



To Use This Product Safely

Be sure to read this before use. For general cylinder information, see Intro 41, and for cylinder switches, see P. 1512.

Individual Precautions: Rotary clamp cylinder RCC2 Series

Design / Selection

1. Common

Warning

■ This cylinder strokes while the Piston Rod rotates (90°) during operation.

Ensure that the lever included with the Piston Rod tip does not interfere with external parts when rotating. Since the lever included with the Piston Rod tip rotates, if there is a risk of danger to humans, take safety measures such as installing a protective cover.

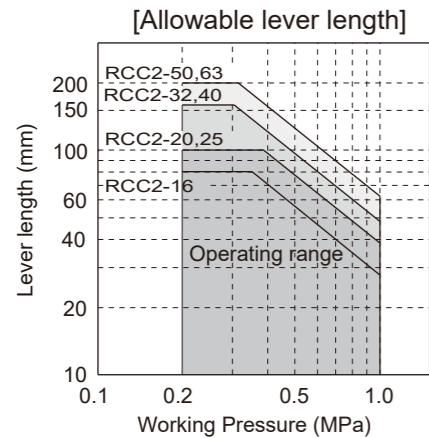
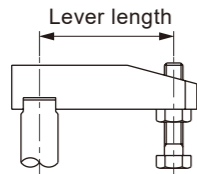
CAUTION

About Clamp Position

- Do not clamp while swiveling. Clamp at a position 3 mm or more before the stroke end within the clamp stroke range.
- Do not perform clamping that applies rotational force to the Piston Rod.
 - Do not clamp in the rotational direction.
 - Do not clamp inclined parts.
 - Cannot be used if the workpiece moves during clamping.

About Lever Length and Operating Pressure

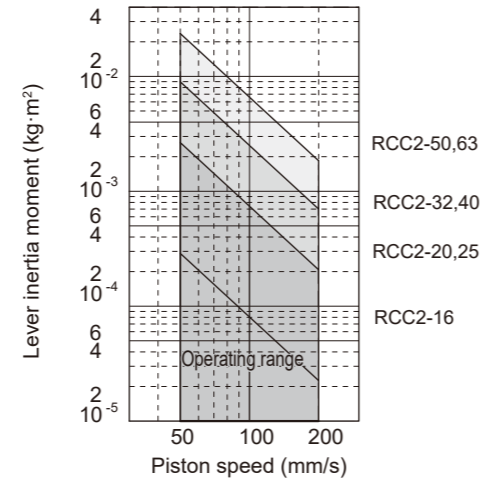
Please set the lever length and Operating Pressure within the range shown in the diagram below.



About Lever Moment of Inertia and Piston Speed

Please set the lever moment of inertia and piston speed within the range shown in the diagram below.

[Allowable moment of inertia for lever]



Note) The lever allowable moment of inertia graph is applicable only for vertical top/bottom mounting.

About Operating Environment

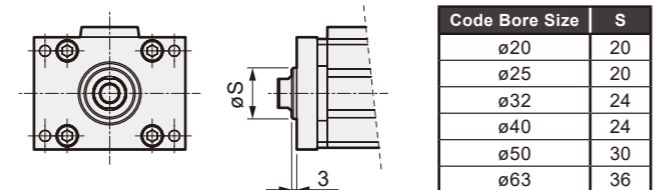
ø16 does not have a built-in coil scraper for welding environments.

2. Anti-spatter adherence RCC2-G4

■ This cylinder has improved durability in a sputter scattering atmosphere compared to general type cylinders. If used in an atmosphere other than sputter scattering, durability may be inferior to general type cylinders. Do not use in atmospheres other than sputter scattering.

■ Sputter adhesion inhibitor is volatile, so if the adhesion inhibitor on the rod surface begins to dry, apply it to the rod surface to replenish it.

■ For mounting type FA (rod side flange), the holder will protrude from the flange end face, so please be careful.



For notes on mounting, installation, adjustment, use, and maintenance, CKD Components Product Site (<https://www.ckd.co.jp/kiki/en/>) → "Model No." → Instruction Manual.