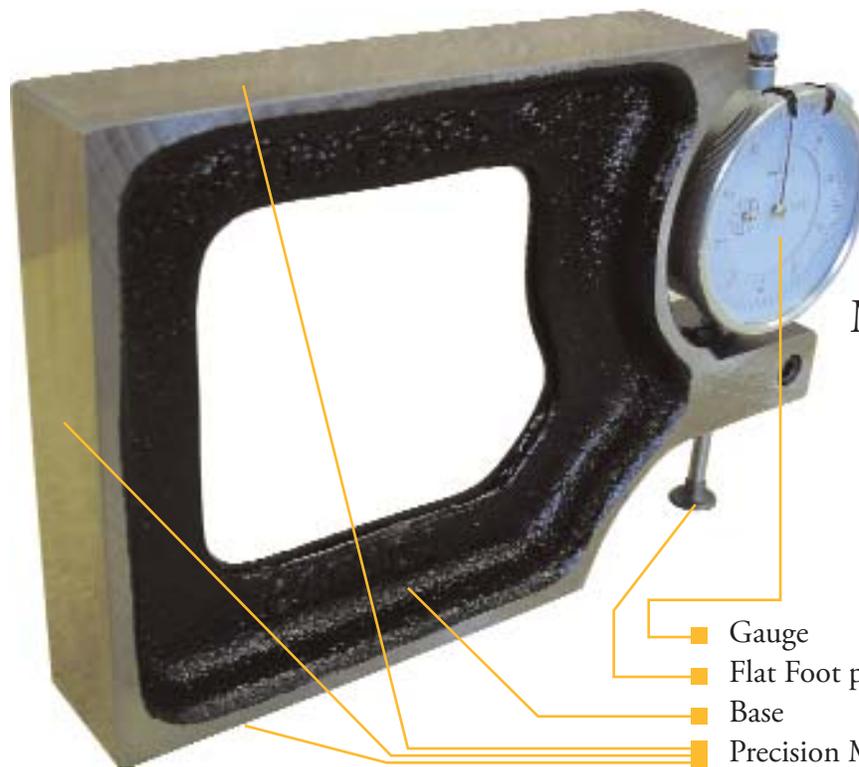


Multi-Gauge

It's flat foot set parallel to the base makes it the one and only tool that really works for precision setting of jointers and other machines around the shop.



Multi-Gauge
Part No. 2289

- Gauge
- Flat Foot parallel to the base
- Base
- Precision Machined Surfaces

What's Included

- 1 Multigauge Frame
- 1 0-1" .001 Indicator
- 1 3/8 diameter Flat Foot
- 1 Round Foot
- 1 Allen Key

The Multi-Gauge is an evolution in the way indicators can be used in the home work shop.

The indicator has a 1-1/32" travel and is exactly 90° to the base.

The frame is 1-1/4" thick and is made from quality cast iron.

Three sides are precision machined at 90°.

Unlike setting jointer knives with a straight edge, magnets or a machinist's magnetic base, the Multi-Gauge lets you know exactly where your jointer knives are in relation to your jointer table.

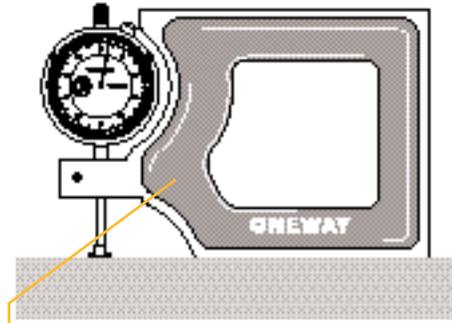
Setting Up the ONEWAY Multi-Gauge

To Install the Indicator into the frame:

1. Loosen the clamp screw in the frame.
2. Slide the indicator into the frame as in figure 1.
3. Screw the flat foot into the indicator stem finger tight.
4. Set the frame onto a flat surface such as a machine table. Make sure the indicator foot is clear of the table and then slide the indicator down until the needle just starts to move. Continue moving the indicator down until the needle is at approximately top dead center. It is not critical to get it at exactly top dead center.
5. Tighten the clamp screw in the frame.
6. Loosen the bezel locking screw (figure 2) and adjust the bezel to align zero with the needle.
7. Re-tighten the bezel locking screw finger tight.

