

ATEX Compliant

Air Cylinder/Standard type: Double acting, Single rod

Series 55-CG1

∅20, ∅25, ∅32, ∅40, ∅50, ∅63, ∅80, ∅100



II 2G Ex h IIC T5..T4 Gb
II 2D Ex h IIIC T94°C..T114°C Db

How to Order

Without magnet

55-CG1 L N 25 [] - 100 [] Z - XC85

With magnet

55-CDG1 L N 25 [] - 100 [] Z - XC85

ATEX category 2

Built-in magnet for auto switch

Mounting

B	Basic
Z	Basic (Without trunnion mounting female thread)
L	Axial foot
F	Rod side flange
G	Head side flange
U*1	Rod side trunnion
T*1	Head side trunnion
D	Clevis

- *1 Not available for bore sizes ∅80 or ∅100
- * Mounting brackets are shipped together, (but not assembled).
- * The cylinder for F, G, L, and D mounting types is Z: Basic (Without trunnion mounting female thread).

Cushion

N	Rubber cushion
A	Air cushion

Bore size

20	20 mm	50	50 mm
25	25 mm	63	63 mm
32	32 mm	80*2	80 mm
40	40 mm	100*2	100 mm

*2 Not available for made-to-order part number suffix "-XC10," "-XC11," or "-XC37"

Port thread type

Rubber cushion			Air cushion		
Nil	Rc	∅20 to ∅100	Nil	M5 x 0.8	∅20, ∅25
TN*3	NPT	∅20 to ∅100	Nil	Rc	∅32 to ∅100
TF*3	M5 x 0.8	∅20, ∅25	TN*3	NPT*4	∅32 to ∅100
	G	∅32 to ∅100	TF*3	G*4	∅32 to ∅100

*3 Not available for made-to-order part number suffix "-XC10," "-XC11," or "-XC37"
*4 Not available for bore sizes ∅20 and ∅25

Standard stroke (mm)

Bore size	Standard stroke ^{Note 1)}	Max. manufacturable stroke ^{Note 2)}
20	25, 50, 75, 100, 125, 150, 200	1500
25		
32		
40		
50	25, 50, 75, 100, 125, 150, 200	
63	250, 300	
80		
100		

Note 1) Intermediate strokes not listed above are produced upon receipt of order. The manufacturing of intermediate strokes in 1 mm increments is possible. (Spacers are not used.)

Note 2) Applicable strokes should be confirmed according to the usage. For details, refer to the "Air Cylinders Model Selection" on front matter pages of the Best Pneumatics No. 2 or the **Web Catalog**.

Made to Order

Nil	Standard
XA□□	Change of rod end shape
XC6	Made of stainless steel
XC10	Dual stroke cylinder/Double rod
XC11	Dual stroke cylinder/Single rod
XC37	Larger throttle diameter of connection port
XC85	Grease for food processing equipment

Note 1) "How to Order" for XC10, and XC11 are different from the above. ([Click here](#) for details).

Note 2) XC10 and XC11 are not applicable to XC85.

Rod end thread

Nil	Male rod end
F	Female rod end

All other specifications are the same as the standard products Series CG1. [Click here](#) for details.

Refer to page 69 for applicable auto switches.

ATEX Compliant

Air Cylinder/Standard type: Double acting, Double rod

Series 55-CG1W

∅20, ∅25, ∅32, ∅40, ∅50, ∅63, ∅80, ∅100



Ex	II 2G Ex h IIC T5..T4 Gb
	II 2D Ex h IIIC T94°C..T114°C Db

How to Order

Without magnet **55-CG1 W L N 25** - **100** **Z** - **XC85**

With magnet **55-CDG1W L N 25** - **100** **Z** - **XC85**

ATEX category 2

Built-in magnet for auto switch

Double Acting/Double Rod

Mounting

B	Basic
Z	Basic (Without trunnion mounting female thread)
L	Axial foot
F	Flange
U *1	Centre trunnion

- *1 Not available for bore sizes ∅80 and ∅100
- * Mounting brackets are shipped together, (but not assembled).
- * The cylinder for F and L mounting types is Z: Basic (Without trunnion mounting female thread).

Cushion

N	Rubber cushion
A	Air cushion

Bore size

20	20 mm	50	50 mm
25	25 mm	63	63 mm
32	32 mm	80	80 mm
40	40 mm	100	100 mm

Port thread type

Rubber cushion			Air cushion		
Nil	Rc	∅20 to ∅100	Nil	M5 x 0.8	∅20, ∅25
TN	NPT	∅20 to ∅100		Rc	∅32 to ∅100
TF	M5 x 0.8	∅20, ∅25	TN	NPT*2	∅32 to ∅100
	G	∅32 to ∅100	TF	G*2	∅32 to ∅100

*2 Not available for bore sizes ∅20 and ∅25

Standard stroke (mm)

Bore size	Standard stroke ^{Note 1)}	Max. manufacturable stroke ^{Note 2)}
20	25, 50, 75, 100, 125, 150, 200	1500
25	25, 50, 75, 100, 125, 150, 200, 250, 300	
32		
40		
50		
63		
80		
100		

Note 1) Intermediate strokes not listed above are produced upon receipt of order. The manufacturing of intermediate strokes in 1 mm increments is possible. (Spacers are not used.)

Note 2) Applicable strokes should be confirmed according to the usage. For details, refer to the "Air Cylinders Model Selection" on front matter pages of the Best Pneumatics No. 2 or the **Web Catalog**.

Made to Order

Nil	Standard
XC85	Food grade grease

Rod end thread

Nil	Male rod end
F	Female rod end

All other specifications are the same as the standard products Series CG1W. [Click here](#) for details.

Refer to page 69 for applicable auto switches.