



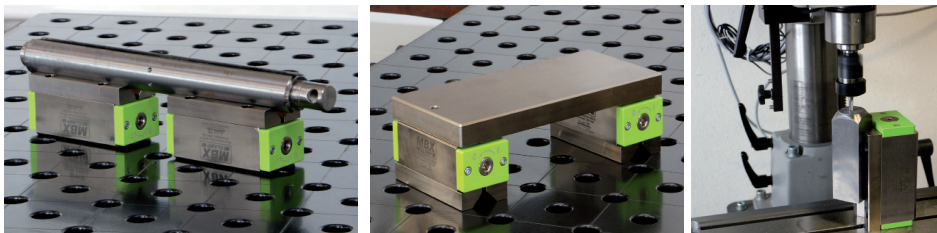
MAGNETIC CLAMPING BLOCK OPERATIONS MANUAL

MBX Clamp

P.O. #: Order #: Part #:

OVERVIEW & OPERATING PRINCIPLE

The MBX Magnetic Clamping Block, also known as a Magnetic Vise, has two magnetically active clamping surfaces for work holding. In addition, a third clamping surface is provided on one end, which allows for vertical part positioning. The clamping surfaces of the MBX are activated by a 90-degree rotation of a hex socket, at either end, using the provided hex key.



Multiple MBX units can be switched at the same time with a connecting hex rod (not included).

MAGNETIC CLAMPING BLOCK SETUP AND OPERATION

With the two differently shaped clamping sides of the MBX, almost any workpiece geometry can be held.

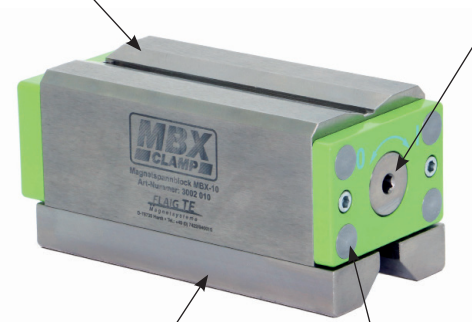
The MBX has two magnetically active clamping surfaces for workpieces. In addition, a third clamping surface is provided on the face side, which allows for vertical positioning.

The clamping surfaces of the MBX are activated by a 90 degree rotation of the Switching shaft.

In use, ensure that the workpiece is a minimum thickness of 4mm (.157 inch = 5/32 inch).

Clamping side for flat and round material

Can be switched on both sides



Clamping side for profiles with 90° prism and flat material

3rd clamping side for vertical stand



HEALTH AND SAFETY WARNINGS

GENERAL INSTRUCTIONS and SAFETY MEASURES



Beware of pinch points from sudden attraction and unexpected movement between magnets and ferrous metal equipment components or tools.

Never activate a magnetic clamping block when it is only attached to one surface. Metal objects are attracted to other surfaces with swift movement causing pinch points and/or potential injuries to body extremities. **Both work pieces need to be in place prior to activation (ON).**



Please be advised that in and around the application of magnetic equipment, there are potential safety concerns that can arise with sensitive medical devices:



- » Pacemaker behavior can be affected when they are near strong magnetic fields
- » Medical implants and external fixation systems can be influenced by magnetic fields
- » Hearing aid behavior may be affected when exposed to strong magnetic fields

Any individual that carries the above equipment or other sensitive medical devices should use caution when they are around or handling magnets. For more specific information the wearer should contact their physician.



Keep feet and other extremities out from beneath a lifted load.

Scratches, surface imperfections and uneven surfaces can lead to sharp reduction in the total clamping force.



Minimum material thickness to be lifted safely is 4mm (.157 inch = 5/32 inch).

The MBX should only be used in a fully magnetized ON state.

When drilling or machining clamped workpieces, avoid hitting the clamping block. Accidental damage to the MBX can reduce holding force.

MAGNETIC CLAMPING BLOCK MAINTENANCE

The clamping surfaces on the MBX are nickel plated; clamping surfaces must be kept clean and flat.

Use a finishing stone to remove minor bumps or high spots on the surface(s).

Never submerge an MBX in coolant - MBX magnetic clamping blocks are **not watertight**.

However the MBX are water resistant and can be used in areas where coolant is applied.

WARRANTY

MBX Clamping Blocks carry a one-year warrantee for material and manufacturing defects from the date of purchase. Any comments, concerns or warranty questions should be directed to our Customer Service Department at 1-888-582-0822.

COMMENTS OR CONCERNS?

We believe Industrial Magnetics, Inc. offers the finest Magnetic Clamping Blocks available today. Great pride has gone into the design and manufacture of this unit. Any comments or concerns should be directed to our Customer Service Department at 1-888-582-0822.

We appreciate the opportunity to serve you!