Reading an Indicator

There are two needles on the face of the indicator supplied with the Multi-Gauge. The large needle on the indicator reads in .001 inches and one revolution of the dial is .1 inches. The small needle reads in .1 inches. The small needle can best be described as a revolution counter for the large needle. For example if you want to measure something that is 1/8 of an inch the decimal equivalent is .125 inches. The big needle will go around one full revolution (.1 inches) and the stop when it reads at the 25 on the dial. The small needle will point slightly past the 1 on the small dial. If you wish to work with fractional dimensions you will need a conversion chart (provided below).



Loosen this screw and slide indicator down until needle is near top dead centre

Figure 1

Loosen lock screw and use the knurled ring to rotate bezel so that zero matches the needle

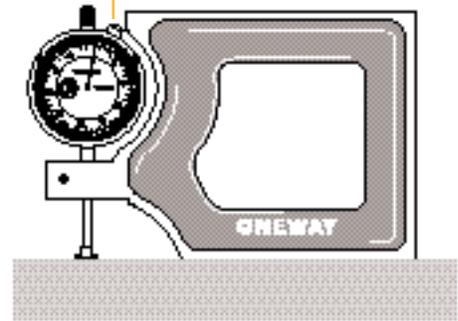


Figure 2

Fractional to Decimal Conversion Chart

1/32	.032	3/8	.375	23/32	.718
1/16	.062	13/32	.406	3/4	.75
3/32	.093	7/16	.437	25/32	.7812
1/8	.125	15/32	.468	13/16	.8125
5/32	.156	1/2	.5	27/32	.843
3/16	.1875	17/32	.531	7/8	.875
7/32	.2188	9/16	.562	29/32	.906
1/4	.25	19/32	.594	15/16	.9375
9/32	.2812	5/8	.625	31/32	.9688
5/16	.3125	21/32	.656	1.0	1.0
11/32	.343	11/16	.687		

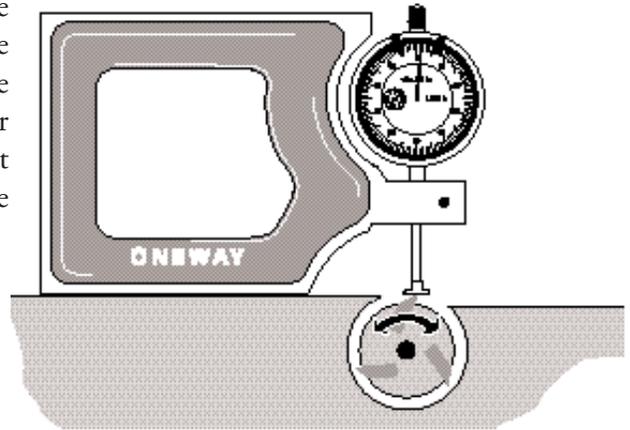
Using the Multi-Gauge

The uses for the Multi-Gauge are almost unlimited. These include setting jointer knives, setting groove depths for your router or table saw, setting rabbet widths on your router and setting the depth of cut on your jointer.

Setting Jointer Knives

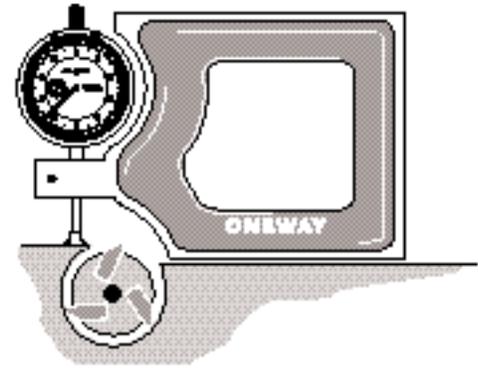
Before doing any work on a machine disconnect power. Set the Multi-Gauge on the outfeed table and the indicator foot over the center of the cutter head. Rotate the cutter head and watch the indicator. When the knife is at top dead center the indicator should read between .001 and .003 and all knives should be at the same level. Check the knives at both ends to ensure that the knives are parallel to the outfeed table.

All sides of the Multi-Gauge are ground square and parallel so you can also use the gauge to set your jointer fence square.



