

RSX096 OIL COOLED OPTION

Contact Tolomatic for RSX080 & RSX128 Oil Cooled Option

RSX EXTREME FORCE, HYDRAULIC CLASS ACTUATORS

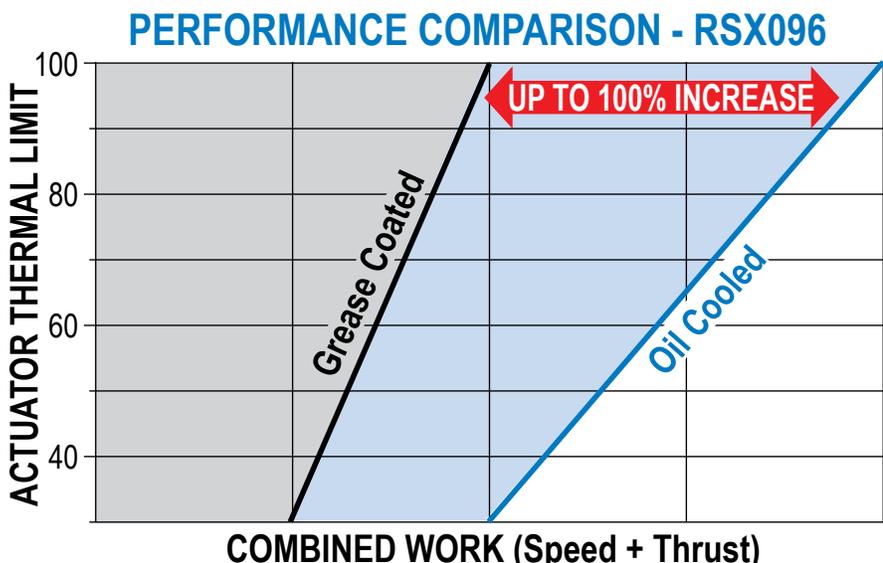
Challenge: High force applications that are above standard RSX range

- Some applications require higher duty cycles and forces than can be supported by traditional greases and lubrication intervals. Proper operation and maintenance is critical to long life.
- Consistent service life requires a careful balance of the amount of work that needs to be done and maintaining optimal internal screw & nut temperatures.
- If possible, avoid external cooling systems since they are:
 - > Costly and difficult to implement
 - > Too large and take up extra space
 - > Prone to leaks and additional maintenance
 - > Often require sophisticated and complex instrumentation



Solution: RSX Oil Cooled Actuator

- Eliminates the need for frequent lubrication and maintenance schedules while also doubling the continuous capabilities of the actuator
- The oil cooled option provides more efficient heat transfer from the load carrying components



Please contact Tolomatic for performance of other oil cooled RSX sizes

What does Oil Cooled mean?

An unpressurized synthetic oil bath around the screw and nut replaces the standard (extreme temperature and pressure rated) grease. The oil bath efficiently reduces internal temperatures while simultaneously providing lubrication.

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RSX ACTUATORS

- An ideal choice for replacing hydraulic cylinders
- Available for forces up to 50,000 lbf (222 kN)
- Designed for 100% duty cycle, rugged service and long life

OIL COOLED OPTION

- Provides up to 2 times the work capacity compared to standard grease RSX actuators.

ENDURANCE TECHNOLOGYSM
A Tolomatic Design Principle

THRUST TUBE

- Steel thrust tube supports extremely high force capabilities
- Salt bath nitride treatment provides excellent corrosion resistance, surface hardness and is very resistant to adherence of potential contaminants

YOUR MOTOR HERE

Motors and gearboxes up to 215 mm motor frame size

PLANETARY ROLLER SCREWS

- Precision ground planetary roller screws
- High force with high dynamic load rating for long life
- High positional accuracy $\pm 0.0102\text{mm}/300\text{mm}$ ($\pm 0.0004''/\text{ft.}$)

