

H25-SL Specification Sheet

SHEET # 940-2T221

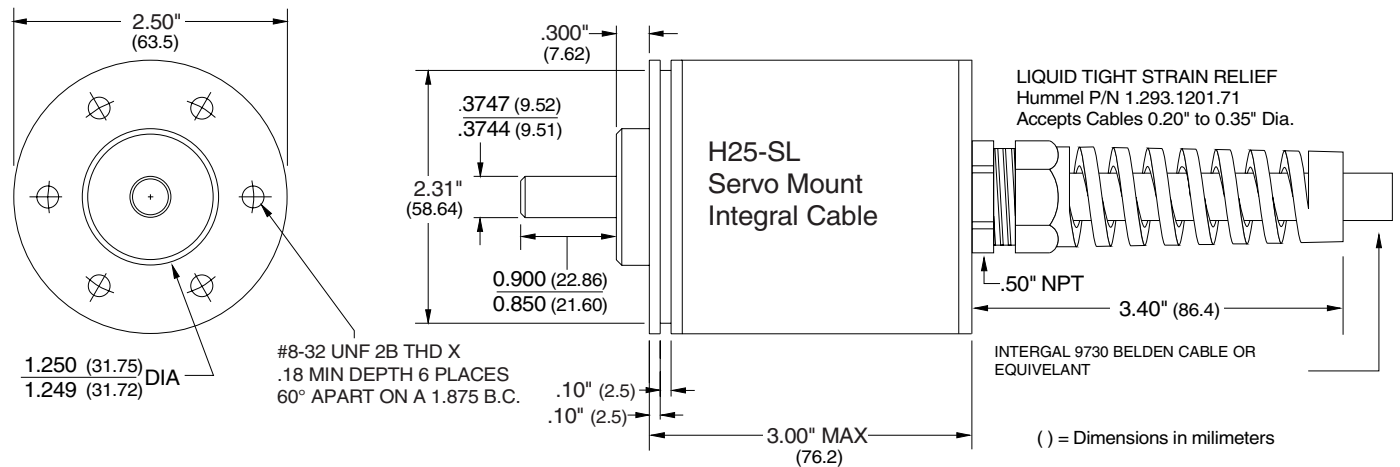
DESCRIPTION

Mechanically connected to the shaft of the controlled machine, the transducer is subjected to severe conditions such as mechanical shock, vibration, and exposure to contaminants such as coolants and solvents. Reliable operation in this extreme environment was the chief consideration when designing the H25-SL Brushless Resolver Transducer.

Reliability begins with a 3/8" shaft and an oversized double row sealed bearing. Outside connections to the resolver are made through a 15 foot cable secured to the transducer with a liquid tight strain relief. Finally, these components are enclosed in a sturdy aluminum body.

The H25-SL contains components that will not degrade in performance or fail when exposed to sudden changes in environmental conditions. Also, with the resolver being a ratiometric device, any absolute variations in the output of the H25-SL due to aging or changing in voltage, frequency or temperature are ignored. Coupled with the fact that the H25-SL easily interfaces to ACMI controllers with an inexpensive six wire cable, the H25-SL should be your first choice as an accurate and reliable position transducer.

DIMENSIONAL DRAWING



SPECIFICATIONS

MECHANICAL

Shaft Loading: Radial: 40 lbs. max.
 Axial: 20 lbs. max.

Starting Torque: 1.5 oz.in. @ 25°C
 Moment of Inertia: 4 oz-in-sec² max.
 Weight: 1 lb

ENVIRONMENTAL

Shock: 50 g's for 11 mSec
 Vibration: 5 to 2000 Hz @ 20G's
 Operating Temp: -20 to 125°C
 Enclosure: NEMA 4

SAMPLE INSTALLATION

The picture below shows the pinout of the intergal cable which connects to your AMCI Controller following published cable prints.

Note that the shields of the cable must not be connected to chassis ground except at the AMCI Controller.

