

# SWA & SWB INTEGRATED MOTOR ACTUATOR

## GREASE PORT

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

## 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

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

## 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

## UNIVERSAL MOUNTING

Tapped holes in front face allow for mounting in any orientation... 0°, 90°, 180° or 270°

## ADVANCED SCREW TECHNOLOGY

- Roller screws provide the highest thrust and life ratings available
- SWA: Highest DLR roller screw provides longest life
- SWB: Lower DLR roller screw, provides longer life than ball screws or inverted roller screws



## WATER SLOTS

Allows for water to flow away from thrust rod to prevent ingress into the actuator

## ROBUST BUSHINGS

Supports the thrust tube and nut assembly through entire stroke length

## 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

## IP65

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

## WATER COOLING



- Option that is attached to any side of the actuator
- Allows increased duty cycle and increased jobs/hour

## 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  
WATER COOLING  
REAR TRUNNION MOUNTING