

GSWA33 INTEGRATED MOTOR ACTUATOR

Tolomatic™... MAXIMUM DURABILITY
EXCELLENCE IN MOTION

ENDURANCE TECHNOLOGYSM

A Tolomatic Design Principle

Endurance Technology features are designed for maximum durability to provide extended service life.

ADVANCED SCREW TECHNOLOGY

- Roller screws provide the highest thrust and life ratings available



SKEWED MOTOR WINDINGS

Skewed motor windings provide minimal torque ripple for force repeatability and smooth linear motion

INTERNAL BUMPERS

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

ROD WIPER WITH SCRAPER

Prevents contaminants from entering the actuator for extended life

INTEGRAL MOUNTING

Four threaded holes on front face are available for direct mounting or addition of customized options^o

GREASE PORT

- Patented screw re-lubrication system provides extended screw life
- Convenient lubrication without disassembly

THREADED ROD END

- Zinc plated steel construction for corrosion resistance
- Provides a common interface to multiple rod end options

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 weld slag, water and other potential contaminants

LIGHTWEIGHT ALUMINUM DESIGN

Black anodized extrusion design is optimized for rigidity and strength

MULTIPLE MOTOR WINDINGS

YOU CAN CHOOSE:

- 460VAC or 230VAC rated windings potted directly into actuator housing
- Integral thermal switch for over temperature protection

MANUAL OVERRIDE

Provides mechanical method to extend and retract the thrust rod in power off situations

IP65

IP65 rating protects actuator from ingress of water, weld slag and other debris (static)

HIGH THRUST BEARING

Provides complete support of screw and protects the feedback device from linear forces

FEEDBACK CHOICES

- Customer specified to robot manufacturer
- Multi-turn absolute encoder
- Resolver
- Digital encoder

ROBOT & DRIVE/CONTROLLER COMPATIBILITY

Compatible feedback, connector(s) and wiring to match the following robot & drive/controller manufacturers' cable dress packages

YOUR CHOICE:

- + ABB
- + Comau
- + Fanuc
- + Kawasaki
- + Kuka
- + Motoman/Yaskawa
- + Nachi
- + Rockwell Automation
- + Bosch-Rexroth
- + Emerson CT
- + WTC-Medar & more

OPTIONS

- BRAKE** • Spring held / 24V electrically released
- WATER COOLING**
- MANUAL OVERRIDE**
- LIGHT WEIGHT**
- REAR TRUNNION MOUNTING**