

# Made to Order Common Specifications: -XC6: Made of Stainless Steel



## 18 Made of Stainless Steel

Suitable for the cases it is likely to generate rust by being immersed in the water and corrosion.

### Applicable Series

Series	Description	Model	Action	Vol. no. (for std model)
CM2	Air cylinder	CM2-Z	Double acting, Single rod Single acting (Spring return/extend)	②-1 From P. 172
		CM2W-Z	Double acting, Double rod	
	Non-rotating rod type	CM2K-Z	Double acting, Single rod Single acting (Spring return/extend)	
		CM2KW-Z	Double acting, Double rod	
	Direct mount type	CM2R-Z	Double acting, Single rod	
	Non-rotating rod, Direct mount type	CM2RK-Z	Double acting, Single rod	
	Centralized piping type	CM2□□P	Double acting, Single rod	
	Smooth cylinder	CM2Y-Z	Double acting, Single rod	
	Air-hydro type	CM2H-Z	Double acting, Single rod	
	Direct mount type, air-hydro type	CM2RH-Z	Double acting, Single rod	
End lock cylinder	CBM2	Double acting, Single rod		
CG1	Air cylinder	CG1-Z	Double acting, Single rod Single acting (Spring return)	②-1 From P. 292
	Double rod type	CG1W-Z	Double acting, Double rod	
	Direct mount type	CG1R-Z	Double acting, Single rod	
	Smooth cylinder	CG1Y-Z	Double acting, Single rod	
MB <sup>(2)</sup>	Air cylinder	MB-Z <sup>(4)</sup>	Double acting, Single rod	②-1 From P. 392
		MBW-Z <sup>(4)</sup>	Double acting, Double rod	
MB1 <sup>(2)</sup>	Air cylinder	MB1-Z <sup>(4)</sup>	Double acting, Single rod	②-1 From P. 440
		End lock cylinder	CB2A <sup>(1)</sup>	
CA2 <sup>(2)</sup>	Air-hydro type	CA2□H	Double acting, Single rod	②-1 From P. 470
		CA2W□H	Double acting, Double rod	
CS1 <sup>(2)</sup>	Air cylinder	CS1	Double acting, Single rod	②-1 From P. 530
		Air-hydro type	CS1W	
	Air-hydro type	CS1□H	Double acting, Single rod	

Series	Description	Model	Action	Vol. no. (for std model)
CQS	Compact cylinder	CQS	Double acting, Single rod Single acting (Spring return/extend)	②-1 From P. 693
		CQSW	Double acting, Double rod	
	Non-rotating rod type	CQSK	Double acting, Single rod	
	Lateral load resisting type	CQS□S	Double acting, Single rod	
CQ2	Compact cylinder	CQ2-Z	Double acting, Single rod Single acting (Spring return/extend)	②-1 From P. 773
		CQ2W-Z	Double acting, Double rod	
	Axial piping type (Centralized piping type)	CQP2	Double acting, Single rod Single acting (Spring return/extend)	
	Long stroke	CQ2-Z	Double acting, Single rod	
	Lateral load resisting type	CQ2□S-Z	Double acting, Single rod	
	Water-resistant compact cylinder	CQ2□□-Z	Double acting, Single rod	
	Water resistant, axial piping	CQP2□□-Z	Double acting, Single rod	
MU	Plate cylinder	MU-Z	Double acting, Single rod	②-1 From P. 1036
		CVM5	Double acting, Single rod	
CV	Valve mounted air cylinder	CVM5K	Double acting, Single rod	②-3 From P. 771
		CV3	Double acting, Single rod	
		CVS1	Double acting, Single rod	
MGP	Compact guide cylinder	MGP-Z	Double acting	②-2 From P. 432
MGG	Guide cylinder	MGG	Double acting, Single rod	②-2 From P. 538
MGC	Guide cylinder	MGC	Double acting	②-2 From P. 578
CXS	Dual rod cylinder	CXSM	Double acting	②-2 From P. 749
CXSJ	Dual rod cylinder compact type	CXSJM	Double acting	②-2 From P. 737
RHC	High power cylinder	RHC	Double acting	②-3 From P. 351

Note 1) Head side locking type only

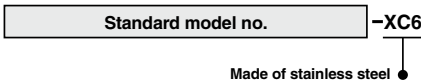
Note 2) There is a maximum stroke limit for CA2, MB, MB1 (ø100) and CS1 cylinders.

