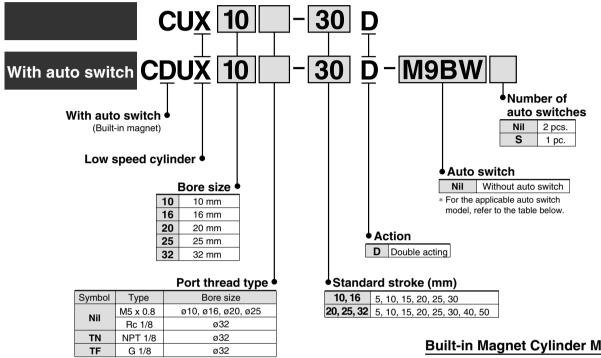
Low Speed Cylinder Double Acting, Single Rod Series CUX ø10, ø16, ø20, ø25, ø32

How to Order



Built-in Magnet Cylinder Model

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) CDUX20-25D

Applicable Auto Switch/Refer to pages 1719 to 1827 for further information on auto switches.

Туре	Special function Electrical entry	Ela atria al	ight	\A(:i	Load voltage		Auto switch model		Lead wire length (m)			n (m)	Due suine d				
		entry	Indicator light	Wiring (Output)	D	С	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	Pre-wired connector	Applical	Applicable load	
Solid state switch	_	Grommet		3-wire (NPN)		5 V, 12 V		M9NV	M9N	•	•	•	0	0	IC circuit		
				3-wire (PNP)	24 V		1	M9PV	M9P	•	•	•	0	0	— Relay,		
				2-wire		12 V		M9BV	M9B	•		•	0	0		Relay,	
	Diagnostic indication (2-color indication)	Gioillilet	Yes	3-wire (NPN)	24 V	5 V. 12 V	_	M9NWV M9NW	•	•	•	0	0	IC circuit	PLC		
				3-wire (PNP) 2-wire	3 V, 12 V		M9PWV	M9PW	•		•	0	0				
						12 V	2 V	M9BWV	M9BW	•		•	0	0	_		
Reed	— Grom	Grommet Yes 3-wire Yes (NPN equivalent	Ye	Yes		_	5 V	_	A96V	A96	•	_	•	_	_	IC circuit	_
			2-wire	24 V 12	12 V	100 V	A93V	A93	•	_	•	_	_	_	Relay,		
			No	Z-wire	24 V	12 V	100 V or less	A90V	A90	•	_	•	_	_	IC circuit	PLC	

^{*} Lead wire length symbols: 0.5 m ····· Nil (Example) M9NW (Example) M9NWM 1 m M (Example) M9NWL 5 m Z (Example) M9NWZ

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

^{*} Since there are other applicable auto switches than listed, refer to page 1128 for details.

^{*} For details about auto switches with pre-wired connector, refer to pages 1784 and 1785. * Auto switches are shipped together (not assembled).

Low Speed Cylinder Double Acting, Single Rod Series CUX

Specifications



Bore size (mm)	10	16	20	25	32				
Fluid	Air								
Proof pressure	1.05 MPa								
Maximum operating pressure	0.7 MPa								
Ambient and fluid temperature	Without auto switch: -10 to 70°C (No freezing) With auto switch: -10 to 60°C (No freezing)								
Lubrication	Not required (Non-lube)								
Piston speed	ø10, ø16: 1 to 300 mm/s ø20 to ø32: 0.5 to 300 mm/s								
Cushion	Rubber bumper on both ends								
Rod end thread	Male thread								
Stroke length tolerance	+1.0 Note)								
Mounting	Basic style								
Niete) Televenee ±1.0									

Note) Tolerance +1.0

JIS Symbol

Double acting, Single rod



Minimum Operating Pressure

Bore size (mm)	10	16	20	25	32
Min. operating pressure (MPa)	0.06	0.06	0.05	0.05	0.05

Standard Stroke

Bore size (mm)	Standard stroke (mm)
10, 16	5, 10, 15, 20, 25, 30
20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50

⚠ Precautions

Be sure to read before handling.

Refer to front matters 42 and 43 for Safety Instructions and pages 3 to 11 for Actuator and Auto Switch Precautions.

Mounting

∆ Caution

 Tightening the cylinder beyond the range of the indicated torque (shown in the table below) may affect operation.
 Apply Loctite[®] (no. 242, Blue) to the mounting threads.

Bore size (mm)	Hexagon socket head (mm)	Proper tightening torque (N·m) (Cylinder body)			
10	M3	0.54 ±10%			
16	M4	1.23 ±10%			
20, 25	M5	2.55 ±10%			
32	M6	4.02 ±10%			

Operating Precautions

△Warning

1. It might not be able to control CUX10 by meter-out at a low speed operation.

⚠Caution

1. For CUX10, up to 0.1 Nt/min (ANR) of internal leakage is anticipated due to cylinder structure.

Maintenance

∆Caution

1. Replacement parts/Seal kit

Order it in accordance with the bore size.

Bore size (mm)	Kit no.	Contents	
16	CUX16-PS	Piston seal:	1 pc
20	CUX20-PS	Rod seal:	1 рс
25	CUX25-PS	Gasket:	1 рс
32	CUX32-PS	Grease pack (10 g):	1 pc.

* It is impossible to replace seals in bore size 10 mm.

2. Grease pack

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

Grease pack part no.:

GR-L-005 (5 g)

GR-L-010 (10 g)

GR-L-150 (150 g)

REA

REB

REC

C□Y

C■X MQ

RHC

RZQ

KZŲ



-**X**□

Individual -X□

