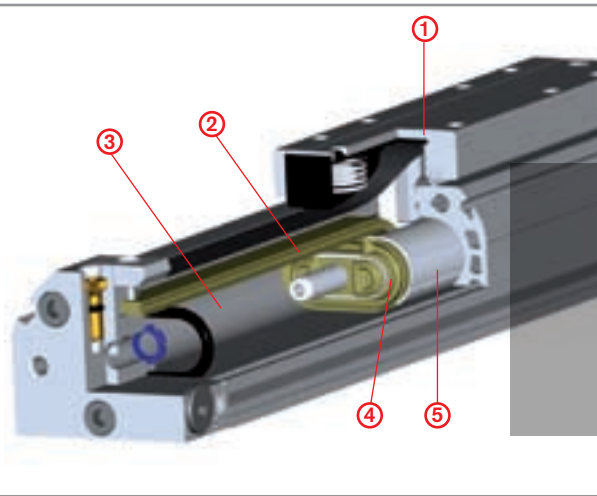


Simply Outstanding: Rodless Cylinders with Trend-Setting Product Architecture

RTC – The New Series of Rodless Cylinders



RTC – The New Generation of Rodless Cylinders



The new compact package and unique features of RTC create new possibilities. The oval piston concept supports higher loads and moments than a round piston. High load capacity and smaller cylinder dimensions enable a simplified, more compact machine design.

- ① Shuttle and piston in one piece increase strength
- ② Special inner seal band guarantees minimum leakage
- ③ Lubrication for a wide velocity range
- ④ Oval piston provides low in-built dimension
- ⑤ Oval piston allows high loads and moments

RTC is the result of extensive experience

Rexroth has many years of experience in producing rodless cylinders and guarantees high quality in development and production. The RTC series offers different versions for many applications, with a wide velocity range, high load capacity,

and a high level of precision in movement and position. Shuttle and piston are in one piece, which ensures a high level of strength and reliable construction. This, in turn, increases safety and helps prevent production disturbances.

RTC is “Easy-2-Combine”

RTC cylinders with guide have an interface for Rexroth “Easy-2-Combine” components for multi-axis systems. They simplify machine design and building saving time and costs. RTC on-line tools for configuration, CAD and calculation support easy handling.

- Easy-2-Combine interface
- Calculation program & configurator
- Available in different versions
- Sensor groove for magnetic sensor ST4

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Four types, different tasks, one concept: RTC cylinder series



RTC-BV, Basic Version
Internally guided by unique oval piston concept. Typical applications: transportation, door opener, cutting, pusher. Piston Ø: 16 to 80 mm



RTC-CG, Compact Guide
Compact high-precision guide. Typical applications: medium loads in areas with limited space: basic axis in small Easy-2-Combine arm application. Piston Ø: 16 to 40 mm



RTC-HD, Heavy Duty
High-load, high-precision guide. Typical applications: basic axis in handling combinations, extreme load capacity. Piston Ø: 16 to 63 mm



RTC-EG, E-line Guide
Cost-efficient precision guide. Typical applications: pushing non-guided objects. Piston Ø: 16 to 32 mm

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R499050481/2007-03/EN