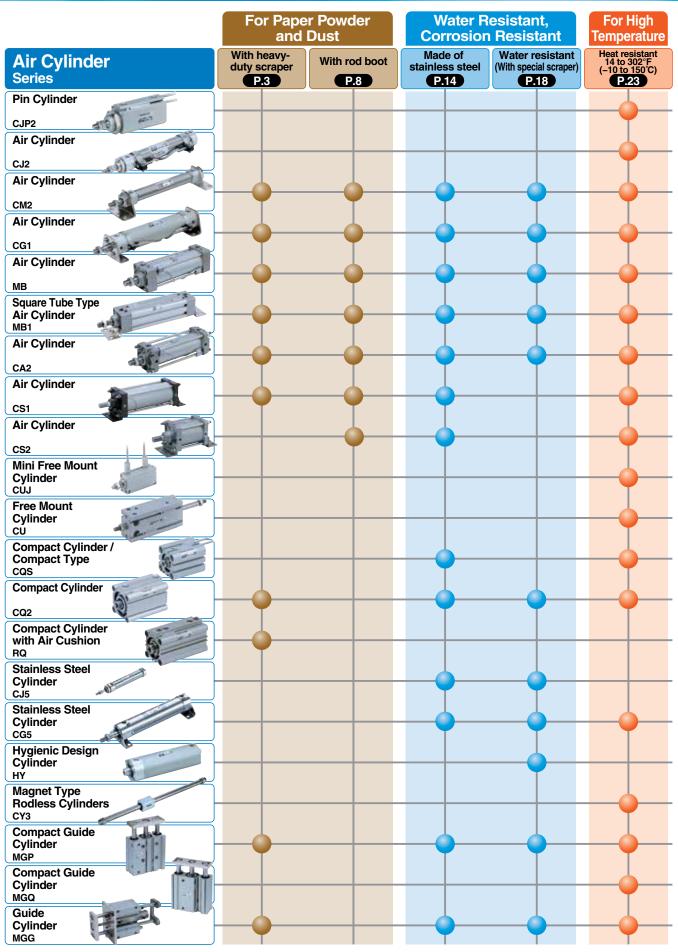




Environment Resistant Actuators Variations



	For Paper Powder and Dust		Water R Corrosion	For High Temperature	
Air Cylinder Series	With heavy- duty scraper P.3	With rod boot P.8	Made of stainless steel P.14	Water resistant (With special scraper) P.18	Heat resistant 14 to 302°F (-10 to 150°C) P.23
Guide Cylinder / Compact Type MGC					
Dual Rod Cylinder cxs					
Dual Rod Cylinder					
CXSJ Valve Mounted Air Cylinder CVM5					
Valve Mounted Air Cylinder CV3					
Valve Mounted Air Cylinder CVS1					
Cylinder with Lock CNA2					
Cylinder with Lock					
High Power Cylinder RHC					

Air Gripper Series	With dust cover P.9	Heat resistant 14 to 212°F (-10 to 100°C) P.25
Linear Guide Parallel Style Air Gripper MHZ		
Linear Guide Low Profile Air Gripper MHF2		
Parallel Style Air Gripper Wide Opening MHL2		
Slide Guide 2-Finger Type Air Gripper MHK2		
Slide Guide 3-Finger Type Air Gripper MHS	3 Finger only	
Angular Style Air Gripper Standard MHC		
Toggle type Air Gripper MHT2		
180° Angular Style Air Gripper Cam Style MHY2		
180° Angular Style Air Gripper Rack & Pinion Style MHW2		

Air Cylinder With Heavy-duty Scraper: -XC4

¡Applicable for use in paper powder and dust environments with the use of a heavy-duty scraper on the wiper ring.

Applicable Series

Series	Description	Model	Action	Note		Catalog page
	Air cylinder	CM2	Double acting, Single rod			
	CM2W Doub		Double acting, Double rod			
CM2	Centralized piping type	CM2□□P	Double acting, Single rod		From P. 128	
	End lock cylinder	CBM2	Double acting, Single rod	Head side locking type only (Except with air cushion)		
CG1	Air cylinder	CG1	Double acting, Single rod	ø32 to ø63 only	From P. 222	Best Pneumatics Catalog
MD	Air andia al an	MB	Double acting, Single rod		E	Best Pneumatics
МВ	Air cylinder	MBW	Double acting, Double rod		From P. 290	- O ***
MD4	Air andiantan	MB1	Double acting, Single rod		E	Best Preumatics
MB1	Air cylinder	MB1W	Double acting, Double rod		From P. 332	
	Airediadar	CA2	Double acting, Single rod			
CA2*	Air cylinder	CA2W	Double acting, Double rod		From P. 356	
	End lock cylinder	CBA2	Double acting, Single rod	Head side locking type only	-	
CS1	Airediador	CS1	Double acting, Single rod		5 D 440	
651	Air cylinder	CS1W	Double acting, Double rod		From P. 412	
RQ	Compact cylinder with air cushion	RQ	Double acting, Single rod		From P. 774	ES20-205
	Air cylinder	CQ2	Double acting, Single rod	ø20 to ø100		N.S.
CQ2	Axial piping type (Centralized piping type)	CQP2	Double acting, Single rod	ø32 to ø100	CAT.ES20-205	<u><u><u>R</u> · <u>R</u> · <u>R</u></u></u>
	Long stroke	CQ2	Double acting, Single rod			State of Sta
CVM5	Valve mounted air cylinder	CVM5	Double acting, Single rod		From P. 1563	north Descent files
сv	Valve mounted cylinder	CV3	Double acting, Single rod		From P. 1604	Best Pneumatics Catalog
CV	valve mounted cylinder	CVS1	Double acting, Single rod		From P. 1604	Best Pneumatics
MGP	Compact guide cylinder	MGP	Double acting	ø20 to ø100 (Except with air cushion or end lock)	From P. 272	Best Preumatics
MGG	Ouide adiadan	MGG	Double acting	Except ø20, ø25	From P. 356	
MGC	Guide cylinder	MGC	Double acting	Except ø20, ø25	From P. 392	
CNG	Cylinder with lock	CNG	Double acting, Single rod	ø32, ø40 only	From P. 669	and the second second
CNA2	Cylinder with lock	CNA2	Double acting, Single rod		CAT.NAS20-206	and DAY (200
			•			

* CA2 \Box H (Air-hydro type) comes with a heavy-duty scraper as standard.

How to Order

Standard model no.	- XC4
For Series MGP, refer to page 7.	● With heavy-dut

With heavy-duty scraper (SCB scraper)

Specifications: Same as standard type.

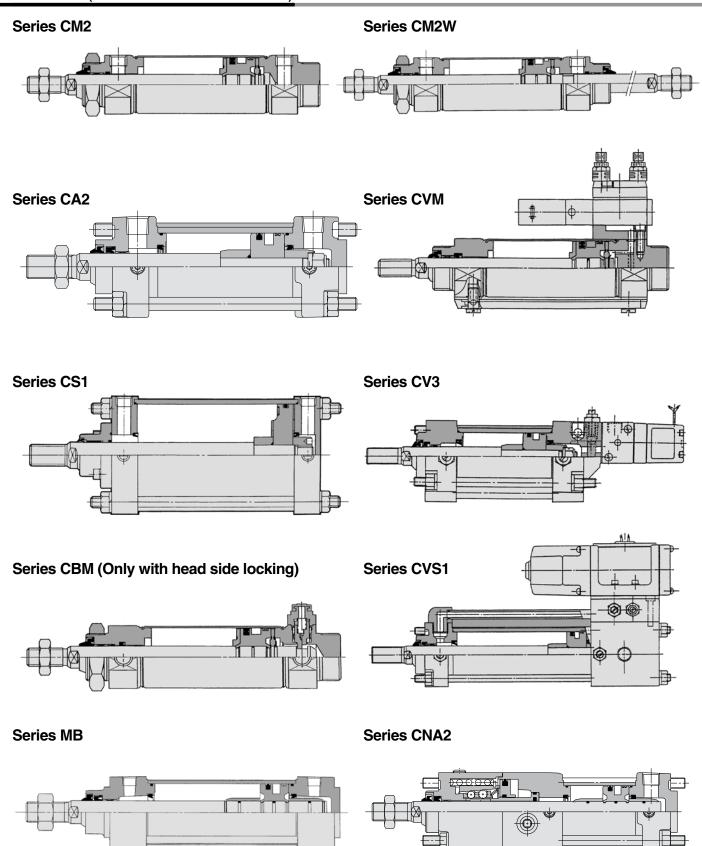
∆Caution

Do not replace heavy-duty scrapers.

• Since heavy-duty scrapers are press-fit, do not replace the cover only, but rather the entire rod cover assembly. (Holder plate assembly in the case of Series MGP) Series CM2 cannot replace either heavy-duty scraper or rod seal. (It goes for replacing retainer assembly for Series CS1.)

