

DIAL BORE GAGES

82, 82M DIAL BORE GAGES

.107-1.565"/2.7-39.75MM

Dial bore gages are available in convenient sets or with individual probes and dial indicators. Each set consists of a dial indicator, a body and actuating rod, two adjusting wrenches and the probes as specified below.

The head may be ordered separately (includes dial indicator, body, and two adjusting wrenches). Individual probes can also be ordered as listed. All probes are furnished with an actuating rod. These gages are also available with electronic indicators by special order.

Measurements are taken by comparison so some type of set master should be used as a reference standard. We recommend setting as close to the hole being measured as possible, and this can be easily done with gage blocks or with a micrometer. We can also furnish master setting rings by request.

- The split-ball contact is self-centering and the two-point contact makes the gage useful for detecting hole geometry problems like taper, bell-mouth and out-of-roundness
- Reads to .0001" and 0.002mm
- Useful for controlling approach to tolerance without removing the workpiece from a machine
- Interchangeable probes are hard chrome plated and polished
- Sets furnished in attractive, protective case.

A Sets Individual Probes Only for 82 and 82M Bore Gages

Cat. No.	EDP	Range	
		in	mm
82A2	66015	.107-.140	2.7-3.55
82A3	66016	.139-.172	3.55-4.35
82A4	66017	.171-.203	4.35-5.15
82A5	66018	.202-.234	5.15-5.95
82A6	66019	.233-.266	5.9-6.76

B Sets Individual Probes Only for 82 and 82M Bore Gages

Cat. No.	EDP	Range	
		in	mm
82B2	66020	.217-.281	5.5-7.15
82B3	66021	.279-.344	7.1-8.75
82B4	66022	.342-.405	8.7-10.3
82B5	66023	.403-.469	10.25-11.9
82B6	66024	.467-.532	11.9-13.5
82B7	66025	.530-.594	13.5-15.1

C Sets Individual Probes Only for 82 and 82M Bore Gages

Cat. No.	EDP	Range	
		in	mm
82C2	66028	.560-.690	14.2-17.5
82C3	66029	.685-.815	17.4-20.7
82C4	66030	.810-.940	20.6-23.9
82C5	66031	.935-1.065	23.75-27.05
82C6	66032	1.060-1.190	26.9-30.2
82C7	66033	1.185-1.315	30.1-33.4
82C8	66034	1.310-1.440	33.3-36.6
82C9	66035	1.435-1.565	36.5-39.75

All probes come complete with actuating rod.



82 Dial Bore Gages

Complete Sets	Heads	Total Range	Number of Probes	Range Each Probe	Max. Bore Depth	Graduation		
Cat. No.	EDP						Cat. No.	EDP
82AZ	55791	82AB1	66013	.107-.266"	5	.107-.140"; .139-.172"; .171-.203"; .202-.234"; .233-.266"	13/16"	.0001"
82BZ	55792	82AB1	66013	.217-.594"	6	.217-.281"; .279-.344"; .342-.405"; .403-.469"; .467-.532"; .530-.594"	1-1/2"	.0001"
82CZ	55793	82C1	66026	.560-1.565"	8	.560-.690"; .685-.815"; .810-.940"; .935-1.065"; 1.060-1.190"; 1.185-1.315"; 1.310-1.440"; 1.435-1.565"	2-1/2"	.0001"

82M Dial Bore Gages

Complete Sets	Heads	Total Range	Number of Probes	Range Each Probe	Max. Bore Depth	Graduation		
Cat. No.	EDP						Cat. No.	EDP
82MAZ	66010	82MAB1	66014	2.7-6.76mm	5	2.7-3.55mm; 3.55-4.35mm; 4.35-5.15mm; 5.15-5.95mm; 5.95-6.76mm	20.6mm	0.002 mm
82MBZ	66011	82MAB1	66014	5.5-15.1mm	6	5.5-7.15mm; 7.1-8.75mm; 8.7-10.3mm; 10.25-11.9mm; 11.9-13.5mm; 13.5-15.1mm	38mm	0.002 mm
82MCZ	66012	82MC1	66027	14.2-39.75mm	8	14.2-17.5mm; 17.4-20.7mm; 20.6-23.9mm; 23.75-27.05mm; 26.9-30.2mm; 30.1-33.4mm; 33.3-36.6mm; 36.5-39.75mm	63mm	0.002 mm

* Includes insertion of gage body into bore.

