

VRX VANE ROTARY ACTUATOR

 **ENDURANCE TECHNOLOGY**™



Corrosion Resistant External Components

MAXIMUM DURABILITY

WHAT YOU EXPECT FROM THE PNEUMATIC ACTUATOR LEADER:



Tolomatic offers a complete line of linear motion products. We offer more rodless cylinder styles than any other company. Rod style and vane rotary actuators complement our broad line of rodless pneumatic products.

● INNOVATIVE RODLESS PRODUCTS

Tolomatic created the rodless cylinder industry when we manufactured the original cable cylinder. We continually add innovative products to our portfolio, offering industry leading pneumatic rodless products. For over 50 years, Tolomatic has been recognized as the rodless cylinder market leader. We earn that distinction daily by satisfying customers like you.

● ENDURANCE TECHNOLOGYSM

Every Tolomatic pneumatic product is designed and built with Endurance TechnologySM. Material selection, from seals to finish, and every other design element is optimized for long life and excellent performance. The result is the best value and best performing pneumatic product in the market today. As one customer recently told us, "Your cylinders are built like a tank and run like a deer." Thank you!

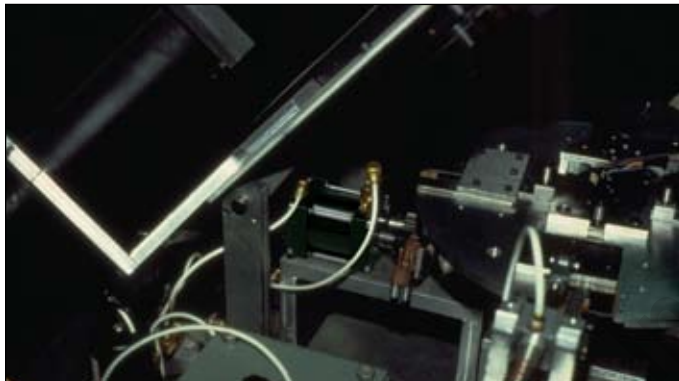
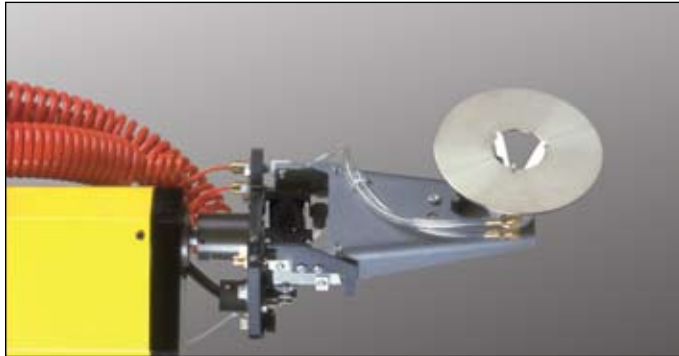
● TRUST YOUR APPLICATION TO THE PNEUMATIC ACTUATOR LEADER

When you want the job done right, go with the experts. Long life. Durability. Ruggedness. Built to your specifications in 5 days or less. Turn to Tolomatic for you motion needs.

Be sure to visit www.tolomatic.com for up-to-date product specifications, free sizing and selection software, and 3D CAD solid files.

APPLICATIONS

With over 50 years of proven application experience, Tolomatic pneumatic products are key components in the following industries and applications:



INDUSTRY INSTALLATIONS

- Packaging
- Automotive
- Food and Beverage
- Material Handling & Conveying
- Plastic Injection Molding
- Metal Processing
- Paper and Textiles
- Medical
- Electronics
- Printing
- Many others

APPLICATIONS

- Material Handling
- Part Transfer
- Parts Feeding
- Pick and Place
- Cutting
- Shutter Motion
- Part Clamping
- Many others

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VRX VANE ROTARY ACTUATOR

ENDURANCE TECHNOLOGYSM

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

CR

CORROSION RESISTANT

- All exterior components are either stainless steel or anodized aluminum for corrosion resistance

SHAFT BEARING

- High load capacity radial ball bearing for precision motion throughout actuator life

