



1175Z Item : .375-6" Range with 81-136-1175 Indicator in Case Product : Dial Indicator Groove Gages EDP No : 53173

PRODUCT ITEMS

Range .375-6"

Dial Indicator: Graduation .0005"

Dial Indicator: Model No. 81-136-1175

Dial Indicator: Reading ± 30

Dial Indicator: Range .060"

This lightweight gage is used for in-process or bench inspection of oil grooves, snap ring retainer grooves, "O" ring seat retainer grooves and similar internal recesses. It is also useful for checking bore dimensions and testing for taper, bell-mouth and out-of-roundness.

The movable, sensitive gaging contact has a **1/2" (12.7mm) retractable range** and transfers the measurement through a linear, friction-free transfer mechanism to the dial indicator. The lower reference jaw is fixed and supports the entire weight of the gage and the operator's hands, thus preventing incorrect gaging pressure and false readings.

The reference jaw can be mounted in two positions on the range adjusting bar. The bar itself is also adjustable for greater or lesser range. A fine adjustment screw and a lock are also provided.

This gage has the following features:

- Supplied with two sets of jaws, both readily interchangeable
- Three sets of contacts are furnished (Styles 1-10, 2-10, 2-20) that can be attached to the ends of the jaws without replacing the entire jaw. Contacts have flush ends so that grooves at the bottom of blind holes can be gaged. The contacts are hardened steel with a hard chrome finish for long life
- Gage can be set with gage blocks or other methods such as micrometers, vernier calipers and ring gages. Special jaws for 4" and 6" (100mm and 150mm) gaging depths, a diameter range extension bar from 6-12" (150-300mm), dial indicators graduated in .001", or any special modification of gaging contacts and jaws, are also available by request through our Special Order Department.

Contact Set Specifications:

Style 1-10 is for the smaller jaws and can enter a .375" (9.5mm) bore. Styles 2-10 and 2-20 are used on the larger jaws to get the range up to 6" (150mm).

Contact Set	Part No.		Will Enter Minimum Bore	Maximum Groove I.D.		A		B		
	Upper	Lower		Inch	mm	Inch	mm	Inch	mm	
Style 1-10	PT30917	PT30917	.375"	9.5	3.00"	75	.100"	2.5	.024"	0.6
Style 2-10	PT30918	PT30919	.690"	17.5	5.00"	125	.140"	3.6	.034"	0.8
Style 2-20	PT30920	PT30921	1.00"	25	6.00"	150	.265"	6.7	.051"	1.3