SNC Information

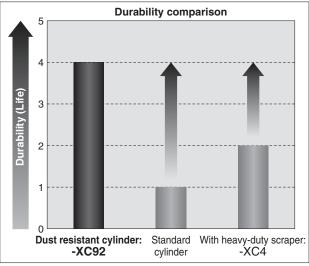
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09-EU558-UK D-DN Printing OZ 12450SZ

Dust Resistant Cylinder Series CM2/CQS/CQ2/MGP-XC92

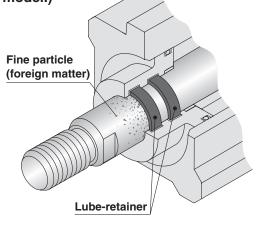
- Applicable for environments with flying micro-powder such as ceramic powder, toner powder, paper powder, and metallic powder (except weld spatter).
- 4 times stronger than the standard model

Comparison with the standard model and model with heavy-duty scraper (-XC4) (Relative ratio of B₁₀)



* The durability test is conducted in accordance with SMC test conditions.

- 2 Lube-retainers on the rod cover prevent micro-powder of 30 μm or less from entering.
- The Lube-retainers create coat with grease on the piston rod for improving durability.
- The full length dimensions of the CQ2 and MGP series are compatible with models with a heavy-duty scraper (-XC4). (The CM2 series dimensions are the same as the standard model.)



Series CQ2-XC92

Applicable CylinderCompact Cylinder/
Compact TypeCompact CylinderCompact CylinderImage: Series CM2-XC92
020 to 040Series CQ3-XC92
012 to 025Series CQ2-XC92
032 to 0100Series MGP-XC92
012 to 0100

Specifications

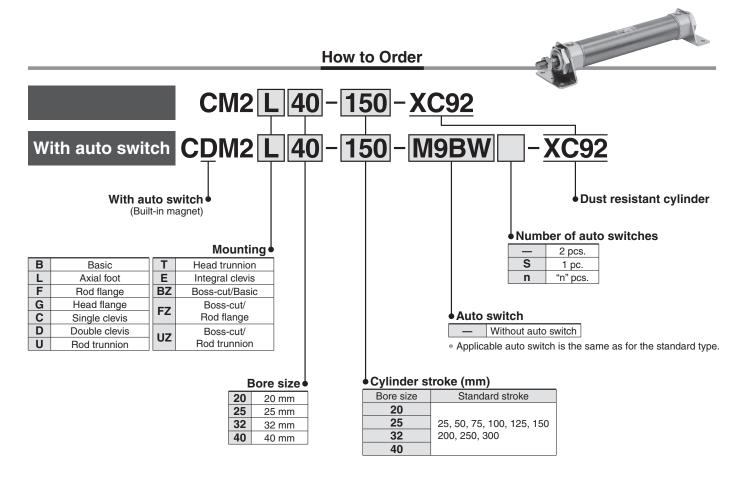
Applicable series	Bore size (mm)	Minimum operating pressure
CM2	ø20 to ø40	0.1 MPa
CQS	ø12, ø16	0.14 MPa
CQS	ø20, ø25	0.1 MPa
CQ2	ø32 to ø100	0.1 MPa

Applicable series	Bore size	(mm)	Minimum operating pressure		
MGP	-XC92	ø12, ø16	0.2 MPa		
	(With lube-retainers on one side)	ø20 to ø100	0.15 MPa		
MGP	-XC92W (With lube-retainers on both sides)	ø12, ø16	0.25 MPa		
		ø20 to ø100	0.2 MPa		

Specifications other than above are the same as standard model.



