

# GSWA33, GUIDED INTEGRATED MOTOR ACTUATOR

## ROBUST BUSHINGS

- Large bushings provide additional side loading support for the thrust tube protecting the screw assembly
- Eliminates external guide on RSW chassis
- Protects guided mechanism in RSW environment

## ROD WIPER WITH SCRAPER

Prevents contaminants from entering the actuator for extended life

## 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
- Large diameter guided thrust tube

## ANTI-ROTATE ASSEMBLY

- Fully enclosed to protect components from harsh environments
- Provides additional side loading support

## ANTI-ROTATE MECHANISM

- Far more efficient than sliding designs
- Robust needle bearing resists wear

## INTEGRAL MOUNTING

- Four holes on anti-rotate assembly are available for direct mounting or addition of customized options
- 2 dowel pins are located a bottom of anti-rotate unit for accurate positioning

## MULTIPLE MOTOR WINDINGS

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

## 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

## IP65

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

## 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

## FEEDBACK CHOICES

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

## HIGH THRUST BEARING

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

## MANUAL OVERRIDE

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

## ADVANCED SCREW TECHNOLOGY

- Roller screws provide the highest thrust and life ratings available



## OPTIONS

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