OIL RETAINING REPLACEABLE ROD SEAL CARTRIDGE

One piece assembly designed for easy field replacement

OIL FILL PORT

Easy maintenance when required

INTERNAL ANTI-ROTATE

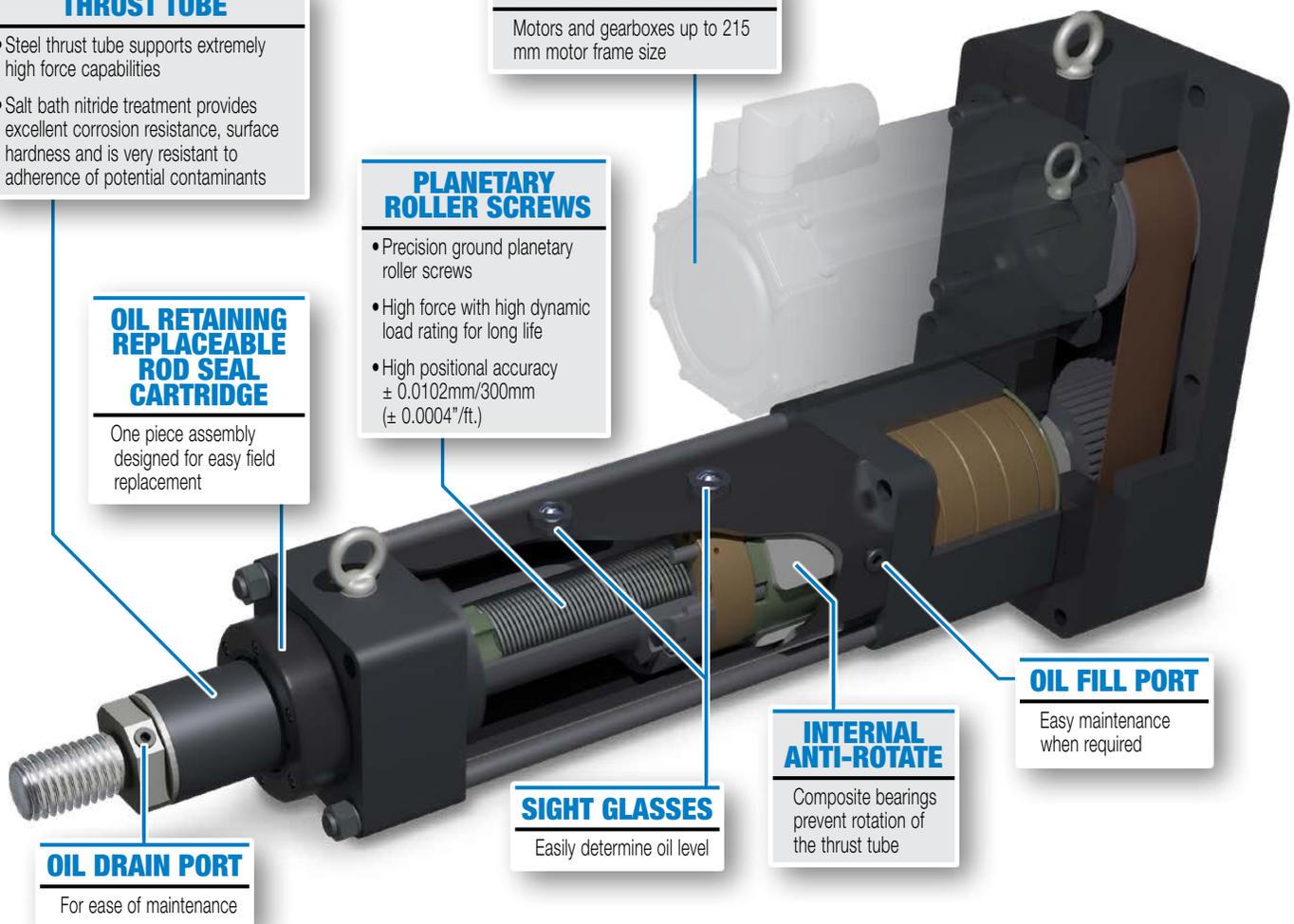
Composite bearings prevent rotation of the thrust tube

SIGHT GLASSES

Easily determine oil level

OIL DRAIN PORT

For ease of maintenance



MADE IN U.S.A.

TolomaticTM
EXCELLENCE IN MOTION

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
Certified site: Hamel, MN

USA - Headquarters

Tolomatic Inc.
3800 County Road 116
Hamel, MN 55340, USA
Phone: (763) 478-8000
Toll-Free: 1-800-328-2174
sales@tolomatic.com
www.tolomatic.com

MEXICO

Centro de Servicio
Parque Tecnológico Innovación
Int. 23, Lateral Estatal 431,
Santiago de Querétaro,
El Marqués, México, C.P. 76246
Phone: +1 (763) 478-8000
help@tolomatic.com

EUROPE

Tolomatic Europe GmbH
Elisabethenstr. 20
65428 Rüsselsheim
Germany
Phone: +49 6142 17604-0
help@tolomatic.eu
www.tolomatic.com/de-de

CHINA

Tolomatic Automation Products (Suzhou) Co. Ltd.
No. 60 Chuangye Street, Building 2
Huqiu District, SND Suzhou
Jiangsu 215011 - P.R. China
Phone: +86 (512) 6750-8506
Tolomatic_China@tolomatic.com

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