Replace the CNA2 series with the lock unit.

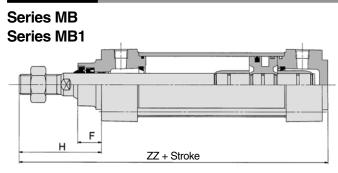
*



Construction (Dimensions are the same as standard.)

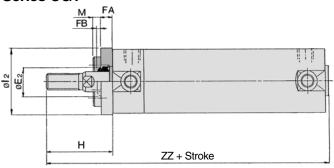
SMC

Dimensions



Series MB, MB1 (m							
Bore size	F	н	ZZ				
32	15	47	135				
40	17	58	146				
50	19	67	165				
63	19	67	165				
80	25	81	199				
100	25	81	199				

Series CG1



Series CG1

Series CG1							(mm)
Bore size	E2	FA	FB	М	12	Н	ZZ
32	17	8	3	5	38	48	121
40	21	8	3	6	48	58	138
50	26	9	3	8	59	66	158
63	26	9	3	10	72	66	158

	(mm)
	ZZ
	129
Long stroke	147
	170
	170

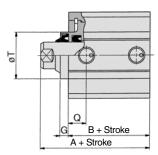
 \ast Other dimensions are the same as double acting, single rod, standard type.

* On the axial foot style and the rod side flange style, the installation bracket is wedged and bolted between the cylinder and the scraper at the time of

shipment.

On other styles, it is placed in the same package (not assembled).

Series CQ2



- (): Denotes the dimensions with auto switch.
- Other dimensions are the same as for CQ2/standard type.
- Bore size 32, without switch, 5 strokes: Q-dimensions is 21.5.
- Relation between bore size 12 to 32 piping port and mounting holes is as the following diagram. Please contact SMC for bracket style.

Applicable stroke available by the 5 mm interval.



Without switch: Bore size 20 to 32

With switch: Bore size 32



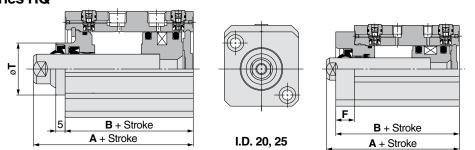
With switch: Bore size 20, 25

Series CQ2

Bore size		Α			В		_ G		à	Q	
(mm)	50 stroke or less	75, 100 stroke	125 to 300 stroke	50 stroke or less	75, 100 stroke	125 to 300 stroke	1	100 stroke or less	125 stroke or more	50 stroke or less	125 stroke or more
20	34 (46)	_	—	29.5 (41.5)	_	—	_	—	—	19 (20.5)	—
25	37.5 (47.5)	_	—	32.5 (42.5)	_		_	—	—	21 (21)	—
32	40 (50)	50 (50)	67.5 (67.5)	33 (43)	43 (43)	55.5 (55.5)		—	_	20.5 (20.5)	—
40	46.5 (56.5)	56.5 (56.5)	77 (77)	29.5 (39.5)	39.5 (39.5)	55 (55)	28	5	10	11 (11)	14 (14)
50	48.5 (58.5)	58.5 (58.5)	78.5 (78.5)	30.5 (40.5)	40.5 (40.5)	55.5 (55.5)	35	5	10	10.5 (10.5)	14 (14)
63	54 (64)	64 (64)	80 (80)	36 (46)	46 (46)	57 (57)	35	5	10	15 (15)	16.5 (16.5)
80	63.5 (73.5)	73.5 (73.5)	91 (91)	43.5 (53.5)	53.5 (53.5)	66 (66)	43	5	10	16 (16)	19 (19)
100	75 (85)	85 (85)	102.5 (102.5)	53 (63)	63 (63)	75.5 (75.5)	59	5	10	23 (23)	23 (23)

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

Series RQ



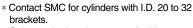
				(mm)
Bore size (mm)	А	в	т	F
20	46.5	42	—	10
25	51.5	46.5		10
32	54	47	—	10
40	61	44	28	—
50	67.5	49.5	35	—
63	73	55	35	—
80	83.5	63.5	43	_
100	98	76	59	_

≜Caution

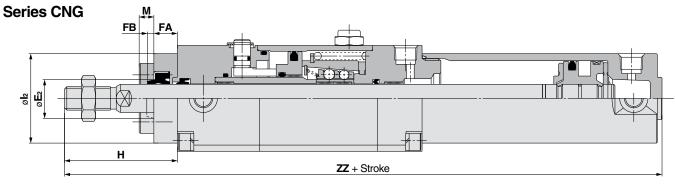
Do not replace heavy-duty scrapers.

• Since heavy-duty scrapers are press-fit, do not replace the cover only, but rather the entire rod cover assembly.

* Contact SMC for the rod cover assembly part number.



* Only standard strokes are applicable.



Bore size	E2	FA	FB	М	12	Н	ZZ
32	17	8	3	5	38	48	204
40	21	8	3	6	48	58	229

* Other dimensions are the same as the standard type. (The above figure shows the rubber bumper type.)

* On the axial foot style and the rod side flange style, the installation bracket is wedged and bolted between the cylinder and the scraper at the time of shipment.

ZZ 212 Long stroke 238

32

40

50

(mm)

AL

9

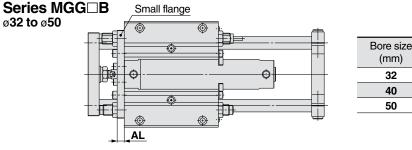
12

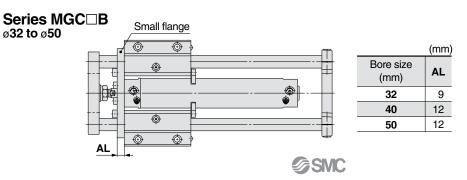
12

▲Caution

Do not replace heavy-duty scrapers.

 Since heavy-duty scrapers are press-fit, they must be replaced together with the seal holder assembly.





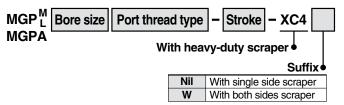
Specifications: Same as standard type.

Note 1) Except ø20 and ø25.

Note 2) Heavy-duty scrapers are attached to the piston rod and guide rods (front and back).

Note 3) Rod side heavy-duty scrapers for ø32 to ø50 are press-fit to large and small flanges. When replacing them, replace the large and small flange assemblies.

How to Order/MGP

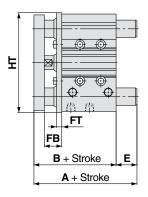


Specifications

Applicable series		MGPM	MGPL/MGPA		
Bearing ty	pe	Slide bearing Ball bushing be			
Bore size (mm)	20, 25, 32, 40, 50, 63, 80, 100			
Minimum operating	With single side	17 psi (0.12 MPa)			
pressure	With both sides	20 psi (0.14 MPa)			

Specifications other than above are the same as standard type.

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



Common Dimensions:

MGPM, MGPL, MGPA (mm)								
Bore size (mm)	В	FB	FT					
20	63	16	5					
25	63.5	16	5					
32	69.5	20	6					
40	76	20	6					
50	82	22	6					
63	87	22	6					
80	106.5	28	6					
100	126	35	9					

With Both Sides Scraper Dimensions: AW, EW, MT, DS

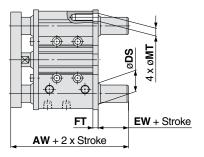
Bore size	AW	EW	мт		DS*
(mm)	AW			MGPM	MGPL, MGPA
20	74	6	6	17	15
25	74.5	6	7	21	19
32	82.5	7	8.5	26	21
40	89	7	9	26	21
50	95	7	11	31	26
63	100	7	11	31	26
80	120.5	8	14	36	31
100	143	8	16	44	36

* Bypass port size for guide rod with bottom mounting.

