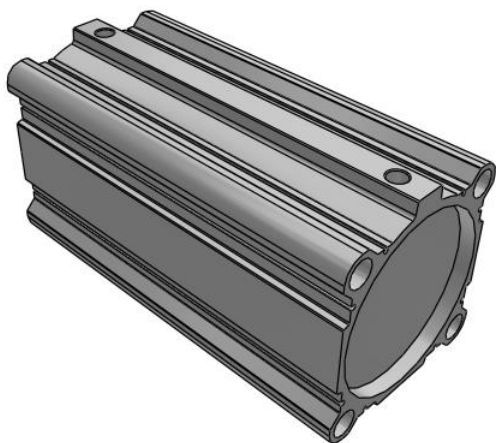




C(D)Q2, Compact Cylinder, Double Acting, Single Rod, Large Bore w/Auto Switch Mounting Groove CDQ2B140-250DCZ

Datasheet

General series information

- Compact, double acting, single 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, single-rod cylinder

Standard specifications

Magnet	D (Built-in)
Bore Size	Ø140 mm
Port Thread Type	Rc
Stroke	250
Body Option	Standard (Rod End Female Thread)
Auto Switch	No Switch
Lead Wire or Prewired 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 with magnet	60 °C
Minimum temperature of pressure medium with magnet	-10 °C
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature with magnet	-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)	7,697 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	7,188 N
Maximum piston speed	500 mm/s
Piston rod end	Male thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M30 x 1.5
Female thread of rod end	M22 x 2.5
Minimum piston speed	50 mm/s
Weight	13.700 Kg

Dimensions

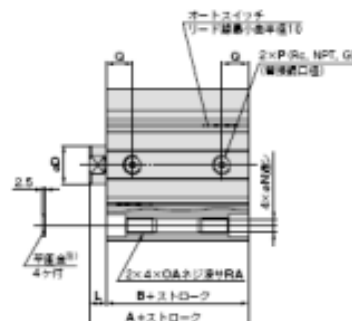
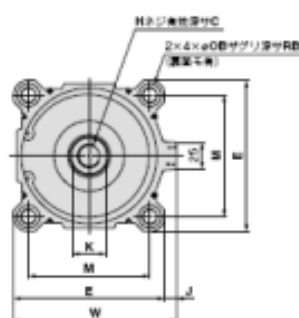
CQ2 Series

チューブ内径

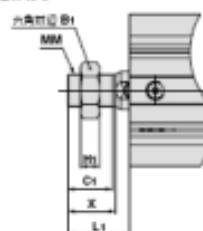
φ125~φ160

標準形(通し穴タイプ)/C□Q2B

オートスイッチなし、付とも外形寸法は同じです。



ロッド先端ねじ



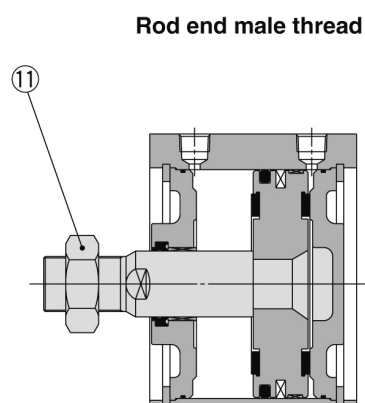
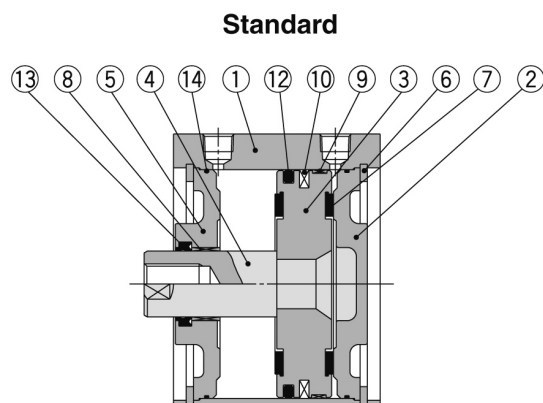
ロッド先端ねじの場合 (mm)

チューブ径 (mm)	B1	C1	H1	L1	MM	X
125	45	42	18	58	M3.0×1.5	45
140	45	42	18	58	M3.0×1.5	45
160	55	47	21	64	M3.6×1.5	50

チューブ径	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	99	83	50	56	142	M22×2.5	11	32	16	11.5	12.5	M14×2	12	35	24.5	25	18	163
140	7.5, 100, 125, 150	99	83	50	56	142	M22×2.5	10	32	16	12.5	12.5	M14×2	11	35	24.5	25	18	166
160	17.5, 200, 250, 300	106	91	53	62	178	M24×3	10	36	17	14.5	14.5	M16×2	14	38	27.5	28	21	186

注) 通し穴でシリンダを動作させる際は、付属の平圧素子必ずご使用ください。

Constructions



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodised
2	Head cover	Carbon steel	Nickel plated
3	Piston	Aluminum alloy	Chromated
4	Piston rod	Carbon steel	Hard chrome plated
5	Rod cover	Carbon steel	Nickel plated
6	Retaining ring	Carbon tool steel	Phosphate coated
7	Bumper	Urethane	
8	Bushing	Bearing alloy	
9	Wear ring	Resin	
10	Magnet	—	For CDQ2B□ only
11	Rod end nut	Carbon steel	Nickel plated
12	Piston seal	NBR	
13	Rod seal	NBR	
14	Tube gasket	NBR	

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.	Contents
125	CQ2B125-PS	Kits include items 12, 13, 14 from the table.
140	CQ2B140-PS	
160	CQ2B160-PS	
180	CQ2B180-PS	
200	CQ2B200-PS	

* Seal kit includes 12, 13, 14. 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](#)