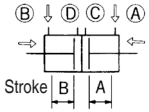
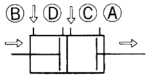
X□D7 Series

Compact Air Cylinder/Double Rod Type Dual Stroke Cylinder
∅10, ∅16, ∅20, ∅25, ∅32, ∅40, ∅50, ∅63, ∅80, ∅100

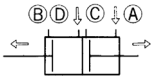
This cylinder is made of two cylinders in series. Strokes can be controlled in the three procedures.



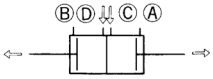
When pressure is supplied to port A and port B, axis will retract back to the original position.



When pressure is supplied to port B and port C, axis will retract to position D and the other to position A.



When pressure is supplied to port A and port D, axis will retract back to the stroke A and strech the stroke A.



When pressure is supplied from port C and port D, axis will be on stroke A and stroke B

Ordering Instructions

X	C	D	7	-	20	-		-	
					①		②	③	④

① Magnet
C: No magnet(switch unavailable)
G: Cylinder with switch available with built-in magnet

② Bore(mm)

③ Stroke A(mm)

④ Stroke B(mm)

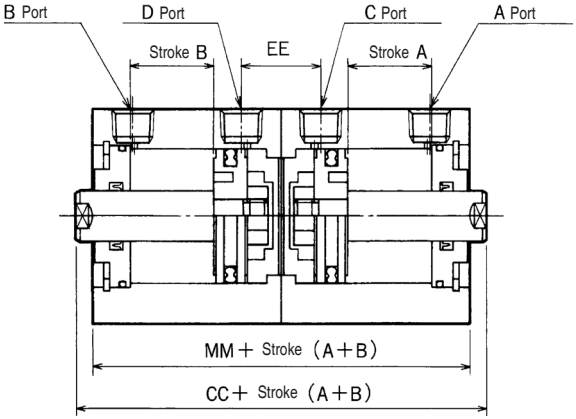
Specifications

Action	Unit	Double-acting
Fluid		Lubricated/Non lubricated air
Pressure range	MPa [kgf/cm²]	∅10~∅50: 0.1~0.7(1.0~7.1) ∅63~∅100: 0.05~0.7(0.5~7.1)
Temperature range	°C	5~60
Piston speed range		50~500
Cushion		Unavailable
Mounting		Basic type

Note: converted to SI unit: 0.1Mpa = 1.02kgf/cm²

Construction and Dimensions

(Unit: mm)



Bore	CC	EE	MM
∅10	42 62	12	34 54
∅16	45 65	13	37 57
∅20	50 60	15	42 52
∅25	53 63	16	45 55
∅32	58 68	19	50 60
∅40	65 75	22	57 67
∅50	69 79	23	61 71
∅63	102 122	29	82 102
∅80	121 141	32	97 117
∅100	144 164	37.5	116 136

- The size shown in the above-mentioned CC and MM cell represent both the value with magnetic and without. The upper value is the size without magnet, and the lower value is the size with magnet.
- Other shapes and dimensions are the same as those of compact air cylinder/biaxial type.