

Compact Cylinder: Non-rotating Rod Type

Double Acting, Single Rod Series CQ2K

Weight

(g)

Bore size (mm)	Cylinder stroke (mm)											
	5	10	15	20	25	30	35	40	45	50	75	100
12	60	67	74	81	88	95	—	—	—	—	—	—
16	58	67	76	85	94	103	—	—	—	—	—	—
20	103	117	131	145	159	173	187	201	215	229	—	—
25	137	152	167	182	197	212	227	242	257	272	—	—
32	203	223	243	263	283	303	323	343	363	383	403	423
40	215	238	261	284	307	330	353	376	399	422	445	468
50	—	381	418	455	492	529	566	603	640	677	714	751
63	—	550	592	634	676	718	760	802	844	886	928	970

Additional Weight

(g)

Bore size (mm)	12	16	20	25	32	40	50	63
Both ends tapped style	—	—	—	—	—	6	6	19
Rod end male thread	Male thread	1.5	3	6	12	26	27	53
	Nut	1	2	4	8	17	17	32
With boss in head side	0.7	1.3	2	3	5	7	13	25
Built-in One-touch fittings	—	—	—	—	12	12	21	21
Foot style (Including mounting bolt)	—	—	—	—	—	154	242	323
Rod side flange style (Including mounting bolt)	—	—	—	—	—	213	372	558
Rear flange style (Including mounting bolt)	—	—	—	—	—	198	348	534
Double clevis style (Including pin, snap ring, bolt)	—	—	—	—	—	196	393	554

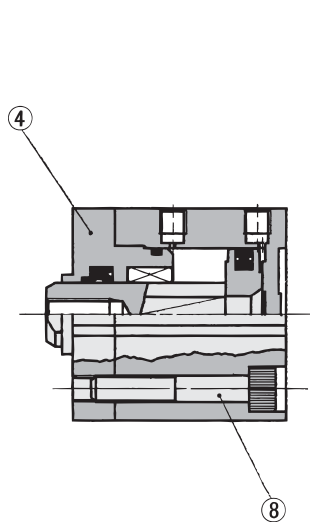
Calculation: (Example) CQ2KD40-20DM

- Cylinder weight: CQ2KA40-20D 284 g
- Option weight: Both ends tapped style 6 g
- Rod end male thread 44 g
- Double clevis style 196 g

530 g

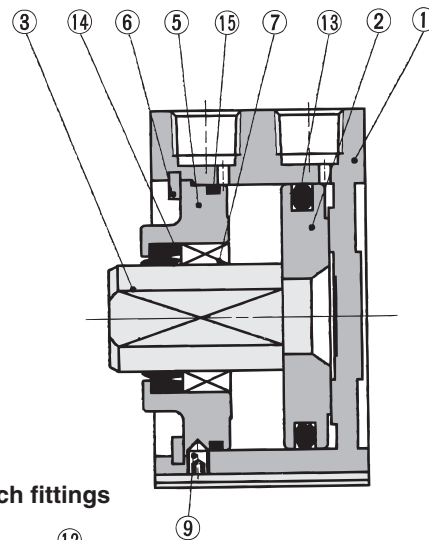
Construction

Basic style (Bore size ø12 to ø32)

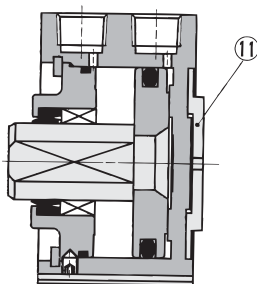


Built-in One-touch fittings

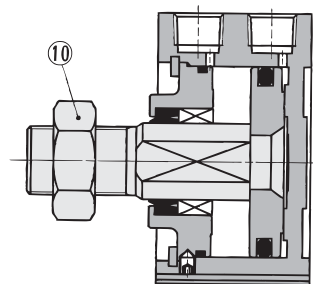
Basic style (Bore size ø40 to ø63)



With boss in head side



Rod end male thread



Component Parts

No.	Description	Material	Note
①	Cylinder tube	Aluminum alloy	Hard anodized
②	Piston	Aluminum alloy	Chromated
③	Piston rod	Stainless steel	ø12 to ø25
		Carbon steel	ø32 to ø100, Hard chrome plated
④	Rod cover	Brass	ø12, Nickel plated
		Aluminum alloy	ø16 to ø63, Anodized
⑤	Collar	Aluminum alloy	ø40 to ø63, Anodized
⑥	Snap ring	Carbon tool steel	Phosphate coated
⑦	Bushing	Oil-impregnated sintered alloy	ø16 to ø63
⑧	Hexagon socket head cap screw	Alloy steel	ø12 to ø32, Nickel plated
⑨	Hexagon socket head set screw	Alloy steel	ø40 to ø63, Nickel plated
⑩	Rod end nut	Carbon steel	Nickel plated
⑪	Centering location ring	Aluminum alloy	ø20 to ø63, Hard anodized
⑫	One-touch fitting	—	ø32 to ø63

No.	Description	Material	Note
⑬	Piston seal	NBR	
⑭	Rod seal	NBR	
⑮	Tube gasket	NBR	

Replacement Parts: Seal Kit

Bore size (mm)	Kit no.	Note	Bore size (mm)	Kit no.	Note
12	CQ2KB12-PS	Nos. above ⑬, ⑭, ⑮	32	CQ2KB32-PS	Nos. above ⑬, ⑭, ⑮
16	CQ2KB16-PS		40	CQ2KB40-PS	
20	CQ2KB20-PS		50	CQ2KB50-PS	
25	CQ2KB25-PS		63	CQ2KB63-PS	