm) of the bottom of a blind hole.

\*For Metric Model, order GRM-2245.  
(Diameter Range: 50 to 150 mm. Dial marked in .010 mm increments.)

Indicators reading in 0.0001 in (0.002 mm) are also available.

## Sunnen CF-1126 Precision Setting Fixture

- Diameter Range: 2" to 8".\*
- Micrometer head with precision carbide anvil.
- Accurate within .0001". Fixture checking standards included.
- Precision setting standards in 1" (25 mm) increments. Setting Fixture has rugged stress-relieved base. May be used without removing from protective metal case.
- As supplied, setting standards cover 2" to 6" (50 to 152,4 mm). A setting standard is not required to measure in the 178 mm to 200 mm (7" to 8") range. When measuring in the 6" to 7" range order:  
**CF-260A Range: 6" to 7"**

\*For Metric Model, order CF-1126-M.  
(Diameter Range: 50 to 200mm. Setting standards are in 25 mm increments.  
When measuring in the 152 mm to 178 mm range order CF-360A Range: 152 to 178 mm.)

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