

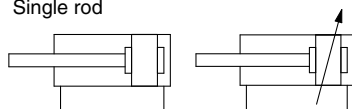
C75 Series



Symbol

Double acting,
Single rod

Air cushion



Refer to pages 101 to 111 for cylinders with auto switches.

- Auto Switch Proper Mounting Position (Detection at stroke end) and Mounting Height
- Minimum Stroke for Auto Switch Mounting
- Operating Range
- Auto Switch Mounting Brackets/Part No.



Made to Order
(For details, refer to pages 115 to 120.)

Symbol	Specifications
-XA	Change of rod end shape
-XB6	Heat resistant cylinder (−10 to 150°C)*1
-XB7	Cold resistant cylinder (−40 to 70°C)*1
-XB9	Low speed cylinder (10 to 50 mm/s)*1
-XC4	With heavy duty scraper*1
-XC6□	Made of stainless steel

*1 Rubber bumper only

Specifications

Bore size [mm]		32	40
Type		Pneumatic	
Action		Double acting, Single rod	
Fluid		Air	
Proof pressure		1.5 MPa	
Max. operating pressure		1.0 MPa	
Min. operating pressure	Rubber bumper	0.05 MPa	
	Air cushion	0.05 MPa	
Ambient and fluid temperature		Without auto switch: −20°C to 80°C (No freezing)	
		With auto switch: −10°C to 60°C (No freezing)	
Lubricant		Not required (Non-lube)	
Stroke length tolerance		+1.4 0 mm	
Piston speed		50 to 1500 mm/s	
Cushion		Rubber bumper Air cushion	
Allowable kinetic energy	Rubber bumper	0.65 J	1.2 J
	Air cushion	1.07 J	2.35 J

Standard Strokes

Bore size [mm]	Standard stroke [mm]*1*3	Max. stroke*2 [mm]
32	10, 25, 40, 50, 80, 100, 125, 160, 200, 250, 300	1000
40		

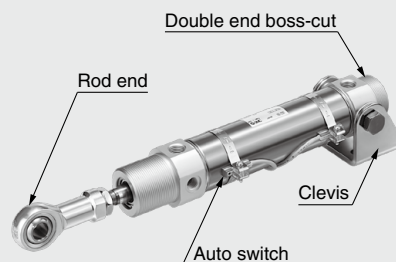
*1 Other strokes are available on request.

*2 For exceeding the standard stroke range, it will be available as a special order (-X2018).

*3 The minimum stroke with air cushion is 25 mm.

Option: Ordering Example of Cylinder Assembly

Cylinder model: CD75E40-50NV-B-M9BW



Head cover E: Double end boss-cut
Mounting bracket N: Clevis
Rod end bracket V: Rod end
Auto switch D-M9BW: Band mounting, 2 pcs.

* Mounting bracket, rod end, and auto switch are shipped together with the product.

⚠ Precautions

Be sure to read this before handling the products. Refer to the back cover for safety instructions. For actuator and auto switch precautions, refer to the “Handling Precautions for SMC Products” and the “Operation Manual” on the SMC website: <http://www.smcworld.com>