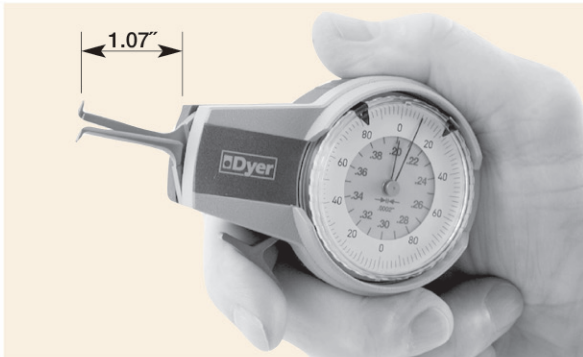
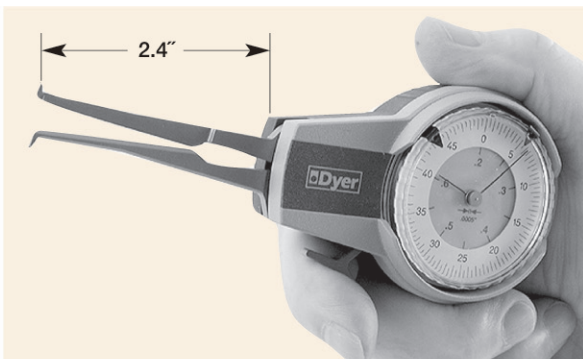


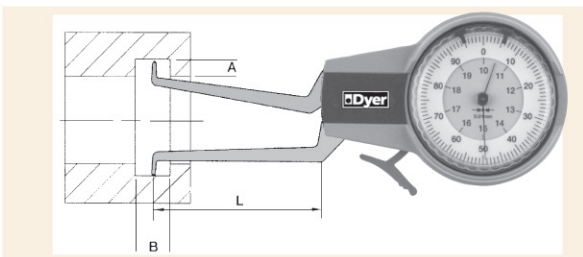
104 SERIES "CLASSIC" DIRECT READING ID GROOVE GAGES



Model 104-101



Model 104-102



104 Series Available with Special Carbide Ball Contacts

The carbide ball sizes shown below are in stock for immediate delivery. We also offer different types of material, i.e., chrome, ruby, ceramic, teflon. Additional customized sizes are available. Contact us with your application requirements.

Dyer stocks these standard carbide ball sizes. We also offer special carbide ball sizes. Contact Dyer Applications Engineering.

Inch	MM
0.031 = 1/32	0.5
0.063 = 1/16	1.0
0.078 = 5/64	1.5
0.098 = 3/32	2.0
0.125 = 1/8	3.0
0.156 = 5/32	
0.188 = 3/16	
0.250 = 1/4	
0.312 = 5/16	
0.438 = 7/16	
0.500 = 1/2	
0.625 = 5/8	

Special Designs

For special designs, contact Dyer office.

Maximum Measuring Accuracy

104 Series x 1.07" (27 mm) reach
Linear part range 0.0002" (0.005 mm)
Full range ± 0.0002 " (0.005 mm)
Repeatability ≤ 0.0002 " (0.005 mm)

Maximum Measuring Accuracy

104 Series x 2.4" (61 mm) reach
Linear part range 0.0005" (0.013 mm)
Full range ± 0.0005 " (0.013 mm)
Repeatability ≤ 0.0005 " (0.013 mm)

We will measure any groove you show us. We have yet to see one we could not measure. Most gages shipped in 1-2 days.

Notable Features

Electronic option, quality and accuracy of gage, many different models.

- Easy to use; the gage arms collapse to enter the small bore, then open into groove diameters.
- Customized standards in 1-2 days.
- Fast, accurate, repeatable measurements.
- Gage R & R capable (depends on tolerance and application). We will do Gage R & R on your part before we ship it to you.
- Hard steel alloyed arms and special machined case makes these gages light weight and shop durable. The arms are spring-loaded.
- New rack gear movement for increased accuracy and repeatability. Oil and corrosion resistant.
- Large, easy to read graduations. Gage uses a 2-pointer system.

Standard Range Models and Specifications

Measuring Range	L Dim Reach of Arms	A Dim Max Depth Groove	B Dim Min Width Groove	Carbide Ball Contact Standard $\emptyset$	Graduation	Order Number	Measuring Range	Graduation	Order Number
Inch Specifications							Metric Models		
0.1" - 0.3"	1.07"	0.040"	0.022" - 0.040"	0.020"	0.0002"	104-100	2.5 - 7.5	0.005 mm	104-200
0.2" - 0.4"	1.07"	0.094"	0.022" - 0.040"	0.020"	0.0002"	104-101	5.0 - 10	0.005 mm	104-201
0.2" - 0.6"	2.4"	0.094"	0.030" - 0.050"	0.020"	0.0005"	104-102	5 - 15	0.010 mm	104-202
0.4" - 0.8"	2.4"	0.200"	0.040"	0.040"	0.0005"	104-103	10 - 20	0.010 mm	104-203
0.8" - 1.2"	2.4"	0.200"	0.040"	0.040"	0.0005"	104-104	20 - 30	0.010 mm	104-204
1.2" - 1.6"	2.4"	0.200"	0.040"	0.040"	0.0005"	104-105	30 - 40	0.010 mm	104-205
1.6" - 2.0"	2.4"	0.200"	0.040"	0.040"	0.0005"	104-106	40 - 50	0.010 mm	104-206

Extended Range Models and Specifications

0.1" - 0.5"	1.07"	0.040"	0.040"	0.020"	0.0005"	104-300	2.5 - 12.5	0.01 mm	104-400
0.2" - 1.0"	2.4"	0.094"	0.060"	0.040"	0.0005"	104-301	5 - 25	0.01 mm	104-401
0.4" - 1.2"	2.4"	0.200"	0.060"	0.040"	0.0005"	104-302	10 - 30	0.01 mm	104-402
0.8" - 1.6"	2.4"	0.200"	0.060"	0.040"	0.0005"	104-303	20 - 40	0.01 mm	104-403
1.2" - 2.0"	2.4"	0.200"	0.060"	0.040"	0.0005"	104-304	30 - 50	0.01 mm	104-404

Ranges >2.00"/50 mm available, call Dyer Applications Engineering.