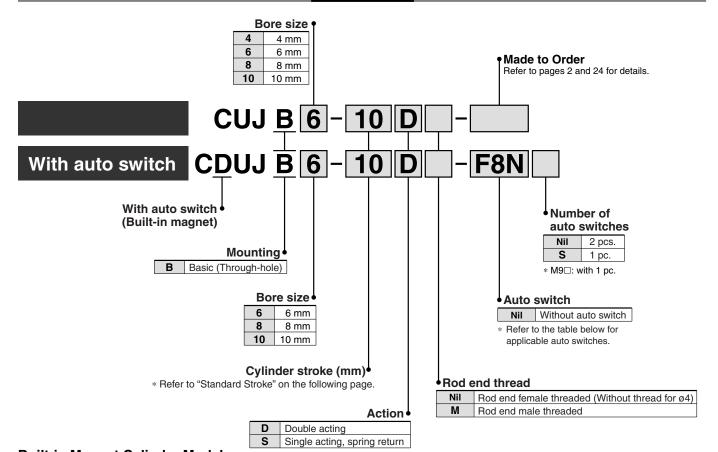
Mini Free Mount Cylinder Series CUJ ø4, ø6, ø8, ø10

How to Order



Built-in Magnet Cylinder Model

In the case of built-in magnet without auto switch, the symbol for auto switch is "Nil". (Example) CDUJB8-15DM

Applicable Auto Switches/Refer to pages 21 through to 23 for additional information on auto switches.

_																			
		Special function	Electrical	Indicator light	r to	호 _	VA (indicator)	ı	_oad volta	age	Auto swite	ch model	Lead wire	leng	th (r	n) *	D		
- 1	Type		Electrical entry		Wiring	DC		AC Electrica		al entry	0.5	1	3	5	Pre-wired connector	Appli	cable load		
				= -	(Output)			AC	Perpendicular	In-line	(Nil)	(M)	(L)	(Z)	COMMECTOR				
					O wine (NIDNI)				_	M9N	•	_	•	0	0				
	Ë	— Grommet		3-wire (NPN)		5 V,		F8N	_	•	-	•	0	O IC					
	switch				3-wire (PNP)		12 V		_	M9P	•	-	•	0	O circui	circuit			
- 1			Grommet Ves	3-wire (PINP)			_	F8P	_	•	-	•	0	0		Dalau			
- 1	state			O mine	24 V	40.1/		_	M9B	•	_	•	0	0		Relay, PLC			
						2-wire		12 V		F8B	_	•	_	•	0	0	7 — J	FLC	
	Solid	Diagnostic					3-wire (NPN)	5 V,			M9NW	•		•	0	0	IC		
	ŭ	indication			3-wire (PNP)	12 V		_	M9PW	•		•	0	0	circuit				
		(2-color indication)			2-wire		12 V		_	M9BW	•		•	0	0	_			

(Example) M9NW

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

Note 2) Refer to pages 21 through to 23 for detailed auto switch specifications.



^{*} Lead wire length symbols: 0.5 m Nil 1 m M (Example) M9NWM 3 m L (Example) M9NWL 5 m Z (Example) M9NWZ

Note 1) For 2-color indication type, use caution on hysteresis. Refer to page 19, "Auto Switch Hysteresis" prior to use.

^{*} Refer to "Best Pneumatics" catalog for further information on auto switches with pre-wired connector.

^{*} Auto switches are included, (but not assembled).

JIS Symbol Double acting, single rod



Single acting, spring return



Standard Stroke

Action	Bore size (mm)	Standard stroke (mm)		
	4	4, 6, 8, 10, 15, 20		
Double acting	6	4, 6, 8, 10, 15, 20		
	8, 10	25, 30		
Oir alla a stira a	4	4, 6		
Single acting, spring return	6	4, 6, 8		
Spring return	8, 10	4, 6, 8, 10		



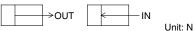
Symbol	Contents
-XB6	Heat resistant cylinder (-10 to 150°C)

Note) Except models with auto switch and singleacting, spring return type Except bore size 4

Specifications

_			_	8			
Bore s	ize (mm)	4	6	10			
Action		Double acting; Single acting, spring return					
Fluid		Air					
Proof pressure			1.05	MPa			
Minimum operating	Double acting		0.15	MPa	0.1 MPa		
pressure	Single acting, spring return	0.35 MPa	0.31	MPa	0.2 MPa		
Maximum operating	g 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)					
Cushion		None					
Lubrication		Non-lube					
Piston speed		50 to 500 mm/s					
Stroke length toler	rance	+0.5 0					
Mounting		Through-hole					

Theoretical Output: Double Acting



Bore size	Rod size	Operating	Piston area	Operating pressure (MPa)			
(mm)	(mm)	direction	(mm²)	0.3	0.5	0.7	
4	2	OUT	12.6	3.76	6.28	8.79	
4		IN	9.4	2.82	4.71	6.59	
6	4	OUT	28.3	8.48	14.13	19.79	
0	4	IN	15.7	4.71	7.85	10.99	
8	5	OUT	50.3	15.07	25.13	35.18	
0	5	IN	30.6	9.18	15.31	21.44	
10	6	OUT	78.5	23.56	39.26	54.97	
10	0	IN	50.3	15.07	25.13	35.18	

Spring Reaction Force: Single Acting, Spring Return

Spring in pre-loaded condition

Spring in loaded condition OUT

When the spring is set in the cylinder.

When the spring is contracted by applying air. Unit: N

Bore	size	Spring	Stroke (mm)					
(m	ım)	condition	4	6	8	10		
4	1	Pre-loaded	1.70	1.27	_	_		
	•	Loaded	2.55	2.55	_	_		
	6	Pre-loaded	2.45	2.01	1.57	_		
	,	Loaded	3.33	3.33	3.33	_		
	8	Pre-loaded	4.67	3.76	2.86	1.96		
•	•	Loaded	6.47	6.47	6.47	6.47		
4	10	Pre-loaded	5.04	4.18	3.31	2.45		
	U	Loaded	6.77	6.77	6.77	6.77		

Mass: Double Acting

Unit: g Additional mass Bore size Standard stroke (mm) (mm) 10 15 Built-in magnet Rod end male threaded CUJB4 7.9 8.6 9.3 11.1 12.8 0.4 CUJB6 13.6 14.8 16.0 18.9 21.8 24.7 2.7 0.8 CUJB8 15.6 17.0 18.4 19.7 23.0 26.4 29.9 33.4 3.0 1.5 CUJB₁₀ 20.8 22.3 25.9 29.5 33.1

Mass: Single Acting, Spring Return

Unit: g

Sint 9									
Bore size		Standard s	troke (mm)	Additional mass					
(mm)	4	6	8	10	Built-in magnet	Rod end male threaded			
CUJB4	7.2	7.9	_	_	_	0.4			
CUJB6	12.8	14.0	15.2	_	2.4	0.8			
CUJB8	15.8	17.2	18.6	19.9	2.5	1.5			
CUJB10	17.9	19.4	20.8	22.3	2.4	2.6			

