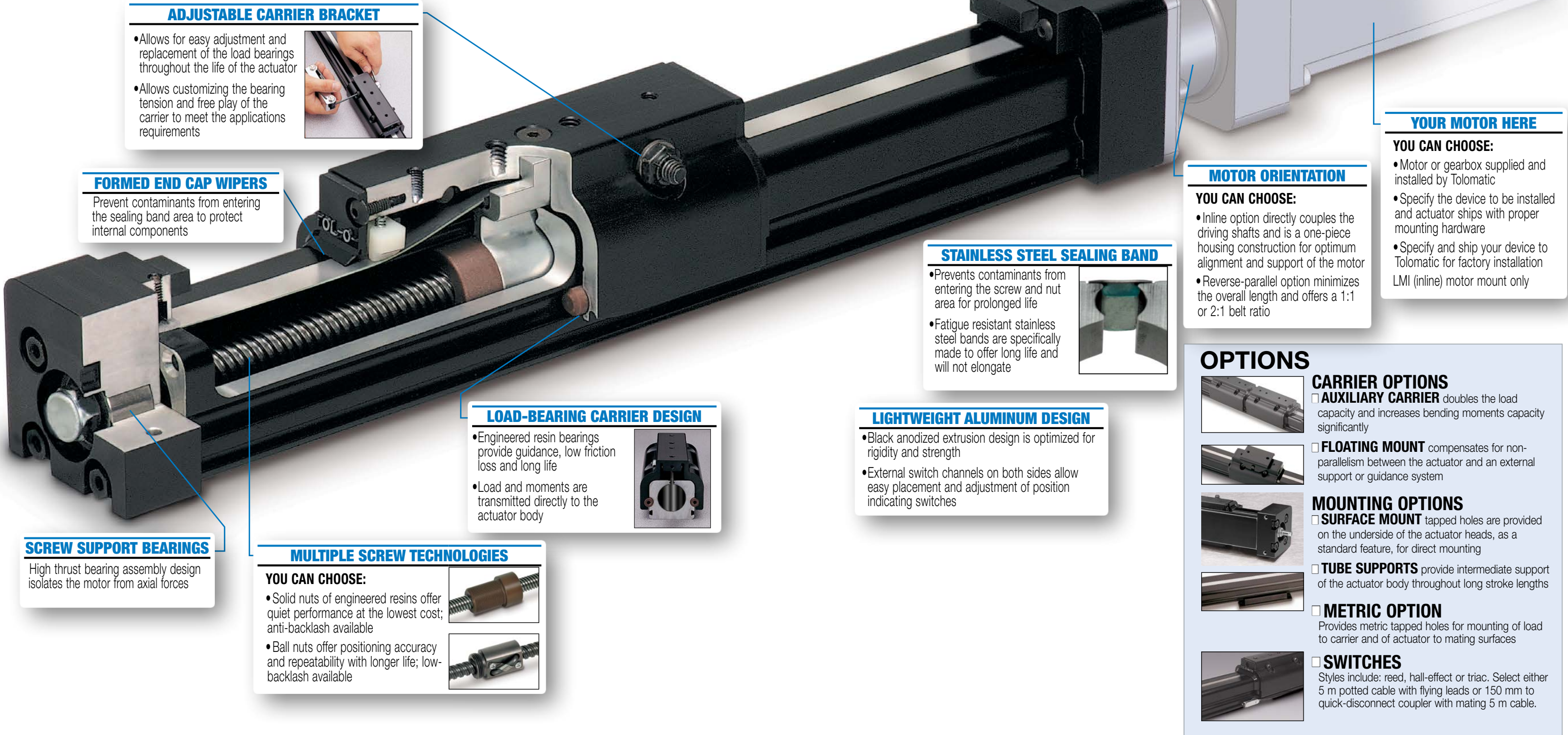


BCS RODLESS SCREW DRIVE ACTUATORS

ENDURANCE TECHNOLOGYSM *Endurance Technology features are designed for maximum durability to provide extended service life.*
A Tolomatic Design Principle

This rodless style actuator is designed for carrying light to moderate loads at an economical price. Based upon our BC2 pneumatic band cylinder, it utilizes a guidance system consisting of an adjustable carrier bracket with two solid bearing rods that transmit the load to the actuator body for superior load support. Built-to-order in stroke lengths up to 3 m [120 inches] with multiple screw options available.

TOLOMATIC... LINEAR SOLUTIONS MADE EASY



ADJUSTABLE CARRIER BRACKET

- Allows for easy adjustment and replacement of the load bearings throughout the life of the actuator
- Allows customizing the bearing tension and free play of the carrier to meet the applications requirements

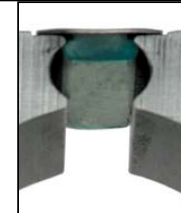


FORMED END CAP WIPERS

Prevent contaminants from entering the sealing band area to protect internal components

STAINLESS STEEL SEALING BAND

- Prevents contaminants from entering the screw and nut area for prolonged life
- Fatigue resistant stainless steel bands are specifically made to offer long life and will not elongate



EXTERNAL BUMPERS

Bumpers protect the screw and nut assembly from damage at end of stroke

YOUR MOTOR HERE

YOU CAN CHOOSE:

- Motor or gearbox supplied and installed by Tolomatic
- Specify the device to be installed and actuator ships with proper mounting hardware
- Specify and ship your device to Tolomatic for factory installation
LMI (inline) motor mount only

MOTOR ORIENTATION

YOU CAN CHOOSE:

- Inline option directly couples the driving shafts and is a one-piece housing construction for optimum alignment and support of the motor
- Reverse-parallel option minimizes the overall length and offers a 1:1 or 2:1 belt ratio

LOAD-BEARING CARRIER DESIGN

- Engineered resin bearings provide guidance, low friction loss and long life
- Load and moments are transmitted directly to the actuator body



LIGHTWEIGHT ALUMINUM DESIGN

- Black anodized extrusion design is optimized for rigidity and strength
- External switch channels on both sides allow easy placement and adjustment of position indicating switches

SCREW SUPPORT BEARINGS

High thrust bearing assembly design isolates the motor from axial forces

MULTIPLE SCREW TECHNOLOGIES

YOU CAN CHOOSE:

- Solid nuts of engineered resins offer quiet performance at the lowest cost; anti-backlash available
- Ball nuts offer positioning accuracy and repeatability with longer life; low-backlash available



OPTIONS

CARRIER OPTIONS

AUXILIARY CARRIER doubles the load capacity and increases bending moments capacity significantly

FLOATING MOUNT compensates for non-parallelism between the actuator and an external support or guidance system

MOUNTING OPTIONS

SURFACE MOUNT tapped holes are provided on the underside of the actuator heads, as a standard feature, for direct mounting

TUBE SUPPORTS provide intermediate support of the actuator body throughout long stroke lengths

METRIC OPTION

Provides metric tapped holes for mounting of load to carrier and of actuator to mating surfaces

SWITCHES

Styles include: reed, hall-effect or triac. Select either 5 m potted cable with flying leads or 150 mm to quick-disconnect coupler with mating 5 m cable.

