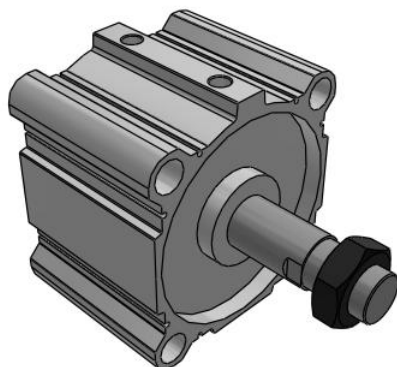




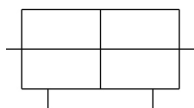
C(D)Q2WB, Compact Cylinder, Double Acting Double Rod, Large Bore w/Auto Switch Mounting Groove

CDQ2WB160-50DCMZ

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	D (Built-in)
Bore Size	Ø160 mm
Port Thread Type	Rc
Stroke	50 mm
Body Option	M (Rod End Male 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)	9,425 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	9,425 N
Maximum piston speed	500 mm/s
Piston rod end	Male thread
Male thread of rod end	M36 x 1.5
Female thread of rod end	M24 x 3
Minimum piston speed	50 mm/s
Weight	12.050 Kg

Dimensions

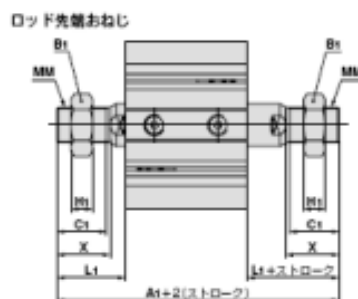
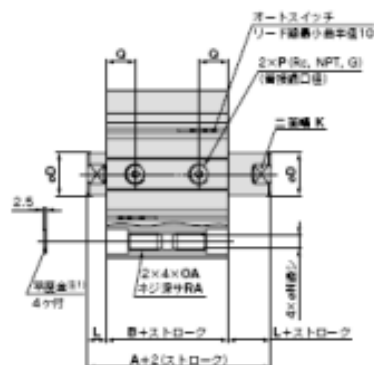
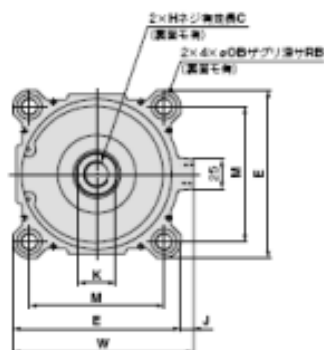
CQ2W Series

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

(more)

