

GUIDED ROD-STYLE ELECTRIC ACTUATOR **GSA-HT**

The GSA guided screw actuator with self-contained guided rod design and cylinder slide style operation is ideal for applications requiring guidance and support of the load. A robust, wide tooling plate allows easy mounting of the required end effectors for many applications. The HT option on the GSA (pictured below) is a high torque variation that is ideal for higher force applications. This option allows for roller screws to be utilized along with a higher torque transmission motor mount design. Built-to-order in stroke lengths up to 914 mm (36") with various leads, solid and ball screw options.

YOUR MOTOR HERE You can choose:

Specify motor to be installed and actuator ships with proper mounting hardware

PRECISION MACHINED SURFACES For actuator and load mounting

Extruded bearing housing is precision machined on two surfaces for true and easily aligned linear motion

Tooling plate is aligned and assembled to provide a precise mounting surface

OPTIONS:

Stop Collars

Stainless Steel
Rods/Stop Collars

Oversized Guide
Rods

Metric Mounting
Switches

INTERNAL BUMPERS Protects hardware

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

MULTIPLE SCREW TECHNOLOGIES You can choose:

Solid nuts of bronze or engineered resins offer quiet performance at the lowest cost; anti-backlash available

Ball nuts offer efficiency at a cost effective price; low-backlash available

Roller screws provide the highest force and life ratings available



INTEGRAL GUIDE RODS AND BEARINGS For precision and long life

Hardened steel guide rods provide high rigidity and low deflection

Four composite or linear ball bearings support the load for smooth, consistent motion

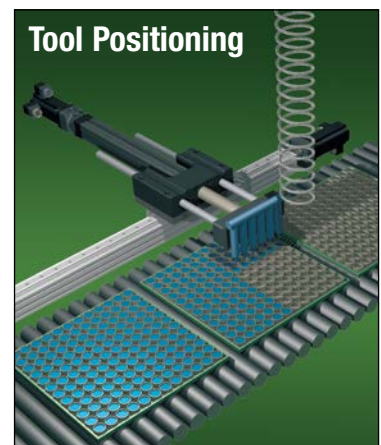
Lubrication wick supplies lube for life of actuator

STEEL THRUST TUBE and TOOLING PLATE For strength and life

Salt bath nitride treatment provides excellent protection from many chemicals

Applications:

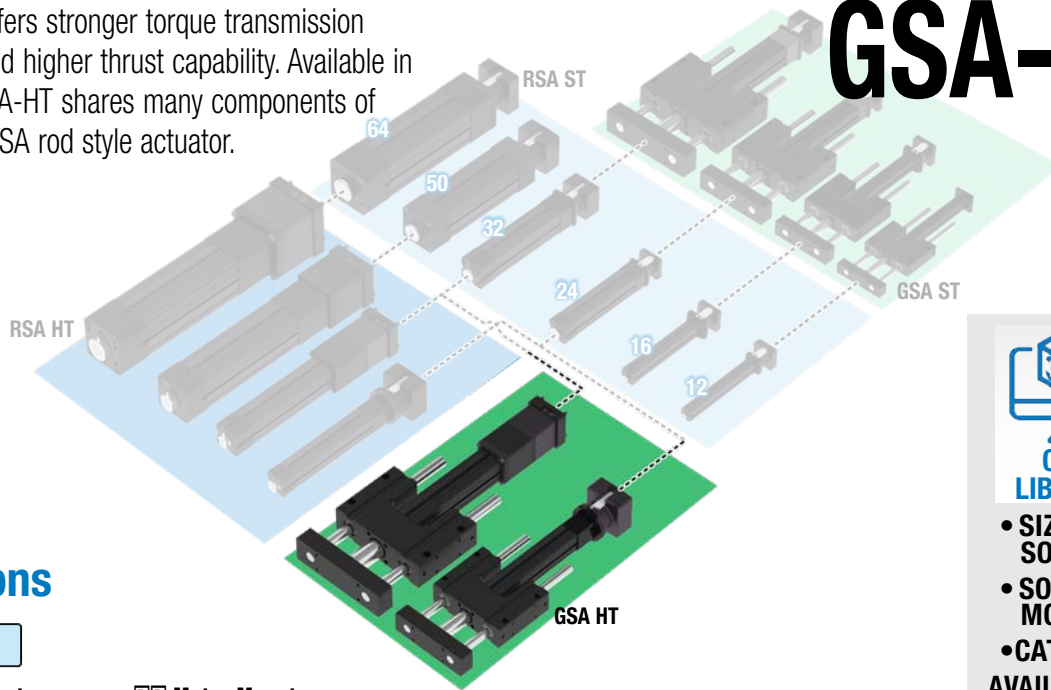
- Aligning
- Animation
- Assembly
- Automotive
- Conveyors
- Diverting
- Gating
- Material handling systems
- Medical equipment
- Open / close doors
- Packaging equipment
- Pick & place
- Piercing
- Plate positioning change
- Press fit
- Pressing
- Punching
- Robot manipulator arms
- Sonic welding
- Sorting
- Volumetric pumps
- Web guidance
- Wire winding & more!