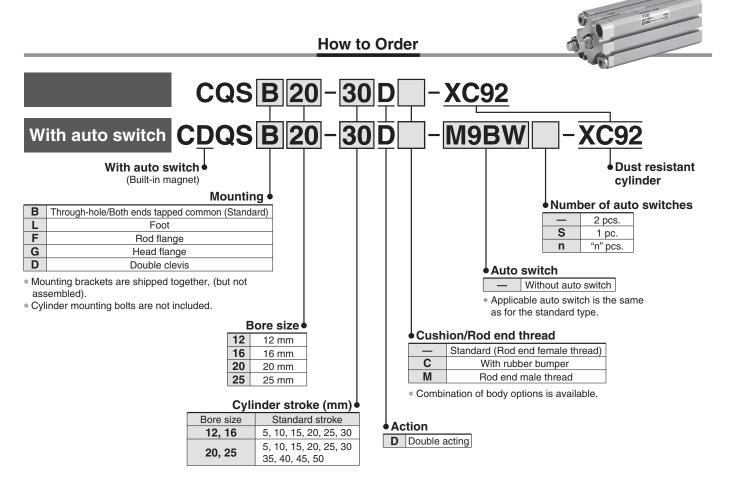
Dust Resistant Cylinder Series CN2-XC92 ø20, ø25, ø32, ø40



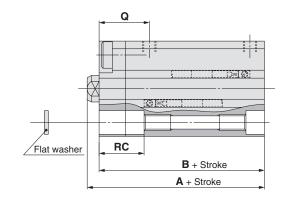
Dimensions

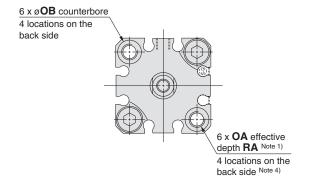
The CM2 series dimensions are the same as the standard model.

Dust Resistant Cylinder **CQS-XC92** Series ø12, ø16, ø20, ø25



Dimensions (Other dimensions are the same as the standard type.)





Note 1) For the standard type ø12 and ø16 with 5 strokes, ø20 with 15 strokes or less, and ø25 with 5 or 10 strokes, and for models with an auto switch and built-in magnet of ø20 with 5 strokes, the through-hole is threaded over the entire length.

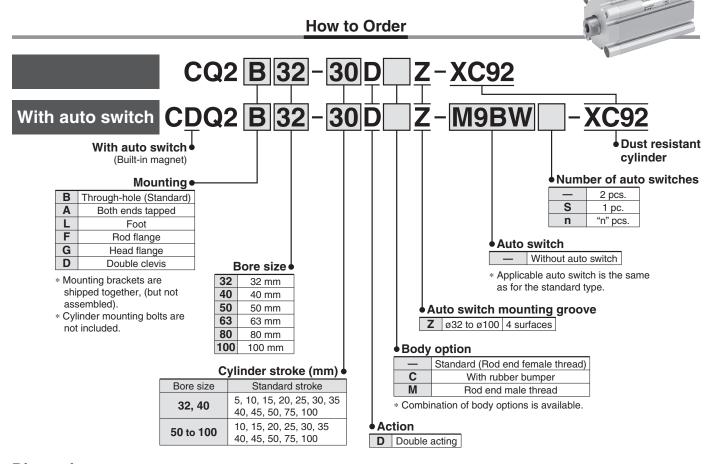
Note 2) Be sure to use the attached flat washer for mounting cylinder with through-holes.

Note 3) For models with a rubber bumper, the stroke tolerance does not include bumper deflection.

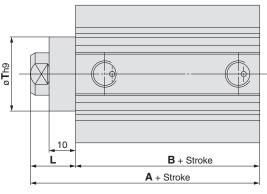
Note 4) 2 locations on the back side for the standard-type ø20 with 15 strokes or less and ø25 with 5 strokes, and for models with an auto switch and built-in magnet.

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Bore size	Α		A B		Q	OA	ОВ	RA	RC
(mm)	Without auto switch	With auto switch	Without auto switch	With auto switch	Q	UA	OB	пА	nc
12	30.5	35.5	27	32	17.5	M4 x 0.7	6.5	7	14
16	30.5	35.5	27	32	17.5	M4 x 0.7	6.5	7	14
20	34	44	29.5	39.5	19	M6 x 1.0	9	10	17
25	37.5	47.5	32.5	42.5	21	M6 x 1.0	9	10	17

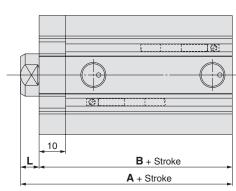
Dust Resistant Cylinder *Series CQ2-XC92* ø32, ø40, ø50, ø63, ø80, ø100

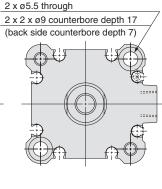


Dimensions (Other dimensions are the same as the standard type.)



