

Yekan MM/FM Surface Magnets

Datasheet

Rev. V1.1



Description

Yekan's reliable, insulated magnets are ideal for vibration measurements on both flat and curved surfaces. Compatible with all acceleration and velocity sensors, including piezoelectric sensors, these magnets ensure accurate and reliable data acquisition. Detailed ordering information is provided on the following pages.

Ordering Information

MM Multipurpose Magnet

MM-AA

A: Holding Force	
200	200 N



MM-180 Specifications

Explanation	Multipurpose 2 rail magnet mounting base allows measurements on curved surfaces
Dimensions	1.10 in. (28 mm) OD 1.00 in. (25 mm) Height
Sensor Weight	< 150 grams
Pull Strength	200 N (20 kg)
Insulation	$\geq 10^8 \Omega$
Sensor Mounting	M5 (Female)
Compatibility	Compatible with all top exit sensors with M5 mounting holes
Case Material	Stainless Steel
Magnet Material	Neodymium Iron Boron
Screw Material	High Strength Stainless Steel
Isolation Material	Epoxy Resin
Max Temperature	70 °C

Figures

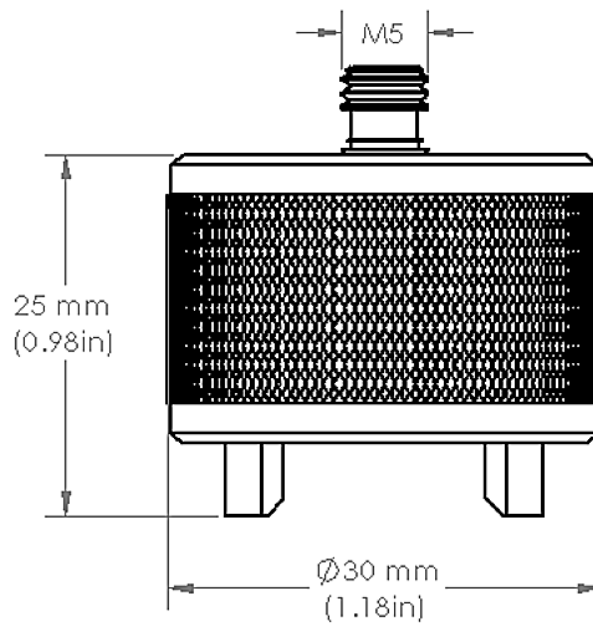


Figure 1. MM-180

FM Flat Magnet

FM-AAA

A: Holding Force	
200	200 N
300	300 N



FM-200 Specifications

Explanation	Plane Surface magnet mounting base allows measurements on Flat surfaces
Dimensions	1.18 in. (30 mm) OD 0.4 in. (10 mm) Height
Sensor Weight	< 150 grams
Pull Strength	200 N (20 kg)
Insulation	$\geq 10^8 \Omega$
Sensor Mounting	1/4-28 (Thru-hole)
Compatibility	Compatible with all top exit sensors with 1/4-28 mounting holes
Case Material	Stainless Steel
Magnet Material	Neodymium Iron Boron
Screw Material	High Strength Stainless Steel
Max Temperature	70 °C

FM-300 Specifications

Explanation	Plane Surface magnet mounting base allows measurements on Flat surfaces
Dimensions	1.57 in. (40 mm) OD 0.47 in. (12 mm) Height
Sensor Weight	< 200 grams
Pull Strength	300 N (30 kg)
Sensor Mounting	1/4-28 (Thru-hole)
Compatibility	Compatible with all top exit sensors with 1/4-28 mounting holes
Case Material	Stainless Steel
Magnet Material	Neodymium Iron Boron
Screw Material	High Strength Stainless Steel
Max Temperature	70 °C

Figures

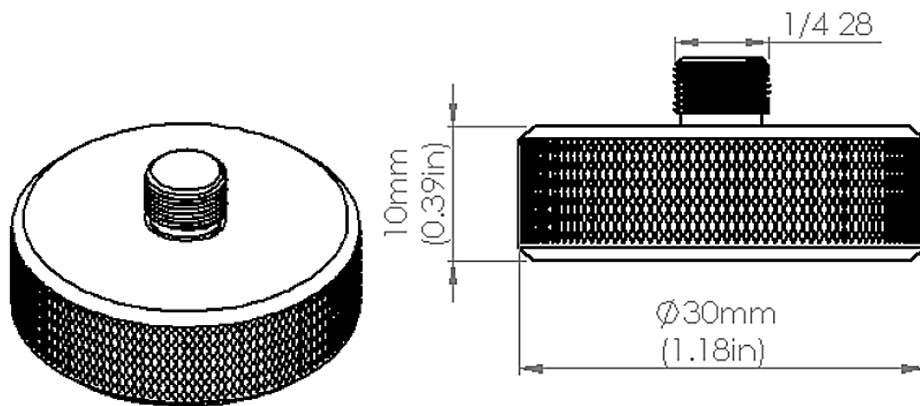


Figure 2. FM-200

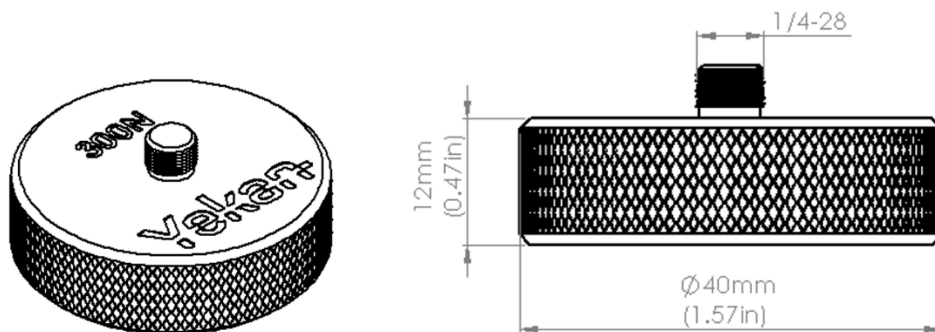


Figure 3. FM-300

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