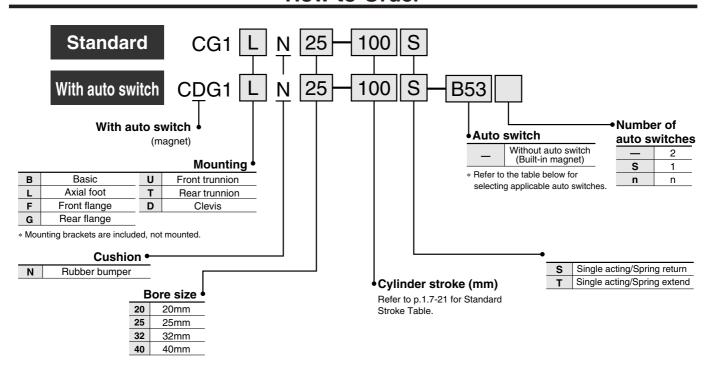
Standard: Single Acting Spring Return/Extend

Series CG1

ø20, ø25, ø32, ø40

How to Order



Applicable Auto Switches/Refer to p.5.3-2 for further information on auto switch

Floats				Wiring	Load vol		tage			Lea	Lead wire		۱) ˜	Applicable	
Style	Special function	Electrical entry	Indicator	(output)	DC		AC	Auto swi	tch model	0.5 (-)	3 (L)	5 (Z)	None (N)		ad
				3 wire (NPN)	_	5V	_	C76	_	•	•	_	-	IC	_
					_	_	_	_	B53	•	•	•		_	PLC
چ		Grommet	Yes				200V	_	B54	•	•	•			
Reed switch							or less	_	B64	•	•	_			
8				2 wire		12V	100V	C73	_	•	•	•	_		
ee			No	2 WIIE	24V	5V, 12V	100V or less	C80	_	•	•	_	_	IC	Relay
Œ		Connector	Yes			12V	_	C73C	_	•	•	•		_	
			No	- 1		5V, 12V	24V or less	C80C	_	•	•	•		IC	
	Diagnostic indication (2 colour)	Grommet	Yes					_	B59W	•	•	_	_		
	_	Grommet		2 wire		12V			K59	•	•	0			
			t	3 wire (NPN)		5V, 12V		H7A1	G59	•	•	0		IC	
				3 wire (PNP) 2 wire)	34, 124		H7A2	G5P	•	•	0	-	10	
듯						12V		H7B	_	•	•	0		_	
Solid state switch				2 WIIE		120		H7C	_	•	•	•			
e s				3 wire (NPN)		5V, 12V		H7NW	G59W	•	•	0	_	IC	Relay
tat	Diagnostic indication (2 colour)		Yes	3 wire (PNP)	24V	5V, 12V	_	H7PW	G5PW	•	•	0	-	10	PLC
ig	(2 colour)			2 wire		12V		H7BW	K59W	•	•	0		_	
Sol	Water resistant (2 colour)	Grommet		2 WIIE		120		H7BA	G5BA	<u> </u>	•	0	_		
	With timer			3 wire (NPN)		EV 10V		_	G5NT		•	0		IC	
[Diagnostic output (2 colour)			4 wire		5V, 12V		H7NF	G59F	•	•	0	$\lfloor - \rfloor$	10	
	Latch with diagnostic output (2 colour)			(NPN)				H7LF	_	•	•	0			

^{*} Solid state switches marked with "O" are manufactured upon receipt of order.

Standard: Single Acting Spring Return/Extend Series CG1



Spring return



Spring extend

Specifications

			_
Action	Single acting/Spring return	Single acting/Spring extend	_
Bore size (mm)	20, 25,	32, 40	
Lubrication	Non-	lube	-
Fluid	A	ir	-
Proof pressure	1.51	Л Ра	-
Max. operating pressure	1.01	л Ра	-
Min. operating pressure	0.18MPa	0.23MPa	
A male is make a med filt tild the many a waste two	Without auto switch: -10°	C to +70°C (No freezing)	CJ1
Ambient and fluid temperature	With auto switch: -10°C	CJP	
Piston speed	50 to 10	00mm/s	CUP
Stroke tolerance	Up to 20	0 ^{+1.4} mm	CJ2
Thread tolerance	JIS cl	ass 2	
Cushion	Rubber	bumper	CM2
Mounting	Basic, Axial foot, Front flange Rear flange, Front trunnion, Rear trunnion, Clevis	,	C85
	(Used for changing the port lo	cation by 90° degrees.)	C76

Accessories

	Mounting	Basic	Axial foot	Front flange	Rear flange	Front trunnion	Rear trunnion	Clevis
Standard	Rod end nut	•	•	•	•	•	•	•
Sianuaru	Clevis pin	_	_	_	_	_	_	•
	Single knuckle joint	•	•	•	•	•	•	•
Option	Double knuckle joint* (with pins)	•	•	•	•	•	•	•
	Pivot bracket	_	_	_	_	•	•	•

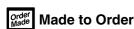
^{*} Pins and snap rings for double knuckle joint are included, not mounted.

Spring return



JIS symbol





Refer to p.5.4-1 for made to order products of series CG1.

Stroke

Bore size (mm)	Standard stroke (mm) ⁽¹⁾
20	25, 50, 75, 100, 125
25, 32, 40	25, 50, 75, 100, 125, 150, 200

Note 1) Other intermediate strokes can be manufactured upon receipt of order. Spacers are not used for the intermediate strokes.

