USES
- Lateral Modal Exciter Stands UA 1607 and UA 1608 are used for demanding modal test applications and are matched for use with Modal Exciter Types 4824, 4825 and 4826

FEATURES
- Durable and extremely rugged construction
- Two different heights - 1.4 meters and 2.0 meters
- Perfectly suited for use with push/pull stingers as well as tension wire stingers
- Exciter can be suspended via four turnbuckles (standard accessory), or positioned on top of bracket arm
- Modal Exciter Types 4824, 4825 and 4826 have the possibility of 360 degrees of rotation when mounted on top of bracket arm
- Heavy-duty wheels for easy movability
- Aluminium I-profile arm for easy custom-built exciter suspension
- Low-geared spindle for swift change of exciter height
- Rubber feet on adjustable steel legs
- Pre-tensioning of tension wire stingers via turnbuckle and coil spring (standard accessory)

Description
Designed for demanding modal test applications, Lateral Modal Exciter Stands UA 1607 and UA 1608 provide reliable, stable and long-lived operation. A rugged construction and a variety of possibilities for modal exciter mounting, assure a versatile means of lateral modal excitation for any modal test requiring attached excitation.

The Lateral Modal Exciter Stands UA 1607 and UA 1608 are designed to be used in conjunction with Brüel & Kjær Modal Exciter Types 4824, 4825 and 4826, but they can be used with any exciter (with or without added inertial mass) up to a maximum suspended weight of 60 kg. Mounting of the modal exciter can be achieved via the “classical” suspension method using four turnbuckles or via a unique mounting plate that allows the modal exciter to be mounted on top of the bracket arm. The latter provides for the possibility of rotating the exciter 360 degrees around its own main axis, making excitation setup from under a structure as easy as lateral excitation from the side of the structure.

Lateral Modal Exciter Stands UA 1607 and UA 1608 are suited for push/pull stingers as well as tension wire stingers, such as Brüel & Kjær’s UA 1600. In a traditional setup for horizontal excitation, the latter is accommodated by feeding the tension wire through the modal exciter, mounted in its trunnion and suspended via four turnbuckles. The tension wire then goes around the pulley (height adjustable) and finally connects to a turnbuckle fastened to the base of the Lateral Modal Exciter Stand (UA 1607 or UA 1608), via a coil spring. The coil spring has a pre-tensioning limit of 400 N (90 lbf).

An (optional) DC Static Centering Unit Type 1056, allows the use of tension wire stingers, even when the modal exciter is mounted on top of the bracket arm. The DC Static Centering Unit makes it possible to achieve wire pre-tensioning by adding an adjustable DC current to the AC current (drive signal) from the power amplifier, hence providing the necessary pre-tensioning of the attached wire.
Specifications — Lateral Modal Exciter Stands UA 1607, UA 1608

### Ordering Information

Lateral Modal Exciter Stands UA 1607 and UA 1608 include the following accessory:

- **DL1048** Small turnbuckle with coil spring

#### Optional Accessories

**STINGERS, COLLET CHUCKS AND ADAPTORS**

- **UA 1596** Five push/pull steel stingers. Content: Ten adaptors, diameter 2.5 mm to 10–32 UNF. Five steel rods, length 200 mm, diameter 2.5 mm. Ten fastening screws.
- **UA 1597** Five push/pull steel stingers. Content: Ten adaptors, diameter 3.5 mm to 10–32 UNF. Five steel rods, length 200 mm, diameter 3.5 mm. Ten fastening screws.
- **UA 1598** Three push/pull steel stingers. Content: Three fastening screws. Three adaptors, diameter 2.5 mm to 10–32 UNF. Three steel rods, length 500 mm, diameter 2.5 mm. One 2.5 mm collet chuck (chuck nut with collet insert).
- **UA 1599** Three Push/Pull steel stingers. Content: Three fastening screws. Three adaptors, diameter 3.5 mm to 10–32 UNF. Three steel rods, length 500 mm, diameter 3.5 mm, one 3.5 mm collet chuck (chuck nut with collet insert).
- **UA 1600** One tension wire. Content: One fastening screw. One adaptor, diameter 0.75 mm to 10-32 UNF. One tension wire, length 5000 mm, diameter 0.75 mm, on a spool. One 0.75mm collet chuck (chuck nut with collet insert).
- **UA 1601** Three tension wires. Content: Three fastening screws. Three adaptors, diameter 2.0 mm, 10–32 UNF three tension wires, length 500 mm, diameter 2.0 mm. Three 2.0 mm collet chucks (chuck nut with collet insert).

**THREAD AND BUSHING ADAPTORS**

- **EE–5227–002** Bushing Adaptor, 10–32 UNF to ¼–28 UNF
- **EE–5004** Adaptor, Male 10–32 UNF to Male ½–28 UNF

**ELECTRICAL TENSION WIRE PRE-TENSIONING**

- **Type 1056** DC Static Centering Unit

**FORCE TRANSUCERS AND IMPEDANCE HEAD**

- **EE–0357** ENDEVCO ® 2312 Piezoelectric Force Sensor
- **EE–0358** ENDEVCO 2313 Piezoelectric Force Sensor
- **EE–0112** ENDEVCO 2311-1 ISOTRON ® Force Transducer
- **EE–0113** ENDEVCO 2311–10 ISOTRON Force Transducer
- **EE–0114** ENDEVCO 2311–100 ISOTRON Force Transducer
- **EE–0115** ENDEVCO 2311–500 ISOTRON Force Transducer
- **Type 8023** Force Transducer/Impact Hammer
- **Type 8001** Impedance Head

**TRADEMARKS**

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