

# N INTERNAL BEARING

## ENDURANCE TECHNOLOGY™

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

The MXP-N pneumatic rodless cylinder is exactly what you expect from the industry's number one rodless supplier. Featuring durable stainless steel bands, permanently lubricated internal bearing and low breakaway pressure the MXP-N is a low cost solution for applications with limited load and bending moment requirements. Built-to-order in stroke lengths up to 206 inches.

### STAINLESS STEEL BANDS

- Both interior sealing band and exterior dust band made of fatigue resistant stainless steel



STAINLESS STEEL IS DURABLE, FLEXIBLE AND CORROSION RESISTANT

- Does not stretch like bands made of rubber or polymer materials
- Stainless steel sealing bands resist blow out during pressure spikes that may occur during high velocity cushioning

### INTERNAL BEARINGS

- Design maximizes piston bearing surface area for less pressure on bearing surfaces, less pressure results in less wear
- Permanent lubrication for low friction and extended bearing life
- Internal location provides protection from external contaminants, extending life

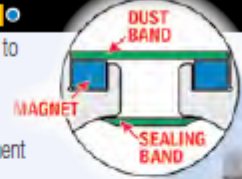


### DUST WIPER

- Formed end cap and side dust wipers keep contaminants from entering the cylinder's internal area

### NON-WEAR BAND RETENTION

- Magnetically retained bands are not subject to wear as are mechanically retained systems
- Immediate band engagement and release results in less drag on piston for lower breakaway force during initial carrier movement



### ADJUSTABLE CUSHIONS

- Easy screw adjustment for smooth deceleration protecting actuator from high stress at end-of-stroke
- Adjustable cushions with retained stainless steel needle screw for increased safety

NOTE: Boxed letters indicate ordering codes

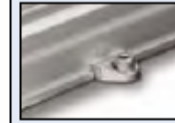
## OPTIONS



- AUXILIARY CARRIER** **D** **W**
- 2X higher Fz (load) capacity
  - High bending moment capacity



- FLOATING MOUNT** **F** **L**
- Compensates for non-parallelism between MXP band cylinder and externally guided load



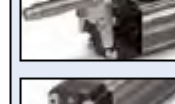
- TUBE CLAMPS** **T** **C**
- Used for intermediate support
  - Flush with bottom of actuator to retain low profile
  - Drop-in, adjustable mounting locations



- FOOT MOUNTS** **F** **M**
- For end mounting of MXP band cylinder
  - Use to bottom or side mount actuator



- SHOCK ABSORBERS** **A** **L** **S** **L** **A** **H** **S** **H**
- Allows increased operating speed and load
  - Self-compensates for load or speed changes
  - Minimizes impact load to equipment
  - Fixed or adjustable position shocks



- SINGLE-END PORTING** **S**
- Convenient single-end air connection (not available on MXP16)



- SWITCHES**
- Wide variety of sensing choices: Reed, Solid State PNP or NPN, all available normally open or normally closed
  - Flush mount, drop-in installation, anytime
  - Bright LEDs, power & signal indication
  - CE rated, RoHS compliant

### HIGH STRENGTH PISTON

- Single piece extrusion for piston bracket and carrier reduces failure points
- Piston bracket neck cross-sectional area is up to 28% greater than competitive designs, providing increased durability



### INTERNAL MAGNETS

- Standard feature that allows sensor installation on left, right or bottom of the extrusion

### POSITIVE POSITION SEALS

- Sturdy U-cup base section assures positive positioning of seal lip for better sealing and less seal wear
- Made of custom formulated poly-urethane for pliable, wear resistant seal lip

### RETAINED DUST BAND

- Retained dust band keeps contaminants from entering the cylinder interior, protecting components for reduced maintenance and increased uptime

### PORTING CHOICES

- 4-ported heads are standard to allow air connections on sides, end or bottom
- Single-end porting allows convenient one end air connection
- NPT, Metric Parallel (ISO-G/BSP) & Metric Taper (Rc/BST) available on both metric and inch (US standard) mount actuators

### DIRECT MOUNT

- Head bolts are tapped for direct mounting

### INCH OR METRIC MOUNTING

- Your choice of inch (US standard) or metric fasteners for carrier and head bolt mounting

25mm PISTON BRACKET MINIMUM CROSS-SECTIONAL AREA (mm<sup>2</sup>)

