PRECISION TOOLS FROM

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Your Automotive Measuring People

- Micrometers
  - Rod & Tubular Types
  - Inside
  - Outside
  - Depth
  - Sets
- Dial Indicators & Test Sets
- Magnetic Bases
- Machinists Tools
- Dial Calipers
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- Torque Wrenches
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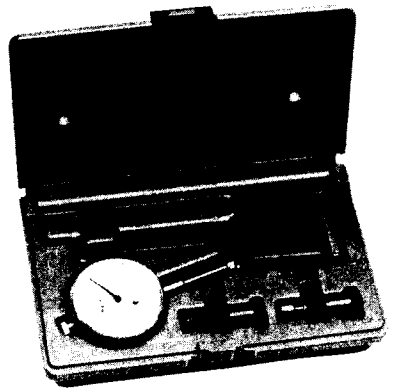
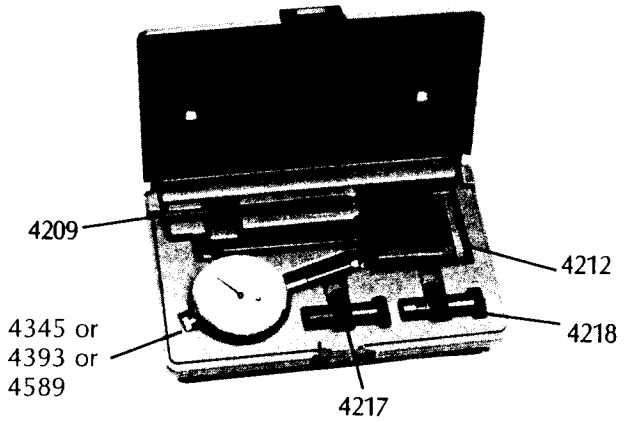
6410 or 6411 or 6640



6410 1" RANGE DIAL INDICATOR SET
OR
6411 30mm RANGE DIAL INDICATOR SET
OR
6640 1" RANGE HIGH PRECISION
DIAL INDICATOR SET



Number	
4345	1" Range Indicator
or 4393	30mm Range Indicator
or 4589	1" Range High Precision Indicator (.0005)
4304	Contact point (part of indicator)
4217	Universal Rod Connector
4218	Indicator Holding Clamp
4209	2 Diameter Rod
4212	Magnetic Base

Some uses for the 6410/6411/6640

Checking – camshaft wear
valve guide wear
timing gear backlash
pinion gear backlash
driveshaft runout
disc brake runout
transmission shaft end play

Setting up the 6410/6411/6640

1. Remove keeper plate from 4212 magnet. Place magnet on any convenient steel surface.
2. Slide 4217 connector down on magnet post. Insert small diameter of 4209 rod into small hole of 4217. Lightly tighten knob.
3. Remove round nut from 4218 clamp and insert stud through hole in indicator lug back and replace nut. Slide 4218 onto 4209 rod and lightly tighten knob.
4. Position indicator plunger against work piece so that it is slightly depressed. Tighten both knobs.

To take reading -
The 6410 dial is graduated in increments of .001". One full revolution of the large pointer is .100" and ten full revolutions is 1.000".

The 6411 dial is graduated in increments of .01mm. One full revolution of the large pointer is 2.0mm and fifteen full revolutions are 30mm.

The 6640 dial is graduated in increments of .0005". One full revolution of the large pointer is .050", and twenty full revolutions is 1.000".

A revolution counter, small pointer, is provided to assist taking long travel readings. DO NOT USE FOR MEASURING.

General Information -
Always replace magnet keeper when not in use. Keep all setups as short as possible. Unneeded rod length between the indicator and the base increases the possibility of error. If the 4209 rod is not required, the 4218 clamp may be attached directly to the magnet post.