

Standard Cylinder Gauges

JIS B 7515

3

CC series

Peacock offers a complete line of Dial Bore Gauges with interchangeable anvils and necessary accessories to perform close tolerance measurements of holes, taper and roundness.

- Dial gauge mounting knob is very simple of and sure avoiding demerit of collet-system.
- The contact point is tungsten carbide ball.
- The standard ball tipped at the replacement rod is made of steel. The sintered hard-alloy ball is also available to tip.
- Wide range accuracy $5 \mu\text{m}$ or less
- Adjacent error $2 \mu\text{m}$ or less
- Repeated accuracy $2 \mu\text{m}$ or less
- Effective measuring range is 0.5 mm (CC-02 CC-01)
- Effective measuring range is 1.2 mm (CC-1 to CC-6)



Specifications

Model	Range (mm)	Length below grip (mm)	Number of Feelers (mm)	Thickness of Washers (mm)
CC-02	6 ~ 10	50	Intervals 0.5 mm x 9	—
CC-01	10 ~ 18	100	Intervals 1 mm x 9	0.5 mm
CC-1	18 ~ 35	150	Intervals 2 mm x 9	0.5, 1 mm each
CC-2	35 ~ 60	150	Intervals 5 mm x 6	1,2,3 mm each
CC-3	50 ~ 100	150	Intervals 5 mm x 11	1,2,3 mm each
CC-3C	50 ~ 150	150	Intervals 5 mm x 11	1,2,3 mm each
CC-4	100 ~ 160	250	Intervals 10 mm x 7	1,2,3,4 mm each
CC-5	160 ~ 250	250	Intervals 10 mm x 10	1,2,3,4 mm each
CC-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).

List of special length below grip (available on request)

	L=50 (mm)	L=100 (mm)	L=200 (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)	L=1500 (mm)	L=2000 (mm)
CC-01	standard	○	○	—	—	—	—	—	—	—	—	—	—
CC-1	CC-1S	○	○	○	○	○	—	—	—	—	—	—	—
CC-2	CC-2S	○	○	○	○	○	○	○	○	○	○	○	○
CC-3	CC-3S	○	○	○	○	○	○	○	○	○	○	○	○
CC-3C	CC-3CS	○	○	○	○	○	○	○	○	○	○	○	○
CC-4	○	○	○	○	○	○	○	○	○	○	○	○	○
CC-5	○	○	○	○	○	○	○	○	○	○	○	○	○
CC-6	○	○	○	○	standard	○	○	○	○	○	○	○	○

○ More than L=600mm for CC-2 can not measure from 35 to 44mm and can measure from 45 to 60mm ID.

Short Size Cylinder Gauges

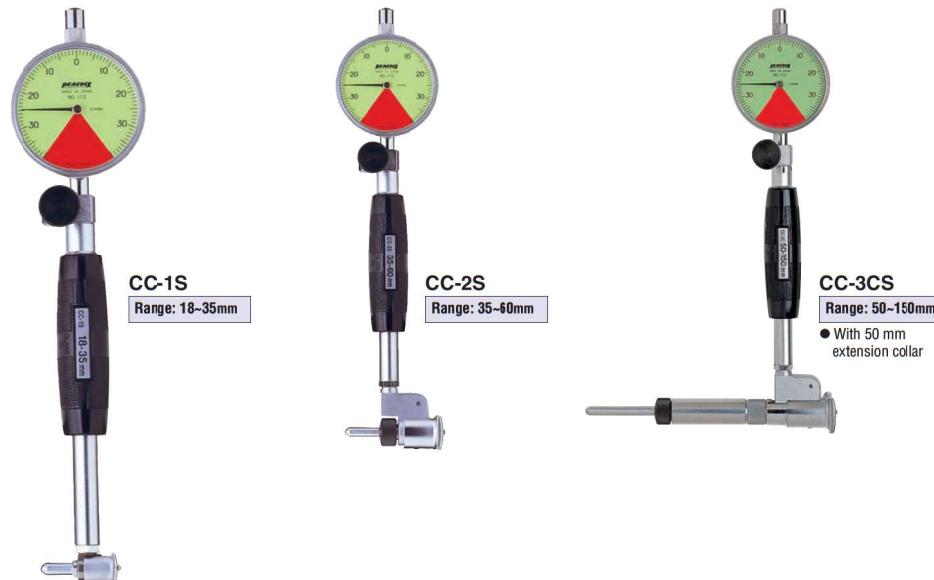
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S series

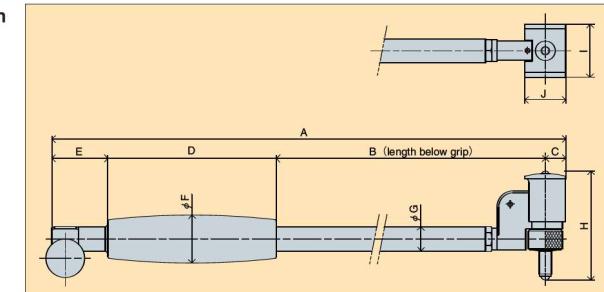
This is a compact cylinder gauge with a length below grip of 50 mm.

It is used when a standard item is too long to measure the object or a shorter length of below grip is required for conveniently.

Specifications are same as standard model.



