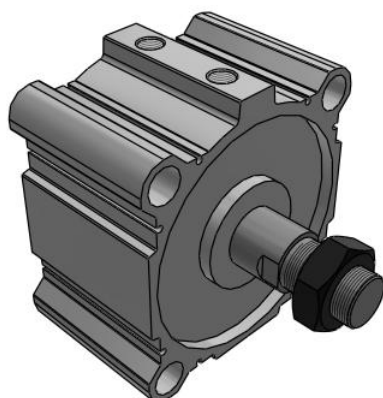




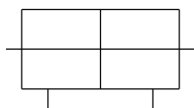
C(D)Q2WB, Compact Cylinder, Double Acting Double Rod, Large Bore w/Auto Switch Mounting Groove

CQ2WB140-20DCMZ

Datasheet

General series information

- Compact, double acting, double rod, large bore
- Bore sizes (mm): 125, 140, 160, 180, 200
- Standard stroke range (mm): 10 to 300
- Port threads: Rc, NPT, G
- Can mount small auto switches on 4 surfaces.



Double-acting cylinder with double piston rod

Standard specifications

Magnet	None
Bore Size	Ø140 mm
Port Thread	Rc
Stroke	20 mm
Body Option	M (Rod End Male Thread)
Auto Switch	No Switch
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs.
Rod End Options	None
Fluororubber Seal	None
Pressure medium	Compressed air
Maximum temperature of pressure medium	70 °C
Minimum temperature of pressure medium	-10 °C
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	70 °C
Minimum ambient temperature	-10 °C

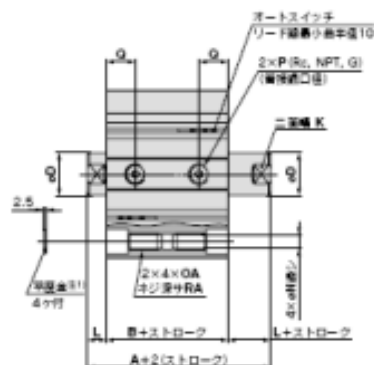
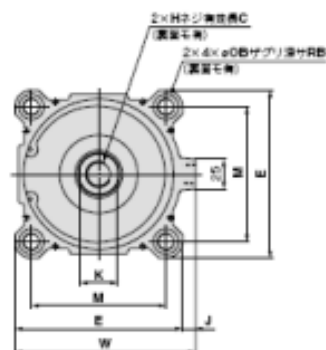
Number of pneumatic connections	2 pcs.
Pneumatic input connection	Rc 3/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	7,188 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	7,188 N
Maximum piston speed	500 mm/s
Piston rod end	Male thread
Male thread of rod end	M30 x 1.5
Female thread of rod end	M22 x 2.5
Minimum piston speed	50 mm/s

Dimensions

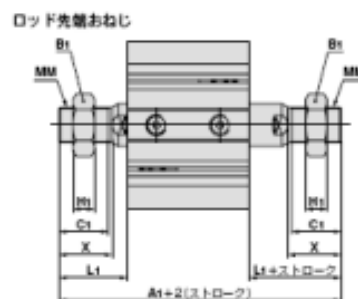
CQ2W Series チューブ内径 φ125~φ160

標準形(通し穴タイプ)/C□Q2WB

オートスイッチなし、付とも外形寸法は同じです。



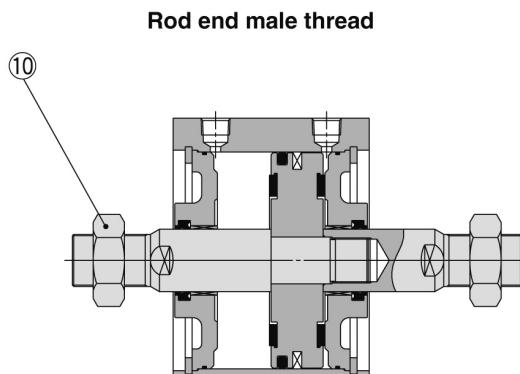
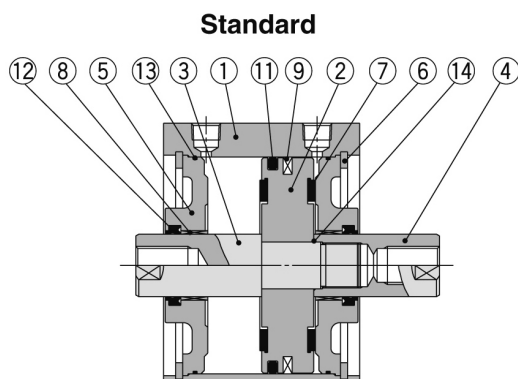
ロッド先端おねじの場合 (mm)									
チューブ内径 (mm)	A _s	B _s	C _s	H _s	L _s	MM	X		
125	199	48	42	18	58	M50×1.5	45		
140	199	48	42	18	58	M50×1.5	45		
160	219	55	47	21	64	M56×1.5	50		



チューブ内径	標準ストローク範囲	A	B	C□□	D	E	H	J	K	L	M	N	OA	OB	P	Q	RA	RB	W	
125	10, 20, 30, 40, 50	115	83	30(22.5)	38	142	M22×2.5	11	32	18	114	12.5	M14×2	21	2	3/8	24.5	25	18.4	153
140	75, 100, 125, 150	115	83	30(22.5)	38	158	M22×2.5	10	32	18	128	12.5	M14×2	21	2	3/8	24.5	25	18.4	168
160	175, 200, 250, 300	125	91	33(25.5)	40	178	M24×3	10	38	17	144	14.5	M16×2	24.5	2	3/8	27.5	28	21.2	188

注1) 通し穴でシリンダを動作させる際は、付属の平面図を必ずご使用ください。
注2) ()内数値は、10ストロークのみの場合の片側の有効長さを示します。
※両方のロッド二重棒は同一ではありません。

Constructions



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodised
2	Piston	Aluminum alloy	Chromated
3	Piston rod A	Carbon steel	Hard chrome plated
4	Piston rod B	Carbon steel	Hard chrome plated
5	Rod cover	Carbon steel	Nickel plated
6	Retaining ring	Carbon tool steel	Phosphate coated
7	Bumper	Resin	
8	Bushing	Bearing alloy	
9	Magnet	—	For CDQ2WB□ only
10	Rod end nut	Carbon steel	Nickel plated
11	Piston seal	NBR	
12	Rod seal	NBR	
13	Tube gasket	NBR	
14	Piston gasket	NBR	

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.	Contents
125	CQ2WB125-PS	Kits include items ⑪, ⑫, ⑬ from the table.
140	CQ2WB140-PS	
160	CQ2WB160-PS	
180	CQ2WB180-PS	
200	CQ2WB200-PS	

* Seal kit includes ⑪, ⑫, ⑬. Order the seal kit, based on each bore size.

* Since the seal kit does not include a grease pack, order it separately.

Grease pack part no.: GR-S-010 (10 g)

Additional information

Catalogue	CQ2-Z-D_EU.pdf
Operation manuals	OM_CQ2x_OM0002MEN.pdf