MGPM (Slide bearing) A, E, HT Dimensions

Bore size		Α			HT		
(mm)	50 st or less	Over 50 st to 200 st	Over 200 st	50 st or less	Over 50 st to 200 st	Over 200 st	XC4
20	63	94.5	132	0	31.5	69	80
25	63.5	95	132	0	31.5	68.5	93
32	97	112	150	27.5	42.5	80.5	113
40	97	112	150	21	36	74	121
50	106.5	128	171	24.5	46	89	153
63	106.5	128	171	19.5	41	84	167
80	125	152	203	18.5	45.5	96.5	205
100	147	172	213	21	46	87	244

(mm)



For cylinder with both sides scraper

MGPL, MGPA (Ball bushing bearing)

A, E, HT Dimensions									
Bore size		4	1		E				
(mm)	30 st	Over 30 st	Over 100 st	Over	30 st	Over 30 st	Over 100 st	Over	HT
()	or less	to 100 st	to 200 st	200 st	or less	to 100 st	to 200 st	200 st	
20	73	90	114	132	10	27	51	69	80
25	79.5	95.5	114.5	132	16	32	51	68.5	93
Bore size		4	1			E	Ξ		
(mm)	50 st	Over 50 st	Over 100 st	Over	50 st	Over 50 st	Over 100 st	Over	HT
()	or less	to 100 st	to 200 st	200 st	or less	to 100 st	to 200 st	200 st	
32	91	108	128	150	21.5	38.5	58.5	80.5	110
40	91	108	128	150	15	32	52	74	118
50	103	124	144	171	21	42	62	89	146
63	103	124	144	171	16	37	57	84	160
Poro oizo		-	4			E	Ξ		
Bore size (mm)	25 st	Over 25 st	Over 50 st	Over	25 st	Over 25 st	Over 50 st	Over	HT
(((((((((((((((((((((((((((((((((((((((or less	to 50 st	to 200 st	200 st	or less	to 50 st	to 200 st	200 st	
80	119.5	140	170	203	13	33.5	63.5	96.5	201
100	131	157	190	213	5	31	64	87	238
100	101	107	100	210	5		0-7	07	200

(mm)

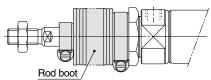
Air Cylinder Cylinder with rod boot

• Protects the rod from adhering paper powder and dust, etc. by rod boot.

Applicable Series

Series	Description	Model	Action		Catalog page
	Air cylinder	CM2	Double acting, Single rod		
CM2	Air cylinder	CM2W	Double acting, Double rod		
	Non-rotating rod type	CM2K	Double acting, Single rod	From P.128	
	Centralized piping type	CM2⊡P	Double acting, Single rod		
	End lock cylinder	CBM2	Double acting, Single rod		
CG1	Air cylinder	CG1	Double acting, Single rod		
	Air cylinder	CG1W	Double acting, Double rod	From P.222	
	End lock cylinder	CBG1	Double acting, Single rod		
	Air cylinder	MB	Double acting, Single rod		
MD	Air cylinder	MBW	Double acting, Double rod		Best Pneumatics
MB	Non-rotating rod type	MBK	Double acting, Single rod	From P.290	Catalog
	End lock cylinder	MBB	Double acting, Single rod		Best Pneumatics
	Air cylinder	MB1	Double acting, Single rod		Best Pneumatics
MB1	Air cylinder	MB1W	Double acting, Double rod	From P.332	
	Non-rotating rod type	MB1K	Double acting, Single rod		
	Air cylinder	CA2	Double acting, Single rod		
	Air cylinder	CA2W	Double acting, Double rod		
	Non-rotating rod type	CA2K	Double acting, Single rod		
CA2	Non-rotating rod type	CA2KW	Double acting, Double rod	From P.356	
	End lock cylinder	CBA2	Double acting, Single rod		
	Air-hydro type	CA2⊟H	Double acting, Single rod		
	Air-hydro type	CA2⊟WH	Double acting, Double rod		
	Air cylinder	CS1	Double acting, Single rod		
CS1	Air cylinder	CS1W	Double acting, Double rod	From P.412	NAS20-196
	Low friction type	CS1□Q	Double acting, Single rod		An Cylinder
	Air cylinder	CS2W	Double acting, Double rod		Le Cui
CS2	Smooth Cylinder	CS2Y	Double acting, Single rod	CAT.ES20-196	
	Valve mounted cylinder	CVM5	Double acting, Single rod		and the second
CVM5	Valve mounted cylinder	CVM5K	Double acting, Single rod	From P.1563	
	Valve mounted cylinder	CV3	Double acting, Single rod		Best Pneumatics
CV3	Valve mounted cylinder	СУЗК	Double acting, Single rod	From P.1604	Catalog Best Pneumatics
	Valve mounted cylinder	CVS1	Double acting, Single rod		
CVS1	Valve mounted cylinder	CVS1K	Double acting, Single rod	From P.1624	Best Preumatics
CLM2	Fine lock cylinder	CLM2	Double acting, Single rod	From P.611	** **
CL1	Lock up cylinder	CL1	Double acting, Single rod	From P.636	
CNG	Cylinder with Lock	CNG	Double acting, Single rod	From P.672	
	Cylinder with Lock	MNB	Double acting, Single rod		NAS20-206 Best Pneumatics Catalog
MNB	Cylinder with Lock	MNBW	Double acting, Double rod	From P.696	Best Pneumatics
	Cylinder with Lock	CNA2	Double acting, Single rod		
CNA2	Cylinder with Lock	CNA2W	Double acting, Double rod	CAT.ES20-206	Best Preumatics
CNS	Cylinder with Lock	CNS	Double acting, Single rod	From P.760	
CLS	Cylinder with Lock	CLS	Double acting, Single rod	From P.786	

₿SMC



Rod Boot Material

Symbol	Rod Boot Material	Maximum operating temperature
J	Nylon tarpaulin	158°F (70°C)
К	Heat resistant tarpaulin	230°F (110°C)*

* Maximum ambient temperature for the rod boot itself.



Air Gripper Air Gripper with Dust Cover

• Prevent the entry of paper powder and dust with the use of a dust cover.

Applicable Series

Series	ies Description		Action		atalog page
мнк	Wedge cam operation slide guide	MHK2	Double acting, Single acting (Normally open, Normally closed)	P.522	Best Pneumatics Catalog
	wedge carri operation side guide	MHKL2	Double acting, Single acting (Normally open, Normally closed)		Best Pneumatics
мнз	3-finger type with dust cover	MHSJ3	Double acting	P.562	Best Pneumatics
мпэ	With through hole and dust cover	MHSHJ3	Double acting	P.570	Best Procumatics
	Parallel style with dust cover (Compact)	MHZAJ2	Double acting, Single acting (Normally open, Normally closed)	P.388	
MHZ	Parallel style with dust cover	MHZJ2	Double acting, Single acting (Normally open, Normally closed)	P.424	m u u <u>i</u>

Dust cover Material

Nil Chloroprene rubber (CR)					
F	Fluororubber (FKM)				
S	Silicon rubber (Si)				



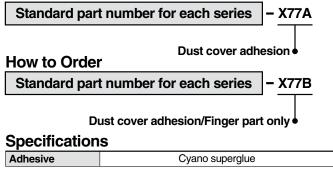
Air Gripper with Dust Cover Dust Cover Adhesion: -X77^A_B

• Prevent the entry of paper powder and dust with the use of a dust cover.

Applicable Series

Series	Description	Description Model		Note		Catalog page	
мнк	Wedge cam operation slide guide	MHK2	Double acting, Single acting (Normally open, Normally closed)		P.522	Best Pneumatics	
WITIK	Wedge cam operation side guide	MHKL2 Double acting, Single acting (Normally open, Normally of			F.322	Catalog Best Pneumatics	
мнѕ	3-finger type with dust cover MHSJ3		Double acting		P.562	Best Pneumatics	
MITS	With through hole and dust cover MHSH.		Double acting		P.570	······································	
MHZ			Double acting, Single acting (Normally open, Normally closed)	ø10, ø16, ø20, ø25 only	P.424		

How to Order



Note 1) For -X77B, only the finger part is bonded.

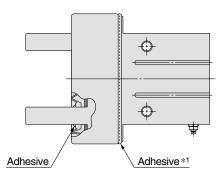
Note 2) The relief port can be attached to both -X77A and -X77B.

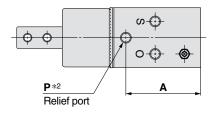
Note 3) The dust cover cannot be removed and replaced. Note 4) Be sure to connect the dust cover to the relief port used for dust

cover breathing before operating.

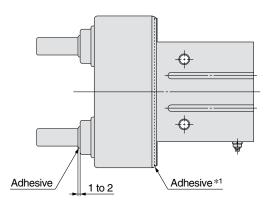
Note 5) For the single acting type, be sure to use the vent hole after being piped.

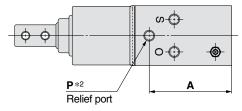
Dimensions (Dimensions other than specified below are the same as the standard type.)





