

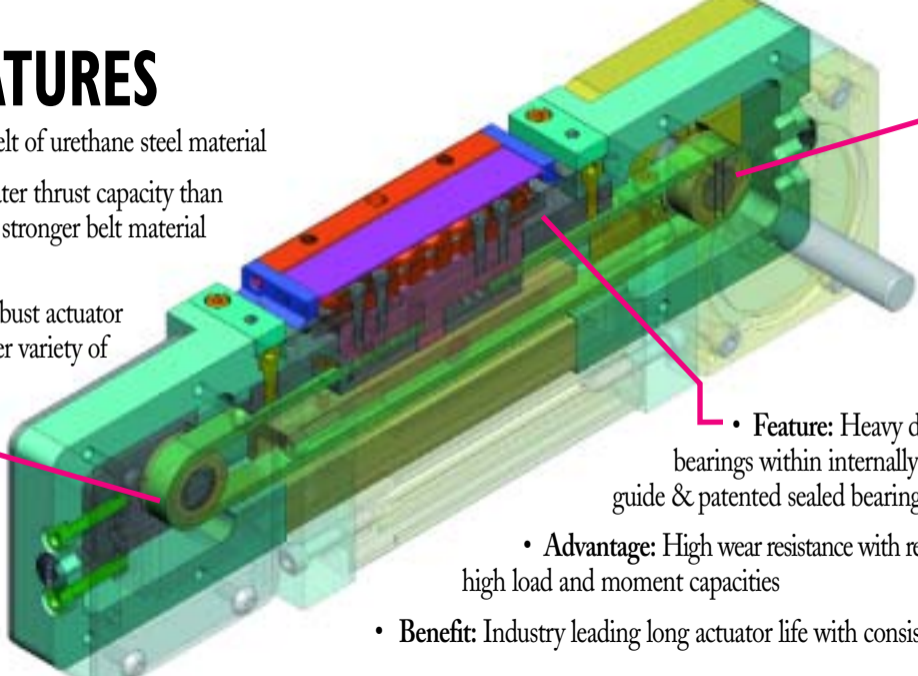
# INTRODUCING THE B3W BELT DRIVE ACTUATOR

**Axi**  
*dyne*<sup>®</sup> BY TOL-O-MATIC



# B3W FEATURES

- **Feature:** Wide belt of urethane steel material
- **Advantage:** Greater thrust capacity than previous designs, stronger belt material with no stretch
- **Benefit:** More robust actuator for use in a greater variety of applications



- **Feature:** Large bearings at both drive and idle pulleys
- **Advantage:** Higher load ratings than previous designs
- **Benefit:** Higher capacity and longer life

- **Feature:** Heavy duty recirculating bearings within internally supported steel rail guide & patented sealed bearing system

- **Advantage:** High wear resistance with repeatable accuracy, high load and moment capacities

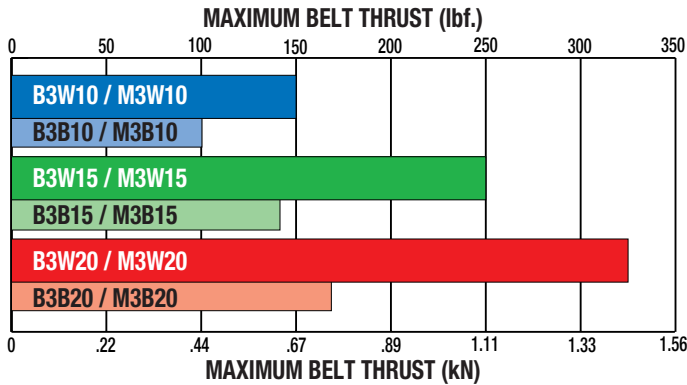
- **Benefit:** Industry leading long actuator life with consistent tracking for entire actuator life



