

# ATEX Compliant

Air Cylinder/Standard type: Double acting, Single rod

# Series 55-CG1

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



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

- \*1 Not available for bore sizes ø80 or ø100
- \* 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

<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> *2	80 mm
<b>40</b>	40 mm	<b>100</b> *2	100 mm

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

Port thread type

Rubber cushion			Air cushion		
<b>Nil</b>	Rc	ø20 to ø100	<b>Nil</b>	M5 x 0.8	ø20, ø25
<b>TN</b> *3	NPT	ø20 to ø100	<b>Nil</b>	Rc	ø32 to ø100
<b>TF</b> *3	M5 x 0.8	ø20, ø25	<b>TN</b> *3	NPT*4	ø32 to ø100
	G	ø32 to ø100	<b>TF</b> *3	G*4	ø32 to ø100

\*3 Not available for made-to-order part number suffix "-XC10," "-XC11," or "-XC37"

\*4 Not available for bore sizes ø20 and ø25

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) XC10 and XC11 are not applicable to XC85.

Rod end thread

<b>Nil</b>	Male rod end
<b>F</b>	Female rod end

Standard stroke (mm)

Bore size	Standard stroke <sup>Note 1)</sup>	Max. manufacturable stroke <sup>Note 2)</sup>
<b>20</b>	25, 50, 75, 100, 125, 150, 200	1500
<b>25</b>	25, 50, 75, 100, 125, 150, 200, 250, 300	
<b>32</b>		
<b>40</b>		
<b>50</b>		
<b>63</b>		
<b>80</b>		
<b>100</b>		

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**.

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>B</b>	Basic
<b>Z</b>	Basic (Without trunnion mounting female thread)
<b>L</b>	Axial foot
<b>F</b>	Flange
<b>U</b> *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

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

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

Standard stroke (mm)

Bore size	Standard stroke <sup>Note 1)</sup>	Max. manufacturable stroke <sup>Note 2)</sup>
<b>20</b>	25, 50, 75, 100, 125, 150, 200	1500
<b>25</b>		
<b>32</b>		
<b>40</b>		
<b>50</b>	25, 50, 75, 100, 125, 150, 200	
<b>63</b>	250, 300	
<b>80</b>		
<b>100</b>		

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

<b>Nil</b>	Standard
<b>XC85</b>	Food grade grease

Rod end thread

<b>Nil</b>	Male rod end
<b>F</b>	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.