		(mm)
Model	Α	Р
MHK2-12□□-X77 Å	26.5	M3 x 0.5
MHK2-16	28.5	IVIS X 0.5
MHK2-20□□-X77 Å	34.5	M5 x 0.8
MHK2-25	37	1VI3 X U.O
MHKL2-12	31	M3 x 0.5
MHKL2-16	33	
MHKL2-20 - X77 Å	38	M5 x 0.8
MHKL2-25	44	





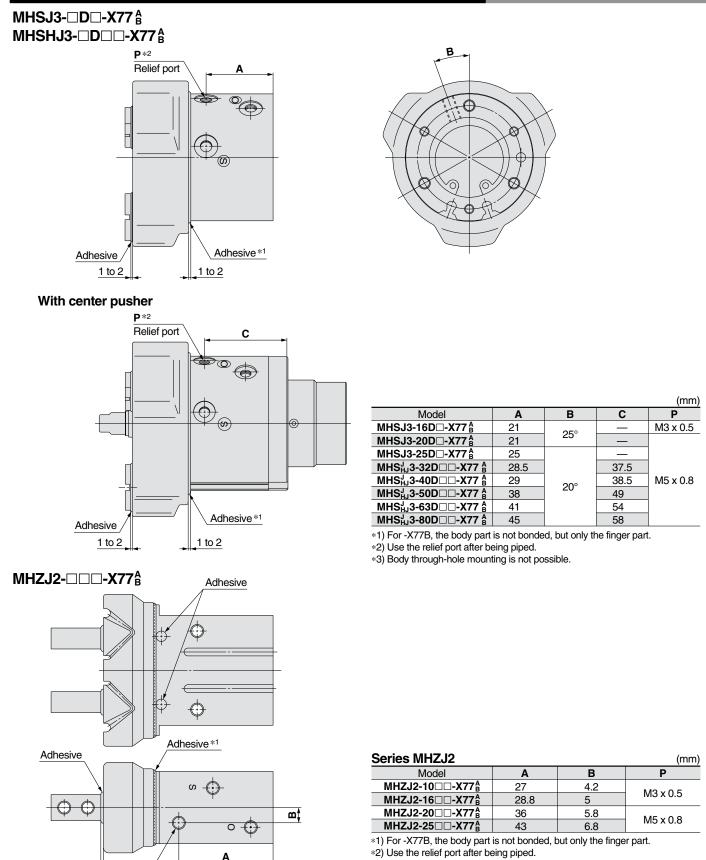
*1) For -X77B, the body part is not bonded, but only the finger part.

*2) Use the relief port after being piped.

 \ast 3) For the single acting type, be sure to use the vent hole after being piped.

Dust Cover Adhesion: -X778

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



*3) For the single acting type, be sure to use the vent hole after being piped.

1 to 2

P*2

Relief port

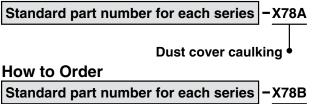
Air Gripper with Dust Cover Dust Cover Caulking: -X78^A

Dustproof and dripproof

Applicable Series

Series	Description Mo		Action Note		Catalog page	
	Wedge com operation alide quide	MHK2	Double acting, Single acting (Normally open, Normally closed)	DE		Best Pneumatics Catalog
МНК	Wedge cam operation slide guide	MHKL2	Double acting, Single acting (Normally open, Normally closed)		P.522	Best Pneumatics
MUG	3-finger type with dust cover	MHSJ3	Double acting		P.562	Best Preumatics
MHS	With through hole and dust cover MHSHJ3 Double acting			P.570	- §	
мнz	Parallel style with dust cover	MHZJ2	Double acting, Single acting (Normally open, Normally closed)	ø10, ø16, ø20, ø25 only	P.424	······································

How to Order



Dust cover caulking/Finger part only

Specifications

Caulking agent Silicone adhesive, sealant (white)

- Note 1) For -X78B, caulking is applied to only the finger part. Note 2) Relief port can be mounted on both -X78A and -X78B.
- Note 3) Use the dust cover after being piped to the relief port for dust cover breathing.
- Note 4) For the single acting type, be sure to use the vent hole after being piped.

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

M3 x 0.5

M5 x 0.8

31

33

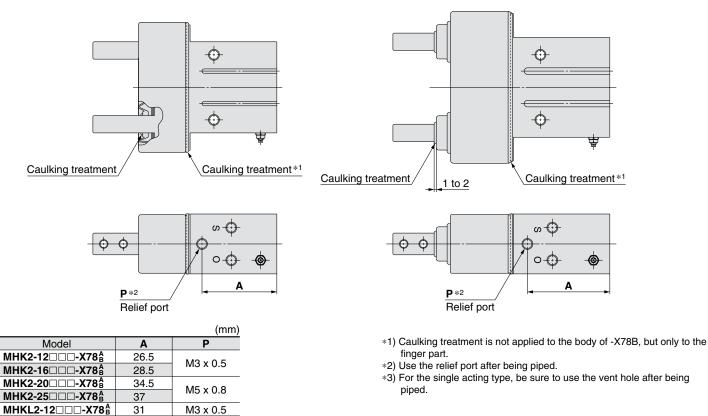
38

44

MHKL2-16

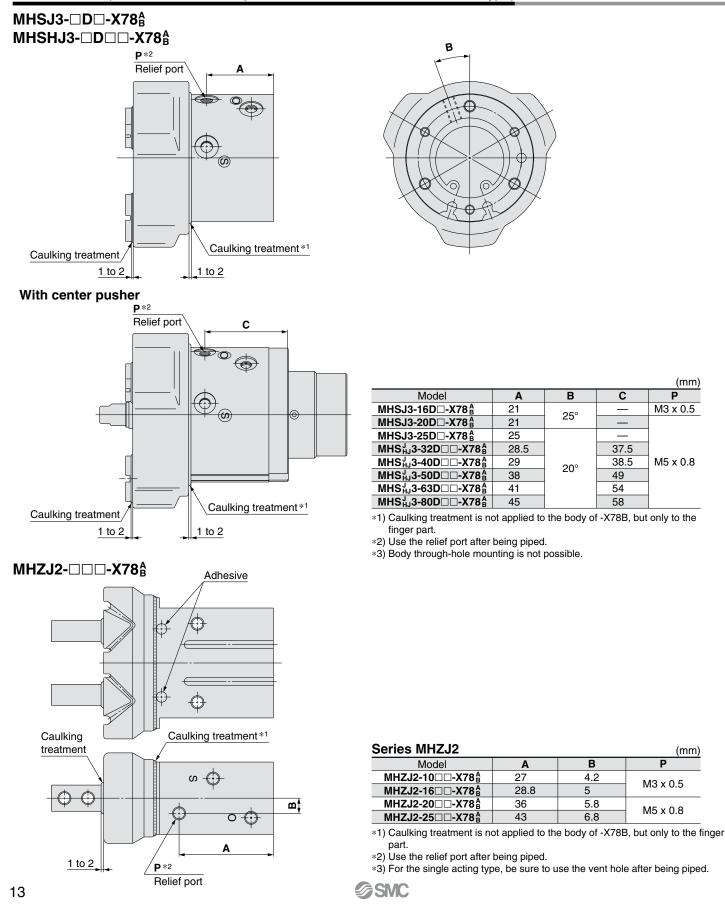
MHKL2-20 - X78

MHKL2-25



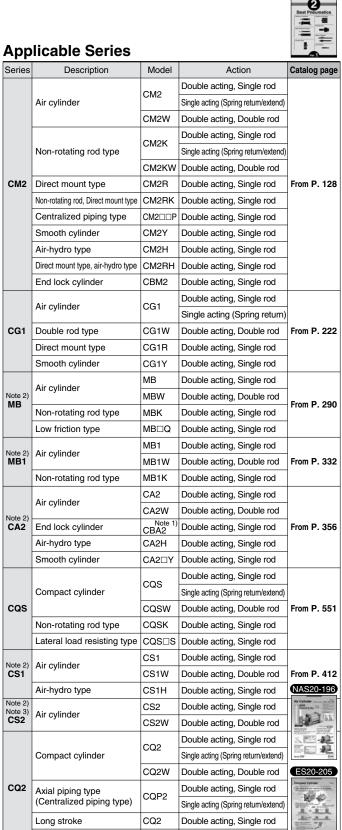
Dust Cover Caulking: -X788

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



Air Cylinder Made of Stainless Steel: -XC6

• Applicable for use under enrironments with water splashing. Stainless steel parts improve corrosion resistance.



Lateral load resisting type CQ2 S

Double acting, Single rod

	natics Catalog neumatics
Best P	Orac Permatics





Applicable Series

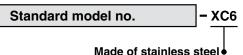
Series	Description	Model	Action	Catalog page
		CVM5	Double acting, Single rod	
cv	Valve mounted cylinder	CVM5K	Double acting, Single rod	From P. 1563
0.	valve mounted cylinder	CV3	Double acting, Single rod	FI0III P. 1503
		CVS1	Double acting, Single rod	
MGP	Compact guide cylinder	MGP	Double acting	From P. 272
MGG	Guide cylinder	MGG	Double acting	From P. 356
MGC	Guide cylinder	MGC	Double acting	From P. 392
CXS	Dual rod cylinder	CXSM	Double acting	From P. 561
CXSJ	Dual rod cylinder compact type	CXSJM	Double acting	From P. 549
RHC	High power cylinder	RHC	Double acting	From P. 1201

Note 1) Head side locking type only

Note 2) There is a maximum stroke limit for CA2, MB, MB1 (ø100), CS1 and CS2 cylinders.

