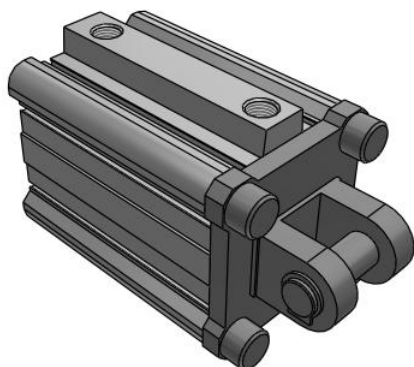




C(D)Q2*S, Compact Cylinder, Double Acting, Single Rod, Anti- lateral Load w/Auto Switch Mounting Groove CDQ2DS63-50DCMZ

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

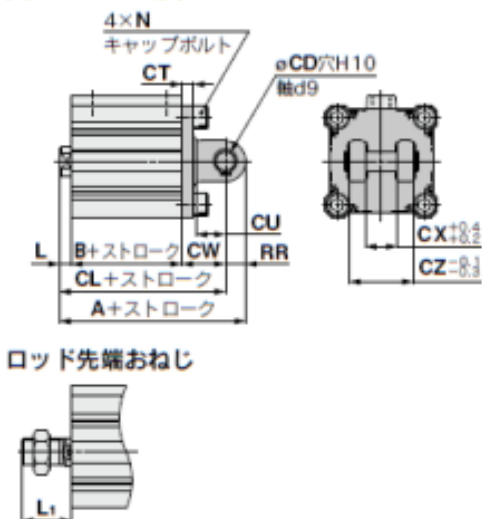
Standard specifications

Magnet	D (Built-in)
Mounting	D (Double Clevis)
Bore Size	Ø63 mm
Port Thread	Rc
Stroke	50
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 1/4
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	1402 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	1559 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
Weight	1.648 Kg

Dimensions

二山クレビス形／CQ2DS・CDQ2DS



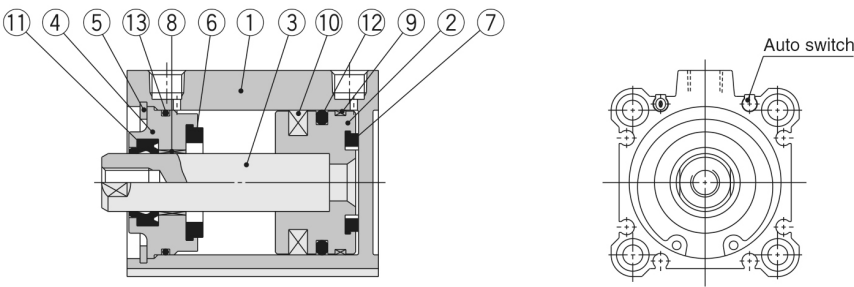
二山クレビス形

(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			
63	10～50	98	46	84	108	56	94	14	8	20
	75, 100	108	56	94						
80	10～50	119.5	53.5	101.5	129.5	63.5	111.5	18	10	27
	75, 100	129.5	63.5	111.5						
100	10～50	142	63	120	152	73	130	22	13	31
	75, 100	152	73	130						
チューブ内径 (mm)	ストローク範囲 (mm)	CW	CX	CZ	L	L ₁	N	RR		
63	10～50	30	22	44	8	33.5	M10×1.5	14		
	75, 100									
80	10～50	38	28	56	10	43.5	M12×1.75	18		
	75, 100									
100	10～50	45	32	64	12	43.5	M12×1.75	22		
	75, 100									

二山クレビス金具材質: 鋼鉄
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