INSTRUCTION SHEET **Model No. 51007**

DuBois®

Miter Gauge with Fence System

QUESTION...
1•847•780•6120

⚠ WARNING

For your own safety, read the machine's instruction manual before using any accessory. Failure to heed these warnings may result in serious personal injury and damage to the tool and the accessory.

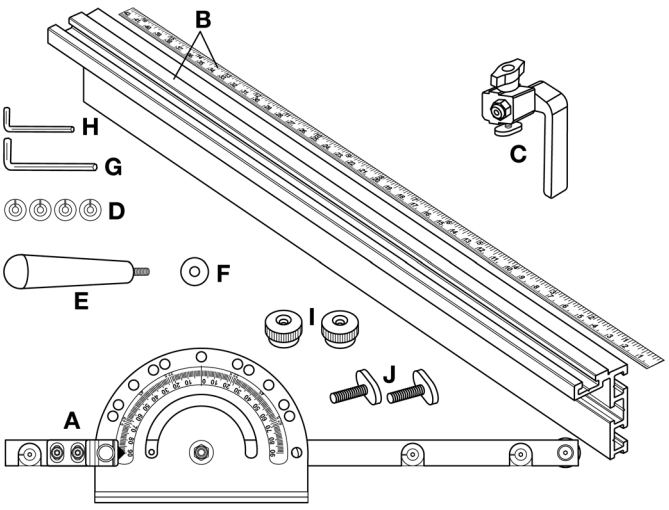
- Before using the miter gauge and fence system, read and follow all of the provided instructions and safety information.
- Always keep hands clear of the blade, cutter, sanding disc/belt.
- Before making adjustments to the precision miter gauge system, turn off the power, allow the blade, cutter or sanding disc/belt to come to a complete stop and unplug the machine.
- Ensure handle and lock knob are tight before using.
- Before turning on the power after adjustments, ALWAYS verify there is a safe clearance between the blade and fence.

UNPACKING Refer to Figure 1

NOTE: *Check for shipping damage. Check immediately whether all parts and accessories are included.* ***No additional tools are needed for assembly.***

ITEM	DESCRIPTION	QTY
A	Miter Gauge	1
B	Fence with Right to Left Tape Measure	1
C	2-1/4" Fence Flip Stop	1
D	Extra Expansion Discs (Place in a safe place for future use)	4
E	Handle	1
F	Washer	1
G	3 mm Hex Wrench	1
H	2.5 mm Hex Wrench	1
I	1/4" Round Knobs	2
J	T-Bolts 1/4"-20x1"	2

Figure 1



⚠ WARNING

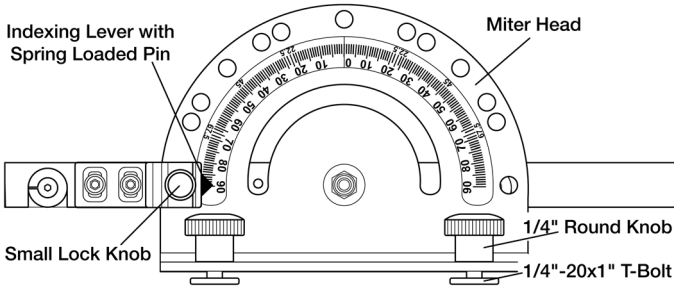
Risk of accidental starting and serious personal injury. Unplug the machine before attaching the precision miter gauge system.

Assembly Refer to Figure 2, 3

NOTE: *The miter gauge is equipped with a protractor style miter head with a spring loaded pin. The most common used angles have positive stops 0°, 22.5°, 30°, 45°, 60°, 67.5° and 90°. Loosen the handle knob, lift the indexing lever with the spring loaded pin and rotate it to keep it raised. Move the miter head to the desired angle. If the desired angle is a positive stop, rotate the indexing lever to allow the pin to drop into the hole by for the desired positive stop and tighten the lock knob to secure into place. If the desired angle is not a positive stop, keep the spring loaded pin raised and tighten the lock knob when the desired angle is hit to secure in place.*

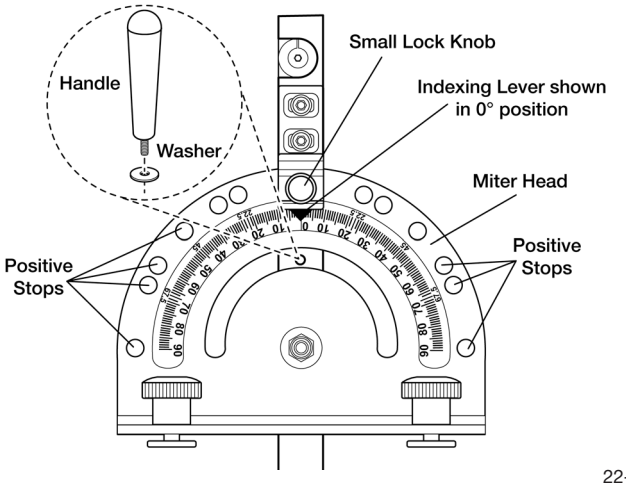
1. Loosen the small lock knob, lift the indexing lever with the spring loaded pin and rotate the miter head to the 0° position, allow the pin to drop into the 0° position positive stop. Tighten lock knob to lock into place.