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

How to Order CM2, CG1, MB, MB1, CA2, CS1, CQS, CQ2, CV



Maximum Stro	(mm)	
Series	Double acting, Single rod	Double acting rod with rod boot
CA2, MB, MB1 (Bore size 100) Others same as the standard type	1500 (Same as standard)	1000
CS1	1200	1200
CS2	1400	1200

Specifications

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



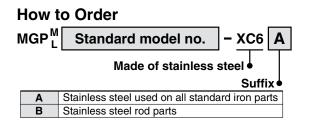
SMC

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

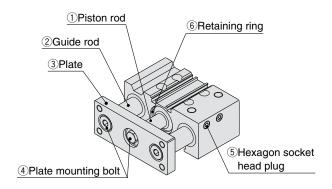
Made of Stainless Steel: -XC6

Series MGP



Stainless Steel Modified Parts

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.			



Series CXSJM

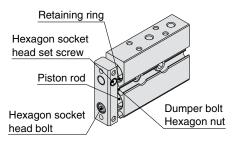
How to Order

CXSJM Standard model no. - XC6

Made of stainless steel

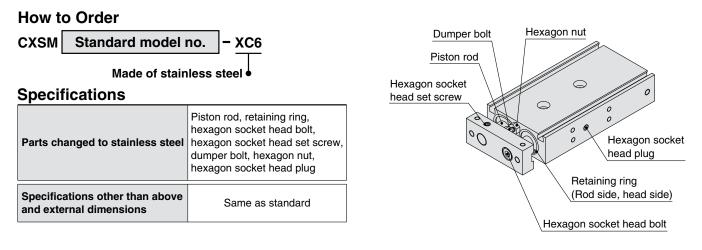
Specifications

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



Note) The head cover retaining ring for ø6 is made of special steel.

Series CXSM





Seri	es MGG	
How	v to Order	
MGG	Standard model no XC6	
Made of stainless steel		
	Suffix	
Nil	Piston rod, rod end nut made of stainless steel	
Α	Stainless steel used on all standard iron parts	

Stainless steel rod end moving parts

Stainless Steel Modified Parts

Symbol	Bore size (mm)	Parts no.	Note	Catalog page
-XC6	20, 25, 32, 40, 50	(4)(1)		
-700	63, 80, 100	(4)10		Best Pneumatics
	20, 25, 32 40, 50	4(1)16(7)18(19202)2223 262930313334353637	19 is type L only.	Catalog Best Pneumatics
-XC6A	63, 80, 100	4101516171819202123 24272829313233343539 40	 is type L only, is type B only, and 40 are type F only. 	Best Proumatics
-XC6B	20, 25, 32, 40, 50	41117202122233135	 is rod side only. 	
-7000	63, 80, 100	4 10 15 18 19 20 21 29 33	29 is rod side only.	
-XC6C	20, 25, 32, 40, 50	(4)(1)(2)		P.369
-7000	63, 80, 100	(4)(10(18)]

* Refer to the construction of the standard type (Best Pneumatics No. 3) for part numbers.

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

Note) RBL (coolant resistant) type shock absorbers are used. (-XC6A only)

Equipped/Not equipped back plate

Nil

Α

Series MGC How to Order

в С

MGC	Bearing type	Mounting style

Stainless steel rod parts

Stainless Steel Modified Parts				
Symbol	Bore size (mm)	Parts no.	Note	Catalog page
-XC6	20, 25, 32, 40, 50	(4)(14)		NAS20-209
-XC6A	20, 25, 32, 40, 50	410111214232425262728 2930333637383940	6 is type L only	Cardin Contraction
-XC6B	20, 25, 32, 40, 50	4.10.11.12.14.27.28.29.30.38		
-XC6C	20, 25, 32, 40, 50	4.10.11.12.14.27		P.10

Bore size

Stroke

Stainless s	steel u	used on	all	standard	iron parts
Stainlass (staal r	nd and	mo	vina narts	

Piston rod, rod end nut made of stainless steel

Auto switch

Made of stainless steel

- XC6

Suffix

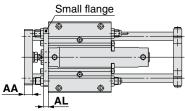
в Stainless steel rod end moving parts С Stainless steel rod parts

* Refer to the construction of the standard type (CAT.ES20-209) for part numbers.

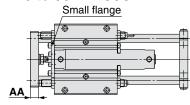
* Specifications and dimensions other than the above are the same as the standard type.

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

MGG B20 to 50-D-XC6A

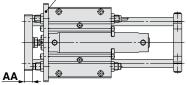


MGG B20 to 50-D-XC6B MGG B20 to 50-D-XC6C

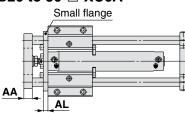


MGG□F20 to 50-□-XC6A MGG□F20 to 50-□-XC6B MGG□F20 to 50-□-XC6C

Front mounting flange



MGC B20 to 50--XC6A



Small flange

٢

Front mounting flange

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

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

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

	,	-76			 	
~~ ^	· • •		FA	-		в ла

MGC B20 to 50-D-XC6B

MGC B20 to 50-D-XC6C

MGC□F20 to 50-□-XC6A

MGC□F20 to 50-□-XC6B

MGC□F20 to 50-□-XC6C

AA

Air Cylinder Tie-rod, Cushion Valve, Tie-rod Nut, etc. Made of Stainless Steel: -XC7

• Applicable for use under enrironments with water splashing. Stainless steel parts improve corrosion resistance.



Applicable Series

Series	Description	Model	Action	Catalog page	
	Standard type	MB	Double acting, Single rod		
	Standard type	MBW	Double acting, Double rod		
МВ	Non-rotating rod type	MBK Double acting, Single rod Fro		From P. 290	
	Low friction type	tion type MB□Q Double acting, Single rod			
	Cylinder with end lock	MBB	Double acting, Single rod		
	Standard type	MB1	Double acting, Single rod		
MB1	Standard type	MB1W	Double acting, Double rod	From P. 332	
	Non-rotating rod type	MB1K	Double acting, Single rod		
	Standard type	CA2 Double acting, Single rod			
	Standard type	CA2W	Double acting, Double rod		
CA2	Non-rotating rod type	CA2K	Double acting, Single rod	From P. 356	
	Non-rotating fou type	CA2KW	Double acting, Double rod		
	End lock cylinder	CBA2	Double acting, Single rod		

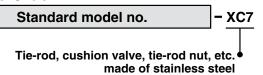
Applicable Series

Series	Description	Model	Action	Catalog page
		CV3	Double acting, Single rod	
с٧	Volvo mounted avlinder	CVS1	Double acting, Single rod	From P. 1604
CV	CV Valve mounted cylinder	CV3K	Double acting, Single rod	FI0III P. 1604
		CVS1K	Double acting, Single rod	

Best Pneumatics Catalog

Best Pneumatics

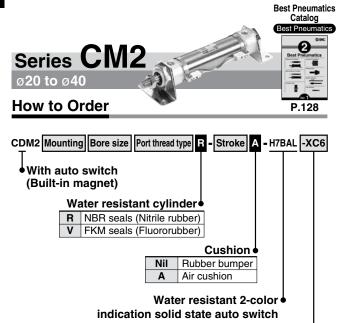
How to Order



Specifications

Component parts changed to stainless steel	Tie-rod, tie-rod nut, mounting bracket nut, spring washer, cushion valve, lock nut
Additional specifications Dimensions	Same as standard type

- Applicable for use under enrironments with water splashing. Entry of water is reduced by a special scraper.
- Stainless steel type is available. (-XC6) Two types of seal material, NBR or FKM (fluororubber), can be selected.



Made of stainless steel

∆Caution

Rod seals and scrapers are not replaceable.

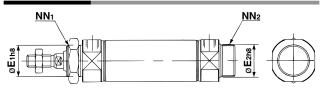
• The above parts cannot be replaced since the scraper is press-fit in the rod cover.

Specifications

Action	Double acting, single rod				
Bore size (mm)	20, 25, 32, 40				
Cushion	Rubber bumper, air cushion				
Auto switch mounting	Band mounting				
Made to order	Piston rod, rod end nut made of stainless steel (-XC6)				

* Specifications other than above are the same as standard, basic style.

Dimensions



				(mm)
Bore size (mm)	E1	E 2*	NN1	NN2*
20	22 _{-0.033}	20 _{-0.033}	M22 x 1.5	M20 x 1.5

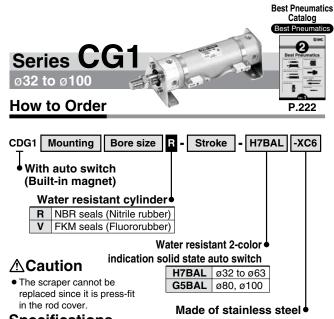
* Other specifications are the same as the double acting, single rod standard type. (An asterisk means it is the same as the standard type.)

Mounting Bracket*: Part No.

Mounting brookst	Min.	Bore size (mm)	Description
Mounting bracket	order qty.	20	(At min. order qty.)
Axial foot style **	2	CM-L020C	2 foots, 1 mounting nut
Flange	1	CM-F020C	1 flange, 1 mounting nut
Trunnion (with nuts)	1	CM-T020C	1 trunnion, 1 trunnion nut

* The brackets for ø25 to ø40 are the same for the standard type.