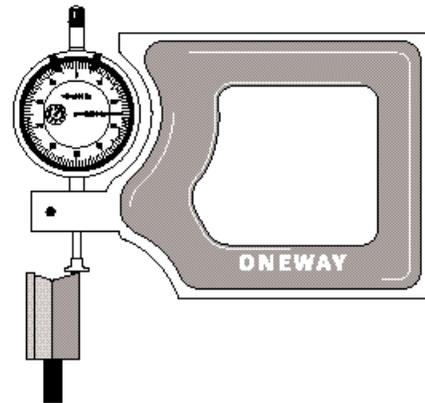
Setting the Depth of Cut on a Jointer

Set the Multi-Gauge on the infeed table so that the indicator reaches over the cutter head to the outfeed table. Read the depth of cut directly from the indicator.



Setting Groove Depths

Set the Multi-Gauge on your router and set the indicator to zero. Put the foot on the router bit and then raise the router until the indicator reads the correct depth. If you are grooving on a table saw rotate the saw blade manually to ensure that the indicator picks up the highest point on the saw blade.



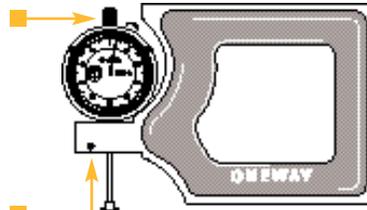
Measure Drill Diameters

The Multi-Gauge can be used to quickly check drill diameters. Roll the drill under the flat foot and read the diameter. Remember that the diameter that the drill cuts is measured from the land of the drill not the body diameter.

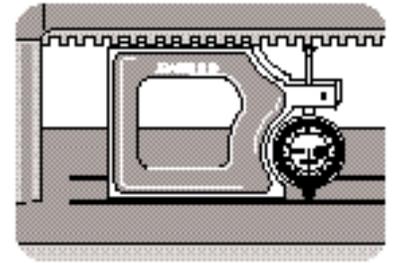
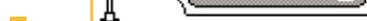
Checking Thickness Planers

To check thickness planers you will need to set the gauge upside down. You will also have to slide the indicator all the way down into the frame so that the foot sticks out the maximum amount. You can then check the knives are all set to the same height.

Step 2. Move indicator down

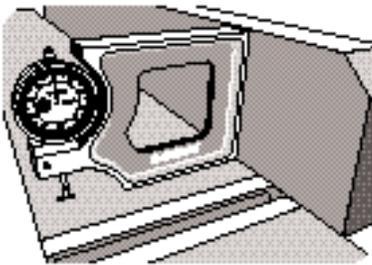


Step 1. Loosen clamp screw

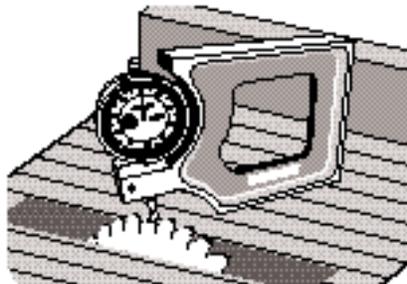


Your Multi-Gauge can also be used to:

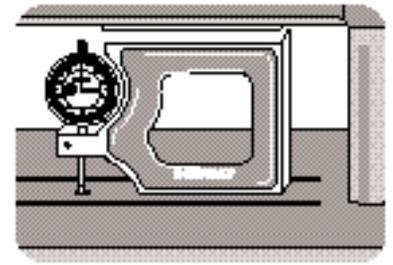
- Accurately measure the height of shaper and router bit settings
- Measure the diameter of drill bits, dowels and flat stock
- Set depth of cut
- Measure groove depths
- Set the rabbet widths
- Check saw blade run out



Square the fences on your machines



Set saw blade height and dados on your table saw



Set roller heights on your planer

Manufacturers Warranty

Date Purchased: _____ Purchased From: _____

This Oneway product is backed by a warranty period of **2 years** from the date of purchase. This Warranty excludes the Indicator.

Oneway hereby agrees to repair or replace, any defects due to faulty material or workmanship, provided that:

1. The warranty period has not elapsed. Proof of purchase date (sales receipt etc.) is required prior to any repair taking place.
2. The product has not been altered or modified in any way.
3. The product has not been subjected to misuse, abuse, negligence, or was not used strictly in accordance with these instructions.
4. Transportation costs incurred in returning the product to Oneway Manufacturing is pre-paid by the customer.

This warranty does not cover any costs or damages arising directly or indirectly from the operation of this product.

No other guarantee, written or verbal, is authorized by Oneway Manufacturing.

Our policy is one of continuous improvement. We therefore reserve the right to change the specification and/or design without notice.