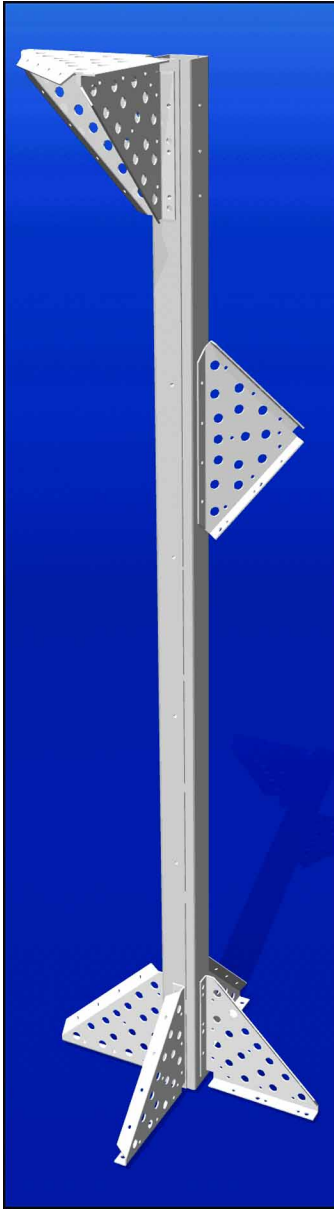


TS360™

Turntable Stand



Features & Capabilities

- Mounts on LT360 Turntable
- Quasi Anechoic Measurements
- Polar Acoustic Measurements
- 200Hz Typical Lower Limit
- Offset Enclosure Rotation
- Torque Load Balancing
- Large Load Handling
- Minimum Acoustic Signature
- Versatile Platform & Balancing
- Rugged Steel Construction
- Low Weight of 19 lbs

Quasi Anechoic Pole Measurements

The TS360 turntable stand mounts directly on the LT360 Precision Turntable. It provides a quick and convenient means for obtaining polar acoustic field data on loudspeakers, horns, enclosures and other similar devices.

The TS360 was specifically designed to enable offset rotation, thereby permitting rotation relative to the center of the baffle board, rather than the center of the enclosure. This is a common requirement as measurements are often related to the front surface of the enclosure or device.

Gated or time windowed measurements can be used to produce data typically down to 200Hz. Polar measurements on small and medium size devices generally do not have much significance below these low frequencies, since the polar response becomes omnidirectional.

Minimum Acoustic Signature

Nearly all mounting methods used for acoustic measurements present a concern for their influence on the acoustic field and their contribution of error to the measurements. This is especially true for polar measurements where the response is to be measured 360 degrees around the device.

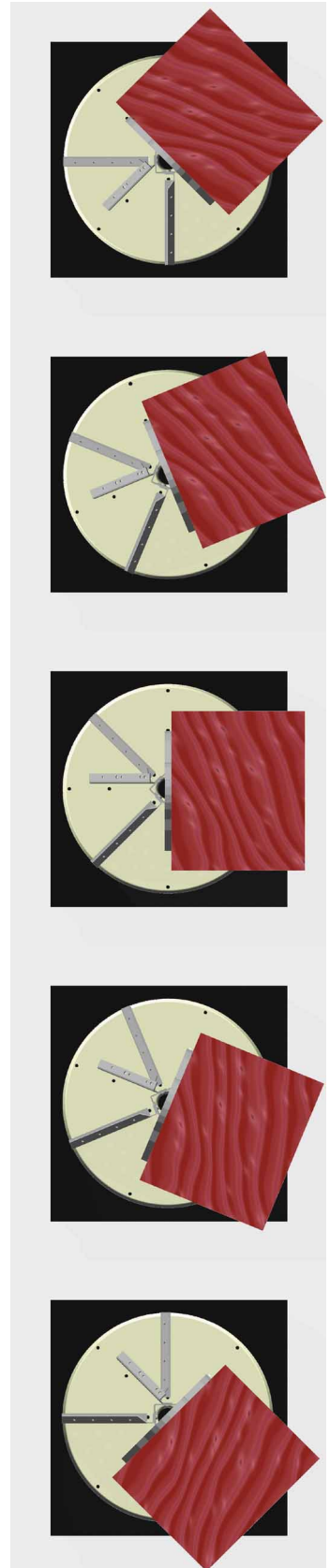
The TS360 was carefully designed and modeled to reduce the acoustic signature and minimize correlated reflections. All brackets feature a triangular aperiodic shape with a staggered perforated surface and 45 degree facets.

