# LS - LINEAR SLIDE

## ENDURANCE TECHNOLOGY SM

A Tolomatic Design Principle

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

**FORMED END** 

**CAP WIPER SEAL** 

Keeps contaminants from

entering the sealing area

Reduces maintenance while

increasing productivity

Protects internal

components

Adapted from the popular BC2, the Linear Slide features 2 precision steel guide rods integrated with the extrusion to provide positive support of the load. This makes the Linear Slide more rugged and capable with greater load capacity and higher bending moments. Built-to-order in stroke lengths up to 110 inches (2,744mmm).

## STAINLESS STEEL SEALING BAND SYSTEM

- Fatigue resistant stainless steel bands are specifically made to offer 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

#### LOW CARRIER HEIGHT

- Reduces overall actuator envelope
- Large mounting area for high load stability
- T-Slots for mounting flexibility

# RIGID BLACK- ANODIZED EXTRUDED ALUMINUM TUBE

- Stronger, stiffer tube retains tolerance specs 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

#### STROKE ADJUSTMENT

- End of stroke
- Integrated into design

#### **3-PORTED HEADS**

- Single End Porting
- Standard feature
- Simplifies air connections

#### LOAD-BEARING CARRIER DESIGN

STEEL GUIDE RODS

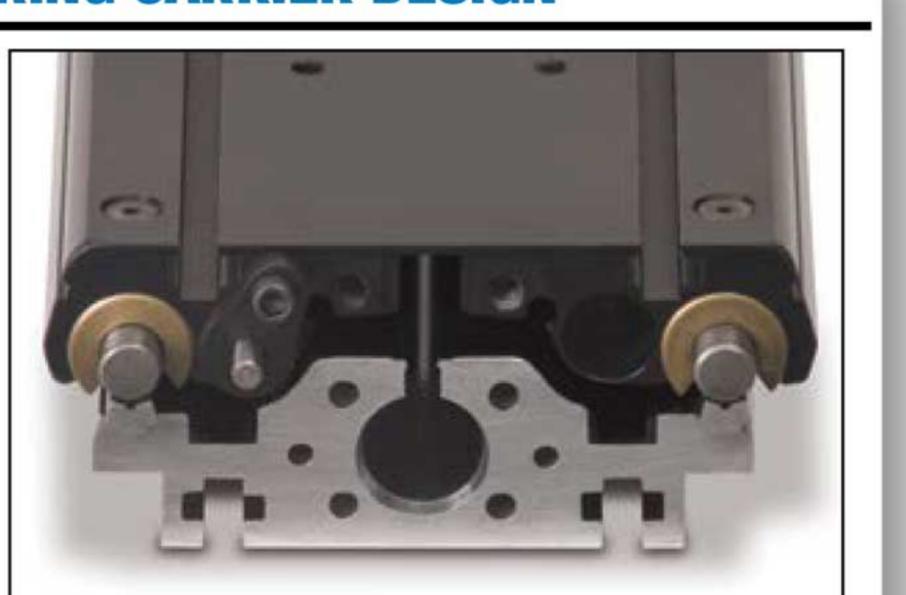
Two precision ground

integrated with extrusion

provides positive support

steel guide rods

- Load and piston are independent
  piston floats, resulting in less friction and longer seal life
- Bearings offer consistently low friction and long wear; 1/2" bore features composite bearings, 1" bore features precision linear ball bearings



## **OPTIONS**

TOLOMATIC...THE RODLESS CYLINDER LEADER

**RETAINED DUST BAND** 

Retained dust band keeps contaminants

from entering the cylinder interior, protecting

components for reduced maintenance and

increased uptime



## AUXILIARY CARRIER DW DO

NOTE: Boxed letters \_\_\_\_

indicate ordering codes

- Substantially higher load capacity
- Substantially higher bending moment capacity



## SUPPORTS MP

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



### T-NUTS

 Used for intermediate support, combine with Tube Supports or mount directly to surface



## SHOCK ABSORBERS SIL SIH

- Smooth deceleration
- Allows increased operating speed
- Self-compensates for load or speed changes
- Minimizes impact load to equipment
- Higher equipment productivity
- Integrated to carrier design



## **SWITCHES**

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

## 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

