

## ANTI-VIBRATION AND PRECISION LEVELING

### >>> MHD-Series Precision Leveling

The MHD-Series leveling mount is ideal for machines exerting large horizontal and vertical thrust forces, where a secure, high-precision connection between bedding element and machine is demanded. A unique design allows the MHD mount to absorb impacts from injection molding machines to achieve improved operation and economy. The mount absorbs impulses and shocks in high-speed machinery, where damping material is critical.

The Sunnex MHD mount consists of the following components; impact housing, pressure plate, pressure cylinder, and adjustable screw with nut and washer. This structure guarantees precision leveling to 1/100 mm throughout its leveling range, with no change in natural frequency. In addition, an integral locking device prevents the MHD from coming apart during installation or relocation of the machine. Single mounting points are bolted directly to the mount.

The damping pad is carefully engineered to support static and dynamic loads. It also has a specific stiffness, designed to minimize machine deflection caused by dynamic forces. The elastomer can be customized based on thickness and surface profile to meet specific design requirements.

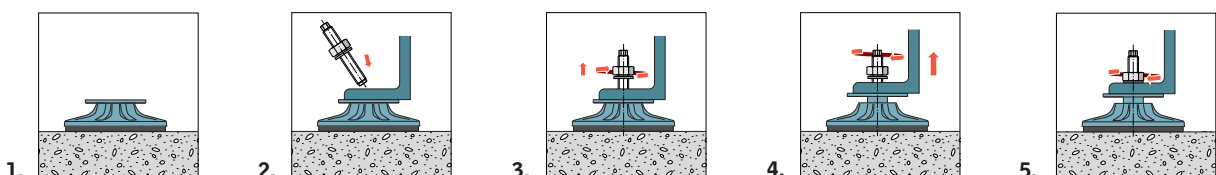
Additionally, spherical washers can be supplied as an optional extra for uneven support surfaces and floors.



### ADVANTAGES

- >> Excellent horizontal dynamic stability
- >> Reduced overall height
- >> Offers leveling range up to 27 mm
- >> Effective vibration isolation
- >> Easy installation and relocation
- >> Minimal lateral deflection
- >> Allows fine height adjustment under full loads
- >> Withstands loads up to 5500 kg

#### Assembly example, step by step Sunnex MHD-Series

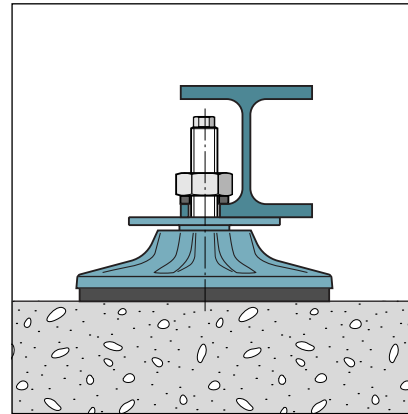


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## APPLICATIONS

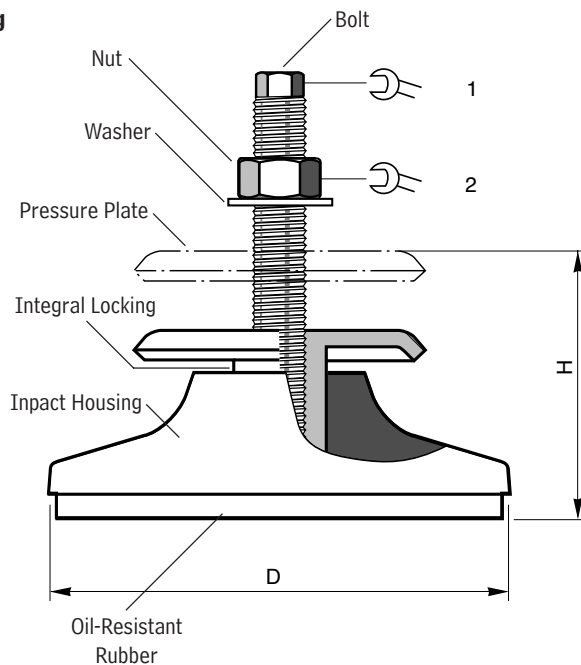
- » BLOW MOLDERS
- » EXTURSION MACHINES
- » GRANULATORS
- » GRINDERS
- » PLASTIC INJECTION MOLDING MACHINES
- » MACHINE TOOLS
- » MEASURING MACHINES
- » MILLING MACHINES

Assembly example  
Sunnex MHD-Series



 sunnex

Dimensioned Drawing  
Sunnex MHD-Series



Model	Load area daN (kg)	Height, H mm	Diameter, D mm	∅C1 mm	∅C2 mm	Thread type
MHD 130	500-1500	60-78	140	12	24	M16 x 1,50 x 150
MHD 165	900-2700	60-84	174	15	30	M20 x 1,50 x 150
MHD 190	1500-4000	60-84	198	15	30	M20 x 1,50 x 150
MHD 240	2300-5500	80-107	245	17	36	M24 x 2,00 x 150

**STANDARD:** The MHD-Series includes one nut and washer set.