



Haydon Switch & Instrument, Inc.

A Tritex Corporation Company

1500 Meriden Road, Waterbury, CT 06705

203-756-7441, 800-243-2715, fax – 203-756-8724

email – info@hsi-inc.com, www.hsi-inc.com

News Release

Date: March 24, 2005

Release Date: Immediately

Contact: Marcia Colucci (media only)

Subject: Size 8 Non-Captive



New Size 8 Non-Captive Linear Actuator

Haydon Switch & Instrument, Inc. is pleased to introduce a Size 8 non-captive linear actuator, the latest addition to its growing hybrid motor line. Equipment designers and engineers now have an even more compact option for their linear motion applications. The new size 8 linear actuator occupies a minimal 0.8" (21 mm) space and includes numerous patent pending

innovations that provide customers high performance and endurance in a very small package. In fact, HSI's new size 8 is by far the smallest commercially available hybrid linear actuator on the market today.

In the non-captive linear actuator design, the lead screw runs axially through the center of the motor and must be restrained from rotating for proper operation. This is normally accomplished by attaching the screw to a non-rotating member of the mechanical assembly. As the internal threaded rotor rotates the lead screw will move axially but will not rotate. This design is especially suited for long linear travel requirements and applications where the lead screw is secured at both ends and the motor translates along the lead screw. When incorporating the latter approach, the motor must be prevented from rotating.

This non-captive hybrid linear actuator is available in a wide variety of resolutions ranging from 0.0015mm to 0.04mm per step and delivers thrusts of up to 10 lbs. (4.5 Kg) without compromising long life or cost. Built for long life (several million cycles) and superior performance, the size 8 linear actuator features engineering thermoplastics in the rotor drive nut and a stainless steel Acme lead screw, which have made the HSI products so popular. With this patented design, quiet and maintenance free operation are ensured.

Applications requiring precise positioning and rapid motion are best suited for this motor. Typical applications include medical equipment, X-Y Tables, automation of any kind, valve control and many more. This product is priced aggressively for incorporation into your next project. In addition to standard configurations, HSI can custom design this motor to meet your specific application requirements.