

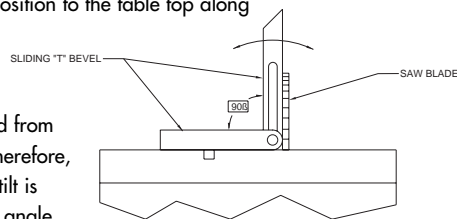
Universal Angle Guide

and Height Gauge

BEVEL ANGLES DEFINED:

All bevel angles on the Universal Angle Guide are identified by a framed angle, as an example 15° . The ZERO angle position of a bevel angle actually begins at 90° . This is best illustrated by the front view of a table saw as shown below. With the saw blade in its normal 90° position to the table top along with the "T" bevel set in a vertical standing position at 90° .

Any blade tilt is measured from the 90° (zero) position, therefore, a 15° degree saw blade tilt is measured as a 15° bevel angle.

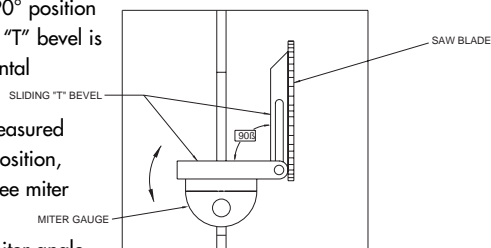


▲ FRONT VIEW OF A TABLE SAW

MITER ANGLES DEFINED:

All miter angles on the Universal Angle Guide are identified by a framed angle, as an example 15° . The ZERO angle position of a miter angle actually begins at 90° . This is best illustrated by the top view of a table saw as shown below. With the miter gauge in its normal 90° position to the saw blade, the "T" bevel is lying flat in its horizontal position at 90° .

Any miter angle is measured from the 90° (zero) position, therefore, a 15° degree miter gauge angle is measured as a 15° miter angle.



▲ TOP VIEW OF A TABLE SAW

More Woodworking Products from MasterGage

MasterPlate and SuperBar – Align, calibrate and troubleshoot your tablesaw. Eliminate binding, burn marks, kick back and minimize sanding.

MasterGage/Classic – Awarded "Top Tool" in 2003 by Wood Magazine. Align, calibrate, trouble shoot all your woodworking machinery with machine shop precision. Expand the capabilities of your Classic with many custom designed Accessories.

MasterGage/Professional – The Professional has all the capabilities of the Classic, PLUS a precision protractor, PLUS the revolutionary "Instant Recall" features for both the protractor and height gauge. Custom Accessories are also available for the MasterGage/Professional. Reduce machine set up time and boost productivity with the powerful features of the MasterGage/Professional.

All the above products are Patented in the United States of America.

Master Your Machinery



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Universal Angle Guide

and Height Gauge

Set or measure ANY ANGLE from 0° to 180° to $1/2^\circ$ accuracy! Designed like a "fan" with the degree markings fanning out from coarse 5° lines - to fine $1/2^\circ$ lines.

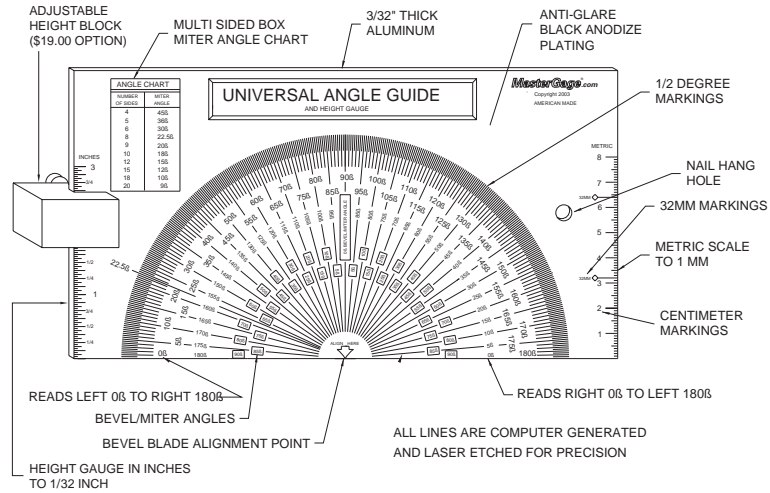
BENEFITS

- No math or calculations required
- Eliminate gaps and misalignment in all your angle cuts
- Read any angle with your sliding "T" bevel, fast and accurately
- Designed for both right hand and left hand "T" bevel readings
- Set any angle, including bevel/miter angles, to $1/2^\circ$ accuracy
- Set an angle and get the complementary angle automatically
- Measure both inside AND outside corners
- Ideal for setting/measuring angle cuts for crown molding, etc
- Transfer angles from your work to any machine
- Set/measure required angles on tablesaws, bandsaws, etc
- Handy Angle Chart gives required angles for multiple sided boxes
- Set measure saw blade/router bit heights to $1/32$ inches or 1 millimeter accuracy with the Height Gauges
- OPTIONAL Height Gauge Block makes height measurements a snap
- Portability – at home – to the shop – to the building site
- Great for chair makers, furniture makers, cabinetmakers, finish carpenters or anyone who works with angle making requirements

FEATURES

- Precision scales generated by computer
- Permanently laser etched lines into $3/16$ " thick hardened aluminum
- Brushed, anti-glare black anodized surface for easy reading
- Angles marked from left to right, 0° to 180° - to $1/2^\circ$ accuracy
- Angles marked from right to left, 180° to 0° - to $1/2^\circ$ accuracy
- Both left and right hand, 90° to 0° bevel/miter angle scales
- Inch height gauge, 3.0 inches, graduated to $1/32$ "
- Metric height gauge to 8 centimeters, graduated to 1 millimeter
- Metric scale has convenient multiple 32mm index markings
- Height Gauge Block (optional) for blade & bit measurements
- Convenient nail mounting hole for storage

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INTRODUCTION TO THE UNIVERSAL ANGLE GUIDE

Designed to be used with a Sliding Bevel Gauge

The Angle Guide is very "user friendly"—designed for both right and left handed craftsmen. Setting/reading angles and heights is a snap - let's take a look.

