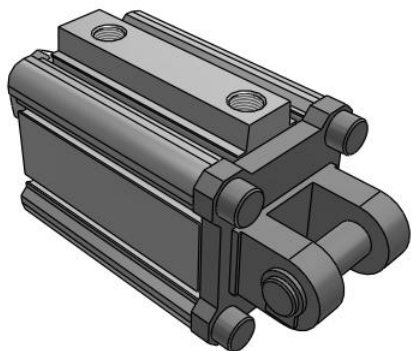




C(D)Q2*S, Compact Cylinder, Double Acting, Single Rod, Anti- lateral Load w/Auto Switch Mounting Groove CDQ2DS40-20DCMZ

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

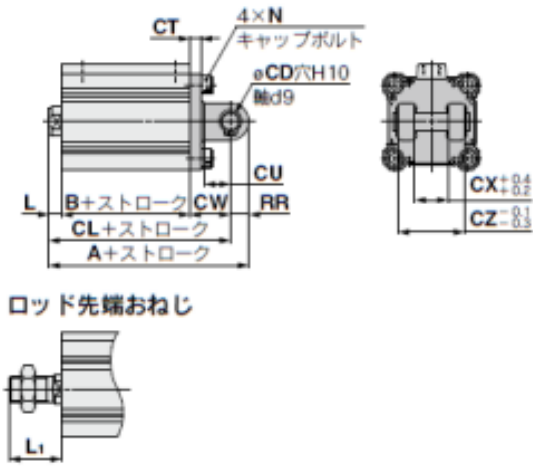
Standard specifications

Magnet	D (Built-in)
Mounting	D (Double Clevis)
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	0.583 Kg

Dimensions

二山クレビス形／CQ2DS・CDQ2DS



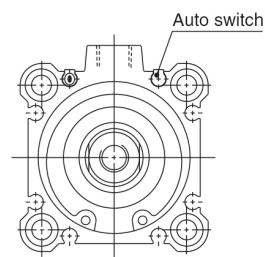
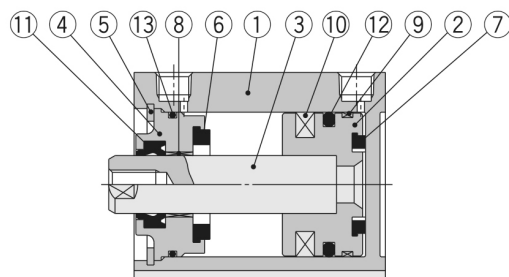
二山クレビス形

(mm)

チューブ内径 (mm)	ストローク範囲 (mm)	オートスイッチ無			オートスイッチ付			CD	CT	CU
		A	B	CL	A	B	CL			
32	5~50	70	33	60	80	43	70	10	5	14
	75, 100	80	43	70						
40	5~50	78.5	39.5	68.5	88.5	49.5	78.5	10	6	14
	75, 100	88.5	49.5	78.5						
50	10~50	90.5	40.5	76.5	100.5	50.5	86.5	14	7	20
	75, 100	100.5	50.5	86.5						
チューブ内径 (mm)	ストローク範囲 (mm)	CW	CX	CZ	L	L ₁	N	RR		
32	5~50	20	18	36	7	28.5	M6×1.0	10		
	75, 100									
40	5~50	22	18	36	7	28.5	M6×1.0	10		
	75, 100									
50	10~50	28	22	44	8	33.5	M8×1.25	14		
	75, 100									

二山クレビス金具材質: 鋳鉄
表面処理: 塗装

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](#)