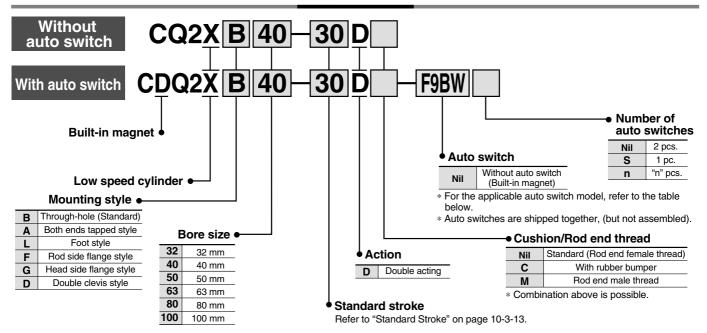
Low Speed Cylinder Double Acting, Single Rod Series CQ2X ø32, ø40, ø50, ø63, ø80, ø100

How to Order



Applicable Auto Switch/Refer to page 10-20-1 for further information on auto switches.

	Special function	Electrical	Indicator light	Wiring (Output)	Load voltage		Rail mounting style		Direct mou	Direct mounting style		Lead wire length (m						
Туре					DC		40 0	ø32 to	ø32 to ø100		ø32 to ø100		3		None	Pre-wire		cable
		entry		(Output)	L		AC	Perpendicular	In-line	Perpendicular	In-line	(Nil)	(L)	(Z)	(N)	connector	10	ad
<u>۔</u>			9S	3-wire (NPN equivalent)	_	5 V	_	_	А76Н	A96V	A96	•	•	_	_	_	IC circuit	_
Vitc.		Grommet		2-wire	_	_	200 V	A72	A72H		_	•	•	_	_	_		
Š	_				12 '		100 V	A73	A73H		_	•	•	•	_	_		Relay,
Reed switch			Σ			12 V		_	_	A93V	A93	•	•	_	_	_	_	
Œ		Connector					_	A73C	I	_	_	•	•	•	•			PLC
	Diagnostic indication (2-color indication)	Grommet				_	_	A79W	-	_	_	•	•	_	_	_		
	_	Grommet		3-wire (NPN)		5 V, 12 V	/	F7NV	F79	M9NV	M9N	•	•	0	_	0		
_			:	3-wire (PNP)	1			F7PV	F7P	M9PV	M9P	•	•	0	_	0	IC circuit	
switch				<u> </u>	1	40.14		F7BV	J79	M9BV	М9В	•	•	0	_	0		
Š		Connector		2-wire		12 V		J79C	_	_	_	•	•	•	•	_	_	
state	Dia Maria dia attau		Yes	3-wire (NPN)	24 V	5 V 40 V	, -	F7NWV	F79W	F9NWV	F9NW	•	•	0	_	0	IC airearit	Relay,
Solid st	Diagnostic indication (2-color indication)	'	_	3-wire (PNP)		5 V, 12 V		_	F7PW	F9PWV	F9PW	•	•	0	_	0	IC circuit	PLC
				2-wire	12 V	12 V		F7BWV	J79W	F9BWV	F9BW	•	•	0	_	0		
	With diagnostic output (2-color indication)			4-wire (NPN)		5 V, 12 V		_	F79F	_	_	•	•	0	_	0	IC circuit	

^{*} Lead wire length symbols:

0.5 m ······· Nil (Example) A73C 3 m ····· L (Example) A73CL

5 m······ Z (Example) A73CZ None ···· N (Example) A73CN

• Since there are other applicable auto switches than listed, refer to Best Pneumatics Vol. 7 for details.

* Solid state switches marked with "O" are produced upon receipt of order.

⁵ m....... Z (Example) A73CZ

[•] For details about auto switches with pre-wire connector, refer to page 10-20-66.

