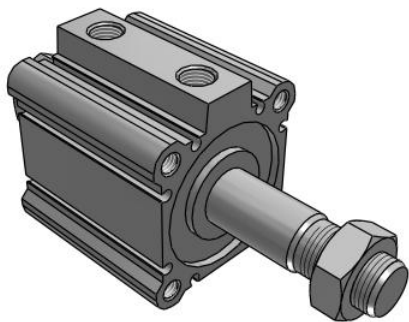




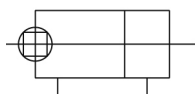
C(D)Q2KW, Compact Cylinder, Double Acting, Double Rod, Non- rotating w/Auto Switch Mounting Groove

CQ2KWA50TF-30DMZ

Datasheet

General series information

- Double acting, double rod, non-rotating compact cylinder
- Bore sizes (mm): 12, 16, 20, 25, 32, 40, 50, 63
- Standard stroke range (mm): 5 to 100
- Port threads: M (12 to 25 bore); Rc, NPT or G (32 to 63 bore)
- Can mount small auto switches on 4 surfaces.



Double-acting cylinder with double piston rod

Standard specifications

Magnet	None
Mounting	A (Both Ends Tapped; 40 Through 63 Bore)
Bore Size	Ø50 mm
Port Thread Type	TF [G]
Stroke	30 mm
Body Option	M (Rod End Male Thread)
Auto Switch Groove	Z (Auto Switch Mounting Grooves)
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
Pressure medium	Compressed air
Maximum temperature of pressure medium	70 °C
Minimum temperature of pressure medium	-10 °C [without condensation]
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 [without condensation]
Number of pneumatic connections	2 pcs.
Pneumatic input connection	G 1/4
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	825 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	825 N
Maximum piston speed	500 mm/s
Type of Stroke end	Double rod
Female thread of rod end	M10 x 1.5
Minimum piston speed	50 mm/s
Weight	0.980 Kg

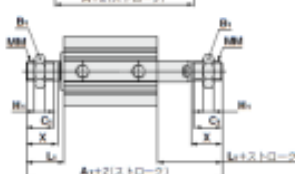
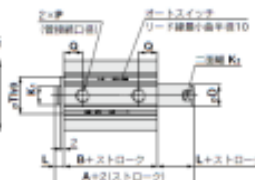
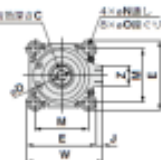
Dimensions

φ40～φ63 オートスイッチ付 (オートスイッチなしの場合はA、Bの寸法のみ変わりますので、寸法表をご参照ください。)

(オートスイッチなしの場合はA、Bの寸法のみ変わりますので、申込書をご参照ください。)

両端タップタイプ: CQ2KWA-CDQ2KWA

標準形(通し穴タイプ)
／CQ2KWB・CDQ2KWB



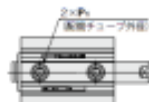
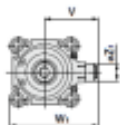
●63の場合の
シリンダチューブ形状

チューブ内径 (mm)	φ _k	R
40	M6×1.0	13
50	M8×1.25	14
63	M10×1.5	16

ロッド先端おねじの場合

チューブの長さ	A ₁		B ₁	C ₁	B ₂	L ₁	MM	X
	10mm	20mm						
40	5-50	97	107	22	20.5	8	28.5	M14×1.5 23.5
50	7.5-100	107.5	117.5	27	26	11	33.5	M18×1.5 28.5
	10-90	117.5						
60	10-90	109	119	27	26	11	33.5	M18×1.5 28.5
	7.5-100	109						

ワンタッチ管継手内蔵形/ø40~ø63



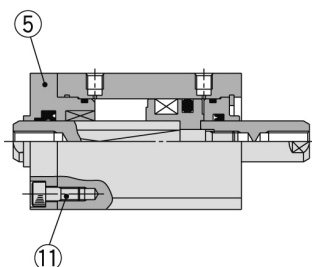
チューブ内径 (mm)	Z ₁	P ₁	Y	W ₁
40	13	6	40.5	65.5
50	16	8	50	82
63	16	8	64.5	96

