

BC4 BAND CYLINDER

TOLOMATIC... THE RODLESS CYLINDER LEADER

ENDURANCE TECHNOLOGYSM

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

The BC4 was designed in response to customer requests for a basic rodless cylinder for use in applications that have guidance and support for the load. The BC4 features durable stainless steel bands, field replaceable engineered bearings and a large carrier mounting pattern. Built-to-order in stroke lengths up to 206 inches.

LOAD-SUPPORTING BEARING DESIGN

- Self-lubricating bearing runs the length of carrier web for maximum bearing surface, this patented floating bearing system provides smooth movement and maximum transverse load resistance
- Durable, engineered resin piston has 50% greater bearing area
- Thicker and longer web has 60% greater material for increased robustness
- Maximum bearing life for millions of cycles



ADJUSTABLE CUSHIONS

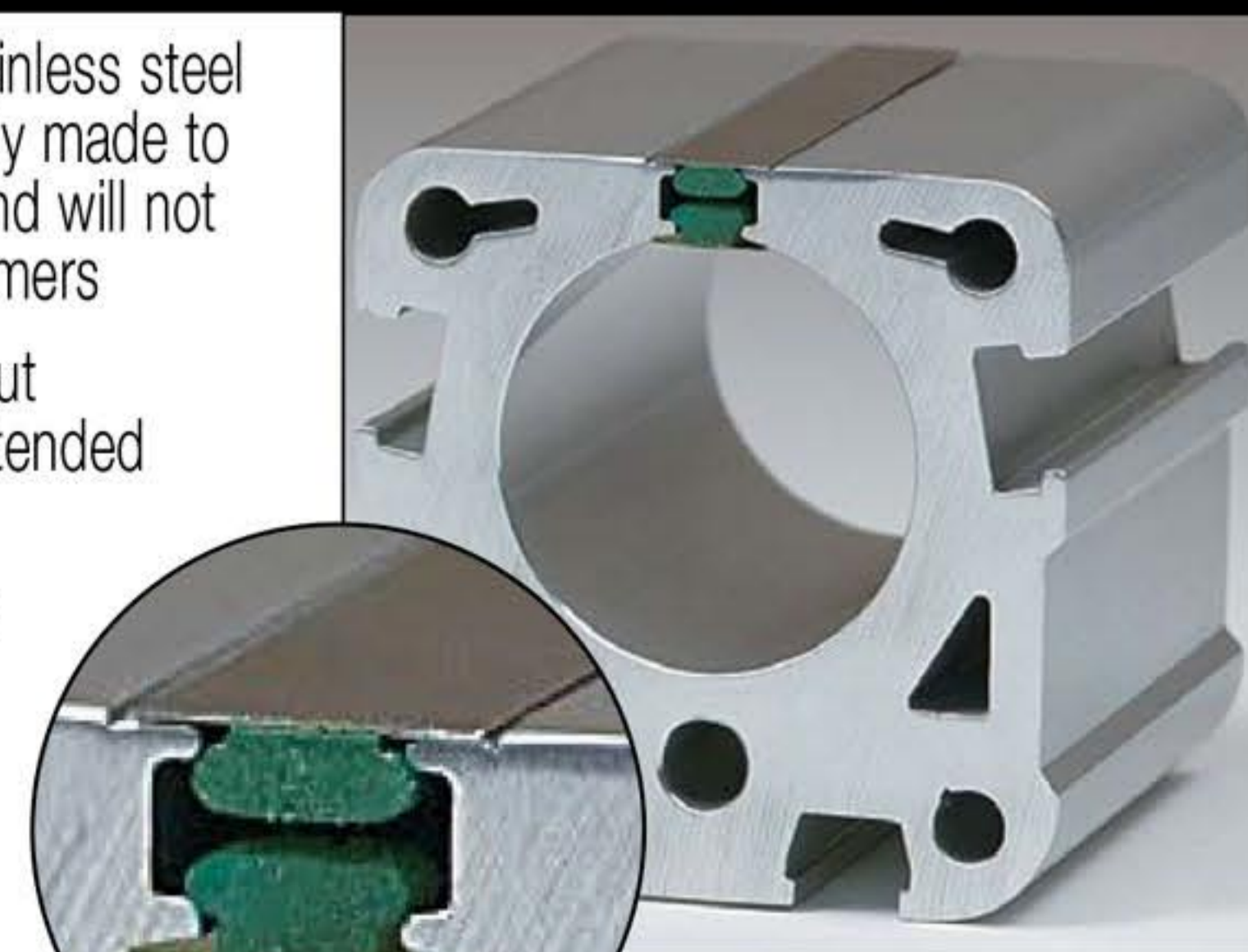
- Adjustable cushions are standard, not optional
- Easy screw adjustment for end-of-stroke deceleration
- Protects actuator and load from damage

RIGID CLEAR-ANODIZED EXTRUDED ALUMINUM TUBE

- Stronger, stiffer tube retains tolerance specifications when chamber is pressurized
- Keeps sealing band in place for maximized air efficiency
- Tube supports are minimized
- Solid structural support provides durability and long life performance

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 END CAP WIPER SEAL

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

OPTIONS



AUXILIARY CARRIER

- Substantially higher load capacity
- Substantially higher bending moment capacity



LONG CARRIER

- Substantially higher My and Mz bending moment capacity
- Larger load bearing mounting surface



FLOATING MOUNT

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



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



SINGLE END PORTING

- Simplifies air connections



SWITCHES

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