Seismic Transducer Mounting Systems
Bently Nevada™ Asset Condition Monitoring

Description

The Quick-Set and Mag-Force mounting systems provide an alternative method for mounting the following seismic transducers:

- 200150 Accelerometer
- 190520 Accelerometer
- 190501 Velomitor® CT

Either mounting system can be ordered as part of these transducers by specifying the appropriate mounting stud option. They are easier to implement than conventional stud mounting, and are stronger than most adhesive studs.

Note: These mounting systems are suitable only when it is not necessary to measure frequencies above 2 kHz.

The Quick-Set system uses a low torque, self-tapping screw that can be screwed into a #26 pilot hole drilled in the machine casing. It also has a 3/8-in 24 stud to attach the transducer. This is usually easier to accomplish than drilling and tapping the machine to accept a threaded stud.

The Mag-Force system uses a powerful magnet in conjunction with a durable industrial strength adhesive. The combination of the magnet and adhesive provides a more durable installation than either one alone. Since it is not necessary to drill a hole in the machine, the costs associated with system documentation may be less than when the machine is drilled and tapped.
Specifications

138648 Quick-Set Transducer Mounting System

Physical

**Hex Size:**
1 inch

**Self-Tapping Thread Size:**
8-32 UNC.

**Transducer Mating Thread Size:**
3/8-in 24 UNF.

Environmental Limits

**Temperature Rating:**
-40°C to +260°C (-40°F to +500°F)

**Corrosion Resistant to:**
moisture, oils, light acids, and bases.

139153 MAG-Force Transducer Mounting System

Physical

**Machine Surface Requirement:**
A flat surface or a diameter exceeding 300 mm (12 in).

**Case Material:**
17-4 Stainless Steel

**Outside Diameter:**
32 mm (1.25 in)

**Transducer Mating Thread Size:**
3/8-in 24 UNF

Environmental Limits

**Temperature Rating:**
-29°C to +121°C (-20°F to +250°F)

**Corrosion Resistant to:**
moisture, oils, light acids, and bases.

Ordering Information

Quick-Set Transducer Mounting System
138648-01

Quick-Set Transducer Mounting Adapter.

MAG-Force Transducer Mounting System
139153-01

MAG-Force Transducer Mounting Adapter.

138730-01

Hex Adapter (1 per installation) recommended.
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