

LSN100 & LSN150 Stages

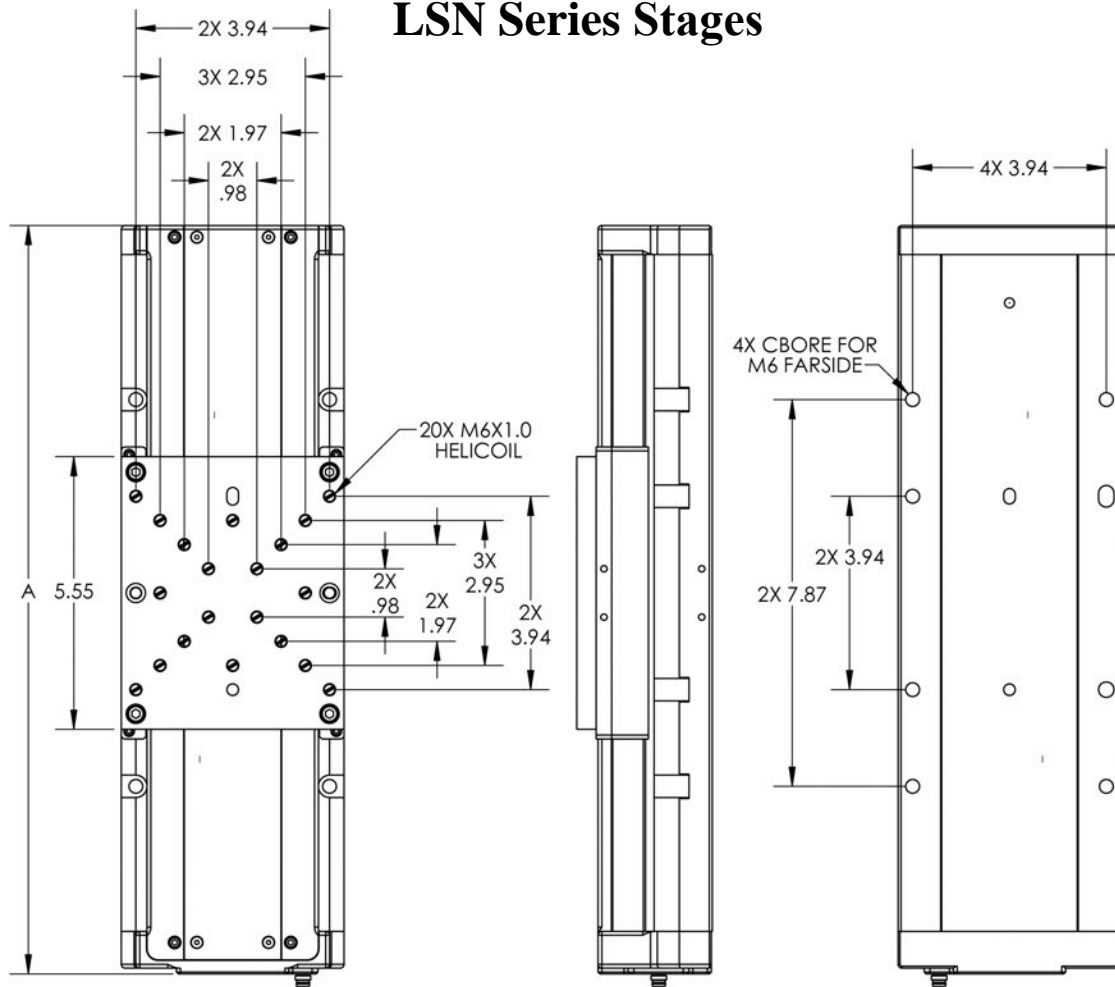


LSN150 XY Stack

Similar in construction to our LS family of stages, the LSN100 (100mm travel) and LSN150 (150mm travel) were developed to support a couple of our customers who were looking for drop-in replacement stages for previously designed tools. Features include a narrow profile (115mm wide), covered vertical side slots to prevent debris from entering the stage body, a two piece top plate for easy access to the drive screw for maintenance, and a 5mm ball screw drive capable of handling accelerations exceeding 1g (load dependant). Both horizontal and vertical straightness and flatness of travel are better than $\pm 2.0\mu\text{m}$ per travel. Optical limit and home switches are included (5V or 24V). Both metric and NEMA motor flanges can be supported.

Specifications		
Travel (mm)	100	150
Straightness of Travel (μm)	± 2.0	± 2.0
Flatness of Travel (μm)	± 2.0	± 2.0
Load Capacity (Kg)	40	40
Stage Weight (Kg)	4.5	5.0
Linear Accuracy (μm)	± 7	± 8
Bidirectional Repeatability (μm)	± 1.0	± 1.0
Ball Screw Lead (mm)	5.0	5.0

LSN Series Stages



STAGE TRAVEL	DIMN A
3.94 (100MM)	13.26 (337)
5.91 (150MM)	15.24 (387)

DIMENSIONS: IN(MM)

