SOLID BEARING

ENDURANCE TECHNOLOGY

A Tolomatic Design Principle

Endurance Technology features are provide extended service life.

designed for maximum durability to

STAINLESS STEEL BANDS

- Both interior sealing band and exterior dust band made of fatigue resistant stainless steel
- Does not stretch like bands made of rubber or polymer materials

RETAINED DUST BAND

entering the cylinder interior, protecting components

Retained dust band keeps contaminants from

for reduced maintenance and increased uptime

DIRECT MOUNT

INCH OR METRIC

MOUNTING

Your choice of inch (US standard)

or metric fasteners for carrier and

head bolt mounting

Head bolts are tapped

for direct mounting

 Stainless steel sealing bands resist blow out during pressure spikes that may occur during high velocity cushioning



POSITIVE POSITION SEALS

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



INTERNAL **MAGNETS**

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

Tolomatic ... MAXIMUM DURABILITY

LARGE FLEXIBLE

MOUNTING PATTERN

Carrier gives more load stability

Compatibility with existing BC2

More fastening options

applications

NON-BINDING BEARING ARMS

TRAPEZOIDAL BEARINGS

Load Case: 1 of 1 Maximum Value: 157.724 (of)(n*2) Minimum Value: 0:0139971 (of)(n*2)

Bearings are tensioned

indirectly, providing bind

free adjustment

Trapezoidal design

maximizes bearing

surface area for less

pressure on bearing

results in less wear

Engineered bearing

operation

service life

Bearings are field

surfaces; less pressure

material has low static

and dynamic friction

with low wear properties

replaceable for extended

for long lasting, smooth

ADJUSTABLE CUSHIONS

 Easy screw adjustment for smooth deceleration protecting actuator from high stress at end-of-stroke

