

Worcester Controls WRG Series Heavy Duty Actuator

Double Acting or Spring Return Scotch Yoke Actuator





WRG Series

Heavy-Duty Scotch Yoke Actuator

The Worcester WRG

Series provides up to 2.2

million in-lbs of heavy-duty

Scotch yoke torque.

Enhanced performance is

achieved by using a

superior yoke support

system that significantly

reduces transverse loads.



Features

- True Modular Design
- On-Off, Multi-Position and Throttling
- Pneumatic, Gas and Hydraulic Models
- Spring Return "Fail Safe" and Double Acting
- Torque Outputs:
 - DA 2.2M in-lbs (248K Nm)
 - SR 1.2M in-lbs (124K Nm)

mounting.

PTFE lined metal reinforced bronze bearings provide superior piston rod support, extending cycle life

Rod Bearings

- Operating Pressures:
 - Pneumatic: 40-150psiHydraulic: 500-3000psi

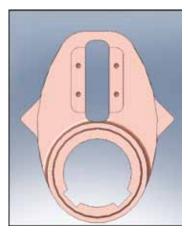
IP67M Ingress Protection O-Rings or dynamic quad seals are utilized to conform to IP67M specifications, ensuring **Modular Construction** optimal ingress protection. The Pressure, Torque and Spring Modules are designed for maximum flexibility, reduced envelope dimensions and weight. **Guide Bands** Optimizes piston support and extends Quad Seal life with protective wiping action. **Piston Seals** Dynamic Quad Seal design provides enhanced cycle life versus conventional O-Rings. Scotch Yoke Symmetrical or canted ductile iron cast yoke. Enclosed yoke slot for increased strength with 2 keyways supporting parallel or perpendicular

Cylinder

Heavy wall cylinders provide increased "job site" durability. Interior surface is honed and hard chrome plated to provide superior corrosion and wear resistance.

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20% higher break torque

Canted Yoke

Features

- Hard Chrome Plated Cylinder Walls
- Symmetrical and Canted Yoke
- Guide Bar Yoke Support
- Dual DD Cylinder Option
- Field Reversible Action
- · Overrides, Line Break and Special Controls
- ESD Performance

Override Options

Spring Module design facilitates field retrofitting of jackscrew or hydraulic overrides

nterchangeable Yoke System

- · Ductile iron casting
- Totally enclosed yoke slot for increased strength and cycle life
- Canted yoke results in approx. 20% higher break torque
- 2 keyway provision for flexibility of parallel or perpendicular mounting