Low Speed Cylinder Double Acting, Single Rod Series CQ2X

JIS Symbol

Double acting, Single rod

Specifications

Bore size	32	40	50	63	80	100		
Model	Pneumatic (Non-lube)							
Fluid	Air							
Proof pressure		1.5 MPa						
Maximum opera			1.0	MPa				
Ambient and fluid temperature		Without auto switch: -10 to 70°C (No freezing) With auto switch: -10 to 60°C (No freezing)						
Piping	Screw-in type	Note) M5 x 0.8 Rc ¹ / ₈	Rc ¹ / ₈	Rc ¹ / ₄	Rc ¹ / ₄	Rc ³ /8	Rc ³ /8	
Rubber bumper	•	None						
Rod end thread		Female thread						
Rod end thread	JIS Class 2							
Stroke length to	+1.0 0							
Mounting	Through-hole							
Piston speed		0.5 to 300 mm/s						

Note) Only 5 stroke comes with M5 x 0.8 in the case of no auto switch.

Minimum Operating Pressure

Bore size (mm)	32	40	50	63	80	100
Min. operating pressure (MPa)	0.0)25		0.	01	

Standard Stroke

Bore size (mm)	Standard stroke (mm)	 Manufacturing of Intermediate s
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100	available by u cylinders. But, please consult v
50, 63 80, 100	10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100	Example) 18 r

of Intermediate stroke strokes by the 1 mm interval are using spacers with standard stroke as for ø40 to ø100 with damper, with SMC separately.

mm width spacer is installed in the ndard cylinder CQ2XB40-75D to make CQ2XB40-57D.

Be sure to read before handling. For Safety Instructions and Actuator I Precautions, refer to pages 10-24-3 to 10-24-6.

Snap Ring Installation/Removal

⚠ Caution

- 1. For installation and removal, use an appropriate pair of pliers (tool for installing a
- type C snap ring).

 2. Even if a proper plier (tool for installing type C snap ring) is used, it is likely to inflict damage to a human body or peripheral equipment, as a snap ring may be flown out of the tip of a plier (tool for installing a type C snap ring). Be much careful with the popping of a snap ring. Besides, be certain that a snap ring is placed firmly into the groove of rod cover before supplying air at the time of installment.

Pneumatic Circuit

1. Pressure supplied to cylinder should be set affordably. When the operating pressure is low, low speed operation may not be stable depending on a load condition. Besides, the maximum speed may be restricted depending on a pneumatic circuit, or operating pressure.

Maintenance

⚠ Caution

1. Replacement parts/Seal kit Order it in accordance with the bore size.

Bore size (mm)	Kit no.	Contents			
32	CQ2X32-PS	Piston seal:	1	pc.	
40	CQ2X40-PS	T lotori oodi.	•	po.	
50	CQ2X50-PS	Rod seal:	1	pc.	
63	CQ2X63-PS	Gasket:	1	рс.	
80	CQ2X80-PS	0			
100	CQ2X100-PS	Grease pack (10 g):		pc.	

2. Grease pack

When maintenance requires only grease, use the following part numbers to order. Grease pack

GR-L-005 (5 g)

GR-L-010 (10 g) GR-L-150 (150 g) REA **REC**

C□X

C MQ Q

RHC

MK(2)

RS_G RS^H

RZQ

MIS

CEP1

CE₁

CE₂

ML2B

C_G5-S

CV

MVGQ

CC

RB

-X

20-

Data

Mounting Bracket Part No.

Bore size (mm)	Foot (1)	Flange	Double clevis			
32	CQ-L032	CQ-F032	CQ-D032			
40	CQ-L040	CQ-F040	CQ-D040			
50	CQ-L050	CQ-F050	CQ-D050			
63	CQ-L063	CQ-F063	CQ-D063			
80	CQ-L080	CQ-F080	CQ-D080			
100	CQ-L100	CQ-F100	CQ-D100			

Note 1) When ordering foot bracket, order 2 pieces per cylinder.

Note 2) Parts belonging to each bracket are as

follows

Foot or Flange: Body mounting bolts Double clevis: Clevis pin, Type C snap ring for shaft, Body mounting bolts

Note3) For double clevis style, clevis pin and snap ring are shipped together.