Note 3) The CS2 series, made of stainless steel, is applicable as "-XC68".

Note 4) Only available for ø125 type.

### How to Order

CM2, CG1, MB, MB1, CA2, CS1,  
CQS, CQ2, MU, CV



### Mounting brackets, accessories, and nut material: Stainless steel

The following accessories need to be prepared separately. (Please order separately.) Refer to the "Accessories" page of each series for details.

Series	Bore size (mm)	Foot	Flange	Single knuckle joint	Double knuckle joint	Mounting nut	Rod end nut	Accessories page
CM2	20, 25, 32, 40	○	○	○	○	○	○	Best Pneumatics No. 2-1 p. 190
	20, 25, 32, 40, 50, 63, 80, 100	○*	○*	○	○	—	○	
CG1	20, 25, 32, 40, 50, 63, 80, 100	—	—	○	○	—	○	Best Pneumatics No. 2-1 p. 309-1
	20, 25, 32, 40, 50, 63, 80, 100	—	—	○	○	—	○	

\* Except bore size 20 and 25.

### Maximum Stroke

(mm)

Series	Double acting, Single rod	Double acting single rod with rod boot
CA2, MB, MB1 (Bore size 100) Others same as the standard type	1500 (Same as standard)	1000
CS1	1200	1200

### Specifications

Parts changed to stainless steel	Piston rod, Rod end nut
Specifications other than above and external dimensions	Same as standard

Note 1) In the case of CS1 cylinder, the piston rod is only made of stainless steel. Rod end nut is not attached.

Note 2) In the case of CQ cylinder, its snap ring and piston rod are made of stainless steel.

Rod end nut is also made of stainless steel for rod end male thread type.

## CQ (P) 2<sup>1/2</sup> series

Piston rod and rod end nut (male thread only) have been changed to stainless steel specification "-XC6". Also, the materials for hexagon socket head cap screws to fix  $\phi 20$  to  $\phi 32$  rod covers have been changed to stainless steel.

### Applicable Series

Series	Model	Action	Note	Vol. no. (for std model)
CQ2	Water-resistant compact cylinder	CQ2□ <sup>1/2</sup> -Z	Double acting, Single rod	Applicable to $\phi 20$ , $\phi 25$ , $\phi 32$ . ②-1 From P. 949
	Water resistant, axial piping	CQP2□ <sup>1/2</sup>	Double acting, Single rod	Applicable to $\phi 32$ . ②-1 From P. 893

### Specifications

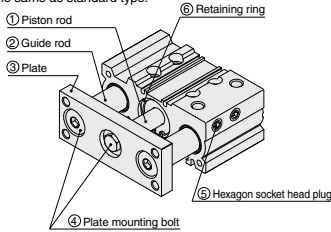
Parts changed to stainless steel	Piston rod, Rod end nut (male thread only), Rod cover holding hexagon socket head cap screw
Specifications other than above and external dimensions	Same as standard

## MGP series

### Specified Parts Changed to Stainless Steel

XC6A	① ② ③ ④ ⑤ ⑥
XC6B	① ② ⑤ ⑥

Specifications and external dimensions other than above are the same as standard type.



## CXSJM series

### How to Order

CXSJM  Standard model no. **-XC6**

Made of stainless steel

### Specifications

Parts changed to stainless steel	Piston rod, retaining ring, hexagon socket head bolt, hexagon socket head set screw, dumper bolt, hexagon nut
Specifications other than above and external dimensions	Same as standard

## CXSM series

### How to Order

CXSM  Standard model no. **-XC6**

Made of stainless steel

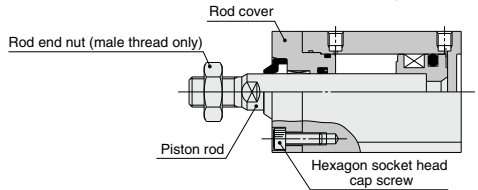
### Specifications

Parts changed to stainless steel	Piston rod, retaining ring, hexagon socket head bolt, hexagon socket head set screw, dumper bolt, hexagon nut, hexagon socket head plug
Specifications other than above and external dimensions	Same as standard

