

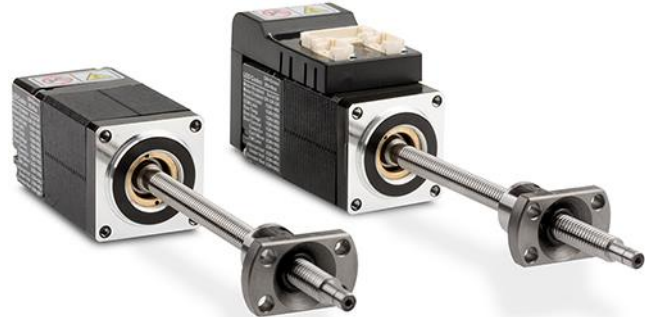
TBSM11 Linear Actuator

Preliminary Datasheet



Description

The TBSM11 Linear Actuator is built upon a standard TSM11 StepSERVO™ Integrated Motor. The shaft of the standard motor has been replaced with a ball screw shaft and nut assembly to create an integrated external linear actuator. Replacing the motor shaft with a ball screw eliminates the need for couplings used on other designs and creates a space-saving solution. The result is a linear actuator that provides closed loop positioning performance in a small footprint.



Benefits

TBSM11 linear actuators feature all the performance benefits of standard TSM11 integrated motors, including the following:

- Peak torques up to 50% higher than holding torque. This means greater peak force than conventional step motor-based linear actuators.
- Greater acceleration rates, shorter move times, and higher throughput than conventional step motor-based linear actuators.
- Quiet, high efficiency operation due to closed loop operation. TSM motors run cooler than conventional step motors.
- High efficiency, low backlash ball screw available in a range of leads and stroke lengths. Lead screw options also available.

Details

The details below are for the specific TBSM11 linear actuator shown on the back of this preliminary datasheet. A range of ball screw and lead screw options are available. For all inquiries contact your sales rep or contact Applied Motion Products directly at applied-motion.com/contact.

Product Name	TBSM11 Linear Actuator
Part No.	TSM11Q-2RM-002
Description	TSM11 StepSERVO™ Integrated Motor with integral ball screw shaft and external nut assembly
Motor-only specifications	See website: applied-motion.com/products/stepservo-integrated-motors/tsm11q-2rm
Ball screw diameter	6 mm
Ball screw lead	1 mm
Max. permissible force	98 N (22 lbf)
Max. permissible speed	5 mm/sec
List Price	\$715.00. Quantity discounts available. Contact your sales rep or Applied Motion Products.

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