

Rotary clamp cylinder

Achieves compact clamping by combining rotational and linear motion



RCS2 Series

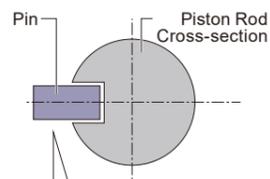
(ø12 to ø63)

Standard single guide



Simple single guide structure contributes to space saving.

By providing a guide groove (1 place) on the Piston Rod and making it slide on the pin, linear and rotational motion is performed.



One guide groove (Single guide)



RCC2 Series

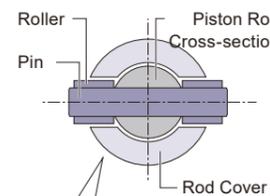
(ø16 to ø63)

Robust type with 2-groove guide



Adopts a 2-guide groove structure to improve wear resistance of the guide grooves. Rollers are equipped on the guide pins for ø32 to ø50.

By providing guide grooves (2 places) on the rod cover and making them slide on the pins, linear and rotational motion is performed.



2 guide grooves (Double guide)

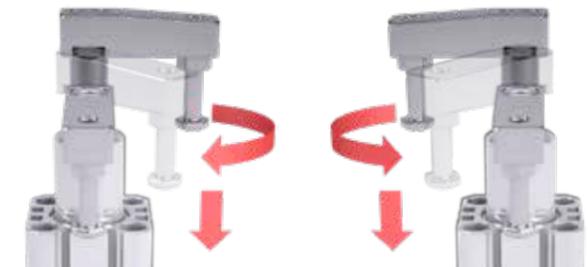


Consideration for environmental resistance

Coil scraper is standardly equipped for ø20 and above.

Combination of rotational and linear motion

Since the clamp lever rotates 90° during unclamping, setting and removing the workpiece can be done easily.



Clockwise 90° (R: Right rotation)

Counter-clockwise 90° (L: Left rotation)

Improved accuracy of mounting repeatability

All models are standardly equipped with a rod side spigot joint. (RCS2 also supports head side spigot joint as an option)

Sputter adhesion prevention type

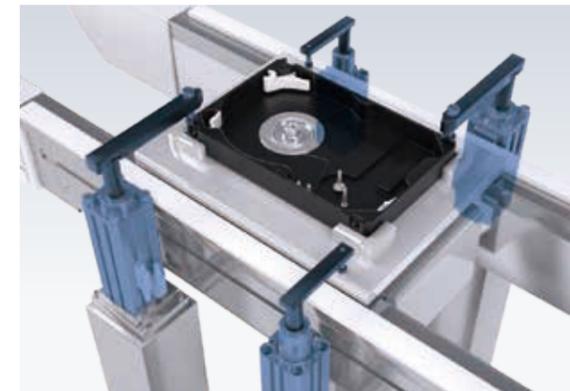
We offer a sputter adhesion prevention type that can withstand harsh environments in welding processes. (G4 type: Available for RCS2 Series ø32 and larger, RCC2 Series ø20 and larger)

Strong magnetic field proof switch T2YD type

Strong magnetic field proof switch T2YD type for AC magnetic fields can be installed. (ø20 or more)

Application Example

Clamping of jigs (pallets) and workpieces on conveyors



*short lever: RCS2 Long lever: RCC2

Workpiece clamping in dry deburring and finishing processes



Workpiece auxiliary holding for transfer robots



Workpiece clamping with welding jigs



Clamping

CAC4

UCAC2

CAC-N

UCAC-N

RCS2

RCC2

PCC

Cylinder Switch

Ending

Clamping

CAC4

UCAC2

CAC-N

UCAC-N

RCS2

RCC2

PCC

Cylinder Switch

Ending