### How to Order

C□Q2□<sup>1/2</sup>  Standard model no. **-XC6A**

Stainless steel used on all standard iron parts



### How to Order

MGP<sup>M</sup><sub>L</sub>  Standard model no. **-XC6 A**

Made of stainless steel

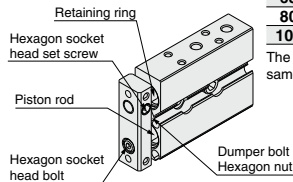
Suffix

A	Specified parts made of stainless steel
B	Stainless steel rod parts

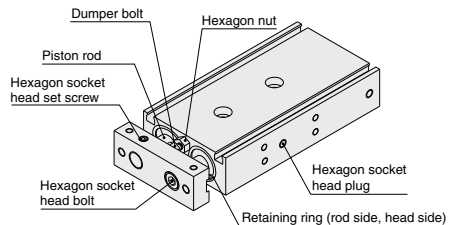
### Dimensions

Bore size (mm)	XC6A			XC6B
	DA	FA	FB	DA
12	(6)	8	5	(6)
16	(8)	8	5	(8)
20	(10)	9	7	(10)
25	(10)	10	6	(10)
32	(14)	12	10	(14)
40	(14)	12	10	(14)
50	20	16	12	20
63	20	16	12	20
80	25	19	21	25
100	30	22	28	30

The dimensions in ( ) are the same as standard type.



Note) The head cover retaining ring for  $\phi 6$  is made of special steel.



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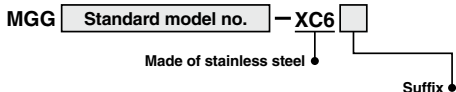


## 18 Made of Stainless Steel

Symbol  
**-XC6**

Suitable for the cases it is likely to generate rust by being immersed in the water and corrosion.

### MGG series How to Order

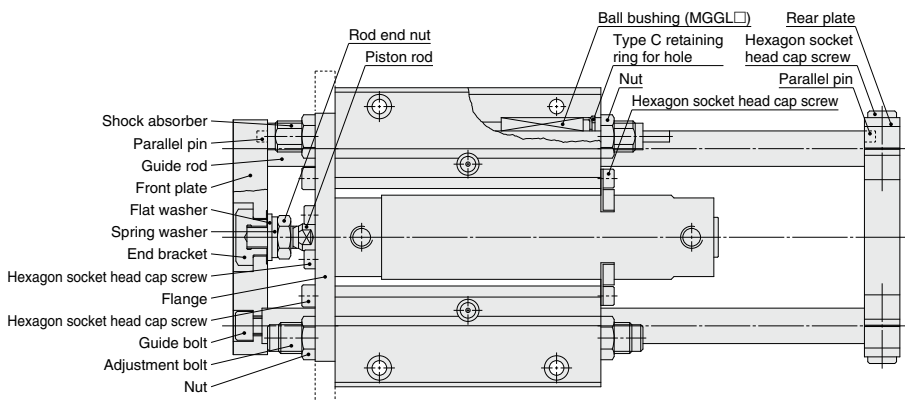


Nil	Piston rod, rod end nut made of stainless steel
<b>A</b>	Stainless steel used on all standard iron parts
<b>B</b>	Stainless steel rod end moving parts
<b>C</b>	Stainless steel rod parts

### Parts Changed to Stainless Steel

Symbol	Basic cylinder	Guide unit
<b>-XC6</b>		—
<b>-XC6A</b>	CDG1Z $\square$ N20 to 63- $\square$ -XC6 CDG1B $\square$ N80 to 100- $\square$ -XC6 (Piston rod, Rod end nut)	Flange, Front plate, Rear plate, Ball bushing (MGG $\square$ ), Guide rod, End bracket, Flat washer, Spring washer, Type C retaining ring for hole, Adjustment bolt, Nut, Parallel pin, Hexagon socket head cap screw, Guide bolt
<b>-XC6B</b>		Front plate, Guide rod, End bracket, Flat washer, Spring washer, Parallel pin (for front plate), Guide bolt
<b>-XC6C</b>		Guide rod

\* Specifications other than the above are the same as the standard type.  
Note) RBL (coolant resistant) type shock absorbers are used for -XC6A.

