

Rotary clamp cylinder

QCK Series



Specification

Bore size(mm)	12	16	20	25	32	40	50	63
Acting type	Double acting							
Fluid	Air(to be filtered by 40 μ m filter element)							
Operating pressure	0.15~1.0MPa(22~145psi)(1.5~10bar)							
Proof pressure	1.5MPa(215psi)(15bar)							
Temperature	-20~70°C							
Speed range	50~200mm/s							
Rotation angle	90°							
Repeatability	± 2°							
Rotation direction	Turn left or turn right							
Rotation stroke(mm)	7.5		9.5		15		19	
Clamping stroke (mm)	10	20	10	20	30	10	20	30 50
Stroke tolerance	+1 ₀ ⁰							
Cushion type	Bumper							
Port size [Note1]	M5×0.8				1/8"		1/4"	

[Note1]PT thread, G thread and NPT thread are available.

Add) QCK series are all attached with magnet, please refer to Page 338 for the specific content of sensor switch.

Symbol



Product feature

1. It can be used on welding fixtue, the QPQ surface treatment prevent piston rod damage by welding slag; better than chrome plated piston rod.
2. The front cover with stainless steel dust scraping ring, can keep the dust and welding slag out, and protect cylinder internal parts.
3. The mounting dimension of body is the same as ACQ series, can use ACQ series' accessories.

Ordering code

QCK L 32 × 10 S M FB □

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

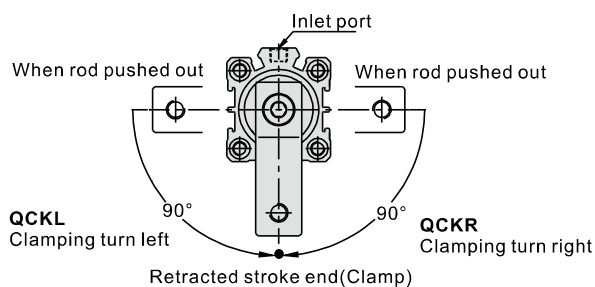
① Model	② Rotation direction	③ Bore size	④ Clamping stroke	⑤ Magnet	⑥ Rod type	⑦ Mounting type [Note1]	⑧ Thread type [Note2]
QCK: Rotary clamp cylinder	L: Push and turn left R: Push and turn right	12	10 20	S: With magnet	Blank: Taper type (with clamp arm) M: Across flat position type(without clamp arm)	Blank: No bracket FB: FB type	Blank: PT G: G T: NPT
		16	10 20 30				
		20					
		25					
		32	10 20 30 50				
		40					
50							
63							

[Note1] Back flange is same as ACQ series (please refer right table), if need front flange, please contact us.

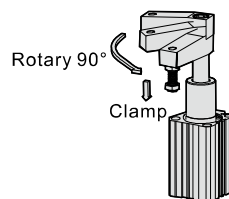
[Note2] When the thread is standard, the code is blank.

Bore size\Accessories	FB	Material	Bore size\Accessories	FB	Material
12	F-ACQ12FA	Aluminum alloy	32	F-ACQ32FA	Aluminum alloy
16	F-ACQ16FA		40	F-ACQ40FA	
20	F-ACQ20FA		50	F-ACQ50FA	
25	F-ACQ25FA		63	F-ACQ63FA	

The definition of rotation direction and angle

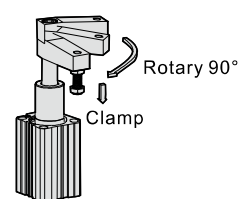


Levorotatory(QCKL):
When the piston of cylinder moves downward, the swivel arms moves anticlockwise, this is called levorotatory.



The order code is **L**

Dextrorotatory(QCKR):
When the piston of cylinder moves downward, the swivel arms moves clockwise, this is called dextrorotatory.



The order code is **R**