



MAG-PRY™ - ON/OFF MAGNETIC PRY BAR

OPERATION AND INSTRUCTION MANUAL

INTRODUCTION

READ AND UNDERSTAND THIS MANUAL BEFORE USING YOUR MAGNETIC PRY BAR.

This Mag-Pry™ is designed to quickly and easily level your High/Low mismatches, saving you up to 97% of your labor cost in this time consuming and tedious task. Unparalleled ease of use and speed of operation that will pay for itself time and time again.

GENERAL INFORMATION

- » All Magnets need to be **kept at a safe distance** from all Magnetic storage devices, electronics and credit cards etc...
- » Ensure that the Magnet is **stored in the "off" position** when not in contact with Ferromagnetic metals.
- » **Never use a Magnetic Pry Bar to lift any material.**
- » **Never use a Magnetic Pry Bar for OVERHEAD LIFTING!**
- » **DO NOT attempt to disassemble** the Magnet; there are no user serviceable parts inside the device.
- » All Magnetic Pry Bar products are **designed for normal work/job site conditions**, do not use underwater or in a hazardous environment.
- » **DO NOT use the Magnetic Pry Bar if it is damaged or is not working properly.** Severe injury can occur if this device is not used properly and safely.
- » **DO NOT expose the Magnet to temperatures above 176 degrees Fahrenheit (80° Celsius).** High temperatures will permanently degrade the Magnet's effectiveness and may result in an unsafe condition.
- » **Not recommended for painted or finish coated surfaces** as these will reduce the magnetic bond and the finish may be damaged.
- » **This product contains PTFE lubricant.** For MSDS information contact Industrial Magnetics, Inc.

