

GSWA 04 & 44 INTEGRATED MOTOR ACTUATOR

MANUAL OVERRIDE

Provides mechanical method to extend and retract the thrust rod in power off situations (Two access ports 180° apart) Available on GSWA04 only.

MULTIPLE MOTOR WINDINGS

YOU CAN CHOOSE:

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

LIGHTWEIGHT ALUMINUM DESIGN

Black anodized extrusion design is optimized for rigidity, strength and heat dissipation

ROD WIPER WITH SCRAPER

Prevents contaminants from entering the actuator for extended life

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

THREADED ROD END

- Solid stainless steel construction for corrosion resistance
- Provides a common interface to multiple rod end options

INTEGRAL MOUNTING

Threaded holes on front face are available for direct mounting or addition of customized options

ROBUST BUSHINGS

Supports the thrust tube and nut assembly through entire stroke length

INTERNAL BUMPERS

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

SKewed MOTOR WINDINGS

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

ADVANCED SCREW TECHNOLOGY

- Roller screws provide the highest thrust and life ratings available



IP65

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

HIGH THRUST BEARING

Provides complete support of screw with high load rating, maximum rigidity and high strength bearing

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

WATER COOLING
REAR TRUNNION MOUNTING