

# 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:  $\pm 0.1$  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	