

# ATEX Compliant

Air Cylinder/Standard type: Double acting, Single rod

# Series 55-CG1

ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100



CE 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>B</b>	Basic
<b>L</b>	Axial foot
<b>F</b>	Rod side flange
<b>G</b>	Head side flange
<b>U*</b>	Rod side trunnion
<b>T*</b>	Head side trunnion
<b>D</b>	Clevis

\* Not available for ø80 or ø100.  
 Note) Mounting brackets are shipped together, (but not assembled).

### Type

<b>N</b>	Rubber cushion
<b>A</b>	Air cushion

### Bore size

<b>20</b>	20 mm	<b>50</b>	50 mm
<b>25</b>	25 mm	<b>63</b>	63 mm
<b>32</b>	32 mm	<b>80</b>	80 mm
<b>40</b>	40 mm	<b>100</b>	100 mm

### Port thread type

Rubber cushion		
<b>Nil</b>	Rc	ø20 to ø100
<b>TN</b>	NPT	ø20 to ø100
<b>TF</b>	M5 x 0.8	ø20, ø25
	G	ø32 to ø100

### Air cushion

<b>Nil</b>	M5 x 0.8	ø20, ø25
	Rc	ø32 to ø100
<b>TN</b>	M5 x 0.8	ø20, ø25
	NPT	ø32 to ø100
<b>TF</b>	M5 x 0.8	ø20, ø25
	G	ø32 to ø100

### Made to Order

Nil	Standard
<b>XA</b> □□	Change of rod end shape
<b>XC6</b>	Made of stainless steel
<b>XC10</b>	Dual stroke cylinder/Double rod
<b>XC11</b>	Dual stroke cylinder/Single rod
<b>XC37</b>	Larger throttle diameter of connection port
<b>XC85</b>	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) Not available for rubber cushion type.

Note 3) XC10 and XC11 are not applicable to XC85.

### Cylinder stroke (mm)

Bore size (mm)	Standard stroke <sup>Note 1)</sup> (mm)	Long stroke <sup>Note 2)</sup> (mm)
<b>20</b>	25, 50, 75, 100, 125, 150, 200	201 to 350
<b>25</b>	25, 50, 75, 100, 125, 150, 200, 250, 300	301 to 400
<b>32</b>		301 to 450
<b>40</b>		301 to 800
<b>50, 63</b>		301 to 1200
<b>80</b>		301 to 1400
<b>100</b>		301 to 1500

Note 1) Manufacture of intermediate strokes at 1 mm intervals is possible. (Spacers are not used.)

Note 2) Long stroke is compatible with the axial foot and rod side flange types. When other mounting brackets are used or the long stroke exceeds the limit, the allowable maximum stroke length is determined using the stroke selection table ([Click here](#) for details).

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



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
L	Axial foot
F	Flange
U*	Centre trunnion

\* Not available for bore size ∅80 and ∅100.

Note) Mounting brackets are shipped together, (but not assembled).

Type

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

Nil	Rc	∅20 to ∅100
TN	NPT	∅20 to ∅100
TF	M5 x 0.8	∅20, ∅25
	G	∅32 to ∅100

Air cushion

Nil	M5 x 0.8	∅20, ∅25
	Rc	∅32 to ∅100
TN	M5 x 0.8	∅20, ∅25
	NPT	∅32 to ∅100
TF	M5 x 0.8	∅20, ∅25
	G	∅32 to ∅100

Made to Order

Nil	Standard
XC85	Food grade grease

Cylinder stroke (mm)

Bore size (mm)	Standard stroke <sup>Note 1)</sup> (mm)	Long stroke (mm)
20	25, 50, 75, 100, 125, 150, 200	201 to 350
25	25, 50, 75, 100, 125, 150, 200, 250, 300	301 to 400
32		301 to 450
40		301 to 800
50, 63		301 to 1200
80		301 to 1400
100		301 to 1500

Note 1) Manufacture of intermediate strokes at 1 mm intervals is possible. (Spacers are not used.)

Note 2) Long stroke is compatible with the axial foot and rod side flange types. When other mounting brackets are used or the long stroke exceeds the limit, the allowable maximum stroke length is determined using the stroke selection table ([Click here](#) for details).

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

Refer to page 69 for applicable auto switches.