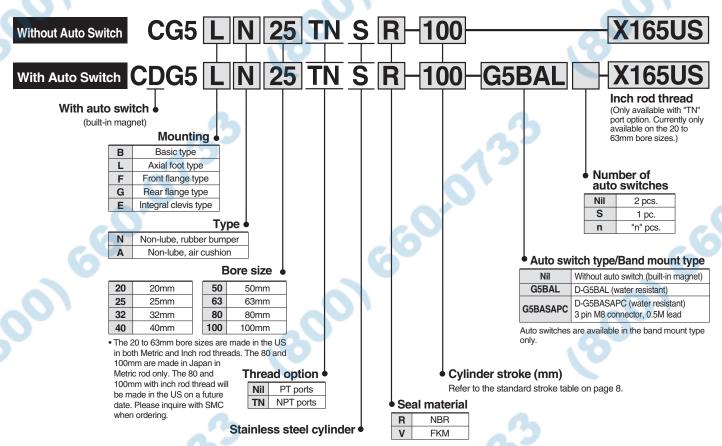
Stainless Steel Cylinder

Series CG5-S

Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

How to Order



Mounting bracket part numbers

				Bore siz	ze (mm)			
Mounting bracket	20	25	32	40	50	63	80	100
Axial foot Note 1)	CG-L020SUS	CG-L025SUS	CG-L032SUS	CG-L040SUS	CG-L050SUS	CG-L063SUS	CG-L080SUS	CG-L100SUS
Flange	CG-F020SUS	CG-F025SUS	CG-F032SUS	CG-F040SUS	CG-F050SUS	CG-F063SUS	CG-F080SUS	CG-F100SUS
Trunnion bracket Note 2)	CG-E0	20SUS	CG-E0	32SUS	CG-E0	CG-E050SUS		80SUS

Note 1) Order two foot brackets for each cylinder.

Note 2) Includes clevis pin and snap ring.

Auto switch mounting bracket part numbers (band mount type)

ĺ	Auto switch	Bore size (mm)							
	model	20	25	32	40	50	63	80	100
	D-G5BA	NBA- 088S	NBA- 106S	BGS1 -032S	BAF -04S	BAF -05S	BAF -06S	BAF -08S	BAF -10S

^{*} Includes stainless steel mounting screws.

Rod and Porting Combinations

Combination	Bore Size
Metric Rod / PT Ports	20 to 100mm
Metric Rod / NPT Ports (TN Option Only)	20 to 100mm
Inch Rod / NPT Ports (TN & X165US Option)	20 to 63mm

Grease pack for stainless steel cylinders/Part number: GR-R-010 (10g)

Auto switch specifications

D-G5BA (With indicator light)/Band mount type						
Auto switch model	D-G5BA					
Wiring type	2 wire					
Output type	_					
Applicable load	24VDC relay, PLC					
Power supply voltage	490					
Current consumption	_					
Load voltage	24VDC (10 to 28VDC)					
Load current	5 to 40mA					
Internal voltage drop	4V or less					
Leakage current	0.8mA or less at 24VDC					
Indicator light	Actuated position					

- Use caution during operation as residue may collect on auto switches.
- Refer to pages 15 through 17 for auto switch related items.
- Auto switches with M8 and M12 connectors are available as standard product. See page 17 for other options besides lead wire.



Stainless Steel Cylinder Series CG5-S

Specifications



JIS symbol Double acting/Single rod



Minimum stroke for mounting auto switches

Model	Number of auto switches					
Model	2 pcs.	1 pc.				
D-G5BA	15mm	10mm				

Refer to page 15 for details.

8001

1 1						
Action		Double acting single rod				
Fluid		Air				
Proof pressure		1.5MPa				
Maximum operating pro	essure	1.0MPa				
Minimum operating pre	ssure	0.05MPa				
Ambient and fluid temperature		Without auto switch: -10 to 70°C, With auto switch: -10 to 60°C				
Cushion		Rubber bumper, Air cushion				
Distantanced	ø 20 to ø 63	50 to 1000mm/s				
Piston speed	ø 80 , ø 100	50 to 700mm/s				
Thread tolerance		JIS class 2				
0	ø 20 to ø 63	to 1000 ^{+1.4} mm, to 1200 ^{+1.5} mm				
Stroke length tolerance		to 1000 ^{+1.4} mm, to 1500 ^{+1.5} mm				
Mounting		Basic type, Axial foot type, Front flange type, Rear flange type, Integral clevis type				

Standard Strokes

Bore size	Standard stroke Note 1)	Long stroke
20	25, 50, 75, 100, 125, 150, 200	201 to 350
25		301 to 400
32	O	301 to 450
40	25, 50, 75, 100, 125, 150, 200, 250, 300	301 to 800
50, 63	25, 50, 75, 100, 125, 150, 200, 250, 500	301 to 1200
80		301 to 1400
100		301 to 1500

Note 1) All non-standard strokes are produced upon receipt of order. (Spacers are not used on intermediate strokes.)

Accessories

Mounting		Basic type		Axial foot type	Front flange type	Rear flange type	Integral clevis type
Standard	Rod end nut	F.	•	•	•	•	•
	Single knuckle joint		•	•	•	•	•
Optional	Double knuckle joint (with pin & snap ring)	-	•	•	•	•	•
	Trunnion bracket (with pin & snap ring)		_	_	_	_	•

Weights

	Bore size	20	25	32	40	50	63	80	100
ight	Basic type	0.32	0.42	0.61	0.97	1.78	2.73	5.20	8.13
d we	Axial foot type	0.40	0.53	0.72	1.13	2.12	3.19	5.91	9.50
Standard weight	Flange type	0.43	0.53	0.71	1.12	2.04	3.25	5.86	9.29
Star	Integral clevis type	0.37	0.48	0.72	1.12	2.17	3.26	6.48	9.94
Tı	Trunnion bracket		0.08	0.18	0.18	0.46	0.46	1.65	1.65
Si	Single knuckle joint		0.07	0.07	0.11	0.22	0.22	0.53	0.78
D	Double knuckle joint (with pin)		0.09	0.09	0.18	0.33	0.33	0.73	1.07
Α	Additional weight per 50mm of stroke		0.08	0.14	0.18	0.27	0.33	0.50	0.73
Α	Additional weight with air cushion		0.02	0.03	0.02	0.06	0.07	0.14	0.16

Calculation (Example) CG5LA 20SR-100

(Foot type ø20, 100mm stroke)

- Air cylinder stroke100mm
- Additional air cushion weight 0.02kg $0.40 + 0.06 \times 100/50 + 0.02 = 0.54$ kg

