

# Cylinder Gauges (Blind Hole Type)

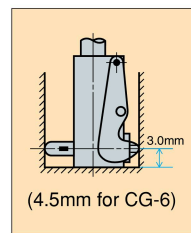
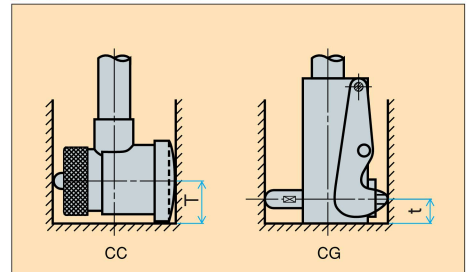
## CG series

If using a CC type cylinder gauge for blind hole bore diameter, its guide plate interrupt the measurement at a point deeper than "T", as shown in the figure below.

In such case, the CG type with modified guide plate is suitable for measurement of the diameter to the point as deep as "t".

- Wide range accuracy...5 μm or less  
Adjacent error.....2 μm or less  
Repeated accuracy.....2 μm or less
- Effective measuring range is 0.5 mm (CG-01)
- Effective measuring range is 1.2 mm (CG-1 to CG-6)

### Applied Example



Cylinder Gauges (Blind Hole Type)



**CG-01**

Range: 10~18mm

- Blind hole type

3mm

CG-01: Measuring depth is 5mm in case of measuring from 10 to 11mm. From 12 to 18mm, the measuring depth is 3mm.



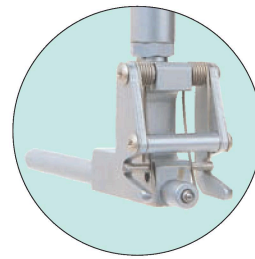
**CG-1**

Range: 18~35mm



**CG-3**

Range: 50~100mm



CG-2 head details



**CG-4**

Range: 100~160mm

### Specifications

Model	Range (mm)	Length below grip (mm)	Number of Feelers (mm)	Thickness of Washers (mm)
CG-01	10 ~ 18	100	Intervals 1 mm x 9	0.5 mm each
CG-1	18 ~ 35	150	Intervals 2 mm x 9	0.5, 1 mm each
CG-2	35 ~ 60	150	Intervals 5 mm x 6	0.5, 1, 2, 3 mm each
CG-3	50 ~ 100	150	Intervals 5 mm x 11	0.5, 1, 2, 3 mm each
CG-3C	50 ~ 150	150	Intervals 5 mm x 11	0.5, 1, 2, 3 mm each
CG-4	100 ~ 160	250	Intervals 10 mm x 7	1, 2, 3, 4 mm each
CG-5	160 ~ 250	250	Intervals 10 mm x 10	1, 2, 3, 4 mm each
CG-6	250 ~ 400	400	Intervals 10 mm x 16	1, 2, 3, 4 mm each

\* Dial gauge is not furnished and supplied only on request. Suitable dial gauges are 17Z, 57B (0.01mm) and 15Z, 5F (0.001mm).

\* CG-3C includes 50 mm extension collar.

\* In general, it is the range from the origin, that is the position where the plunger is pushed in by 0.1 mm, to the position where the plunger is pushed in further by 1.2 mm.

### ● List of special length below grip (available on request)

	L=50 (mm)	L=100 (mm)	L=150 (mm)	L=200 (mm)	L=250 (mm)	L=300 (mm)	L=400 (mm)	L=500 (mm)	L=600 (mm)	L=700 (mm)	L=800 (mm)	L=900 (mm)	L=1000 (mm)
CG-01	●	standard	●	●	●	●							
CG-1	●	●	standard	●	●	●	●	●					
CG-2	●	●	standard	●	●	●	●	●	●	●	●	●	●
CG-3	●	●	standard	●	●	●	●	●	●	●	●	●	●
CG-3C	●	●	standard	●	●	●	●	●	●	●	●	●	●
CG-4	●	●	●	●	standard	●	●	●	●	●	●	●	●
CG-5	●	●	●	●	standard	●	●	●	●	●	●	●	●
CG-6	●	●	●	●	●	●	standard	●	●	●	●	●	●