BC3 BAND CYLINDER

ENDURANCE TECHNOLOGY SM

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

A Tolomatic Design Principle

The BC3 is the most capable pneumatic rodless cylinder in the industry today. Featuring durable stainless steel bands, a reliable recirculating ball bearing design and smooth, low breakaway pressure the BC3 is a great solution for applications with high load and bending moment requirements. Built-to-order in stroke lengths up to 205 inches.

FORMED END CAP WIPER SEAL

- Keeps contaminants from entering the sealing area
- Protects internal components
- Reduces maintenance while increasing productivity

- All bearing components covered by seal strip
- Bearing components are sealed and lubricated at the factory

SEALED BALL BEARING SYSTEM

Assures maximum resistance to contamination

TOLOMATIC...THE RODLESS CYLINDER LEADER

LOAD-BEARING CARRIER DESIGN

- Load and piston are independent piston floats, resulting in less friction and longer seal life
- Recirculating ball bearing system guides and supports load for consistent long term performance
- Constant level of friction is maintained even when load orientation changes

ADJUSTABLE CUSHIONS

- Adjustable cushions are standard, not optional
- Easy screw adjustment for endof-stroke deceleration
- Protects actuator and load from damage

PATENTED WEDGE BEARING SYSTEM

- Bearing surfaces adjusted at the factory for optimum pre-load
- Bearing surfaces adjusted by and supported by a steel wedge assuring long term stability



OPTIONS

AUXILIARY CARRIER

- Substantially higher load capacity
- Substantially higher bending moment capacity



DUAL 180° CARRIER

- Substantially higher load capacity
- Substantially higher bending moment capacity



AUXILIARY DUAL 180°

- Highest load capacity
- Highest bending moment capacity



TUBE SUPPORT MOUNTS

Used for intermediate support



FOOT MOUNTS

For end mounting of band cylinder



SHOCK ABSORBERS

- Smooth deceleration, higher productivity
- Allows increased operating speed
- Self-compensates for load or speed changes
- Minimizes impact load to equipment
- Adjustable position shocks available



SWITCHES Available in Bood

- Available in Reed, Hall-effect and Triac
- 15ft. cable with flying leads; available with quickdisconnect couplers



STAINLESS STEEL SEALING BAND SYSTEM

- Fatigue resistant stainless steel bands are specifically made to provide longer life and will not elongate, like elastomers
- Outer band keeps out contaminants for extended performance
- Inner band provides a smooth surface for less seal wear

FORMED STEEL PISTON BRACKET

- Provides maximum strength at major stress points
- Heat treated carbon steel withstands the toughest dynamic forces
- Strongest bracket design in the industry assures long life with less maintenance

