

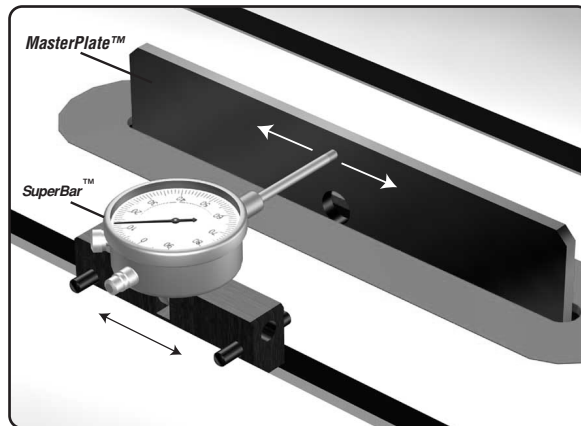
## Now you can **SUPER TUNE** your table saw **FAST!**

*Tune your saw and keep it tuned to within thousandths of an inch [1/1000 inch]!*

### **Easy to use** - The **SuperBar** will let you do the following:

1. Check saw arbor shaft for runout
2. Check saw flange for runout
3. Check for bearing runout
4. Align blade parallel to miter slot
5. Align the anti-kickback splitter to blade
6. Align the scoring blade [if applicable] parallel and in line to saw blade
7. Align rip fence parallel to miter slot
8. Check the rip fence for warpage
9. Square miter gauge to blade
10. Check saw blade for runout

## **SuperBar™ and the MasterPlate™**



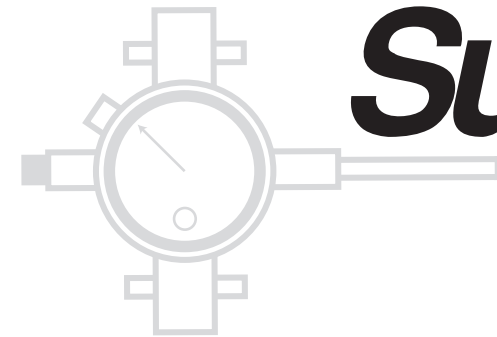
The **SuperBar™** will align, tune up and calibrate your table saw to within thousandths of an inch! Illustration on left shows the **SuperBar™** with the precision ground **MasterPlate™** (Not Included) a specifically designed alignment plate. The **MasterPlate™** replaces your saw blade for alignment and calibration - to insure you get the maximum accuracy from your saw. The **SuperBar** and **MasterPlate™** are the perfect solution to Super Tune your saw!

Note: The saw blade is for cutting - The **MasterPlate** is designed for calibrating - For the most accurate results - Replace your saw blade with the **MasterPlate**, a specially designed super flat plate for aligning and calibrating table saws, radial arm, sliding compound saws.

**SuperBar** - \$69 • **MasterPlate** - \$49

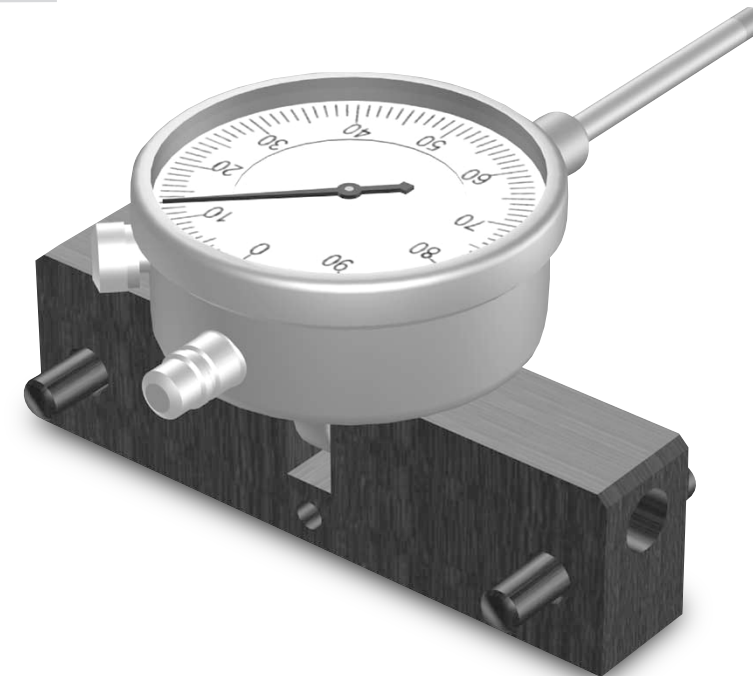
MasterGage® Corporation, P.O. Box 3072 Thousand Oaks, California 91359-0072 USA  
Call for FREE brochure - TOLL FREE 888/893-8300 [www.mastergage.com](http://www.mastergage.com)

**WARNING:** Always disconnect power before using these tools!



# **SuperBar™**

**Super Tune your tablesaw - Fast!**



## *Instruction Manual*

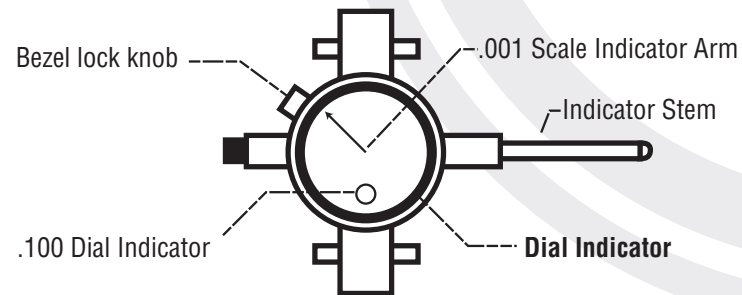
**The **SuperBar™** will align, tune up and calibrate your table saw to within thousandths of an inch!**

*The **SuperBar™** fits standard 3/4 x 3/8 miter slots and Sears models [.740 slot]*

Thank you for purchasing the **SuperBar™**. You will find it extremely useful in making all of those "invisible" misalignments completely **visible**. The precision Dial Indicator will allow you to identify and correct all of the **TEN** [10] different elements of possible misalignment in your tablesaw listed on page 4. Remember - your tablesaw needs to be checked on regular basis for any misalignment. If any one of the ten elements are not in alignment - you will not get top performance from your tablesaw. Treat your **SuperBar™** as you would any precision tool and it will give you years of use.

