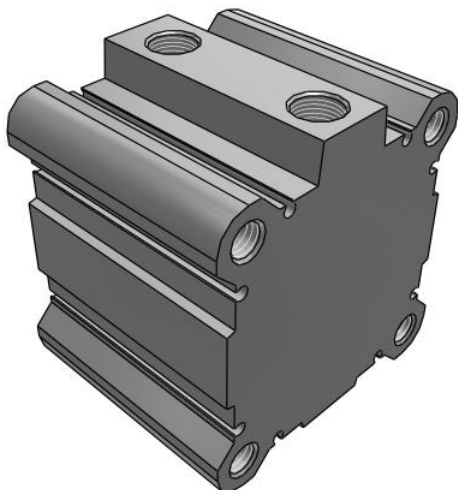




C(D)Q2*S, Compact Cylinder, Double Acting, Single Rod, Anti- lateral Load w/Auto Switch Mounting Groove CDQ2AS80-20DCZ

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	Ø80 mm
Port Thread Type	Rc
Stroke	20
Body Option	C (Rubber Bumper)
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	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)	2268 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	2513 N
Maximum piston speed	500 mm/s
Geometric form of the piston rod	Single rod
Male thread of rod end	M22 x 1.5
Female thread of rod end	M16 x 2.0
Minimum piston speed	50 mm/s
Weight	1.349 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。)

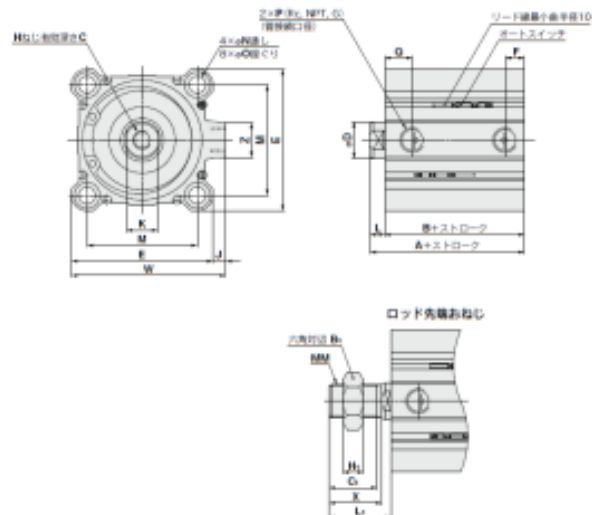
通し穴タイプ/CQ2B5・CDQ2B5

両端タップタイプ:CQ2A5・CDQ2A5

ヘッド側インロー付の寸法はCQ2シリーズ/電動式ロッド
と同等です。P.802をご参照ください。



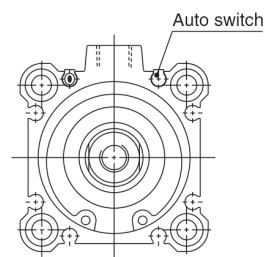
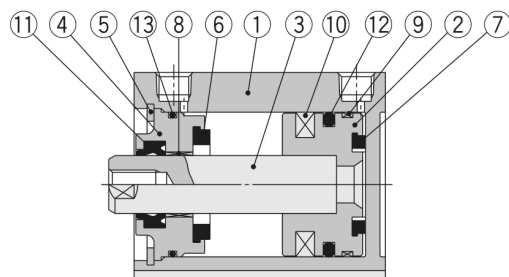
両端タップの場合 (mm)		
シリーズ内径 (mm)	φh	R
63	M10×1.5	1.8
80	M12×1.75	2.2
100	M12×1.75	2.2



ロッド先端ねじの場合 (mm)						
シリーズ内径 (mm)	φh	C	H	L ₁	ねじ	X
63	27	2.6	11	33.5	M18×1.5	26.5
80	32	3.2	13	43.5	M22×1.5	35.5
100	41	3.2	16	43.5	M26×1.5	35.5

(mm)																		
シリーズ内径 (mm)	ストローク (mm)	ヘッド全長 (mm)	ヘッド全長 (mm)	ヘッド全長 (mm)	ヘッド全長 (mm)	C	D	E	F	H	J	K	L	M	N	O	P	Q
63	10~50	54	46	64	56	15	20	77	10.5	M10×1.5	7	17	8	60	9	14	13.5	1/4
	75, 100	64	56	74	66	15	20	77	10.5	M10×1.5	7	17	8	60	9	14	13.5	1/4
80	10~50	63.5	53.5	73.5	63.5	21	25	96	12.5	M16×2.0	6	22	10	77	11	17.5	13.5	3/8
	75, 100	73.5	63.5	83.5	73.5	21	25	96	12.5	M16×2.0	6	22	10	77	11	17.5	13.5	3/8
100	10~50	75	65	85	75	27	30	117	13	M20×2.5	6.5	27	12	94	11	17.5	13.5	3/8
	75, 100	85	75	95	85	27	30	117	13	M20×2.5	6.5	27	12	94	11	17.5	13.5	3/8

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](#)