標準形 オートスイッチの適正取付位置・取付面を寸法につきましてはP.964～969まで参照ください。

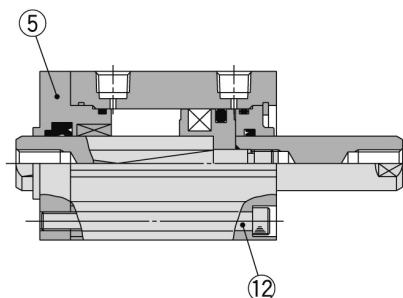
ホップ内径 mm	ストローク (mm)	A 2.5	A 3	A 4	A 5	C	D	E	H	J	K	K ₂	L	M	N	O	P	Q	Th ₉₀	W	Z
40	5-9.0	5.4	4.0																		
	75.100	64	50	13	16	52	M8×1.25	5	14	14	7	40	5.5	9	9	9	1.8	12.5	28.1mm	57	15
	10-9.0	56.0	40.0																		
50	75.100	64	50	15	20	64	M10×1.5	7	18	17	8	50	6.6	11	9	9	1.4	14	35.1mm	71	19
	10-9.0	56.0	40.0																		
	75.100	64	50	15	20	77	M10×1.5	7	18	17	8	60	9	14	10	1.4	15.5	36.1mm	84	19	

Constructions

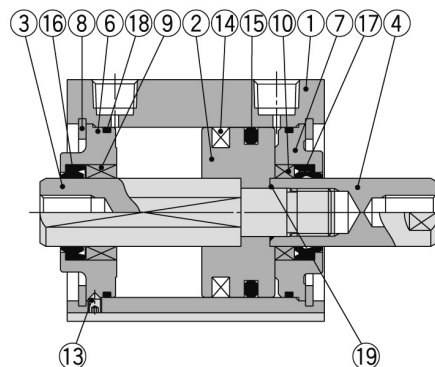
ø12 to ø25



ø32



ø40 to ø63



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodised
2	Piston	Aluminum alloy	Chromated
3	Piston rod A	Stainless steel	ø12 to ø25
		Carbon steel	ø32 to ø63, Hard chrome plated
4	Piston rod B	Stainless steel	ø12 to ø25
		Carbon steel	ø32 to ø63, Hard chrome plated
5	Rod cover	Brass	ø12, Electroless nickel plated
		Aluminum alloy	ø16 to ø32, Anodised
6	Collar for non-rotating	Aluminum alloy	ø40 to ø63, Anodised
7	Collar	Aluminum alloy	ø12 to ø40, Anodised
		Aluminum alloy casted	ø50 to ø63, Chromated, Painted
8	Retaining ring	Carbon tool steel	Phosphate coated
9	Bushing for non-rotating	Oil-impregnated sintered alloy	ø16 to ø63
10	Bushing	Bearing alloy	ø50, ø63
11	Hexagon socket head cap screw	Alloy steel	ø12 to ø25, Nickel plated
12	Hexagon socket head cap screw	Alloy steel	ø32, Nickel plated
13	Hexagon socket head set screw	Alloy steel	ø40 to ø63, Nickel plated
14	Magnet	—	

No.	Description	Material	Note
15	Piston seal	NBR	
16	Rod seal for non-rotating	NBR	
17	Rod seal	NBR	
18	Gasket	NBR	
19	Piston gasket	NBR	ø32 to ø63

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.	Contents
12	CQ2KWB12-PS	Kits include items 15, 16, 17, 18 from the table.
16	CQ2KWB16-PS	
20	CQ2KWB20-PS	
25	CQ2KWB25-PS	
32	CQ2KWB32-PS	
40	CQ2KWB40-PS	
50	CQ2KWB50-PS	
63	CQ2KWB63-PS	

* Seal kit includes 15, 16, 17, 18. 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