

Magnetically Coupled Rodless Cylinder Basic Type

CY3B Series

∅6, ∅10, ∅15, ∅20, ∅25, ∅32, ∅40, ∅50, ∅63

How to Order



Basic type

CY3B 25 - **300 Z**

Basic type

Standard stroke

Refer to the standard stroke table shown below.

Bore size

6	6 mm
10	10 mm
15	15 mm
20	20 mm
25	25 mm
32	32 mm
40	40 mm
50	50 mm
63	63 mm

Port thread type

Symbol	Type	Bore size
Nil	M thread	6, 10, 15
	Rc	20, 25, 32, 40, 50, 63
TN	NPT	
TF	G	

Standard Strokes

Bore size [mm]	Standard stroke [mm]	Manufacturable stroke [mm]
6	50, 100, 150, 200	20 to 300
10	50, 100, 150, 200, 250, 300	20 to 500
15	50, 100, 150, 200, 250, 300, 350, 400, 450, 500	20 to 1000
20	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800	25 to 1500
25		25 to 3000
32		25 to 3000
40	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000	25 to 3000
50		40 to 5000
63		40 to 5000

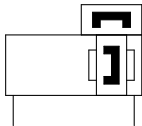
* Long stroke type (XB11) applies to the strokes exceeding 2000 mm.

* The longer the stroke, the larger the amount of deflection in a cylinder tube. Pay attention to the mounting bracket and clearance value.

* Intermediate stroke is available in 1 mm increments.

Symbol

Rubber bumper (Magnet type)



Made to Order
[Click here for details](#)

Symbol	Specifications
-XB6	Head resistant cylinder (-10 to 150°C)
-XB9	Low-speed cylinder (15 to 50 mm/s)
-XB11	Long stroke type
-XB13	Low-speed cylinder (7 to 50 mm/s)
-XC24	With magnetic shielding plate
-XC57	With floating joint

For clean specifications, refer to the **Web Catalog**.



Made to Order: Individual Specifications
(For details, refer to pages 8-1 to 8-3.)

Symbol	Specifications
-X116	Hydro specifications
-X132	Air supply port relocated in axial direction
-X160	High speed specifications
-X168	Helical insert thread specifications
-X206	Added mounting tap positions for slider
-X210	Non-lubricated exterior specifications
-X322	Outside of cylinder tube with hard chrome plated
-X324	Non-lubricated exterior specifications (with dust seal)

Specifications

Bore size [mm]	6	10	15	20	25	32	40	50	63
Fluid	Air								
Proof pressure	1.05 MPa								
Max. operating pressure*1	0.7 MPa								
Min. operating pressure	0.16	0.16	0.16	0.16	0.15	0.14	0.12	0.12	0.12
Ambient and fluid temperatures	-10 to 60°C (No freezing)								
Piston speed	50 to 500 mm/s								
Cushion	Rubber bumper								
Lubrication	Not required (Non-lube)								
Stroke length tolerance [mm]	0 to 250 st: $^{+1.0}_0$, 251 to 1000 st: $^{+1.4}_0$, 1001 st or more: $^{+1.8}_0$								
Mounting orientation	Horizontal, Inclined, Vertical								
Mounting nut (2 pcs.)	Standard equipment (Accessory)								
Magnet holding force [N]	19.6	53.9	137	231	363	588	922	1471	2256

*1 Note that to perform an intermediate stop with an external stopper, the required operating pressure limit is the pressure explained in "Stop with External Stopper" on page 5.