

SWA OVERSIZED THRUST TUBE INTEGRATED MOTOR ACTUATOR

ENDURANCE TECHNOLOGYSM

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

OVERSIZED THRUST TUBE

- For increased rigidity, especially for longer strokes
- 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

GREASE PORT

- 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

LONGER STROKE LENGTH

- Available with longer stroke lengths: 200, 250, 300mm

UNIVERSAL MOUNTING

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

ROBUST BUSHINGS

- Supports the thrust tube and nut assembly through entire stroke length

WATER SLOTS

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

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)

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



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



WATER COOLING

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

OPTIONS

BRAKE

WATER COOLING

REAR TRUNNION MOUNTING

LONGER STROKES (200, 250, 300mm)
[SPECIAL ORDERING CODE 'J']