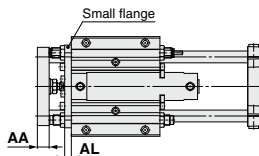


### Dimensions (Dimensions other than below are the same as standard type.)

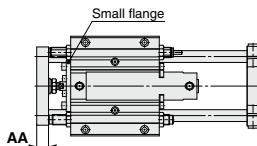
MGG $\square$ B20 to 50- $\square$ -XC6A

MGG $\square$ B20 to 50- $\square$ -XC6B  
MGG $\square$ B20 to 50- $\square$ -XC6C

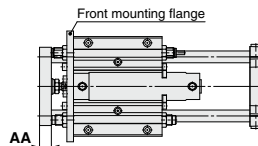
MGG $\square$ F20 to 50- $\square$ -XC6A  
MGG $\square$ F20 to 50- $\square$ -XC6B  
MGG $\square$ F20 to 50- $\square$ -XC6C



Bore size (mm)	(mm)	
	AA	AL
20	12	9
25	16	9
32	16	9
40	19	12
50	25	12



Bore size (mm)	(mm)	
	AA	
20	12	
25	16	
32	16	
40	19	
50	25	



Bore size (mm)	(mm)	
	AA	
20	12	
25	16	
32	16	
40	19	
50	25	

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## 18 Made of Stainless Steel

Symbol  
**-XC6**

Suitable for the cases it is likely to generate rust by being immersed in the water and corrosion.

### MGC series How to Order



Note) For the XC6A, XC6B, and XC6C, this symbol is displayed when the D-A9□ or M9□ type auto switch is specified. It does not apply to other auto switches (such as the D-C7□ and H7□). (Nil)

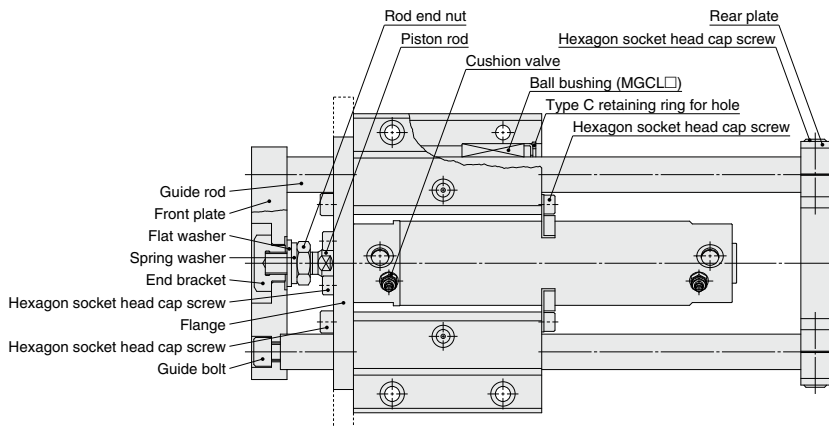
Nil	Piston rod, rod end nut made of stainless steel
A	Stainless steel used on all standard iron parts
B	Stainless steel rod end moving parts
C	Stainless steel rod parts

Made of stainless steel  
Suffix

### Parts Changed to Stainless Steel

Symbol	Basic cylinder	Guide unit
-XC6	CDG1ZA20 to 50-□-XC6 (Piston rod, Rod end nut)	—
-XC6A	CDG1BA20 to 50-□-X1057 (Piston rod, Rod end nut, Cushion valve)	Flange, Front plate, Rear plate, Ball bushing (MGCL□), Guide rod, End bracket, Flat washer, Spring washer, Type C retaining ring for hole, Hexagon socket head cap screw, Guide bolt
-XC6B		Front plate, Guide rod, End bracket, Flat washer, Spring washer, Guide bolt
-XC6C		Guide rod

\* Specifications other than the above are the same as the standard type.



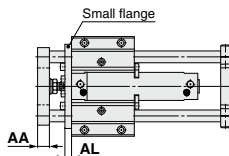
### Dimensions (Dimensions other than below are the same as standard type.)

MGC□B20 to 50-□-XC6A

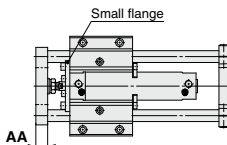
MGC□B20 to 50-□-XC6B

MGC□F20 to 50-□-XC6A

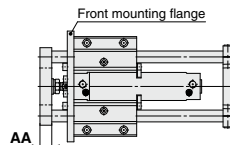
MGC□F20 to 50-□-XC6B



Bore size (mm)	(mm)	
	AA	AL
20	12	9
25	16	9
32	16	9
40	19	12
50	25	12



Bore size (mm)	(mm)
	AA
20	12
25	16
32	16
40	19
50	25



Bore size (mm)	(mm)
	AA
20	12
25	16
32	16
40	19
50	25