Outer Dimension



Dimension

Model	A	B	C	D	E	F	G	H	I	J
CC-1	249	150	5.75	70	23	20	10	18~35	13	11.5
CC-2	251.5	150	8.5	70	23	20	10	35~60	22	17
CC-3	253	150	9	70	23	20	10	50~100	30	18
CC-3C	253	150	9	70	23	20	10	50~150	30	18
CC-4	370	250	12	85	23	25	13	100~160	50	24
CC-5	391.5	251.5	14	100	26	25	16	160~250	70	28
CC-6	540	400	14	100	26	25	16	250~400	100	28
CC-1S	150	50	5.75	70	23	20	10	18~35	13	11.5
CC-2S	151.5	50	8.5	70	23	20	10	35~60	22	17
CC-3S	152	50	9	70	23	20	10	50~100	30	18
CC-3CS	152	50	9	70	23	20	10	50~150	30	18

Short Size Cylinder Gauges

67

Cylinder Gauges (Blind Hole Type)

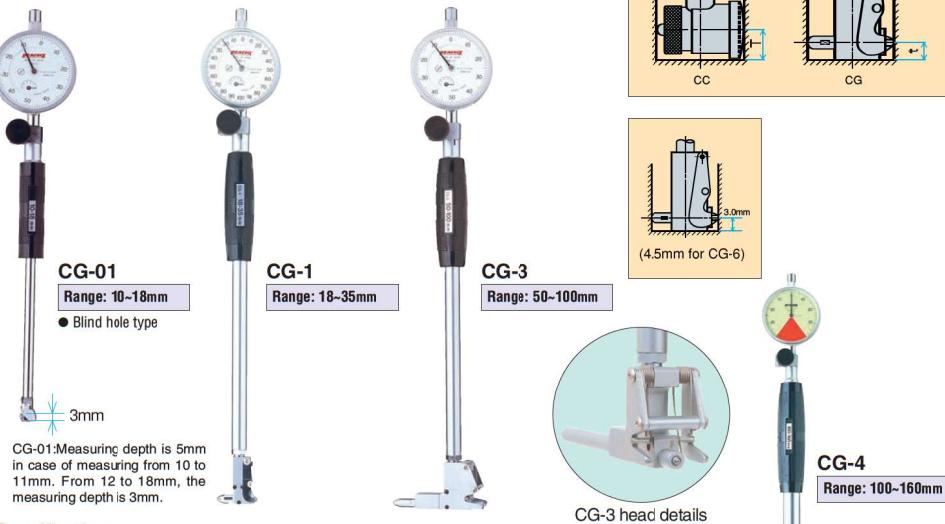
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CG series

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... $5\ \mu\text{m}$ or less
- Adjacent error..... $2\ \mu\text{m}$ or less
- Repeated accuracy..... $2\ \mu\text{m}$ or less
- Effective measuring range is 0.5 mm (CG-01)
- Effective measuring range is 1.2 mm (CG-1 to CG-6)



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.

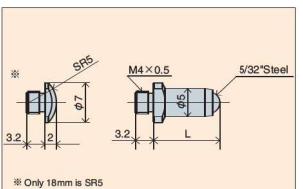
● List of special length below grip (available on request)

	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	○	○	○	○	○	

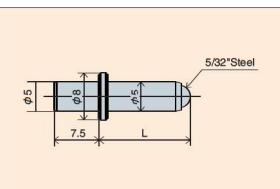
Dimensions for Feeler and Washer for Cylinder Gauges

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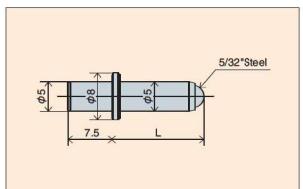
CC-1 Feeler



CC-2 Feeler



CC-3・3C Feeler

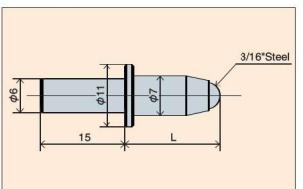


Model	Size (mm)	L (mm)
CC-1 Feeler	*18	2
	20	4
	22	6
	24	8
	26	10
	28	12
	30	14
	32	16
	34	18

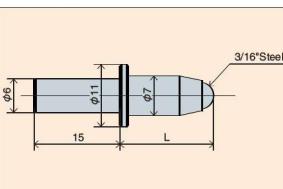
Model	Size (mm)	L (mm)
CC-2 Feeler	35	5
	40	10
	45	15
	50	20
	55	25
	60	30

Model	Size (mm)	L (mm)
CC-3・3C Feeler	50	5
	55	10
	60	15
	65	20
	70	25
	75	30
	80	35
	85	40
	90	45
	95	50
	100	55

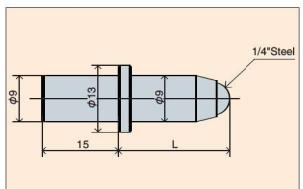
CC-4 Feeler



CC-5 Feeler



CC-6 Feeler

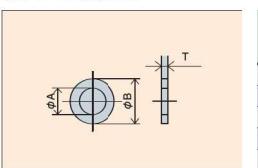


Model	Size (mm)	L (mm)
CC-4 Feeler	100	10
	110	20
	120	30
	130	40
	140	50
	150	60
	160	70

Model	Size (mm)	L (mm)
CC-5 Feeler	160	10
	170	20
	180	30
	190	40
	200	50
	210	60
	220	70
	230	80
	240	90
	250	100

Model	Size (mm)	L (mm)
CC-6 Feeler	250	10
	260	20
	270	30
	280	40
	290	50
	300	60
	310	70
	320	80
	330	90
	340	100
	350	110
	360	120
	370	130
	380	140
	390	150
	400	160

CC-1~6 Washer



Model	T(mm)	A(mm)	B(mm)
CC-1	0.5, 1	4.1	7
CC-2	1, 2, 3	5.1	8
CC-3・3C	1, 2, 3	5.1	8
CC-4	1, 2, 3, 4	6.1	10
CC-5	1, 2, 3, 4	6.1	10
CC-6	1, 2, 3, 4	9.1	13

Dimensions for Feeler and Washer for Cylinder Gauges

69