# B3W ADVANTAGES



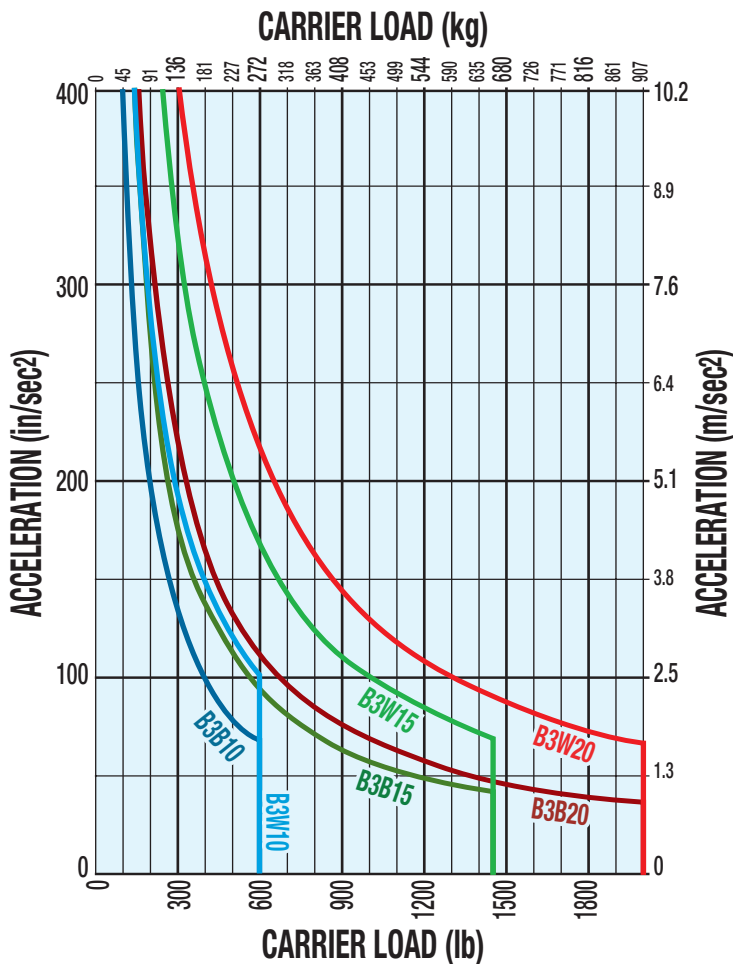
## UP TO 96% GREATER THRUST



## GREATER SPEED & ACCELERATION

### B3B vs B3W

### MAX. ACCELERATION AS A FUNCTION OF LOAD WEIGHT



**⚠** Total load on belt not to exceed: B3W10 — 150 lbf (0.67 kN)  
 B3W15 — 250 lbf (1.11 kN)  
 B3W20 — 325 lbf (1.45 kN)

## THE BEST NEWS - SAME LOW PRICE

- B3W10 equal in price to B3B10 (50% greater belt thrust)
- B3W15 equal in price to B3B15 (80% greater belt thrust)
- B3W20 is priced slightly more than B3B20 (96% greater belt thrust)

## DROP IN REPLACEMENT FOR B3B

- B3W carrier dimensions and mounting is equal to B3B of the comparable size
- Dead length of the B3W is less than that of B3B of the comparable size
- Due to higher rated thrusts a B3W10 may be able to replace a B3B15 in many applications, similarly a B3W15 may be able to replace a B3B20. The B3W20 thrust and speed performance opens up many new high performance applications.

## CARRIER, BENDING MOMENTS AND OPTIONS LIKE ALL B3 ACTUATORS

### BEARING SYSTEM



- Heavy duty recirculating bearings within internally supported steel rail guide
- High wear resistance with repeatable accuracy
- Patented\* sealed bearing system – for long life
- High load and moment capacities \* U.S. Patent No. 5,555,789
- Consistent tracking for full actuator life

### OPTIONS



Tube Supports



Mounting Plates



Switches



Auxiliary Carrier



Dual 180° Carrier



Auxiliary Dual 180° Carrier



Motor Mounting, Direct Drive



Motor Mounting, Reduction Drive



Gearheads



- B3W 3D models available at [www.tolomatic.com](http://www.tolomatic.com)
- B3W included in updated Sizing and Selection Software. Download from [www.tolomatic.com](http://www.tolomatic.com) today.
- Brochure #3600-4148 with detailed B3W information mailing in September.

- B3W max. rated speed 200 in./sec. (B3B max. rated speed 100 in./sec.)
- B3W max. rated acceleration 1200 in./sec.<sup>2</sup> (B3B max. rated acceleration 400 in./sec.<sup>2</sup>)



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