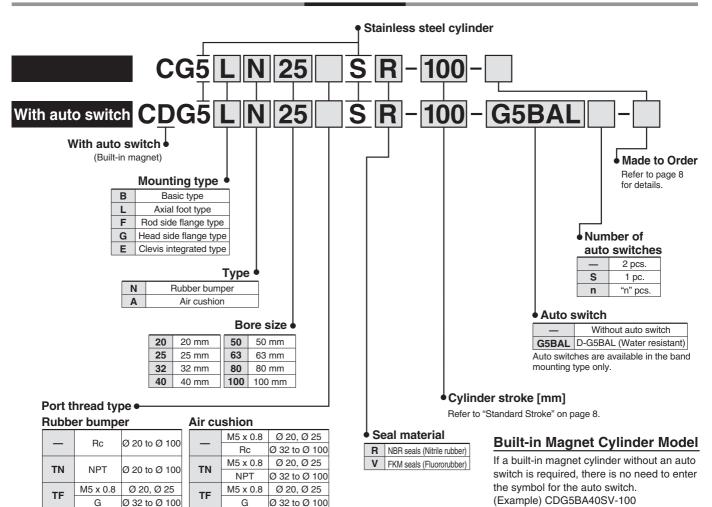
Stainless Steel Cylinder: Standard Type Double Acting, Single Rod

CG5-S Series

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





Applicable Auto Switches/Refer to website www.smc.eu for further information on auto switches.

	Туре	Special function	Electrical entry	Indicator light	Wiring (Output)	Load vo		Auto switch model	Lead wire I 3 (L)	ength (m)* 5 (Z)	Pre-wired connector	Applicable load
S	folid state auto switch	Water resistant (2-colour indicator)	Grommet	Yes	2-wire	24 V	12 V	G5BA	•	0	0	Relay, PLC

^{*} Lead wire length symbols: 3 m------L (Example) G5BAL 5 m-----Z (Example) G5BAZ

Mounting Bracket Part No.

modifieng bracket rate no.											
Mounting	Min. order		Description								
bracket		20	25	32	40	50	63	80	100	Description	
Axial foot	2 Note)	CG-L020SUS	CG-L025SUS	CG-L032SUS	CG-L040SUS	CG-L050SUS	CG-L063SUS	CG-L080SUS	CG-L100SUS	Foot x 2 Bracket mounting bolt x 4	
Flange	1	CG-F020SUS	CG-F025SUS	CG-F032SUS	CG-F040SUS	CG-F050SUS	CG-F063SUS	CG-F080SUS	CG-F100SUS	Flange x 1 Bracket mounting bolt x 4	
Pivot bracket	1	CG-E020SUS		CG-E032SUS		CG-E050SUS		CG-E0	80SUS	Clevis pin x 1 Retaining ring x 2	

Note) When ordering the foot bracket, order 2 pcs. per cylinder.

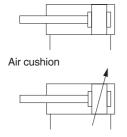


 $[\]ast$ Solid state auto switches marked with " \bigcirc " are produced upon receipt of order.

[•] For details about auto switches with pre-wired connector, refer to website, www.smc.eu.

Stainless Steel Cylinder: Standard Type Double Acting, Single Rod CG5-S Series

Symbol Double acting, Single rod, Rubber bumper





Symbol	Specifications
-ХА□	Change of rod end shape
-XB6	Heat resistant cylinder (150 °C)*

* Heat resistant grease (non-food grease) is used.

Specifications

Bore size [mm]	20	25	32	40	50	63	80	100		
Action	Double acting, Single rod									
Fluid	Air									
Proof pressure	1.5 MPa									
Maximum operating pressure	1.0 MPa									
Minimum operating pressure	0.05 MPa									
Ambient and fluid temperature	Without auto switch: -10 to 70 °C With auto switch: -10 to 60 °C									
Cushion	Rubber bumper, Air cushion									
Lubrication	Not required (Non-lube)									
Piston speed	50 to 1000 mm/s						50 to 700 mm/s			
Stroke length tolerance	Up to $1000^{\text{st}} + {}^{1.4}_{0}$ mm, Up to $1500^{\text{st}} + {}^{1.8}_{0}$ mm									
Mounting type	Basic type, Axial foot type, Rod side flange type, Head side flange type, Clevis integrated type									

Standard Stroke

[mm]

Bore size	Standard stroke Note 1)	Maximum manufacturable stroke Note 2)				
20	25, 50, 75, 100, 125, 150, 200	201 to 1500				
25						
32						
40	05 50 75 400 405					
50	25, 50, 75, 100, 125, 150, 200, 250, 300	301 to 1500				
63	130, 200, 230, 000					
80						
100						

- Note 1) Other intermediate strokes can be manufactured upon receipt of order. Manufacture of intermediate strokes in 1 mm increments is possible. (Spacers are not used.)
- Note 2) The maximum manufacturable stroke shows the long stroke.
- Note 3) Applicable strokes should be confirmed according to the usage. For details, refer to "Air Cylinders Model Selection" on front matter pages. In addition, the products that exceed the standard stroke might not be able to fulfill the specifications due to the deflection etc.

Accessory/For details, refer to page 18.

Mounting

Pivot bracket (With pin and retaining ring)

Rod end nut

• "Supplied with the product. O"Please order separately. Clevis Basic Axial Rod side Head side integrated type foot type flange type flange type type Single knuckle joint 0 \bigcirc \bigcirc \bigcirc 0 Double knuckle joint (With pin & retaining ring) \bigcirc 0 \bigcirc 0 \bigcirc

Weight

Option

									[kg]
	Bore size [mm]	20	25	32	40	50	63	80	100
ħ	Basic type	0.34	0.42	0.59	1.03	1.84	2.81	5.27	8.25
weight	Axial foot type	0.49	0.59	0.77	1.25	2.24	3.35	6.05	9.70
Basic	Flange type	0.44	0.51	0.69	1.16	2.16	3.28	5.86	9.30
Ba	Clevis integrated type	0.40	0.48	0.72	1.21	2.30	3.40	6.83	10.28
Pivot bracket		0.08	0.08	0.18	0.18	0.46	0.46	1.65	1.65
Single knuckle joint		0.04	0.07	0.07	0.11	0.22	0.22	0.53	0.78
Do	uble knuckle joint (with pin)	0.05	0.09	0.09	0.18	0.33	0.33	0.73	1.07
Add	litional weight per each 50 mm of stroke	0.06	0.08	0.14	0.18	0.27	0.33	0.50	0.73
Ad	ditional weight with air cushion	0.02	0.02	0.02	0.02	0.05	0.10	0.22	0.24

Calculation: (Example) CG5LA 20SR-100

(Foot type Ø 20, 100 stroke)

- ···· 0.49 kg (Foot type Ø 20) • Basic weight
- Additional stroke weight ----- 0.06 kg/50 ST
- Additional air cushion weight 0.02 kg $0.49 + 0.06 \times 100/50 + 0.02 = 0.63 \text{ kg}$



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