DUST WIPER

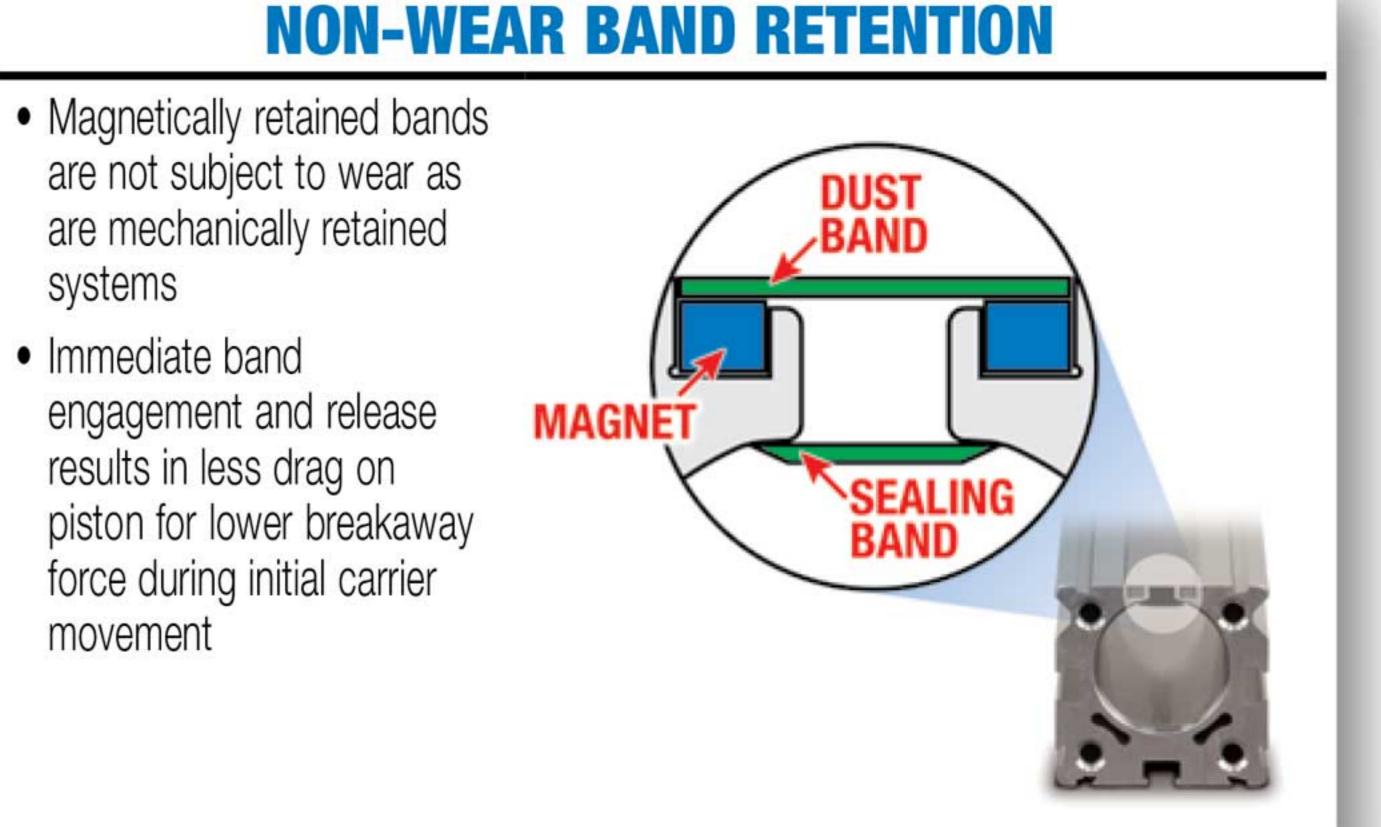
Formed end cap and

side dust wipers keep

contaminants from entering

the cylinder's internal area

 Adjustable cushions with retained stainless steel needle screw for increased safety



NOTE: Boxed Letters indicate ordering codes

OPTIONS

systems

Immediate band

movement

results in less drag on



AUXILIARY CARRIER DW

- 2X higher Fz (load) capacity
- High bending moment capacity



FLOATING MOUNT FL

 Compensates for non-parallelism between MXP band cylinder and externally guided load



TUBE CLAMPS IC

- 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 AL SL

- AHSH 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

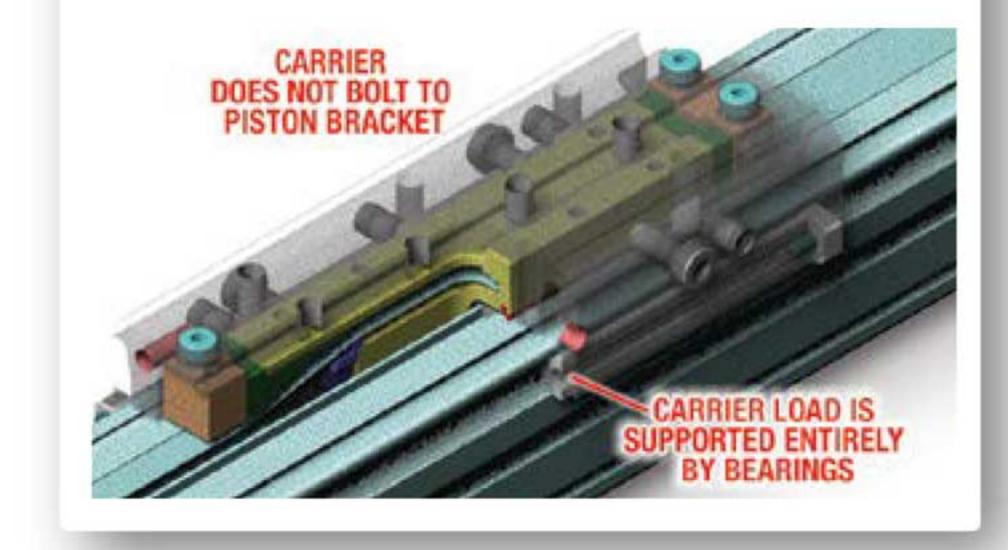
 Convenient single-end air connection (not available on MXP16)



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

- deflected under load
- Piston bracket and carrier feature single piece extrusions, reducing failure points



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

ISOLATED PISTON

- Unique design isolates the piston from the applied load, extending the service life of the piston seals
- Piston remains isolated even when the carrier is