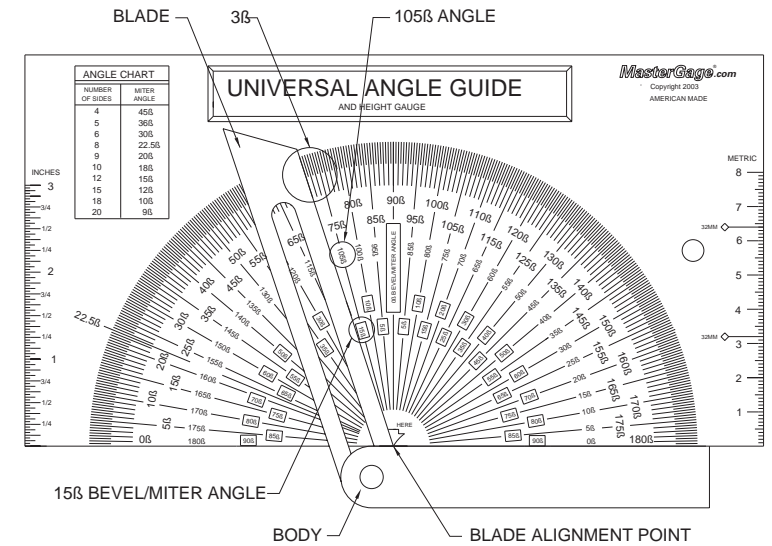
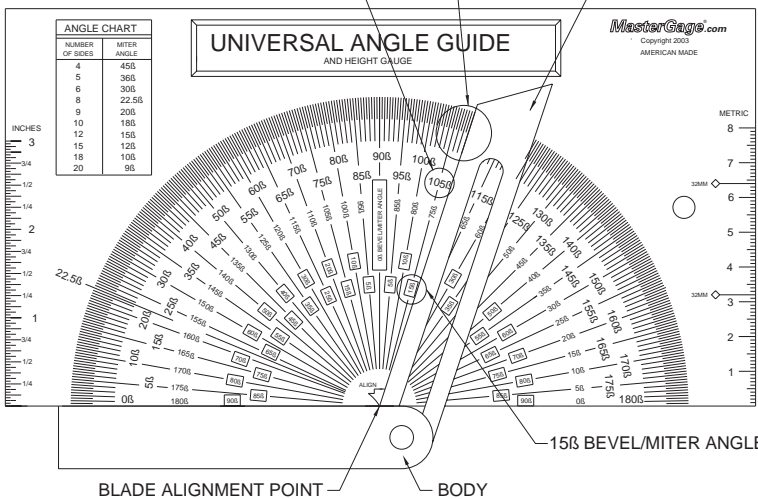
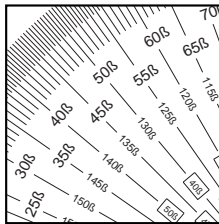
Start at the center arrow labeled "ALIGN HERE" and "fan" out to the Bevel and Miter angles, framed in boxes. These angles are conveniently marked in both right hand and left hand directions. Moving further out in the "fan", are angles starting at 0 degrees at the lower RIGHT SIDE and ending at 180 degrees on the lower LEFT SIDE. Advancing to the outer angles in the "fan" are angles graduated from 0 degrees on the lower LEFT SIDE to 180 degrees on the lower RIGHT SIDE. Located in the upper corner is a handy Miter Angle Chart that lists required angles for multiple sided boxes. On each side of the gauge are Height Gauges, one on the left marked in inches and one on the right in millimeters.

Perfect for setting/measuring blade and bit heights. An OPTIONAL Adjustable Height Block helps you set/measure any blade or bit height precisely.

Angle reading with the Sliding Bevel Gauge body positioned to the LEFT side.

Align the Sliding Bevel blade on the center arrow point labeled "ALIGN HERE" as illustrated.

- Reading a BEVEL/MITER angle. In the illustration, read the framed 15° BEVEL/MITER, then ADD the 3° indicated at the top of the blade for a sum total of 18°.
- Reading a STANDARD angle. With the Sliding Bevel Gauge body positioned on the LEFT SIDE, read from the scale that starts at 0° on the LOWER LEFT side. In the illustration, read the blade setting at 105°, then ADD the 3° indicated at the top of the blade for the sum total of 108°.



Angle reading with the Sliding Bevel Gauge positioned to the RIGHT side.

Align the Sliding Bevel blade on the center arrow point labeled "ALIGN HERE" as illustrated.

- Reading a BEVEL/MITER angle. In the illustration, read the framed 15° BEVEL/MITER, then ADD the 3° indicated at the top of the blade for a sum total of 18°.
- Reading a STANDARD angle. With the Sliding Bevel Gauge body positioned on the RIGHT SIDE, read from the scale that starts at 0° on the LOWER RIGHT side. In the illustration, read the blade setting at 105°, then ADD the 3° indicated at the top of the blade for a sum total of 108°.

ANGLE CHART	
NUMBER OF SIDES	MITER ANGLE
4	45°
5	36°
6	30°
8	22.5°
9	20°
10	18°
12	15°
15	12°
18	10°
20	9°

MITER ANGLE CHART FOR MULTIPLE SIDED BOXES