

Alignment Simulators

LT 300 Alignment Simulator



The LT 300 is a rugged but lightweight shaft alignment simulator. It is an excellent tool for teaching and practicing precision alignment and soft foot correction. The LT 300 is designed from the base up to meet the needs of industrial training departments. Its ample shaft-to-base clearance permits bracket setups for laser or dial indicator systems.

The housing is made of high-strength aluminum to promote uniform deflection characteristics, with torsional soft foot characteristics that closely approximate NEMA motors. The basebolts and jackscrews are Grade 8 for long life, and are specially designed for constant tightening and loosening. The jackscrews permit controlled horizontal moves. The shafts are connected by a flexible coupling that can be uncoupled and recoupled in seconds. It has a slight amount of backlash, which is desirable to study the effects of this condition on alignment readings in some systems.

The solid coupling hubs also permit the use of magnetic bracket systems, such as our ALI 2.112SET.

The independent drag brakes in each shaft permit complete friction adjustment from loose to locked shafts. The knurled hand wheel and precision bearings assure controllable rotation of the shafts for good repeatability.

All in all, it is extremely rugged and sturdy, yet lightweight for ease of transportation.

Dimensions: 25 1/2" x 10" x 10 1/2"

Net weight: 46 1/2 lbs.

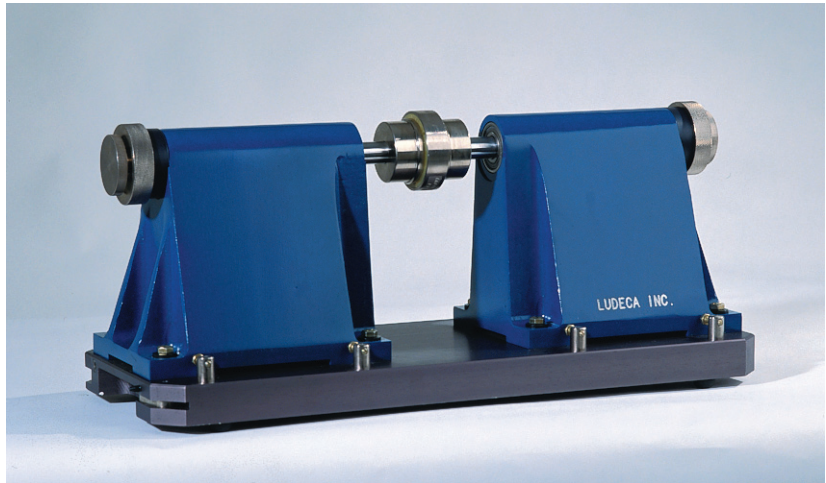
Net weight w/LT 302: 70 lbs.

LT 302 Carrying Case for LT 300

The LT 302 is a heavy duty foam lined carrying case with steel handles on each end and on top, and padlockable-latch.

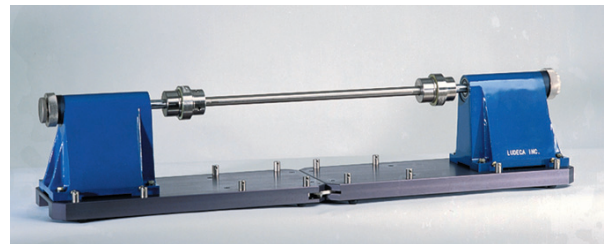
Outside Dimensions: 28" x 13 1/4" x 12"

Net weight: 23 1/2 lbs.



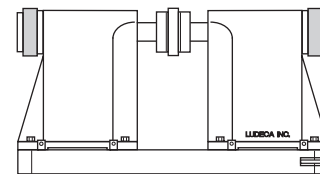
LT 301 Alignment & Jackshaft Simulator

The LT 301 is a multi-purpose simulator. It has all the advantages of the LT 300 plus a 21" jackshaft with an extra base to demonstrate or teach spacer shaft alignment. Two bases can be rigidly joined and locked together with a quarter turn of a wrench. The jackshaft has a coupling half on each end.



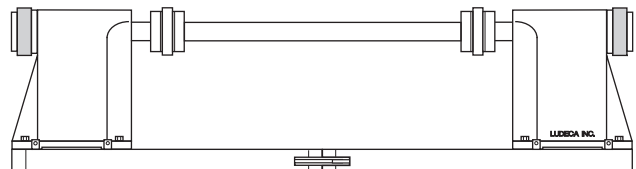
Dimensions: 51" x 10" x 10 1/2"

Net weight: 69 lbs.



Standard Alignment Setup

or



Spacer Shaft Alignment Setup

