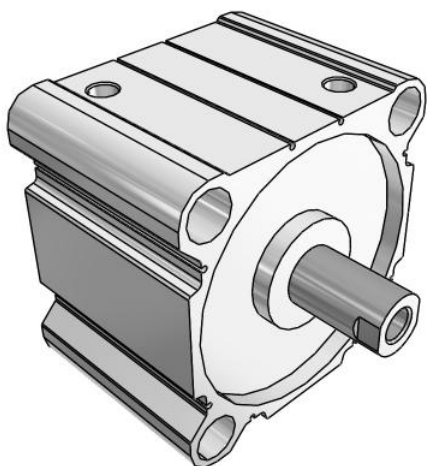




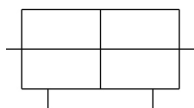
C(D)Q2WB, Compact Cylinder, Double Acting Double Rod, Large Bore w/Auto Switch Mounting Groove

CDQ2WB180-50DCZ

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	Ø180 mm
Port Thread Type	Rc
Stroke	50 mm
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	0.7 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.05 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 1/2
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	12,095 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	12,095 N
Maximum piston speed	400 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	20 mm/s

Dimensions

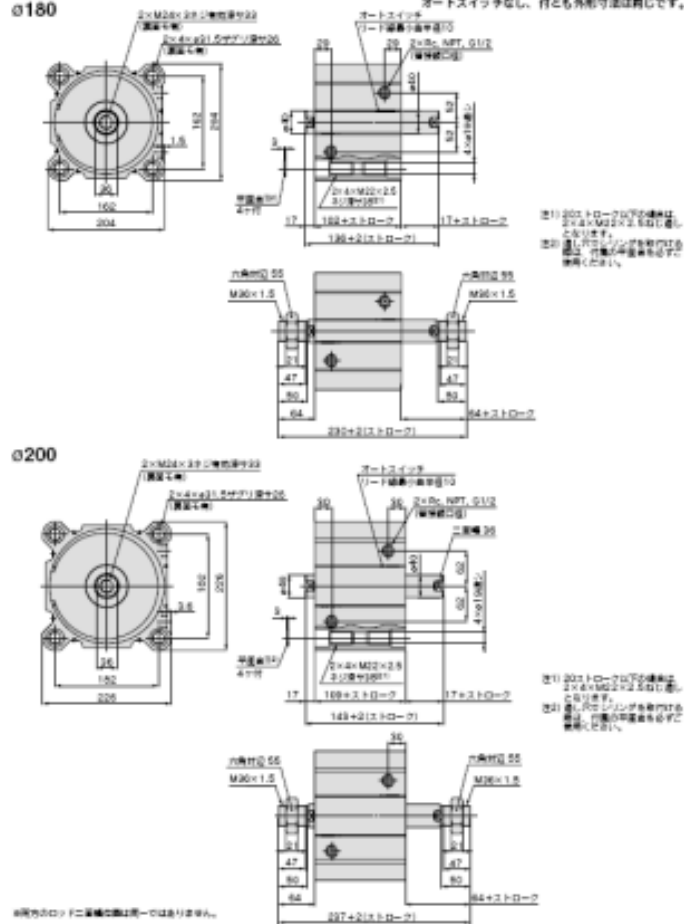
大口徑薄形シリンダ／推動・引ロッド **CQ2W Series**

チューブ内径

Φ180, Φ200

©180

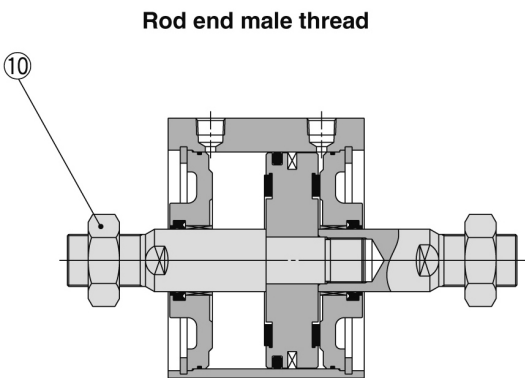
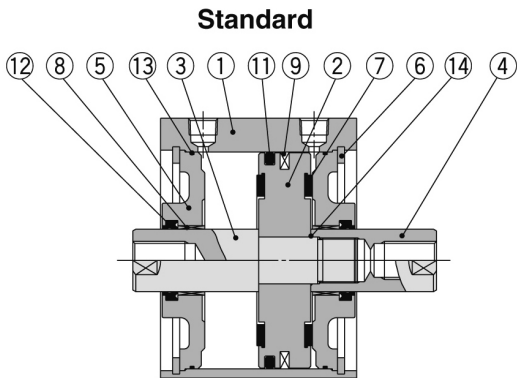
オートスイッチなし、付とも外形寸法は同じです。



※国内のロッド二層構造は同一ではありません。

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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