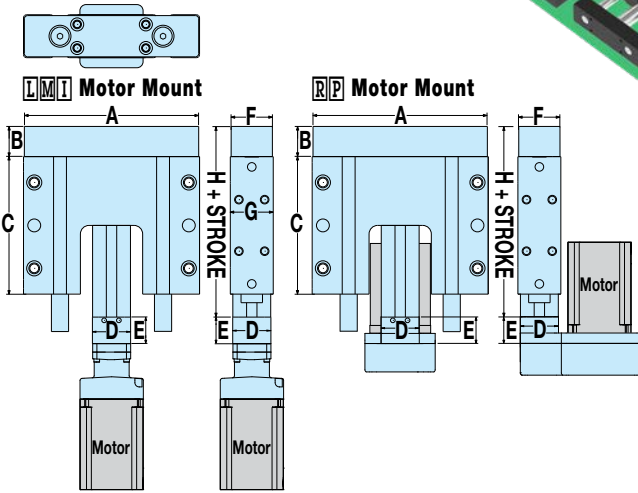
GUIDED ROD-STYLE ELECTRIC SCREW-DRIVE ACTUATOR

The GSA-HT offers stronger torque transmission components and higher thrust capability. Available in 2 sizes, the GSA-HT shares many components of the unguided RSA rod style actuator.

GSA-HT



Dimensions



NOTE: YMH (Your Motor Here) will determine motor size, motor mount size and reverse parallel housing size. Complete dimensions available in GSA brochure #3600-4231; Always use solid models available at www.tolomatic.com for critical dimensions

| | 24 | 32 | | 24 | 32 |
|----------|------|-------|----------|-------|-------|
| A | 7.75 | 10.00 | A | 196.9 | 254.0 |
| B | 1.38 | 1.63 | B | 35.1 | 41.4 |
| C | 6.00 | 7.00 | C | 152.4 | 177.8 |
| D | 2.04 | 3.25* | D | 51.8 | 85.6* |
| E | 2.25 | 3.50* | E | 57.2 | 88.9* |
| F | 2.15 | 2.65 | F | 54.6 | 67.3 |
| G | 2.25 | 2.75 | G | 57.2 | 69.9 |
| H | 7.92 | 9.13 | H | 201.3 | 232.0 |

Dimensions in inches
*max dimension

Dimensions in millimeters
*max dimension

Specifications

| | Size | 24 | 32 | | 24 | 32 |
|--------------------------|------|-------|--------|-------------|-----|------|
| Max. Thrust (lbf) | | 5,580 | 12,760 | (kN) | 7.6 | 18.5 |
| Max. Stroke (in) | | 30 | 36 | (mm) | 762 | 914 |



- SIZING SOFTWARE
 - SOLID MODELS
 - CATALOG
- AVAILABLE AT:

www.tolomatic.com



MADE IN U.S.A.

Tolomatic™

EXCELLENCE IN MOTION

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
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