GSA-ST GUIDED SCREW-DRIVE ACTATOR

The self contained guided rod design of the GSA makes it a ideal solution for applications requiring compact guidance support of a load, or side load mitigation. The large mounting surface of the tooling plate and guide body allows for a rigid connection between the mounting surface and the load.

The ST option on the GSA (pictured below) is ideal medium force applications.

LIGHTWEIGHT ALUMINUM DESIGN
For application flexibility

Black anodized bearing block provides solid structural support and multiple mounting options

Black anodized tube extrusion design is optimized for rigidity and strength

External switch channels on all sides allow easy placement of position indicating switches

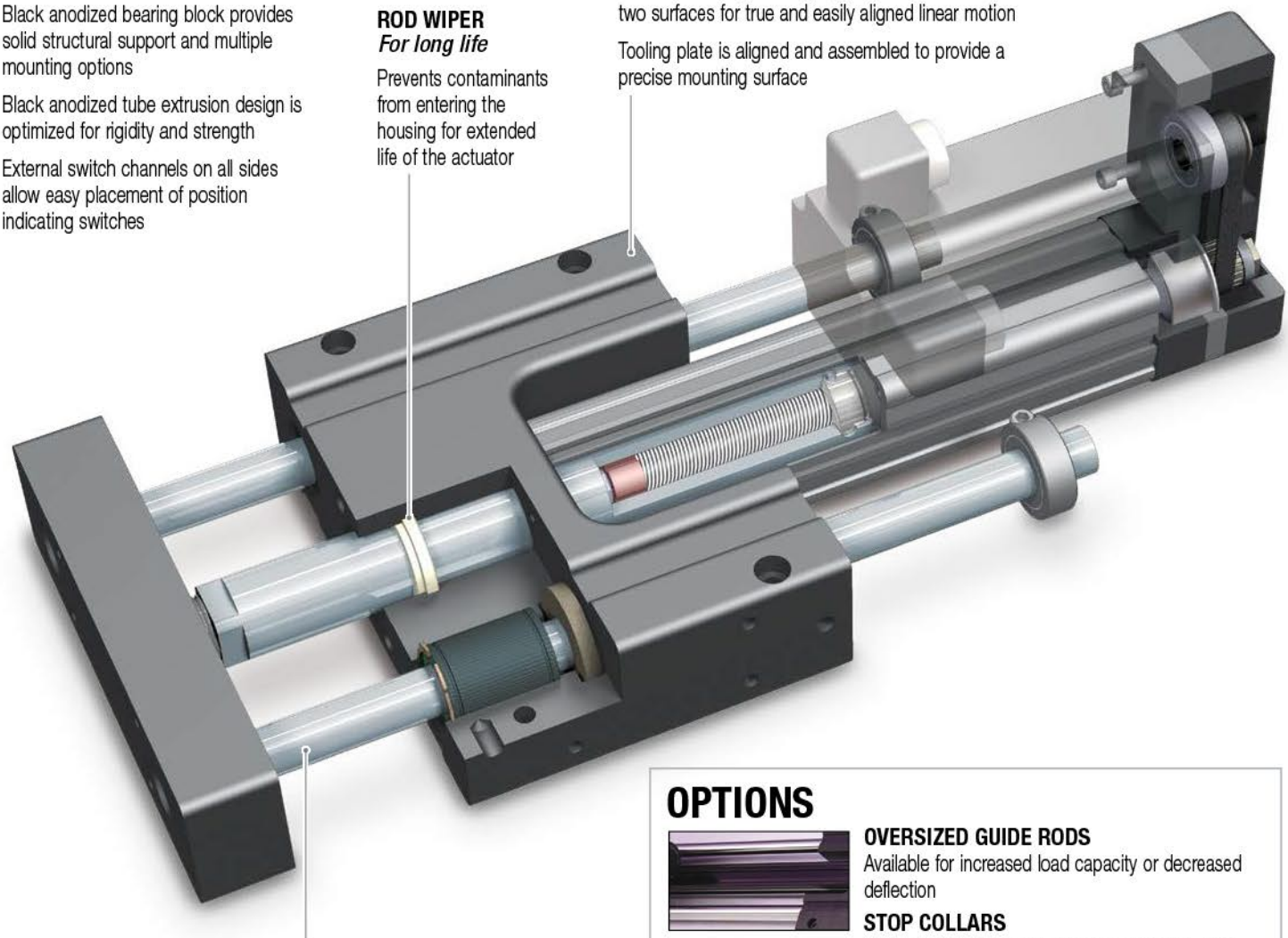
ROD WIPER
For long life

Prevents contaminants from entering the housing for extended life of the actuator

PRECISION MACHINED SURFACES
For mounting flexibility

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



INTEGRAL GUIDE RODS AND BEARINGS
Accommodates high bending moments

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

Oversized rods available for higher load capacity

Stainless steel shafting option available for corrosion resistance

OPTIONS

OVERSIZED GUIDE RODS
Available for increased load capacity or decreased deflection

STOP COLLARS
Provide a positive stop mechanism when required

CORROSION RESISTANCE
Includes 316 stainless steel guide rods and fasteners for better environmental protection

METRIC OPTION
Provides metric tapped holes for mounting of load to tooling plate and of actuator to mating surfaces

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