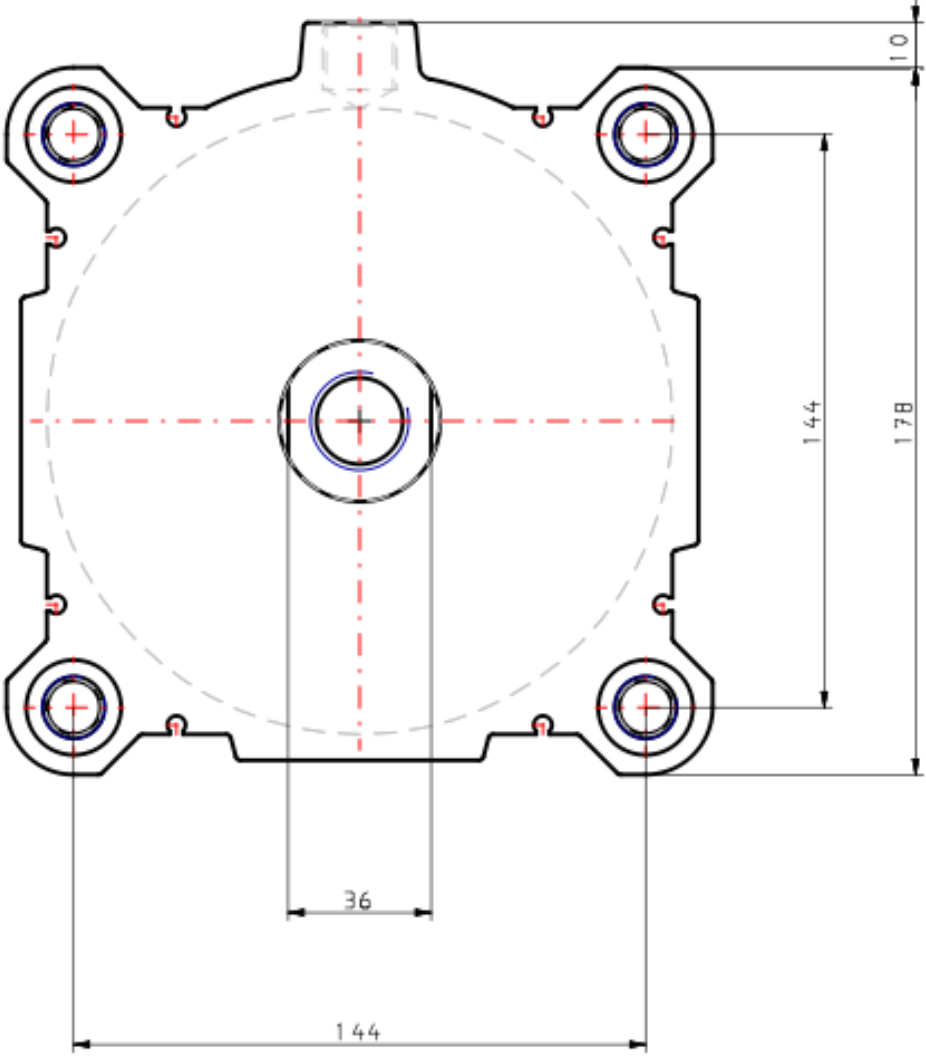
チューブの内径 (mm)	A ₁	B ₁	C ₁	H ₁	L ₁	MM	X
125	199	46	42	18	58	M30×1.5	45
140	199	46	42	18	58	M30×1.5	45
160	210	55	47	21	64	M36×1.5	55

																				(mm)	
子タイプ内径	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	50	22.5	36	142	M2×2.5	11	32	16	114	12.5	M14×2	21.2	3/8	24.5	25	18	41.53	
130	75, 100, 125, 150	115	83	50	22.5	36	158	M2×2.5	10	32	16	128	12.5	M14×2	21.2	3/8	24.5	25	18	41.68	
160	75, 100, 125, 150	125	91	50	22.5	40	178	M24×3	10	35	17	144	14.5	M16×2	24.5	3/4	27.5	29	21	47.1	

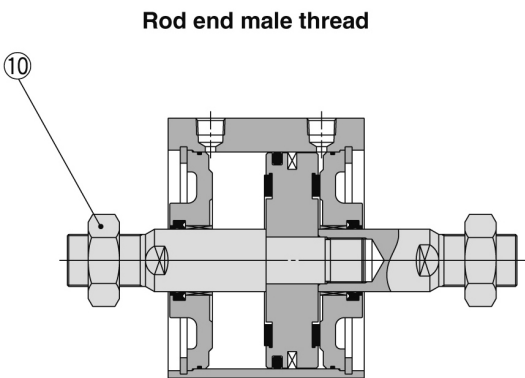
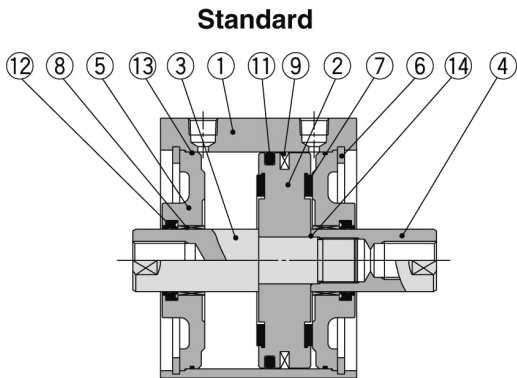
注1) 通し穴でシリンダを組付けの際は、付属の平圧金を必ずご使用ください。

注2) ()内数値は、10ストロークのみの場合の片側の実効長さとなります。

図2) ()内数値は、10ストロークのみの場合のみ
の両方のロッド二重編成線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](#)