

Flexible Magnetic Stand No. 7012-10

Manual No.99MBH007B1



WARNING

If you use a pacemaker, you must not use the Magnetic Stand. The magnetic force on the Magnetic Stand may cause malfunction of your pacemaker.



CAUTION

- Do not bring the Magnetic Stand near the floppy disk or other data storage media. Otherwise the data stored in these media may be deleted due to the magnetic force.
- The attractive force of a magnetic stand will be reduced depending on the conditions of a surface the magnetic base attracts, including material, thickness, surface roughness, and painting applied.
- The attractive force also reduces if the magnetic base attraction surface has scratches or rust on it.
- Dropping or bumping the magnetic stand will cause a breakage or defective in the instrument.
- When fixing the Magnetic Stand on the thick-coated surface, make sure that the instrument is securely fixed on the surface to avoid breakage or personal injury by dropping of the Magnetic Stand.
- To prevent deterioration in holding power of magnet, avoid using the fixture in the proximity of transformers or demagnetizer as they generate strong magnetic field, affecting the fixture's performance. Be sure to keep the magnet base lever OFF when not in use.
- Do not disassemble the arm and the magnet base, or its performance can be deteriorated.

1. Features

This magnetic stand is a measuring fixture for setting up a light-weight, low stylus force measuring tool such as a lever-type dial indicator (test indicator) in an appropriate measuring position.

- Employs the magnet base permitting the fixture to be mounted either horizontally, vertically, or even upside down. Also, a V-groove on the bottom of the base permits the fixture to be mounted even on something cylindrical.
- The pole can be locked at any desired position with the tension of the wire.

2. Name of each part (see Fig. 1)

- Magnet base
- Lever
- Handle
- Wire adjuster
- Pole
- Adjusting sleeve
- Lock nut
- Mounting holder
- Tightening nut
- Bushing
- Retainer ring

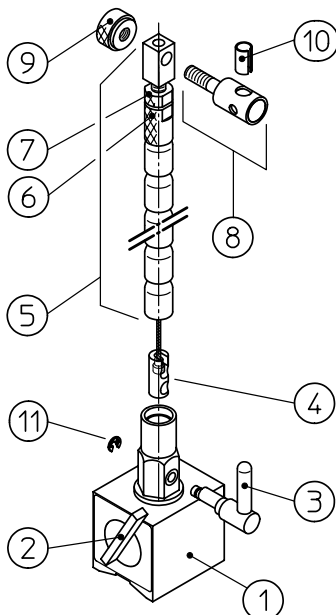


Fig. 1

3. Usage

Please grasp the clamping function according to the handle position prior to use (see Fig. 2).

- Ensure that the handle is in free position and that the adjusting sleeve and the locknut are not in close contact with each other.
- To clamp the pole, rotate the adjusting sleeve to temporarily adjust it so that the pole can be clamped with the handle at the clamping position. (see Fig. 3)
- Insert the stem of a measuring tool in the mounting holder hole, then temporarily clamp it with the tightening nut.
- Locate the magnetic base in place so that the tip (contact point) of the measuring tool comes into contact with the measured point, then turn the lever ON to have the magnetic base fixed by attraction.
- Adjust the degree of pole flexure and the measuring tool orientation so that the pole can be clamped with the handle at the clamp position while rotating the adjusting sleeve. (see Fig.4)
- Rotate the locknut to bring it into close contact with the adjusting sleeve in order to prevent the sleeve from loosening/
- Ensure that the measuring tool has come in contact with the measured point in an appropriate orientation, clamp the measuring tool with the tightening nut, and then clamp the pole by turning the handle to the clamp position.

IMPORTANT

- A measuring tool with a stem of less than 16 mm in length may not be fixed firmly since this tool can be in an inclined orientation.
- To minimize the possible measuring errors, fix the measuring tool in an appropriate orientation, referring to the Users Manual of the measuring tool.
- Hold the measuring tool mounted on the magnetic stand by hand when loosening the handle.

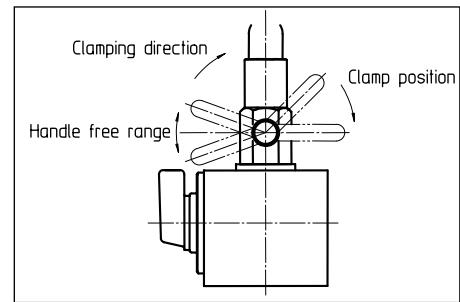


Fig. 2

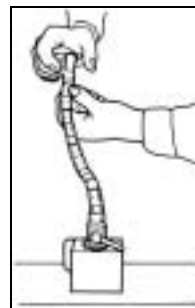


Fig. 3

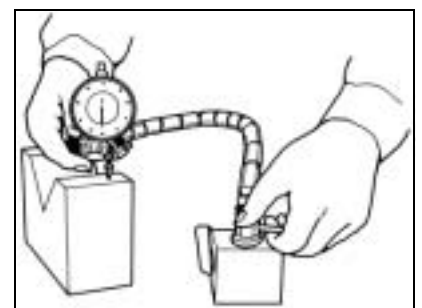


Fig. 4



CAUTION

- Do not perform undue adjustment with the pole being clamped. This will cause a breakage in the clamp wire.
- Do not apply the excessive force to the handle when you clamp the pillar.

4. Maintenance part

| Part No. | Part name | Remarks |
|----------|---------------|--------------------------------------|
| 02AZC410 | Post assemble | One set of (including and) of Fig.1 |

Use the procedures below for replacing the broken wire:

- Remove parts , , and shown in Fig.1.
- Remove using a pair of pliers or the like and take out .
- Remove a set of parts and , install the replacement assembly to , then reverse the procedures to restore the assembled state.

5. Specifications

| Code No. | Applicable stem dia. | Mass | Magnetic force |
|----------|----------------------|-------|----------------|
| 7012-10 | 6, 8, 9.53(3/8") | 1.4kg | 600N |