

Compact Cylinder: Non-rotating Rod Type

Double Acting, Double Rod Series CQ2KW

Weight

(g)

Bore size (mm)	Cylinder stroke (mm)											
	5	10	15	20	25	30	35	40	45	50	75	100
12	62	69	76	83	90	97	—	—	—	—	—	—
16	62	73	84	95	106	117	—	—	—	—	—	—
20	101	116	131	146	161	176	191	206	221	236	—	—
25	138	155	172	189	206	223	240	257	274	291	—	—
32	242	266	290	314	338	362	386	410	434	458	595	715
40	349	380	411	442	473	504	535	566	597	628	879	1034
50	—	548	593	638	683	728	773	818	863	908	1251	1476
63	—	772	811	850	889	928	967	1006	1045	1084	1391	1586

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	3	6	12	24	52	54	106
	Nut	2	4	8	16	34	34	64
Built-in One-touch fittings	—	—	—	—	12	12	21	21
Foot style	—	—	—	—	—	155	243	324
Flange style	—	—	—	—	—	214	373	559

Calculation:

(Example) CQ2KWA40-20DM

Cylinder weight: CQ2KWB40-20D..... 442 g

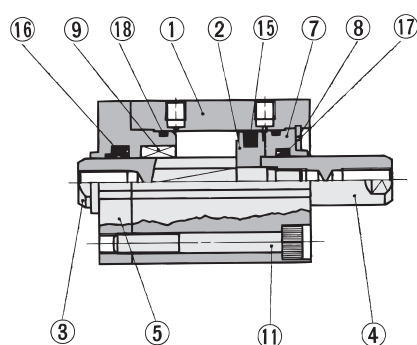
Option weight: Both ends tapped style..... 6 g

Rod end male thread..... 88 g

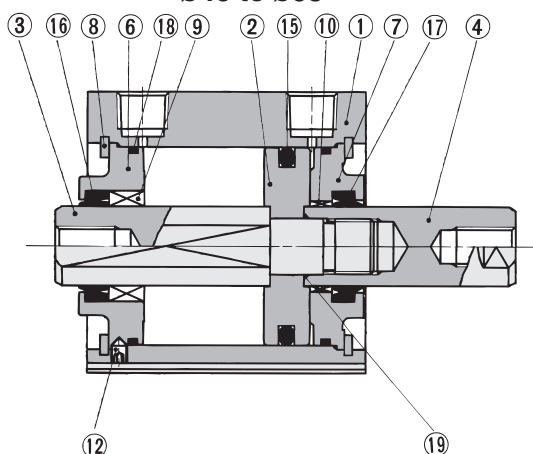
536 g

Construction

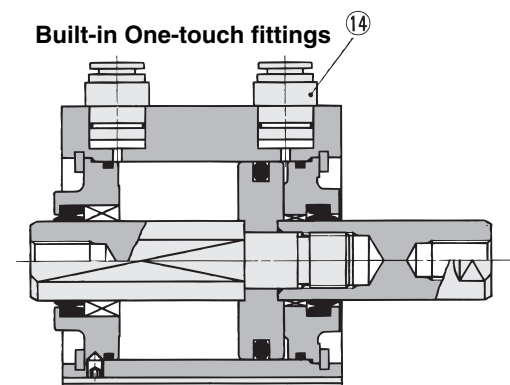
ø12 to ø32



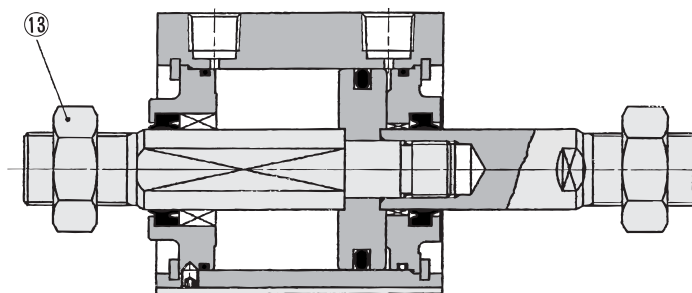
ø40 to ø63



Built-in One-touch fittings



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 A	Stainless steel	ø12 to ø25
		Carbon steel	ø32 to ø63, Hard chrome plated
④	Piston rod B	Stainless steel	ø12 to ø25
		Carbon steel	ø32 to ø63, Hard chrome plated
⑤	Rod cover	Brass	ø12, Nickel plated
		Aluminum alloy	ø16 to ø32, Anodized
⑥	Collar for non-rotating	Aluminum alloy	ø40 to ø63, Anodized
		Aluminum alloy	ø12 to ø40, Anodized
⑦	Collar	Aluminum alloy casted	ø50 to ø63, Chromated, Painted
		Carbon tool steel	Phosphate coated
⑧	Snap ring	Carbon tool steel	Phosphate coated
⑨	Bushing for non-rotating	Oil-impregnated sintered alloy	ø16 to ø63
⑩	Bushing	Lead-bronze casted	ø50, ø63
⑪	Hexagon socket head cap screw	Alloy steel	ø12 to ø32, Nickel plated
⑫	Hexagon socket head set screw	Alloy steel	ø40 to ø63, Nickel plated
⑬	Rod end nut	Carbon steel	Nickel plated
⑭	One-touch fitting	—	ø32 to ø63

No.	Description	Material	Note
⑮	Piston seal	NBR	
⑯	Rod seal for nonrotating	NBR	
⑰	Rod seal	NBR	
⑱	Gasket	NBR	
⑲	Piston gasket	NBR	ø32 to ø63

Replacement Parts: Seal Kit

Bore size (mm)	Kit no.	Note
12	CQ2KWB12-PS	Set of nos. above ⑮, ⑯, ⑰, ⑱
16	CQ2KWB16-PS	
20	CQ2KWB20-PS	
25	CQ2KWB25-PS	
32	CQ2KWB32-PS	
40	CQ2KWB40-PS	
50	CQ2KWB50-PS	
63	CQ2KWB63-PS	

* Seal kit includes ⑮, ⑯, ⑰, ⑱. Order the seal kit, based on each bore size.