

Air Actuators

For High Precision Positioning: Pin Shift Cylinder **CKQG-X2370/CKQP-X2371**

- High Precision : Rod end deflection of ± 0.1 mm or less
- Position reproducibility
- Pins for positioning the workpiece provided by the customer can be directly mounted.
- Built-in coil scraper
- Reduces labor time by integrating the cylinder and guide
- Magnetic field resistant auto switches are mountable.



Type	Series	Bore size [mm]	Stroke [mm]
Built-in standard magnet	CKQG-X2370	32, 40, 50	25, 30, 40, 50
Built-in strong magnet	CKQP-X2371	50	30, 50

Pin Clamp Cylinder **C(L)KQG/C(L)KQP**

- Simultaneous positioning and clamping
- Compatible with a broad range of workpiece configurations (55 types of guide pins)
- 4 body types for a broad range of installation conditions
- The height of the clamping position can be selected according to the workpiece.



Type	Series	Guide pin shape	Bore size (mm)
Standard (Built-in standard magnet)	CKQG	Round / Diamond	50
Standard (Built-in strong magnet)	CKQP		
With lock (Built-in standard magnet)	CLKQG		
With lock (Built-in strong magnet)	CLKQP		

Clamp Cylinder **CK□1**

- Total tube length reduced by 7 mm (for CKP1m40)
- Easy fine speed adjustment with screw adjustment construction
- Speed controller valve has no projection from the tube's external surface
- It is possible to mount magnetic field resistant auto switches from 3 directions. D-P3DW type, D-P4DW type (CKG1), D-P79WSE type, D-P74L/Z type
- Can be used as a spatter resistant cylinder for arc welding (-XC88/-XC89/-XC91) (CKG1 only)



Type	Series	Action	Clevis width (mm)	Bore size (mm)
Standard	CK1-Z	Double acting, Single rod	16.5, 19.5	40, 50, 63
Built-in standard magnet type (With magnetic field resistant auto switch)	CKG1-Z			
Built-in strong magnet type (With magnetic field resistant auto switch)	CKP1-Z			

Clamp Cylinder with Lock **CLK2**

- The clamp cylinder makes it possible to maintain a clamped or unclamped state even when the air supply pressure drops or residual pressure is released. (Single-directional lock)
- Increases operation efficiency by eliminating the overhang from the tube cover with built-in cushion valve and plug



Type	Series	Action	Clevis width (mm)	Bore size (mm)
Built-in standard magnet	CLK2G	Double acting, Single rod	12, 16.5, 19.5	32, 40, 50, 63
Built-in strong magnet	CLK2P		16.5, 19.5	40, 50, 63

Power Clamp Cylinder **CKZT**

- 3 types of arm variations for each size
- Spatter resistant and water resistant structure



Type	Arm opening angle	Switch	Bore size (mm)
CKZT	30°, 45°, 60°, 75°, 90°, 105°, 120°, 135°	TURCK/P&F	50, 63, 80

Slim-line Power Clamp Cylinder **CKZ2N-X2346**

- The distance accuracy from the reference hole to the lower surface of the clamp arm is ± 0.1 mm.
- Easy setup with a scale The guide of the appropriate position can be checked visually when adjusting the shim.
- Reduced width Easy torch entry for spot welding, arc welding, etc.



Series	Arm opening angle	Bore size [mm]
CKZ2N-X2346	30°, 45°, 60°, 75°, 90°, 105°, 120°, 135°	50, 63, 80

Power Clamp Cylinder **CKZ3**

- Weight reduced by up to 39% with aluminum body
- Standardized unclamp opening to 15°
- Complies with NAAMS Standards (CKZ3N)
- 75 types of arm variations (CKZ3N), 12 types for each size (CKZ3T)



Series	Arm opening angle	Switch	Bore size (mm)
CKZ3N (For North America)	15°, 30°, 45°, 60°, 75°, 90°, 105°, 120°, 135°	TURCK/P&F	50, 63
CKZ3T (For Europe)			

Heavy Duty Stopper Cylinder **RS2H**

- Weight: Reduced by up to 22% (Compared with the previous RS1H series)
- Cylinder tube: Shortened by up to 9 mm (RS2H63-30 stroke)
- Capable of stopping pallets softly
- Stopper cylinder with shock absorber
- Lock Release specification (-XC102)



Type	Series	Action	Bore size (mm)
Flange	RS2H	Double acting Double acting with spring Single acting, spring extend	50, 63, 80