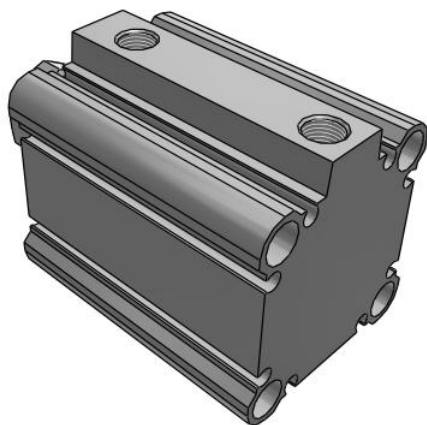




C(D)Q2*S, Compact Cylinder, Double Acting, Single Rod, Anti- lateral Load w/Auto Switch Mounting Groove CDQ2BS40-20DCMZ

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	D (Built-in)
Mounting	B (Through Hole [Standard])
Bore Size	Ø40 mm
Port Thread	Rc
Stroke	20
Body Option	CM (Rubber Bumper + Rod End Male Thread)
Auto Switch	No Switch
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Rod End Options	None
Made of Stainless Steel	None
Fluororubber Seal	None
Pressure medium	Compressed air
Maximum temperature of pressure medium	60 °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	60 °C
Minimum ambient temperature	-10 °C
Number of pneumatic connections	2 pcs.
Pneumatic input connection	Rc 1/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	528 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	628 N
Maximum piston speed	500 mm/s
Geometric form of the piston rod	Single rod
Male thread of rod end	M14 x 1.5
Female thread of rod end	M8 x 1.25
Minimum piston speed	50 mm/s
Weight	0.391 Kg

Dimensions

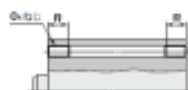
φ32~φ50 オートスイッチ付

(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。)

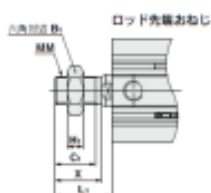
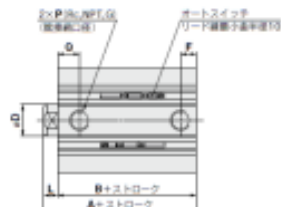
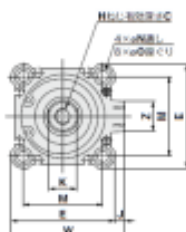
通し穴タイプ/ CQ2BS-CDQ2BS

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	M6×1.3	10
40	M6×1.3	10
50	M8×1.25	14



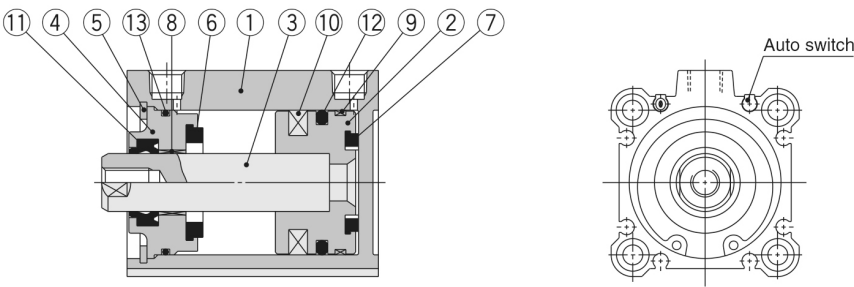
ヘッド側インロー付の寸法はCQ2シリーズ/ 駆動用ロッドと同等です。
P.800を参照ください。

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		(mm)															
32	40	50	60	A	B	A	B	C	D	E	F	H	J	K	L	M	N	O	P	Q	R	S	T
5~50	40	33	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		
75, 100	50	43	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		
150~200	60	50	66.5	59.5	66.5	59.5	15	20	64	10.5	M10×1.5	7	17	8	50	6.6	13.96	1/4	10.5	71	19		

Constructions



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	Magnet	—	
11	Rod seal	NBR	
12	Piston seal	NBR	
13	Tube gasket	NBR	

Additional information

Catalogue

[CQ2-Z-D_EU.pdf](#)

Operation manuals

[OM_CQ2x_OM0002MEN.pdf](#)