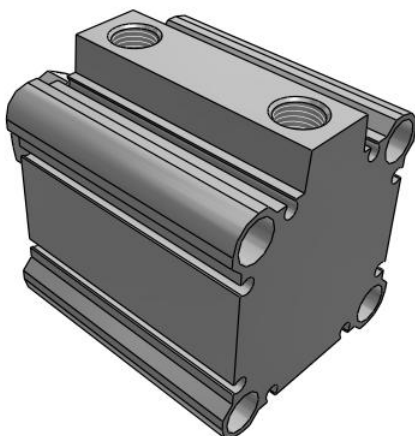




C(D)Q2*S, Compact Cylinder, Double Acting, Single Rod, Anti- lateral Load w/Auto Switch Mounting Groove CQ2BS50-30DCMZ

Datasheet

General series information

- Double acting, single rod, compact cylinder
- Bore sizes (mm): 32, 40, 50, 63, 80, 100
- Standard stroke range (mm): 5 to 100
- Port threads: Rc, NPT or G
- Can mount small auto switches on 4 surfaces.



Double-acting, single-rod cylinder

Standard specifications

Magnet	None
Mounting	B (Through Hole [Standard])
Bore Size	Ø50 mm
Port Thread Type	Rc
Stroke	30
Body Option	CM (Rubber Bumper + 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
Made of Stainless Steel	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 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)	982 N
Maximum piston speed	500 mm/s
Geometric form of the piston rod	Single rod
Male thread of rod end	M18 x 1.5
Female thread of rod end	M10 x 1.5
Minimum piston speed	50 mm/s

Dimensions

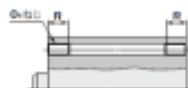
φ32~φ50 オートスイッチ付

(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、寸法表もご確認ください。)

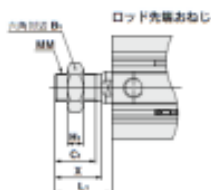
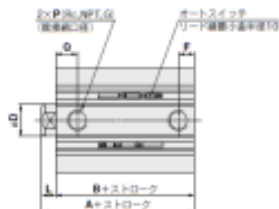
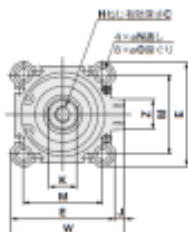
通し穴タイプ/ CQ2BS-CDQ2BS

両端タップタイプ/ CQ2AS-CDQ2AS

CDQ2AS



両端タップの場合 (mm)		
チューブ外径 (mm)	C ₁	W
32	M6×1.0	10
40	M6×1.0	10
50	M8×1.25	14



ヘッド側インロー付の寸法はCQ2シリーズ/ 駆動内ロッドと同等です。
P.800を参照ください。

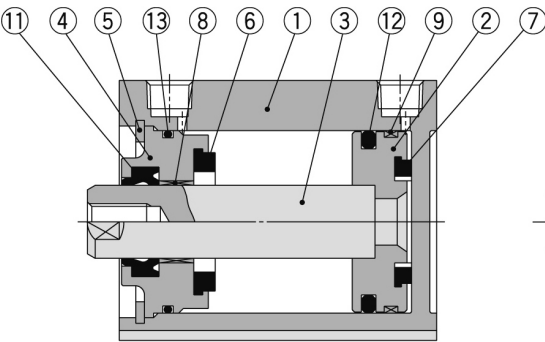
ロッド先端おねじの場合 (mm)

チューブ外径 (mm)	B ₁	C ₁	B ₂	L ₁	MM	X
32	22	20.5	8	28.5	M1.4×1.5	23.5
40	22	20.5	8	28.5	M1.4×1.5	23.5
50	27	29	11	33.5	M1.8×1.5	28.5

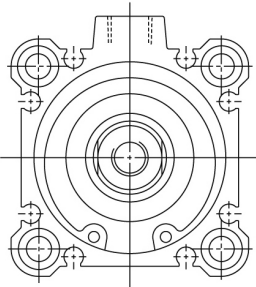
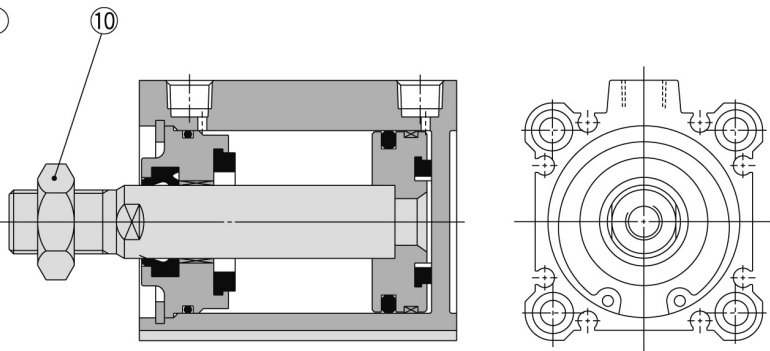
チューブ外径 (mm)	ストローク (mm)	オンスの寸法		オンスの寸法		C	D	E	F	H	J	K	L	M	N	O	P	Q	W	Z
		A	B	A	B															
32	5~50	40	33	50	43	13	16	45	7.5	M5×1.25	4.5	14	7	34	5.5	9.87	1/8	10	40.5	14
	75, 100	50	43	50	43	13	16	45	7.5	M5×1.25	4.5	14	7	34	5.5	9.87	1/8	10	40.5	14
	150	50	43	50	43	13	16	45	7.5	M5×1.25	4.5	14	7	34	5.5	9.87	1/8	10	40.5	14
40	5~50	46.5	39.5	56.5	49.5	13	16	52	7.5	M5×1.25	5	14	7	40	5.5	9.87	1/8	12.5	57	15
	75, 100	56.5	49.5	56.5	49.5	13	16	52	7.5	M5×1.25	5	14	7	40	5.5	9.87	1/8	12.5	57	15
	150	56.5	49.5	56.5	49.5	13	16	52	7.5	M5×1.25	5	14	7	40	5.5	9.87	1/8	12.5	57	15
50	5~50	48.5	40.5	58.5	50.5	15	20	64	10.5	M10×1.5	7	17	8	50	6.6	13.80	1/4	10.5	71	19
	75, 100	58.5	50.5	58.5	50.5	15	20	64	10.5	M10×1.5	7	17	8	50	6.6	13.80	1/4	10.5	71	19
	150	58.5	50.5	58.5	50.5	15	20	64	10.5	M10×1.5	7	17	8	50	6.6	13.80	1/4	10.5	71	19

Constructions

Standard



Rod end male thread



Component Parts

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

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.	Contents
32	CQ2B32-PS	Kits include items ⑪, ⑫, ⑬ from the table.
40	CQ2B40-PS	
50	CQ2B50-PS	
63	CQ2B63-PS	
80	CQ2B80-PS	
100	CQ2B100-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](#)