

Other Clamp Cylinders Product Lineup

Pin Clamp Cylinder (Compact body type): Series CKU



Features: Compact flat-body spring-extended clamp cylinder.
Best suited for applications that install multiple cylinders in a confined space for car line switching, etc.
Applicable to magnetic field resistant solid state switch.
Special order ... $\phi 32/\phi 50$ (Applicable to cylinders with lock.)

Bore size	$\phi 32$ Equivalent	$\phi 50$ Equivalent
Maximum operating pressure	0.7 MPa	
Operating stroke (mm)	12	15
Cushion	Rubber bumper	

Pin-Shift Cylinder: Series CKQR



Features: Best suited for basic pin-shift applications.
Extended end deflection accuracy: ± 0.1 mm or less. (at no load)
Non-rotating mechanism/Built-in metal rod scraper
Available in 4 mounting directions (three sides and bottom).
Two bore sizes of rod end can be selected according to the model. (Rod end bore size ... $\phi 25/\phi 40$)
Built-in compact proximity switch for position detection. (Extended end/retracted end)

Bore size	$\phi 63$
Maximum operating pressure	0.7 MPa
Stroke (mm)	25 or 50

Plate Clamp Cylinder: Series M(D)UKA



Features: Compact flat-body clamp cylinder.
Built-in metal rod scraper.
Applicable to magnetic field resistant solid-state switches.
Applicable to cylinders with lock as special. ($\phi 50$ only)
Applicable to bore sizes 32 and 40 as special.

Bore size	$\phi 50$ Equivalent	$\phi 63$ Equivalent
Maximum operating pressure	0.7 MPa	
Stroke (mm)	50, 75, 100, 125, 150	
Cushion	Rubber bumper	

CK□1

CLK2

For Asia

C(L)KQ□

MK2T/MK2/MK

For North America

CKZ2N

For Europe

CKZT

For France

CLKZ1R

Special

CK□/M(D)UKA

Other Clamp Cylinders

Clamp Cylinder: Series CKGV



Features: Clamp cylinder with built-in the toggle mechanism
 Mountable on both sides
 Two arm opening/closing angles at unclamped side can be selected.
 Arm opening/closing angle at unclamping side can be adjusted by stroke adjustment by an adjusting screw.
 Applicable to magnetic field resistant solid state switch
 Selectable for safety mechanism. (Maximum thrust is generated only at clamping to prevent nipping.)

Bore size	ø32	ø50	ø63	ø80
Maximum operating pressure	1.0 MPa			
Cushion	Head side rubber bumper			
Arm opening/closing angle	Type 90° ... 45° to 90° Adjustable			
	Type 135° ... 105° to 135° Adjustable			

Pin-Shift Cylinder: Series CKZP



Features: Non-rotating rod type pin-shift cylinder
 Extended end deflection accuracy: 0.05 mm or less
 Rod non-rotating accuracy: ±1.0 degree or less
 Available in 3 directions for mounting and 2 directions for piping.
 The piston position can be detected accurately because of a proximity switch.
 Built-in metal rod scraper prevents adhesion of spatter.

Bore size	ø40	ø63 Equivalent
Maximum operating pressure	0.8 MPa	
Stroke (mm)	40	
Cushion	Rubber bumper	