Paul Reilly,  
President and Founder  
MasterGage, Inc.

## The SuperBar™



For the most accurate results - Use your SuperBar™ with the MasterPlate™. The MasterPlate is a specially designed super flat plate for aligning and calibrating table saws, radial arm, sliding compound saws. The SuperBar and MasterPlate™ are the perfect solution to Super Tune your saw!

### Dial indicator Information

- The dial indicator has a travel range of 1.0 inches.
- The black numbers on the dial represent .010 inches [ten thousandths of an inch] [10/1000].
- Each black graduation line on the dial represents .001 inches [one thousandths of an inch] [1/1000].  
As a point of reference: this sheet of paper is .004" thick [4 thousandths of an inch] while the human hair is .001" thick [1 thousandths of an inch].
- Each time the indicator arm rotates 360 degrees [.100 inch travel] the small dial moves to a number on the small dial.  
Example: when the large indicator arm rotates two times, the small dial arm will indicate 2. which is .100 times 2 or .2 inches.

### Using the Dial Indicator

- Move the dial indicator so that the indicator stem is contacting the desired surface, allow the tip to deflect the dial indicator arm slightly.
- This is called "preloading" the dial indicator.
- Loosen the bezel lock screw and rotate the bezel so that the "0" on the dial lines up with the indicator arm.
- Tighten the bezel knob.
- You are now calibrated to measure from the desired surface.

*Tips: Assemble and adjust your SuperBar™ as shown on the next page. When you slide the SuperBar™ assembly in the miter slot, be sure to push / pull the black block and **not** the Dial Indicator body itself.*

## Setting up your SuperBar™

### Step 2 - Coarse Adjustment

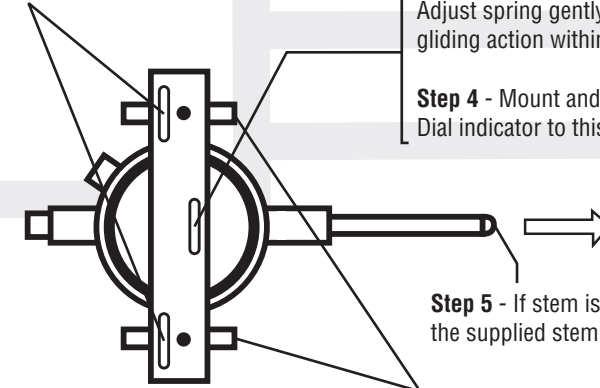
Adjust set screws so that unit slides full length of slot with minimum side play

### Step 3 - Fine Adjustment

Adjust spring gently to give you a smooth gliding action within the miter slot

**Step 4** - Mount and orient the Dial indicator to this slot - as shown

**BOTTOM VIEW**



**Step 5** - If stem is too short, install the supplied stem extension[s]

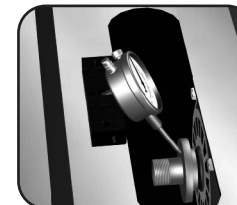
**Step 1** - Install the two outrigger rods as shown

## Using the SuperBar™

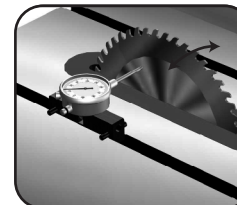
Check saw arbor shaft for runout (Rotate arbor by hand)



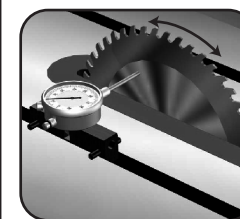
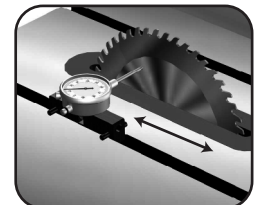
Check face flange for runout (Rotate by hand)



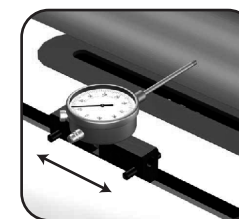
Check bearing for runout by moving blade back and forth



Align blade parallel to miter slot



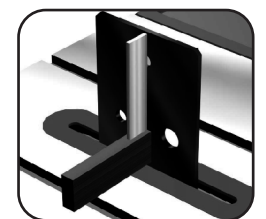
Check blade for runout (Rotate by hand)



Aligning fence parallel to miter slot

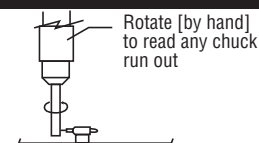


Square miter gauge to the saw blade (**MasterPlate** Illustrated)

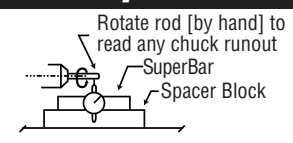
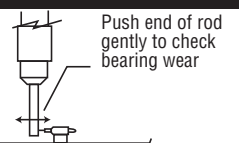


Adjust blade 90° to top of table (**MasterPlate** Illustrated)

## Other Uses for the SuperBar™



Checking the drill press with the precision rod part no. 1050-173



Checking the lathe with the precision rod part no. 1050-173

