

10 MPa

With Auto Switch

Specifications



Bore size (mm)	20	25	32	40	50	63	80	100
Action	Double acting/Single rod							
Fluid	Hydraulic fluid							
Nominal pressure	10 MPa							
Proof pressure	15 MPa							
Maximum allowable pressure	13 MPa							
Minimum operating pressure	0.3 MPa							
Ambient and fluid temperature	Without auto switch: -10° to 80°C							
	With auto switch: -10° to 60°C							
Piston speed	8 to 100 mm/s							
Cushion	None							
Rod end thread	Female thread, Male thread							
Stroke length tolerance	$+0.8$ 0 mm							
Mounting style	Basic style (through hole), Foot style							

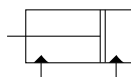
Note) Refer to page 134 for definitions of terms related to pressure.



Made to order specifications
(For details, refer to pages 195 to 197)

Symbol	Specifications
-XC61	Compatible with CHQHB series (14 MPa)
-XC63	Intermediate stroke type (Built-in spacer type)
-XC64	With air release valve

JIS symbol



Standard Strokes

<div>Stroke (mm)</div> <div>Bore size (mm)</div>	5	10	15	20	25	30	35	40	45	50	75					100				
											Intermediate stroke [XC63] (Built-in spacer type)				Intermediate stroke [XC63] (Built-in spacer type)					
											55	60	65	70	80	85	90	95		
20, 25	○	○	○	○	○	○	○	○	○	○	—	—	—	—	—	—	—	—	—	
32	○	○	○	○	○	○	○	○	○	○	□	□	□	□	○	—	—	—	—	
40, 50, 63 80, 100	○	○	○	○	○	○	○	○	○	○	□	□	□	□	○	□	□	□	○	

○: Standard stroke (dedicated cylinder tube)

□: Intermediate stroke XC63 (built-in spacer type)

Manufacture of Intermediate Stroke Cylinders [XC63] (Built-in spacer type)

Intermediate strokes in 5 mm increments can be manufactured by installing spacers inside standard stroke cylinders.

55, 60, 65 and 70 mm stroke cylinders have the same overall length as a 75 mm stroke cylinder, and 80, 85, 90 and 95 mm stroke cylinders have the same length as a 100 mm stroke cylinder.

Refer to the Made to Order Specifications on page 196 for the ordering procedure.

Hydraulic Fluid Compatibility

Hydraulic fluid	Compatibility
Standard mineral hydraulic fluid	Compatible
W/O hydraulic fluid	Compatible
O/W hydraulic fluid	Compatible
Water/Glycol hydraulic fluid	*
Phosphate hydraulic fluid	Not compatible

* Consult with SMC.

CHQ

CHK□

CHN

CHM

CHS□

CH2□

CHA

Related
Equipment

D-□