RSA-HT OPTION

ENDURANCE TECHNOLOGY℠

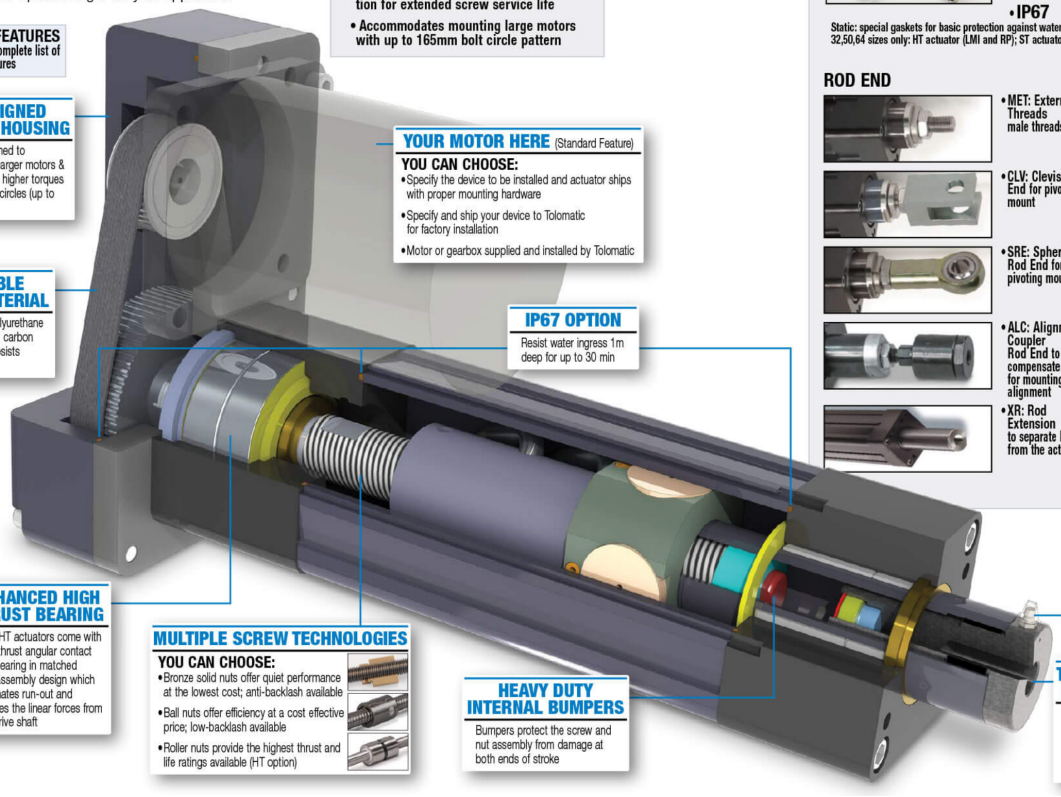
A Tolomatic Design Principle

The HT option is a higher thrust option for the 24, 32, 50 and 64 sizes of the RSA family. RSA actuators with roller nuts are always HT option actuators. Use Tolomatic's online sizing software to determine if the HT Option is right for your application

WHY CHOOSE THE HT OPTION?

- **Higher strength components transfer torque from the gearhead/motor through the actuator**
- **Grease zerk allows convenient relubrication for extended screw service life**
- **Accommodates mounting large motors with up to 165mm bolt circle pattern**

STANDARD FEATURES
See page 4 for a complete list of RSA standard features



REDESIGNED LMI & RP HOUSING

Specially designed to accommodate larger motors & gearboxes with higher torques and larger bolt circles (up to 6.5", 165mm)

YOUR MOTOR HERE (Standard Feature)

YOU CAN CHOOSE:

- Specify the device to be installed and actuator ships with proper mounting hardware
- Specify and ship your device to Tolomatic for factory installation
- Motor or gearbox supplied and installed by Tolomatic

DURABLE BELT MATERIAL

High torque polyurethane timing belt with carbon tensile cords resists stretching

IP67 OPTION

Resist water ingress 1m deep for up to 30 min

ENHANCED HIGH THRUST BEARING

RSA HT actuators come with high thrust angular contact ball bearing in matched pair assembly design which eliminates run-out and isolates the linear forces from the drive shaft

MULTIPLE SCREW TECHNOLOGIES

YOU CAN CHOOSE:

- Bronze solid nuts offer quiet performance at the lowest cost; anti-backlash available
- Ball nuts offer efficiency at a cost effective price; low-backlash available
- Roller nuts provide the highest thrust and life ratings available (HT option)

HEAVY DUTY INTERNAL BUMPERS

Bumpers protect the screw and nut assembly from damage at both ends of stroke

THREADED ROD END

Provides a common interface to multiple rod end options

GREASE ZERK

- This relubrication system provides extended screw service life
- Convenient lubrication without disassembly

- Standard with all HT option RSA actuators
- Grease zerk orientation is not pre-defined. Custom orientation can be requested as a product modification

Tolomatic™ EXCELLENCE IN MOTION ... MAXIMUM DURABILITY

OPTIONS (Available for all RSA actuators unless noted)

• METRIC OPTION
Provides metric tapped holes for mounting of load to rod end and of actuator to mating surfaces

• SWITCHES
Choose from: Reed, Solid State PNP or NPN, all available normally open or normally closed

• IP67
Static: special gaskets for basic protection against water and dust ingress
32,50,64 sizes only: HT actuator (LMI and RP); ST actuator (RP motor mount only)

ROD END

- **MET: External Threads male threads**

- **CLV: Clevis Rod End for pivoting mount**

- **SRE: Spherical Rod End for pivoting mount**

- **ALC: Alignment Coupler Rod End to compensate for mounting alignment**

- **XR: Rod Extension to separate load from the actuator**

MOUNTING

- **MP2: Mounting Plates for surface mounting**

- **FFG: Front Flange for mounting near rod end**

- **TRR: Trunnion Mount for pivoting mount**

Below are for RP Motor mounting only

- **BFG: Rear Flange for mounting opposite the rod end**

- **PCD: Clevis**
- **PCS: Eye Mount for pivoting mount**