** Order 2 foot brackets for each cylinder unit.



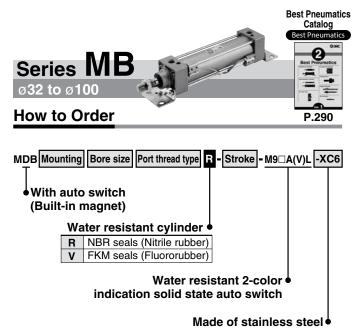
Specifications

Action	Double acting, single rod				
Bore size (mm)	32, 40, 50, 63, 80, 100				
Cushion	Rubber bumper, air cushion				
Auto switch mounting	Band mounting				
Made to order	Piston rod, rod end nut made of stainless steel (-XC6)				

* Specifications other than above are the same as standard, basic style. **Dimensions**

GA **Rubber bumper** ñ Ŕ (F1) TA S + Stroke F ZZ + Stroke WA GA Air cushion ñ (F1) TA S + Stroke F ZZ + Stroke (mm)Bore size (mm) (E1) E* (F1) F* GA S ТΑ WA ΖZ 32 17 18 2 2 18 77 (85) 17 22 119 (127) 40 21 25 2 2 19 22 136 (145) 84 (93) 18 50 26 30 2 2 21 97 (109) 20 25 157 (169) 63 26 32 2 2 21 97 (109) 20 25 157 (169) 3 116 (130) 80 32 40 3 28 30 190 (204) 100 37 50 3 3 29 117 (131) 31 191 (205)

 * Other specifications are the same as the double acting, single rod standard type. (An asterisk means it is the same as the standard type.)
 * (): For the long stroke type.

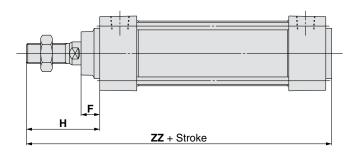


Specifications

Action	Double acting, single rod				
Bore size (mm)	32, 40, 50, 63, 80, 100				
Cushion	Air cushion				
Auto switch mounting	Tie rod mounting				
Made to order	Piston rod, rod end nut made of stainless steel (-XC6)				

* Specifications other than above are the same as standard, basic style.

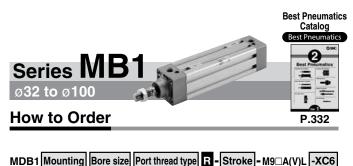
Dimensions



			(mm)
Bore size (mm)	F	н	ZZ
32	15	47	135 (141)
40	17	58	146 (152)
50	19	67	165 (173)
63	19	67	165 (173)
80	25	81	199 (209)
100	25	81	199 (209)

* Other specifications are the same as the double acting, single rod standard type.

* (): For the type without an air cushion.



With auto switch (Built-in magnet) Water resistant cylinder ● R NBR seals (Nitrile rubber) V FKM seals (Fluororubber) Water resistant 2-color ● indication solid state auto switch

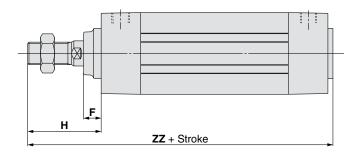
Made of stainless steel

Specifications

Action	Double acting, single rod			
Bore size (mm)	32, 40, 50, 63, 80, 100			
Cushion	Air cushion			
Auto switch mounting	Tie rod mounting			
Made to order	Piston rod, rod end nut made of stainless steel (-XC6)			
· Creatifications other than above are the same as standard, basis style				

* Specifications other than above are the same as standard, basic style.

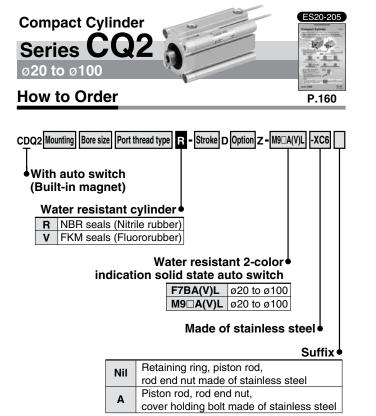
Dimensions

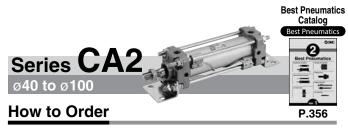


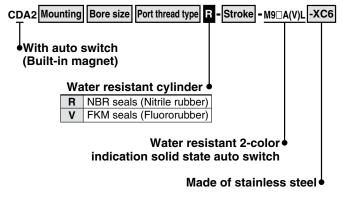
			(mm)
Bore size (mm)	F	Н	ZZ
32	15	47	135 (141)
40	17	58	146 (152)
50	19	67	165 (173)
63	19	67	165 (173)
80	25	81	199 (209)
100	25	81	199 (209)

* Other specifications are the same as the double acting, single rod standard type.

* (): For the type without an air cushion.







Note) Only ø20 to ø32 for -XC6A.

Specifications

Action	Double acting, single rod	
Bore size (mm)	20, 25, 32, 40, 50, 63, 80, 100	
Mounting	 Ø20 to Ø32 ······· B (through-hole) only Ø40 to Ø100 ····· B (through-hole), F (rod side flange) A (both ends tapped), G (head side flange) L (foot), D (double clevis) 	
Cushion	None	
Auto switch mounting	Rail mounting (D-F7BAL/F7BAVL)/Direct mounting (D-M9□A(V)L) Use auto switch brackets for ø20, ø25	
Made to order	Retaining ring, piston rod, rod end nut made of stainless steel (-XC6)	

* Specifications other than above are the same as standard, basic style.

Refer to page 160 of CAT.ES20-205 for details.

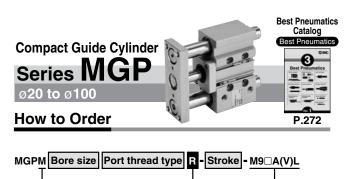
Specifications

Action	Double acting, single rod	
Bore size (mm)	40, 50, 63, 80, 100	
Cushion	Air cushion	
Auto switch mounting	Tie-rod mounting style	
Made to order	Piston rod, Rod end nut made of stainless steel (-XC6)	

* Specifications other than above are the same as standard, basic style. Note 1) Air-hydro type, rod boot specifications of Series CA2 are excluded. Note 2) Combination of auto switches and steel tube is not available.

Dimensions

* Other specifications are the same as the double acting, single rod standard type.



Slide bearing

Water resistant cylinderRNBR seals (Nitrile rubber)

V FKM seals (Fluororubber)

Water resistant 2-color indication solid state auto switch

* Piston rods and guide rods are made of stainless steel.

* Iron parts made of stainless steel are available as made to order.

* A scraper is available only for the piston rod.

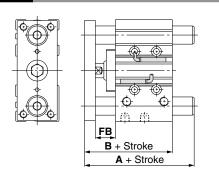
Specifications

Action		Double acting
Bearing ty	ре	Slide bearing
Bore size	(mm)	20, 25, 32, 40, 50, 63, 80, 100
Cushion	MGPM□□R	Rubber bumper
		Without cushion
Auto swite	h mounting	Direct mounting
		•

* Specifications other than above are the same as standard, basic style. Note) MGPM $\Box \Box V$ does not come with a cushion.

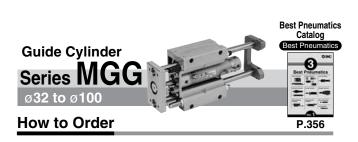
Refer to the allowable kinetic energy.

Dimensions



					(mm)
Dava sina					
Bore size (mm)	Below 50 strokes	Between 50 and 200 stokes	Over 200 strokes	В	FB
20	66	97.5	135	66	19
25	67.5	99	136	67.5	20
32	109	114	152	71.5	22
40	109	114	152	78	22
50	117.5	129	172	83	23
63	117.5	129	172	88	23
80	121	148	199	102.5	24
100	141	166	207	120	29

* Other specifications are the same as the standard type.



MGG	M Mounting Bore size Port three	ead t	ype R -	Stroke - H7E	BAL -XC6
	•Slide bearing				
W	ater resistant cylinder •				
R	NBR seals (Nitrile rubber)			ant 2-color	
V	FKM seals (Fluororubber)	i		solid state	
				auto switch	
			H7BAL	ø32 to ø63	
* A scraper is available only			G5BAL	ø80, ø100	
	the piston rod.		Made o	f stainless	steel •

Specifications

ø32 to ø50

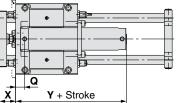
Action		Double acting	
Bore size (mm)		32, 40, 50, 63, 80, 100	
Bearing type		Slide bearing	
Cushion		Built-in rubber bumper and shock absorber	
Auto switch mounting		Band mounting	
	-XC6	Piston rod and rod end nut made of stainless steel	
Made to order	-XC6A	Stainless steel used on all iron parts	
	-XC6B	Stainless steel rod end moving parts	
	-XC6C	Stainless steel rods	

* Specifications other than above are the same as standard, basic style. Note 1) RBL (anti-coolant) type is used for shock absorbers.

