

# 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
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## MM-180 Specifications

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

## Figures

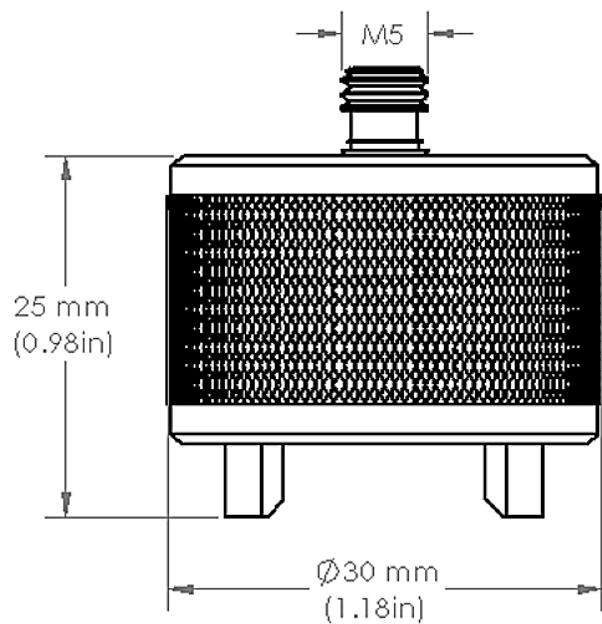


Figure 1. MM-180

## FM Flat Magnet

### FM-AAA

#### A: Holding Force

200	200 N
300	300 N



## FM-200 Specifications

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

## FM-300 Specifications

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

## Figures

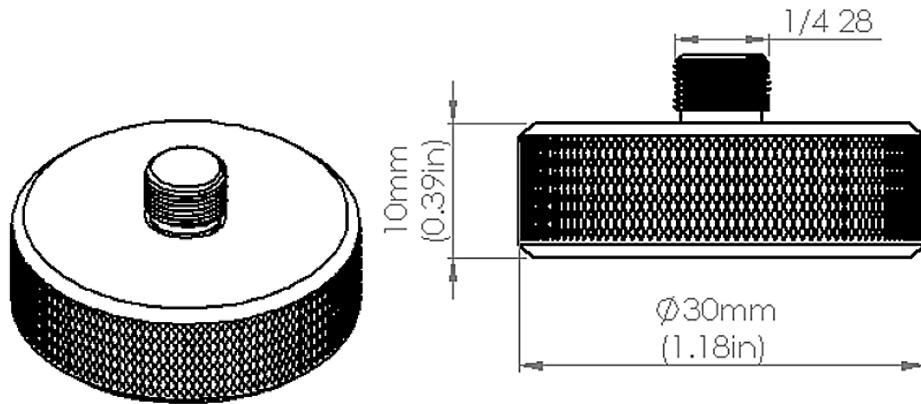


Figure 2. FM-200

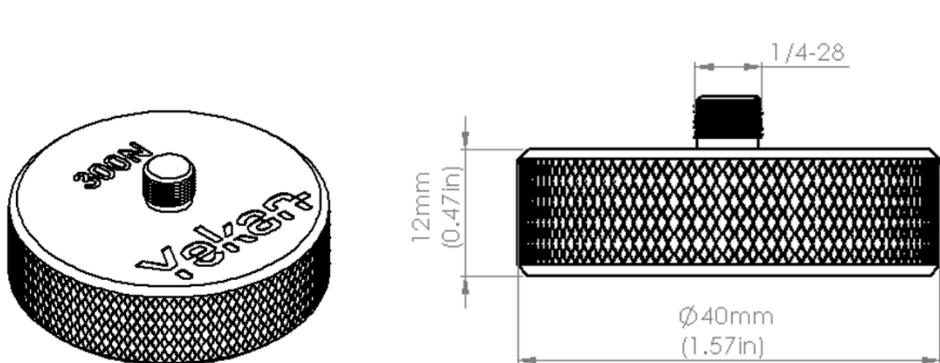


Figure 3. FM-300

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