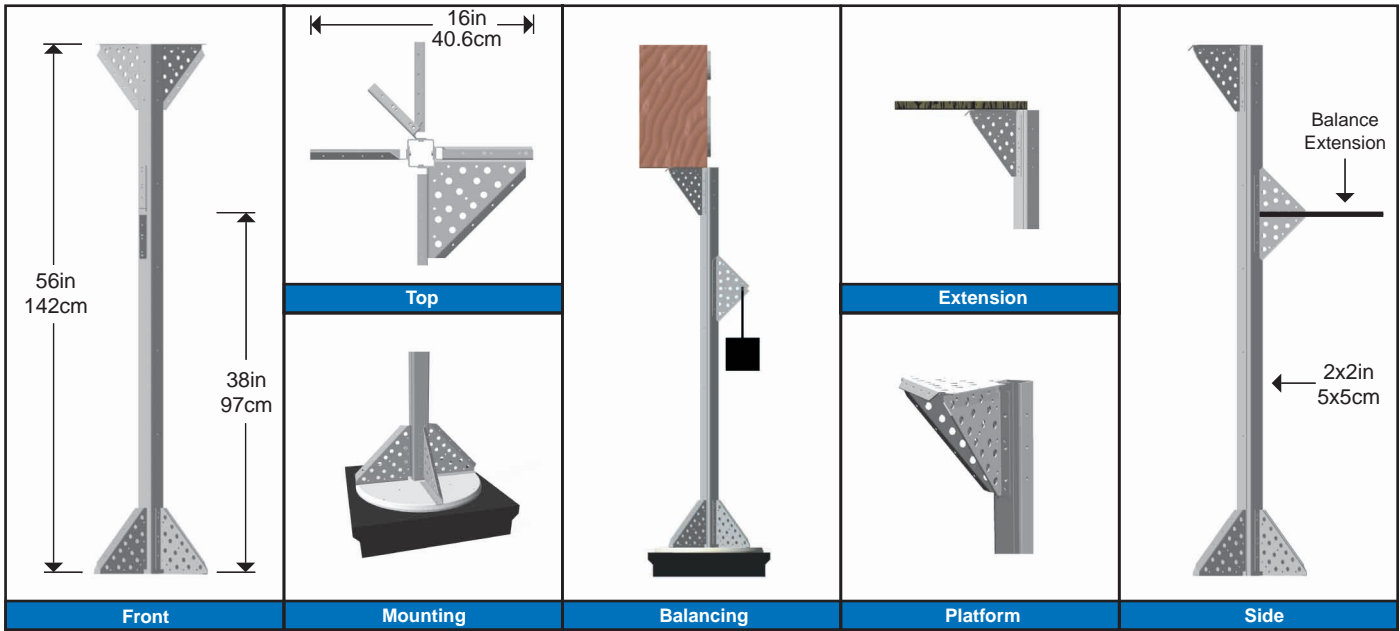
Torque Balancing

When a mass is rotated at a distance from the center, a torque load results which can be substantial for large or heavy enclosures. The TS360 features a counter offset mounting point where counter balance weights can be attached to offset and cancel the torque of the load. The distance of the counter balance point can be modified greatly by mounting a suitable beam or bar extension. Sliding weights can be facilitated in this manner or other similar attachments.

Flexible Load Platform

A triangular platform is provided approximately 8 x 8 x 11 Inches for mounting the device. The size of the platform was chosen as a compromise between the requirements for small devices and those of large devices. This platform is securely supported by two additional brackets underneath which are attached to the pole. Most small and medium size devices can simply be placed on the platform. Larger devices can be handled by extending the platform with a board bolted to the surface having the appropriate size. If desired the device can be secured to the platform or side brackets using screws, straps, or other similar methods.





TS360 Stand Kit Assembly

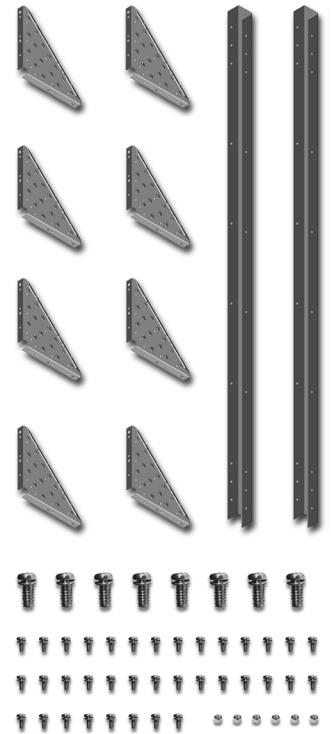
The stand kit is supplied and shipped unassembled. Assembly is simple and requires only a #2 and or #3 Phillips screwdriver. All brackets and rails have pre-punched holes and PEM nuts for quick and accurate alignment. The kit contains:

- (2) U-Channel Rails with 10-32 PEM nuts, 56 x 2 x 1.5 In , 14ga Steel.
- (8) Triangular Brackets, 7 x 7 x 0.75 In, 14ga Steel.
- (8) 1/4-20x5/8 Phillips Machine Screws, Sems w/ Split Lock Washers.
- (36) 10-32x1/2 Phillips Machine Screws, Sems w/ Split Lock Washers.
- (6) 10-32 Keps nuts.

The stand attaches directly to the surface of the aluminum LT360 turntable platter using four of the brackets and (8) 1/4-20 screws. The two U channel rails are bolted together forming a square box pole using (8) 10-32 screws. The pole is then bolted to the platter brackets using (12) 10-32 screws.

The torque balancing bracket can be mounted in the middle of the pole along one edge using (4) 10-32 screws. Two more brackets are attached to the top of the pole using (6) 10-32 screws, and the last bracket is mounted horizontally between the previous two brackets to form a platform with (6) 10-32 screws and (6) Keps nuts.

Finish Zinc Plate with Clear Chromate
 Weight 19 lbs (8.6kg)



Visit our web site or contact the factory for a list of International Dealers.

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