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

Front mounting flange
X Y + Stroke

Ø63 to Ø100 Front mounting flange



	-1		(mm)
Bore size (mm)	Q	Х	Y
32	16	48	77 (85)
40	17	58	84 (93)
50	19	69	97 (109)
63	34	56	112 (124)
80	46	68	137 (151)
100	47	68	138 (152)

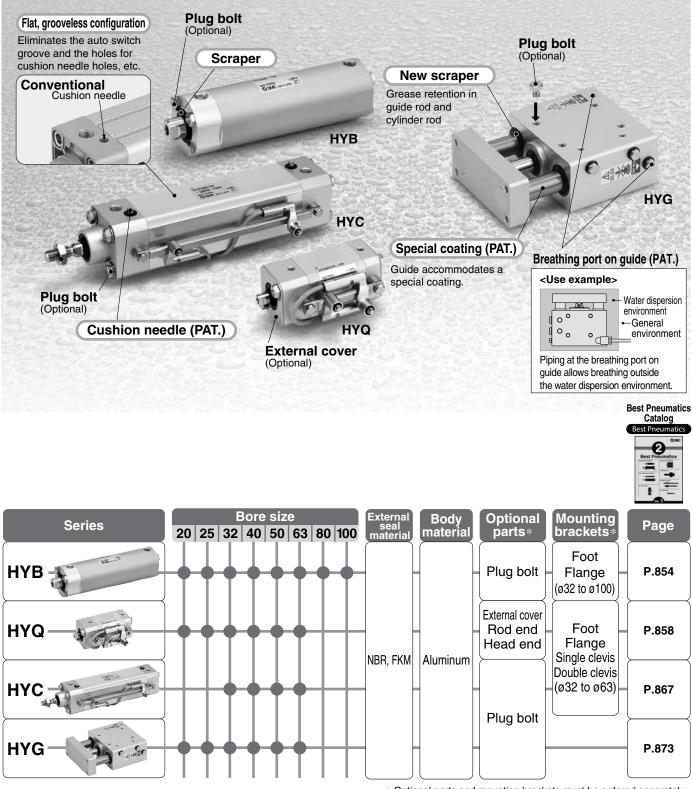
(mm)



* (): For the long stroke type.

Hygienic Design Cylinder

- A water resistant cylinder configured for easy cleaning.
- Five times increase in service life compared to water resistant cylinder. * In SMC conditions.
- Grease for food (NSF-H1 certified) is available.
- External seal material: Choice of NBR or FKM
- Mounting section: Conforms to ISO/VDMA standard. (Series HYQ, HYC)



SMC

* Optional parts and mounting brackets must be ordered separately. Refer to pages 885 to 889 of Best Pneumatics No.2 for detailed specifications.

Air Cylinder Heat Resistant Cylinder (14 to 302°F (–10 to 150°C)): -XB6

• Air cylinder which changed the seal material and grease, so that it could be used even at higher temperature up to 302 (150) from 14°F (-10°C).

Applicable Series

Series	Description	Model	Action	Note	Cat	talog page
JP2	Pin cylinder	CJP2	Double acting, Single rod	Except clevis and trunnion style	From P. 23	
. 10	Airedor	CJ2	Double acting, Single rod	Except with air cushion	E	
CJ2	Air cylinder	CJ2W	Double acting, Double rod	Except with air cushion	From P. 42	
	Ale estimates	CM2	Double acting, Single rod			
	Air cylinder	CM2W	Double acting, Double rod			
		CM2K	Double acting, Single rod		From P. 128	
CM2	Non-rotating rod type	CM2KW	Double acting, Double rod			
	Direct mount type	CM2R	Double acting, Single rod			
	Non-rotating rod, Direct mount type	CM2RK	Double acting, Single rod			
	End lock cylinder	CBM2	Double acting, Single rod			
	Air - diadar	CG1	Double acting, Single rod	Without a bumper for cylinders with a rubber bumper		
G1	Air cylinder	CG1W	Double acting, Double rod	Without a bumper for cylinders with a rubber bumper	From P. 222	
	Direct mount type	CG1R	Double acting, Single rod	Without a bumper for cylinders with a rubber bumper		
10		MB	Double acting, Single rod	Except without air cushion	E	Best Pneumatic
ЛB	Air cylinder	MBW	Double acting, Double rod	Except without air cushion	From P. 290	Catalog
104	Ain an fin da n	MB1	Double acting, Single rod	Except without air cushion	E	Best Pneumatics
/B1	Air cylinder	MB1W	Double acting, Double rod	Except without air cushion	From P. 332	2
	A. P. I	CA2	Double acting, Single rod			Best Pneumatics
CA2	Air cylinder	CA2W	Double acting, Double rod		From P. 356	
	End lock cylinder	CBA2	Double acting, Single rod			
CUJ	Mini free mount cylinder	CUJ	Double acting, Single rod	Except ø4	From P. 466	
	Free mount cylinder	CU	Double acting, Single rod	·		
	Non-rotating rod type	CUK	Double acting, Single rod			
U	Long stroke	CU	Double acting, Single rod		From P. 483	
	Long stroke, Non-rotating rod	CUK	Double acting, Single rod			
	Compact cylinder	CQS	Double acting, Single rod	Except with rubber bumper		
CQS		CQSW	Double acting, Double rod	Except with rubber bumper	From P. 551	
CG5	Stainless cylinder	CG5	Double acting, Single rod	Without a bumper for cylinders with a rubber bumper (Grease for non-food is used.)	From P. 840	NAS20-196
CY3	Magnetically coupled rodless cylinder	CY3B	Basic type	No bumper	From P. 1174	Air Cylleder
	Air er die dan	CS1⊡N	Double acting, Single rod			BA TEL
S1	Air cylinder	CS1W⊡N	Double acting, Double rod	Applicable bore size (ø125 to ø200)	From P. 412	ES:
	A. P. I	CS2	Double acting, Single rod			「日北」で
CS2	Air cylinder	CS2W	Double acting, Double rod		CAT.NAS20-196	and the sec
	O	CQ2	Double acting, Single rod	Except with rubber bumper		1
Q2	Compact cylinder	CQ2W	Double acting, Double rod	Except with rubber bumper	CAT.ES20-205	100
	Axial piping type (Centralized piping type)	CQP2	Double acting, Single rod	Except with rubber bumper	1	and the
/IGP	Compost quido quindor	MGPM	Double acting	Except those with air cushion or end lock	From P. 272	Best Pneumatic
/IGQ	Compact guide cylinder	MGQ	Double acting	Except ø12 to ø25 of MGQL (Ball bushing type)	From P. 338	Catalog
/IGG	Outide audiadeu	MGG	Double acting	No shock absorber and rubber bumper are equipped.	From P. 356	Best Pneumatics
/IGC	Guide cylinder	MGC	Double acting		From P. 392	
CXSJ	Dural word and in starting to a	CXSJ	Compact type		From P. 549	Best Pneumatics
CXS	Dual rod cylinder	CXS	Basic type		From P. 561	

How to Order

Standard model no.

– <u>XB6</u>

Heat resistant cylinder

Specifications

Ambient temperature range	14 to 302°F (-10°C to 150°C) (32 to 302°F (0 to 150°C for CS1 and CS2))	
Seals materials	Fluororubber	
Grease	Heat resistant grease	
Specifications other than above and external dimensions	Same as standard type	

∆Warning

Precautions

Be aware that smoking cigarettes, etc. after your hands have come into contact with the grease used in this cylinder can create a gas that is hazardous to humans.

- Note 1) Operate without lubrication from a pneumatic system lubricator.
 - Note 2) Please contact SMC for details on the maintenance intervals for this cylinder, which differ from those of the standard cylinder.
 - Note 3) In principle, it is impossible to make built-in magnet type and the one with auto switch. But, as for the one with auto switch, and the heat resistant cylinder with heat resistant auto switch, since it will be differed depending on the series, please contact SMC.
 - Note 4) Piston speed is ranged from 50 to 500 mm/s. But, for MGQ□80, 100, MGP□80, 100 and CY3B series it will be 50 to 400 mm/s.
 - Note 5) Please contact SMC for Series CQ2, CQS and MGQ with rubber bumper.
 - Note 6) As for the ambient temperature range of Series CY3B, since the magnetic holding force will be varied depending on the operating conditions, make sure that by referring to the next page.
 - Note 7) The ambient temperature range of the CY3B series is 122 to 302°F (50 to 150°C).



