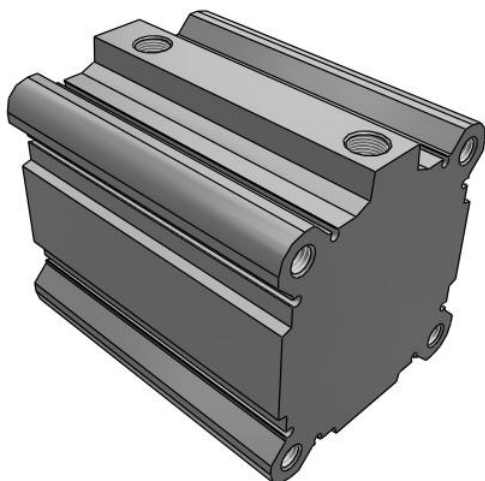




C(D)Q2*S, Compact Cylinder, Double Acting, Single Rod, Anti- lateral Load w/Auto Switch Mounting Groove CDQ2AS100-75DCZ

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	A (Both Ends Tapped)
Bore Size	Ø100 mm
Port Thread	Rc
Stroke	75
Body Option	C (Rubber Bumper)
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 3/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	3574 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	3927 N
Maximum piston speed	500 mm/s
Geometric form of the piston rod	Single rod
Male thread of rod end	M26 x 1.5
Female thread of rod end	M20 x 2.5
Minimum piston speed	50 mm/s
Weight	3.110 Kg

Dimensions

φ63～φ100 オートスイッチ付

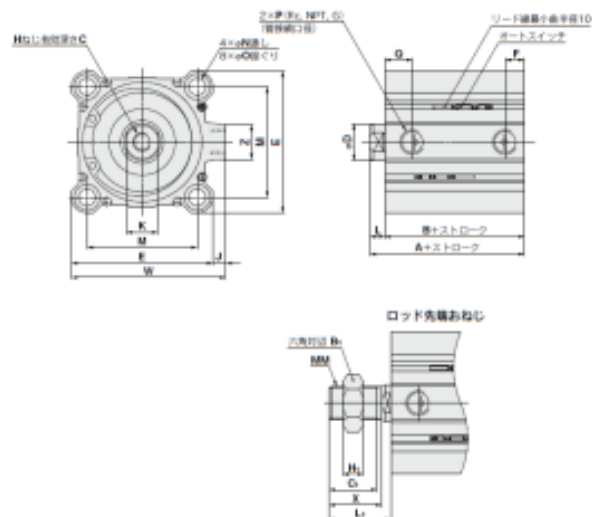
(オートスイッチなしの場合はA、Bの寸法のみ
変わりますので、寸法表をご参照ください。)

通し穴タイプ/CQ2BS・CDQ2BS

ヘッドインロー付の寸法は002シリーズ/駆動片ロッド
と同様です。8月02をご参照ください。

両端タップタイプ:CDQ2AS・CDQ2AS

チューブ内径 (mm)	D ₁	R
65	M10×1.5	1.5
80	M12×1.75	2.2
100	M12×1.75	2.2

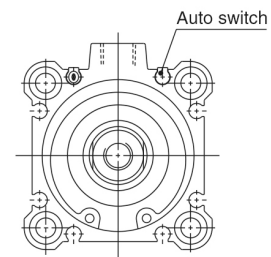
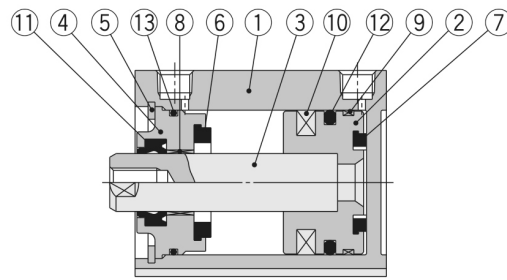


ロッド先端おねじの場合

チューブ内径 (mm)	φ ₁	φ ₂	H ₁	L ₁	規格	X
63	27	26	11	33.5	M18×1.5	26.5
89	32	32.5	13	43.5	M22×1.5	35.5
100	41	32.5	16	43.5	M26×1.5	35

選手名	2016年 平均	2017年 平均	2018年 平均	2019年 平均	2020年 平均	C	D	E	F	H	J	K	L	M	N	O	P	Q	R	S	Z
63	10-50 75, 100	5-6 64, 56	6-6 64, 56	6-6 64, 56	35	29	77	18.5	M10<3.5	7	17	8	60	9	14.5	M10.5	1/4	15	64	19	
80	10-50 75, 100	5-5 63.5, 55.5	5-5 63.5, 55.5	7.5-6 63.5, 57	21	25	98	12.5	M16>2.0	6	22	10	77	11	17.5	M13.5	3/8	16	104	26	
100	10-50 75, 100	7-5 68, 73	6-5 65, 73	3-7 63, 37	30	117	13	M20>2.5	6.5	27	12	94	11	17.5	M13.5	3/8	23	123.5	15		

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