ø40 to ø100



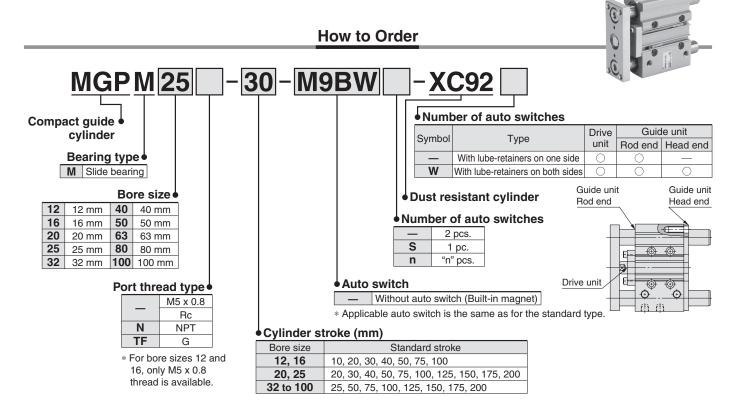


ø**32**

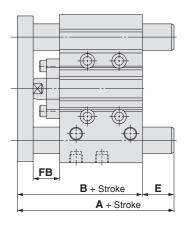
- Note 1) For models with a rubber bumper, the stroke tolerance does not include bumper deflection.
- Note 2) Dimensions in () indicates 75 st and 100 st

		(mm)				
Bore size	A		E		т	
(mm)	Without auto switch	With auto switch	Without auto switch	With auto switch	Ŀ	I.
32	40 (50)	50	33 (43)	43	7	
40	46.5 (56.5)	56.5	29.5 (39.5)	39.5	17	28
50	48.5 (58.5)	58.5	30.5 (40.5)	40.5	18	35
63	54 (64)	64	36 (46)	46	18	35
80	63.5 (73.5)	73.5	43.5 (53.5)	53.5	20	43
100	75 (85)	85	53 (63)	63	22	59

Dust Resistant Cylinder *Series MGP-XC92* ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100







With lube-retainers on one side

Dava sina	Α			1		
Bore size (mm)	50 st or less	Over 50 st and 200 st or less*	В	50 st or less	Over 50 st and 200 st or less*	FB
12	52	70.5	52	0	18.5	15
16	56	74.5	56	0	18.5	15
20	63	94.5	63	0	31.5	16
25	63.5	95	63.5	0	31.5	16
32	97	112	69.5	27.5	42.5	20
40	97	112	76	21	36	20
50	106.5	128	82	24.5	46	22
63	106.5	128	87	19.5	41	22
80	125	152	106.5	18.5	45.5	28
100	147	172	126	21	46	35

FT EW + Stroke

With lube-	retainers	(mm)				
Bore size (mm)	AW	EW	FT MT		нт	
12	63	6	5	5	57	
16	67	6	5	6	64	
20	74	6	5	6	80	
25	74.5	6	5	7	93	
32	82.5	7	6	9	110	
40	89	7	6	9	118	
50	95	7	6	11	146	
63	100	7	6	11	160	
80	120.5	8	6	14	200	
100	143	8	9	16	236	

* The standard stroke for ø12 and ø16 is 100 st.

(mm)

▲ Safety Instructions

These safety instructions are intended to prevent hazardous situations and/or equipment damage. These instructions indicate the level of potential hazard with the labels of "Caution," "Warning" or "Danger." They are all important notes for safety and must be followed in addition to International Standards (ISO/IEC)*1), and other safety regulations.



possible failure by using a mechanical protective function, and periodical checks to confirm proper operation.

Be sure to read "Handling Precautions for SMC Products" (M-E03-3) before using. A Safety Instructions

assure that all local rules governing that export are known and followed.

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SMC CORPORATION Akihabara UDX 15F, 4-14-1, Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN Phone: 03-5207-8249 FAX: 03-5298-5362 1st printing PR printing PR 00 Printed in Spain Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.