Series CY3B How to Order			
CY3B Bore size	Port thread type	- Stroke - XB	5

Heat resistant cylinder

Specifications

Applicable size	CY3B
Bore size	ø6 to ø63
Ambient and fluid temperature	122 to 302°F (50 to 150°C)*
Maximum operating pressure	73 psi (0.5 MPa)
Piston speed	50 to 400 mm/s*

* When using in less than 212°F (100°C) range, since it could make a difference in the maintenance cycle, depending on the operating speed, use it at 200 mm/s or less.

Operating Pressure Limit for Intermediate Stop and Vertical Operation

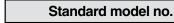
Maximum operating pressure at the intermediate stop	58 psi (0.4 MPa)*
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* Use caution that the magnet coupling will be removed, if it is used to stop in an intermediate stroke by an external stopper with the operating pressure over 58 psi (0.4 MPa).

Magnetic Holding Force lbf (N) Bore size 6 10 15 20 25 32 40 50 63 (mm) Holding force 2.03 3.24 8.99 36.0 56.2 92.2 144 225 357 (at 302°F (14.4)(40.0) (90.1) (160)(250) (410) (641)(1000) (1590) (150°C)) Holding force 2.41 427 3.89 10.8 43.2 67.2 110 172 268 (at 212°F (17.2) (47.9) (107)(192)(299)(490) (766)(1190)(1900) (100°C))





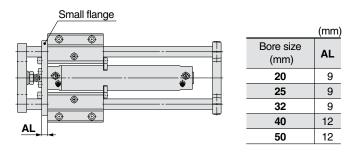


Heat resistant cylinder

XB6

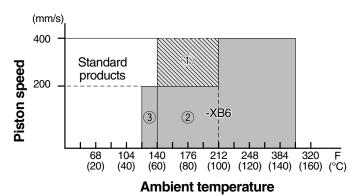
Dimensions (Dimensions other than the below are the same as the standard type.)

Series MGCLB



Temperature Range for Operating Cylinder and Piston Speed

- 1. When using with the operating temperature from 140 (60) up to 212°F (100°C), and the piston speed of more than 200 mm/s, please consult with SMC separately.
- 2. When using with the operating temperature from 50 up to 100°C, and the piston speed of less than 200 mm/s, XB6 specifications can be used.
- 3. As for XB6, regarding the temperature range (over 122 to 212°F (50 to 60°C)) which overlaps the one of standard products, consider the tendency of operating temperature (upper, lower limits), then choose a model.



When using with the operating temperature fluctuated between 122°F (50°C) or less and 212°F (100°C) or more, the operating speed, etc. will be largely restricted by the durability. Prior to use, please contact SMC.

<Reference>

Maintenance cycle for XB6 could vary substantially, depending on the operating condition and the ambient temperature. Even if using in our recommended range, as a guide, conduct it in around 1/2 intervals, compared to the standard products.

Air Gripper Heat Resistance: -X4

 Seal material and grease have been changed, so that it could be used even at higher temperature up to 212 (100) from 14°F (-10°C).

Applicable Series

Series	Description	Model	Action	Note	Cat	alog page
		MHC2	Double acting, Single acting (Normally open)		P.633	
мнс	Angular style	MHCA2	Double acting, Single acting (Normally open)	Magnet is not built-in.	P.622	
		MHCM2	Single acting (Normally open)	Magnet is not built-in.	P.631	
MHF	Low profile	MHF2	Double acting		P.452	
МНК	Wedge cam operation slide guide	MHK2	Double acting, Single acting (Normally open, Normally closed)		P.522	
		MHKL2	Double acting, Single acting (Normally open, Normally closed)			
MHL	Wide opening	MHL2	Double acting		P.474	
	2-finger type	MHS2	Double acting		P.544	
	3-finger type	MHS3	Double acting		P.552	Best Pneumatics Catalog
MHS	3-finger type with dust cover	MHSJ3	Double acting		P.562	Best Pneumatics
	With through hole	MHSH3	Double acting		P.570	
	With through hole and dust cover	MHSHJ3	Double acting			
	Long stroke 3-finger type	MHSL3	Double acting		P.586	
	4-finger type	MHS4	Double acting		P.596	
МНТ	Toggle type	MHT2	Double acting		P.644	
MHW	180° angular style	MHW2	Double acting		P.669	
MHY	180° angular style cam style	MHY2	Double acting		P.662	
MHZ	Parallel style (compact)	MHZA2	Double acting, Single acting (Normally open, Normally closed)	Magnet is not built-in.		
	Parallel style with dust cover (compact)	MHZAJ2	Double acting, Single acting (Normally open, Normally closed)	Magnet is not built-in.	– P.388	
	Parallel style	MHZ2	Double acting, Single acting (Normally open, Normally closed)		P.397 to 399	
	Parallel style (long stroke)	MHZL2	Double acting, Single acting (Normally open, Normally closed)		P.414	
	Parallel style with dust cover	MHZJ2	Double acting, Single acting (Normally open, Normally closed)		P.424	

How to Order

Standard part number for each series

Heat resistance

X4

Specifications

Ambient temperature range	14 to 212°F (-10 to 100°C)			
Seal material	Fluororubber			
Grease	Heat resistant grease (GR-F)			
Specifications/dimensions other than the above	Same as the standard type			

∆Warning

Handling Precautions

Be aware that smoking cigarettes after your hands have come into contact with the grease used for this air gripper can create a gas that is hazardous to humans.

- Note 1) Magnet is built-in, but when using an auto switch, the acceptable temperature range becomes 14 to 140°F (-10 to 60°C).
- Note 2) With the part number for the dust cover option, only fluororubber (F) or silicon rubber (S) options may be selected.
- Note 3) With the part number compatible with body options, only E type or M type are compatible.

Note 4) For lubrication, specialized grease GR-F is recommended.



Best Pneumatics Catalog Best Pneumatics

Related Product	* For details, refer to the following Best Pneumatics or individual ca		Osc Best Prevention Best Prevention Best Prevention Best Prevention Best Prevention
Heat Resistance			
Vacuum Pad			
· Vacuum Pad ······	es ZP	- 4 P.1119	
Air Line Equipment			
· Regulators for High Temperature			
(Made to Order)AR	/AW-X440	- ⑤ P.346, 366	
 Precision Regulators for High Tempe 			Vacuum Pad <i>Series ZP</i>
(Made to Order) IR-	Τ	- ⑤ P.549	
Fittings & Tubing			
Brass One-touch Fittings			
Stainless Steel 316 One-touch Fitting		Sorios K	
Stainless Steel 316 Insert Fittings		-	
S Couplers Stainless Steel Type	··· Series KKA ————	- () P.267	
Fluoropolymer Fittings Hyper Fitting		- A P 201 317	Series KKA
Fluoropolymer Tubing			
· FEP Tubing (Fluoropolymer)		1000	
Soft Fluoropolymer Tubing			
 Flow Control Equipment 		G i loss	
Speed Controller:High Temperature	Carias AS-H	- B D 456	
	···· Series AJ-II	• • F.430	Series LQ3
Sensor			
Digital Flow Switch for Water (High Temperature Fluid Type)	Series PF2W T	Series TL/TIL	Best Pneumatics Catalog
· Digital Flow Switch for Deionized Wat		G 111000	Best Pneumatics ES11-101
and Chemicals		- 6 P.1015	Best Provinatios
Osmosian Desistance (Motor	Desistance		
Corrosion Resistance / Water	Resistance		
Directional Control Valves (IP6)	5/IP67 compliant)		NAS11-88 NAS11-100 NAS100-79 International and the second secon
· 5 Port Solenoid Valve	··· Series SV/VQC	– 1 P.343, CAT.ES11-101	
4/5 Port Solenoid Valve	···· Series SY/SYJ	– 1 P.101, 453	
• 7 mm Width Compact Pilot Type			for the second secon
5 Port Solenoid Valve		- CAT.NAS11-88	11114-
• 5 Port Solenoid Valve		Distant	
• 5 Port Solenoid Valve		– 1 P.907	
■ Fittings & Tubing (Stainless ste			Series SV
Stainless Steel 316 One-touch Fitting:		- (i) P.229	
Stainless Steel 316 Insert Fittings		- (i) P.253	Series VQC
Miniature Fittings/Stainless Steel 316 S Couplers Stainless Steel Type		- ⓒ P.262 - ⓒ P.267	A
Stainless Steel Speed Controller			
Sensor (IP65/IP67 compliant)	Selles AUG	E E	
High-Precision Digital Pressure Switch	Contine 78E/01/E)/ISE/01-	Series A	sg 🖓
• Algh-Precision Digital Pressure Switch • 2-Color Display Digital Pressure Switch	• •		Series KFG
· 2-Color Display Digital Pressure Switch		-	
High-Precision Digital Pressure Switch			
for General Fluids		- 6 P.747	1000 AL
Pressure Sensor for General Fluids		- 6 P.837	UT Gee
Digital Flow Switch for Air/Water		- 6 P.971 Series ISE	80 Series PSE56
	SMC		26

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