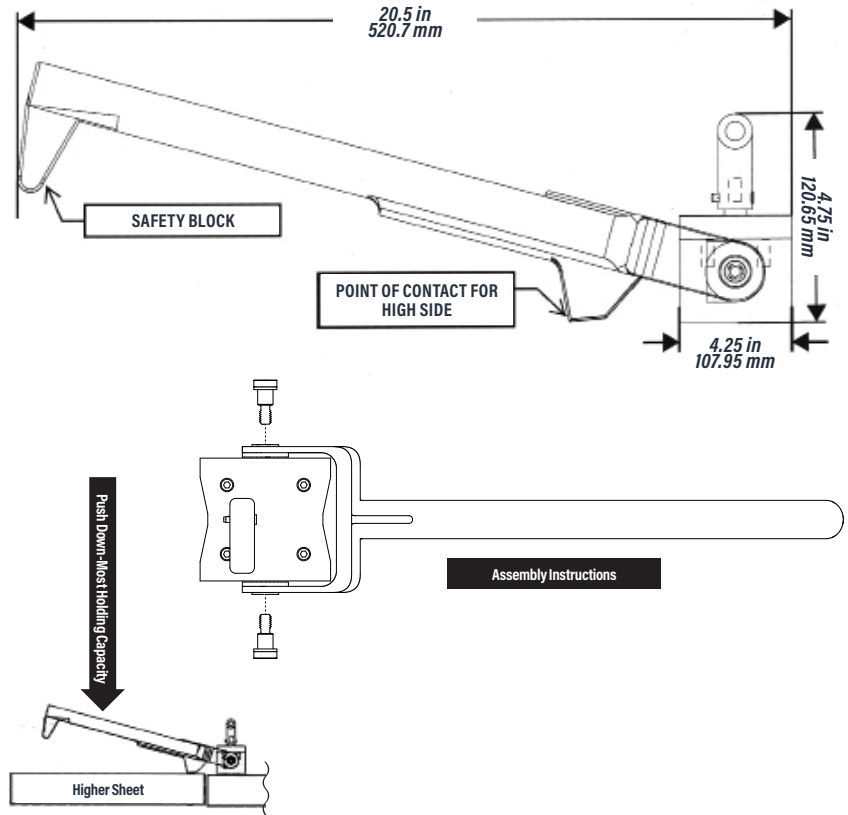
TO USE THE MAG-PRY™

- » Always **test the connection** before attempting to use the Magnetic Pry Bar to ensure that it is capable of holding the material securely.
- » **Numerous factors can negatively affect the strength** of the magnetic bond. Dirt, debris, oils and grease, painted surfaces and any gap between the Magnet and the metal surface will decrease the bond. **Ensure that the metal is clean** and free of these factors.
- » **Thicker metals will be held more strongly than thinner metals.** E.g.: 1/4" steel will be held more strongly than thin gauge metals.
- » **Never exceed the rated capacity** of the device or attempt to alter the device in any way. The PB1000R Mag-Pry™ Magnetic Pry Bar has up to 1,000 lbs of Break-Away Force on thick flat steel, 500 lbs on thick wall pipe or shaft material. Tested in accordance with International Magnetics Association testing methods and represents a straight Break-Away pull. Actual in-use results will vary greatly and **user must test every bond to determine the suitability of the magnet** to hold the material.
- » **Avoid sudden jerking or Shock force** as this will cause the Magnet to lose its hold.
- » **This Magnetic Pry Bar is not designed to be used as a welding ground clamp or as part of an electrical circuit.**
- » **Never use the Magnetic Pry Bar without first tightening the "T" handle** to secure the magnet in place. Always test this hold to ensure that nothing moves.
- » For safe operation, **the bottom surface of the Magnet must always be Flat and Smooth.** If necessary, it is possible to sand the Magnet face smooth using 400 grit sandpaper and a flat surface. **Always file any burrs** that would interfere with full contact.



MAGNETIC PRY BAR OPERATION

1. **DO NOT turn on unless in contact with Ferromagnetic Metal!** The magnet can be left "ON" or "OFF" indefinitely without harm. When "ON", and near a Ferromagnetic object, the magnet will attract suddenly and powerfully causing damage to the surfaces or the user.
2. Place the magnet on the **LOW side** of the two pieces so that the contact point is fully on the HIGH side.
3. The "T" shaped handle on this Magnetic Pry Bar must be turned **clockwise 180 degrees until it stops** in order to be turned "ON". It is not possible to hold the magnet in place unless fully turned on.
4. Push down on the handle to create the required amount of force on the contact point to lower the HIGH side as needed. Tack weld 2-3" from the magnet or more to secure the position.
5. To release the Magnet, push the "T" handle down and turn in the counter clockwise direction until it stops. The Magnet will **turn off and release immediately** upon turning the handle, Use Caution to ensure that it is safe to release the Magnet and that nothing will fall or become dangerous.
6. This Magnetic Pry Bar is capable of **exceptional Break-Away force** holding power; the Magnet is exceptionally strong in **Shear Force** as well. **Prying force is the least powerful** of the holding capabilities and great care must be used when attempting to use this device with Pry force. **See Illustrations.**



MAGNETIC PRY BAR USAGES

- » This Magnetic Pry Bar is perfectly suited to leveling applications when holding to any Flat Ferromagnetic substance.
- » DO NOT carry Steel Plate with the Mag-Pry™ as the steel plate may slide off and the handle may be broken off of the magnet.
- » As with all precision devices, damage can occur from dropping, bumping and impact. Industrial Magnetics, Inc. recommends periodic inspection by the user to ensure that the Magnetic Pry Bar is still functional and fits their needs.
- » Never turn the magnet on when not in contact with Ferromagnetic metal. Sudden impact to the metal can occur causing personal injury or damage to the surfaces.
- » Always test the hold of the Magnet to ensure that it is sufficient to secure the material in place without slipping or falling.
- » When used for material holding for metals that are to be welded, be careful not to overheat the magnet. Temperatures above 180 degrees Fahrenheit internal will permanently degrade the magnetic power and holding strength. Industrial Magnetics, Inc. recommends a tack weld only to keep the heat transfer to a minimum.
- » In order to avoid interfering with the spark, and to avoid overheating the magnet, always keep at least 3 inches away from the magnet, and the prompt removal of the magnet from the heat source in order to avoid excessive heat transfer.

LIMITED WARRANTY

These products are covered by a One Year Limited Warranty on Material and Workmanship. Warranty is Non-Transferable. We reserve the right to inspect all product claims under warranty. Any alteration of the device voids this warranty. User assumes all risk for the proper use of this device and for ensuring product suitability for intended application. This warranty shall not cover any incidental or consequential damages due to the improper use or failure of this device. All these products are covered under International and U.S. Patents 7,587,800 BS & US 8,240,017 B2. Additional patents pending.