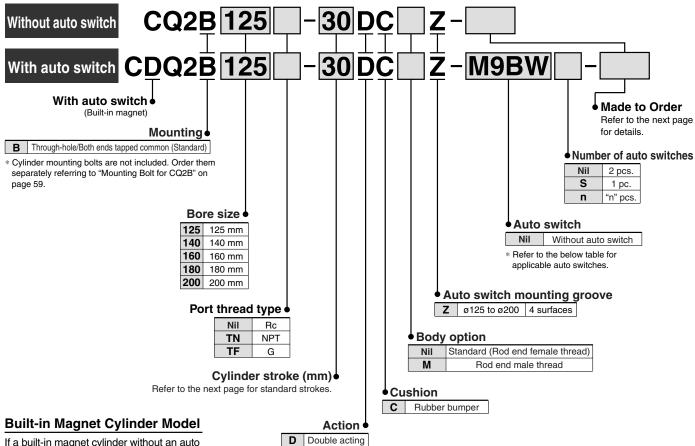
Compact Cylinder: Large Bore Size Double Acting, Single Rod

Series CQ2

ø125, ø140, ø160, ø180, ø200

How to Order



If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) CDQ2B140-30DCZ

Applicable Auto Switches/Refer to pages 1263 to 1371 in Best Pneumatics No. 2 for further information on auto switches.																																	
	e Special function	Electrical entry	Indicator	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m)				(m)																				
Туре					D	C	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)		Applicable load																	
_		Grommet	Yes	3-wire (NPN)	12 12 5 V 12 24 V 12 12 5 V 12 12	5 V,		M9NV	M9N	•	•	•	0		0	IC circuit																	
switch				3-wire (PNP)		12 V 12 V 5 V, 12 V —	M9PV	M9P	•	•	•	0		0	IC CITCUIT																		
NS S				2-wire				M9BV	M9B	•	•	•	0		0	_																	
auto	Diagnostic indication (2-color indication)			3-wire (NPN)				M9NWV	M9NW	•	•	•	0	-	0	IC circuit	D-1																
ä				3-wire (PNP)			_	M9PWV M9PW	M9PW	•	•	•	0	-	0	IC CITCUIT	Relay, PLC																
state				2-wire		12]]		1]					12 V		M9BWV	M9BW	•	•	•	0	-	0	_
S D	Water resistant (2-color indication)			3-wire (NPN)		5 V, 12 V		M9NAV**	M9NA**	0	0	•	0		0	- IC circuit																	
Solid				3-wire (PNP)				M9PAV**	M9PA**	0	0	•	0	-	0																		
o)				2-wire			2 V	M9BAV**	M9BA**	0	0	•	0	-	0																		
Reed o switch		Grommet	Yes	3-wire (NPN equivalent)	_	5 V	_	A96V	A96	•	_	•	_	_	_	IC circuit	_																
				2-wire	2-wire 24 V	12 V	100 V	A93V	A93	•	-	•	_	_	_	_	Relay,																
R auto				Z-wife Z	24 V	5 V, 12 V	100 V or less	A90V	A90	•		•			_	IC circuit	PLC																

^{* *} Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Consult with SMC regarding water resistant types with the above model numbers.

* Lead wire length symbols: 0.5 m ······ Nil (Example) M9NW

1 m ······· M (Example) M9NWM

3 m L (Example) M9NWL 5 m Z (Example) M9NWZ

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

^{*} For details about auto switches with pre-wired connector, refer to pages 1328 and 1329 in Best Pneumatics No. 2.

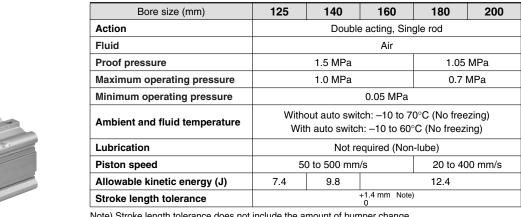


^{*} There are other applicable auto switches other than the listed above. For details, refer to page 175.

Made to Order

Compact Cylinder: Large Bore Size Double Acting, Single Rod Series CQ2

Specifications



Note) Stroke length tolerance does not include the amount of bumper change.



JIS Symbol Double acting, Single rod



Made to Order (For details, refer to pages 177 to 207.)

	(i or detaile, refer to pugget iii to zeri)						
Symbol	Specifications						
-XB10	Intermediate stroke (Exclusive body type)						
-X271	Fluororubber seals, ø125 to ø160 only						

Standard Strokes

		(mm)
Bore size (mm)	Standard stroke	
125, 140, 160 180, 200	10, 20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250, 300	

Manufacture of Intermediate Strokes

Type	A spacer is installed in the	ne standard stroke body.	Exclusive body (-XB10)				
Part no.	Refer to "How to C standard model no		Suffix "-XB10" to the end of standard model number. (P. 57)				
Description	Strokes in 5 mm ir available by install the standard strok	ling a spacer in	Strokes in 1 mm intervals are available by using an exclusive body with the specified stroke.				
Ctroke renge	Bore size	Stroke range	Bore size	Stroke range			
Stroke range	125 to 200	5 to 295	125 to 160	11 to 299			
Example	Part no.: CQ2B160 CQ2B160-175DC width spacer insid The B dimension i	Z with 10 mm e	Part no.: CQ2B160-165DCZ-XB10 Makes 165 mm stroke tube. The B dimension is 256 mm.				

Refer to pages 169 to 175 for the specifications of cylinders with auto switches.

- Auto switch proper mounting position (detection at stroke end) and its mounting height
- Minimum stroke for auto switch mounting
- Operating range
- Auto switch mounting brackets/Part no.