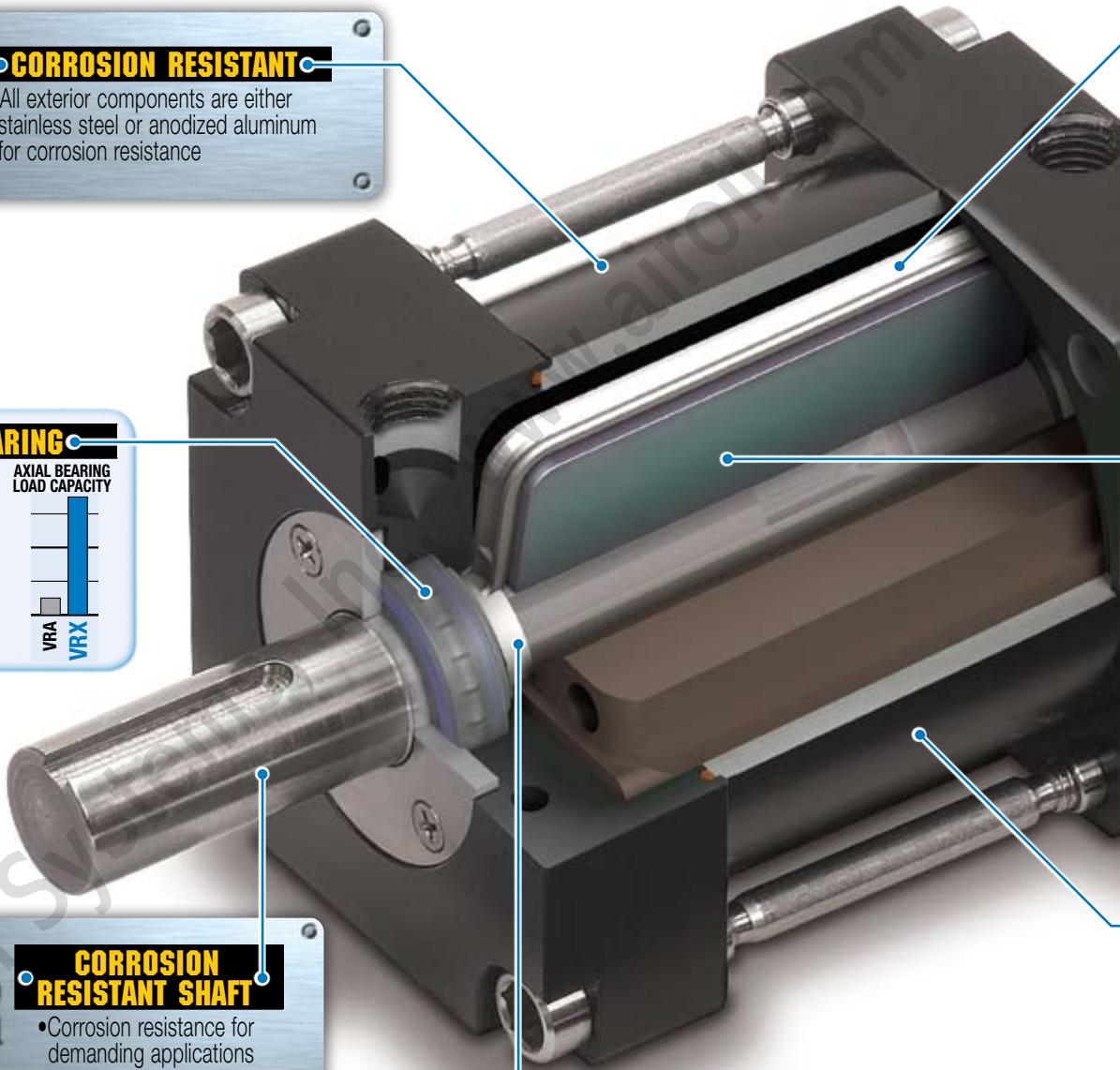
AXIAL BEARING LOAD CAPACITY

Model	Axial Bearing Load Capacity
VRA	Low
VRX	High

CR

CORROSION RESISTANT SHAFT

- Corrosion resistance for demanding applications



HSN SHAFT SEAL

- Highly saturated nitrile, self-lubricated seal
- Multiple lobe construction for leak-free operation and greater reliability

VRX

MODEL SIZES

1825
1817
1810

MAXIMUM
TORQUE: 484 in-lbs
ROTATION: 280°

COMPLETE INFORMATION:
www.tolomatic.com



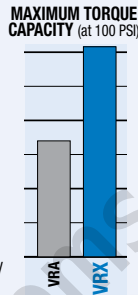
TOLOMATIC... MAXIMUM DURABILITY

HIGHLY SATURATED NITRILE

- Self-lubricated HSN (Highly Saturated Nitrile) seal material provides 3-5X service life of Buna-N
- High strength compound provides superior wear resistance

HIGH TORQUE VANES

- Large vanes provide significantly higher torque density than competitive models
- Stamped steel vane is permanently bonded to machined grooves on shaft
- Double lip vane seal molded directly onto rotor provides a tight seal with low breakaway



ANODIZED ALUMINUM

- Body and machined heads are anodized to ensure long seal life and low breakaway pressure

FLEXIBLE MOUNTING

- Compatible with legacy Tolomatic vane rotary actuators (VRA)
- New direct mounting often replaces the need for optional front flange in new installations

ONE MOVING PART

- Zero backlash
- Smooth rotation
- Precise repeatability
- Continuous full torque throughout rotation

OPTIONS



SINGLE OR DUAL VANES

- 280° or 100° rotation



SINGLE OR DUAL SHAFTS

- Additional output option



ADJUSTABLE STOP

- For rotational stops between 0° to 280°
- Available for 17 and 25 sizes only



FRONT FLANGE MOUNT

- Additional mounting option
- Drop in replacement for legacy Tolomatic vane rotary actuators (VRA)