Mounting Bracket Part No.

Mounting		Bore size (mm)									
bracket	20	25	32	40							
Axial foot*	CG-L020	CG-L025	CG-L032	CG-L040							
Flange	CG-F020	CG-F025	CG-F032	CG-F040							
Trunnion pin	CG-T020	CG-T025	CG-T032	CG-T040							
Clevis**	CG-D020	CG-D025	CG-D032	CG-D040							
Pivot bracket	CG-020-24A	CG-025-24A	CG-032-24A	CG-040-24A							

^{*} Order two foot brackets per a cylinder.

^{**} Mounting bolts are attached for foot and flange styles, and clevis pins, snap rings and mounting bolts for the clevis style.



Be sure to read before handling.
Refer to p.0-39 to 0-43 for Safety Instructions and common precautions.
Refer to p.1.7-6 for precautions for series CG1.

Auto Switch Mounting Bracket Part No.

Auto switch		Bore size (mm)									
model	20	25	32	40							
D-C7·C8	BMA2-020	BMA2-025	BMA2-032	BMA2-040							
D-H7	DIVIAZ-UZU	DIVIAZ-UZS	DIVIAZ-U3Z	DIVIAZ-040							
D-B5-B6	BA-01	BA-02	BA-32	BA-04							
D-G5·K5	DA-01	DA-02	DA-32	DA-04							



Note) A set of following stainless steel mounting screws is attached.

(A switch mounting band is not attached. Please order the band separately.) BBA3: D-B5/B6/G5 types

BBA4: D-C7/C8/H7 types
"D-G5BAL" and "D-H7BAL"switches are set on the cylinder with the screws above when shipped.

When a switch only is shipped, "BBA3" or "BBA4" screws are attached.



CG₁

MB

MB₁

CP95

C95

C92

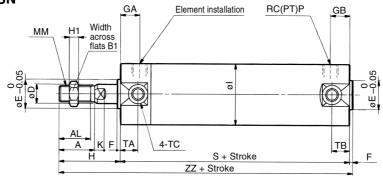
CA₁

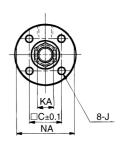
CS₁

Series CG1

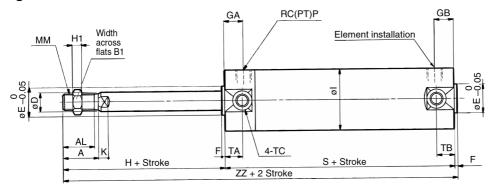
Basic

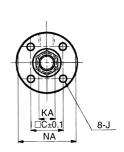
Spring return/CG1BN





Spring extend/CG1BN





(mm)

																			(111111)
Bore (mm)	Stroke range (mm)	Α	AL	B1	O	D	Е	F	GA	GB	Η	H1	1	J	K	KA	ММ	NA	Р
20	Up to 125	18	15.5	13	14	8	12	2	12	10	35	5	26	M4 Depth 7	5	6	M8	24	1/8
25	Up to 200	22	19.5	17	16.5	10	14	2	12	10	40	6	31	M5 Depth 7.5	5.5	8	M10 X 1.25	29	1/8
32	Up to 200	22	19.5	17	20	12	18	2	12	10	40	6	38	M5 Depth 8	5.5	10	M10 X 1.25	35.5	1/8
40	Up to 200	30	27	19	26	16	25	2	13	10	50	8	47	M6 Depth 12	6	14	M14 X 1.5	44	1/8

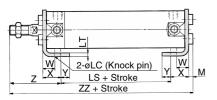
Bore	TA	тв	тс	1 to	50st	51 to	100st	101 to	125st	126 to	200st
(mm)	I A	I I B	10	S	ZZ	S	ZZ	S	ZZ	S	ZZ
20	11	11	M5	94	131	119	156	144	181	_	_
25	11	11	M6 X 0.75	94	136	119	161	144	186	169	211
32	11	10	M8 X 1.0	96	138	121	163	146	188	171	213
40	12	10	M10 X 1.25	103	155	128	180	153	205	178	230

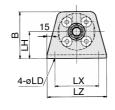
With Mounting Bracket



Note) The drawing below shows the single acting/spring return style. The rod is retracted in case of the spring extend style

Axial foot/CG1LN





Axial foot

	Bore mm)	Stroke range (mm)	В	М	LC	LD	LH	LT	LX	LZ	W	Х	Υ	Z
2	20	Up to 125	34	3	4	6	20	3	32	44	10	15	7	47
2	25	Up to 200	38.5	3.5	4	6	22	3	36	49	10	15	7	52
-3	32	Up to 200	45	3.5	4	6.6	25	3	44	58	10	16	8	53
	40	Up to 200	54.5	4	4	6.6	30	3	54	71	10	16.5	8.5	63.5

Bore	1 to	50st	51 to	100st	101 to	125st	126 to 200st		
(mm)	LS	ZZ	LS	ZZ	LS	ZZ	LS	ZZ	
20	70	135	95	160	120	185	_	_	
25	70	140.5	95	165.5	120	190.5	145	215.5	
32	70	142.5	95	167.5	120	192.5	145	217.5	
40	76	160	101	185	126	210	151	235	