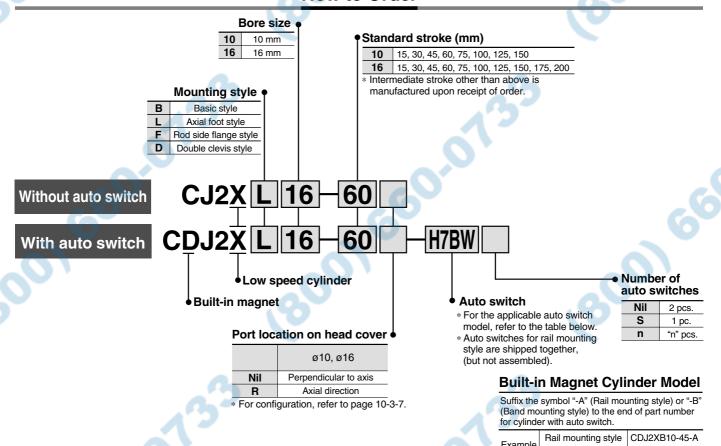
Low Speed Cylinder Double Acting, Single Rod Series CJ2X

How to Order



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

		F1	ight		L	oad volta	age	Auto	o swit	ch model		Lead	wire l	ength	(m)*			7
Туре	Special function	Electrical entry	Indicator light	Wiring (Output)		·C	0 40	Band mounting	Rail mounting		0.5	3		None	Pre-wire connector	Applic		
				(Output)	L	OC AC	AC Band mounting	Perpendicular	In-line	(Nil)	(L)	(Z)	(N)	COMMECTOR	100	load		
S		Grommet	et Kes	3-wire (NPN equivalent)	_	5 V		C76		-	A76H	•	•	_		-	IC circuit	
SWil	1 1 –			2-wire		_	200 V	_		A72	A72H	•	•	_	_	_	1	
Reed switch					24 V	12 V	100 V	C73		A73	A73H	•	•	•				— Relay, PLC
		Connector				12 V	2	C73C		A73C	_	•	•	•	•	7	-	
	Diagnostic indication (2-color indication)	Grommet						_		A79W	_	•	•	-	¥	L		
등	[3-wire (NPN) 3-wire (PNP)		5 V, 12 V		H7A1		F7NV	F79	•	•	0	Ī	0	IC circuit	
							<u>'</u>	H7A2		F7PV	F7P	•	•	0	Í	0		
switch			2-wire		10.1/		H7B		F7BV	J79	•	•	0		0			
Diagnostic indication (2-color indication) With diagnostic output (2-color indication)				Connector	es	Z-WIIE	24 V	12 V	H7C J7	J79C	_	•	•	•	•	0		Relay,
	I			3-wire (NPN)	24 V	EV 10 V		H7NW	1	F7NWV	F79W		•	0	1	0		PLC
		(2-color indication) Gr	(2-color indication) Grommet 2-v	3-wire (PN	3-wire (PNP)	5 V, 12 V		H7PW	'	_	F7PW			0	_	0	IC circuit	
				2-wire		12 V		H7BW	1	F7BWV	J79W			0		0	_	
			4-wire (NPN)		5 V, 12 V		H7NF		_	F79F	•	•	0		0	IC circuit		

* Lead wire length symbols:

0.5 m Nil (Example) C73C (Example) C73CL

3 m..... L 5 m.... Z (Example) C73CZ (Example) C73CN * Solid state switches marked with "O" are produced upon receipt of order.

Band mounting style CDJ2XB16-60-B

[•] Since there are other applicable auto switches than listed, refer to Best Pneumatics Vol. 6 for details

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

Low Speed Cylinder Double Acting, Single Rod Series CJ2X



JIS Symbol

Double acting, Single rod



⚠ Precautions

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

Mounting

Caution

1. During installation, secure the rod cover and tighten by applying an appropriate tightening force to the retaining but or to the rod cover body.

If the head cover is secured or the head cover is tightened, the cover could rotate, leading to the deviation.

2. Proper tightening torque for mounting thread should be within the range specified. Apply a Loctite® (no. 242 Blue) for mounting thread.

Bore size (mm)	Proper tightening torque for mounting thread (N·m) (tightening torque for mounting nut)
10	3.0 to 3.2
16	5.4 to 5.9

3. To remove and install the snap ring for the knuckle pin or the clevis pin, use an appropriate pair of pliers (tool for installing a type C snap ring).

Especially with ø10, use ultra thin pliers, such as Super Tool Corp., CSM-07A.

4. For the auto switch mounting rail, do not remove the pre-equipped rail. Since the mounting thread is drilled through inside a the cylinder, it will result in air leakage.

Operating Precautions

🗥 Warning

1. It might not be able to control by meter-out at a low speed operation.

1. For Series CJ2X, 0.1 Ne/min is the values at maximum in terms of its construction and there is internal leakage (ANR).

Specifications

Action		Double acting, Single rod			
Fluid		Air			
Proof pressure		1.05 MPa			
Maximum operating pressure		0.7 MPa			
Minimum operating pressure		0.06 MPa			
Ambient and fluid temperature		Without auto switch: -10 to 70°C (No freezing) With auto switch: -10 to 60°C (No freezing)			
Cushion		Rubber bumper (Standard equipment)			
Lubrication		Not required (Non-lube)			
Thread tolerance		JIS Class 2			
Stroke length tolerance		+1.0 0			
Piston speed		1 to 300 mm/s			
ø10		0.035 J			
Allowable kinetic energy	ø16	0.090 J			

Standard Stroke

Bore size (mm)	260	Standard stroke (mm)	
10	6	15, 30, 45, 60, 75, 100, 125, 150	6
16		15, 30, 45, 60, 75, 100, 125, 150, 175, 200	

Mounting Style and Accessory

9	Mounting	Basic style	Axial foot style	Rod side flange style	Double* clevis style
ent	Mounting nut	•	•	•	_
Standard	Rod end nut	•	•	•	•
Sta	Clevis pin	_	5 –	_	•
	Single knuckle joint	465	•	•	•
Option	Double knuckle joint*	7.	•	•	•
	T-bracket				•

^{*} Pin and snap ring are shipped together with double clevis and double knuckle joint.

Port Location on Head Cover

For basic style, the port position in a head cover is available either perpendicular to the axis or in-line with the cylinder axis.



Mounting Bracket Part No.

Mounting	Bore size (mm)					
bracket	10	16				
Foot bracket	CJ-L010B	CJ-L016B				
Flange bracket	CJ-F010B	CJ-F016B				
T-bracket*	CJ-T010B	CJ-T016B				
Three-less is used with deville elevie (D)						

T-bracket is used with double clevis (D).

Auto Switch Mounting Bracket Part No. (Band mounting style)

Bore size (mm)	Auto switch mounting bracket part no.	Note		
10	BJ2-010	Common for the types of		
16	BJ2-016	D-C7/C8 and D-H7		
	202 0.0			

RE^A

REC

C□X

CUY

MQ_M

RHC

MK(2)

RS G

RS A

RZQ

MI S CEP1

CE₁

CE₂

ML2B

C_G5-S

CV

MVGQ

CC

RB

J

D-

-X

20-

Data