Figure 2



2. Place washer onto handle threads and thread the handle onto the guide bar. See Figure 3.
3. Tighten handle.

Figure 3



SETTING THE GAUGE TO 90°

Refer to Figure 4

NOTE: *The tapered hole presets are precision cut and are accurate to each other. Once the miter gauge face is square to the bar, no other adjustments are required. If by chance the workpiece is not square, use a square to square the miter gauge face directly to the blade or follow the instructions supplied with the machine to square the machine's miter slot to the blade.*

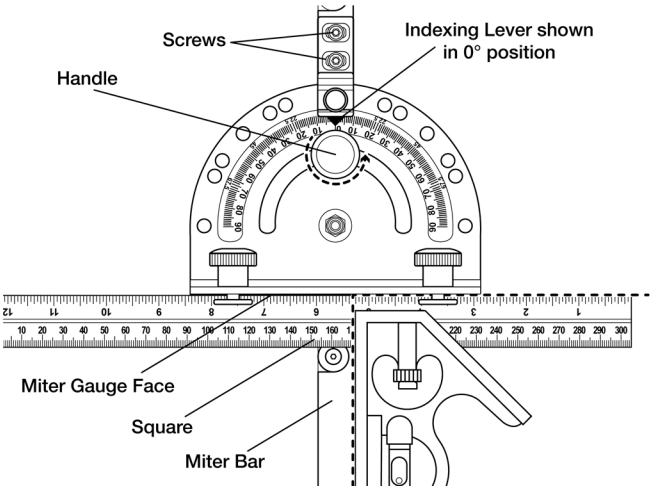
Use a square to verify the miter bar is perpendicular to the miter gauge face.

NOTE: *If easier to read, the assembled fence can be used to check perpendicularity to the miter bar. The miter gauge is preset at the factory.*

If not square or requires resetting:

1. Loosen the screws located on the indexing lever with the 3 mm hex wrench (supplied).
2. Make sure the spring loaded pin is dropped into the 0° positive stop and locked into position, adjust the miter gauge head so the index point is on 0° .
3. Use a square to set the miter bar and miter gauge face perpendicular.
4. While holding the square, tighten the screws.

Figure 4

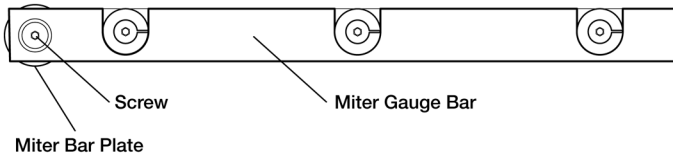


ADJUST MITER GAUGE TO MITER SLOT

Refer to Figure 5, 6

1. If the tool is equipped with a T-slotted miter slot, use the 3 mm hex wrench (supplied) to ensure the screw holding the miter bar plate is tight. If the tool is not equipped with a T-slotted miter slot, remove the plate. Save these parts.

Figure 5

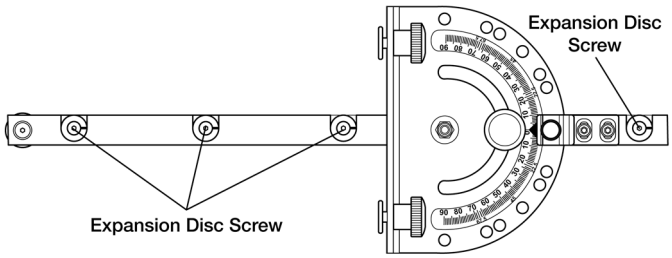


2. Place the miter bar into the miter slot and check for side movement. If the miter gauge guide bar moves freely through the miter slot and has no side to side play, no adjustment is needed.

If adjustment is needed:

The four expansion disc located on the top of the miter bar can be adjusted to remove any side movement. Use the 2.5 mm hex wrench (supplied) to tighten the screws until all side motion is removed. Turn the screws clockwise to tighten the fit and counterclockwise to loosen the fit. Ensure the bar slides freely in the miter slot.

Figure 6



TO SQUARE THE MITER GAUGE FACE

Refer to Figure 7, 8

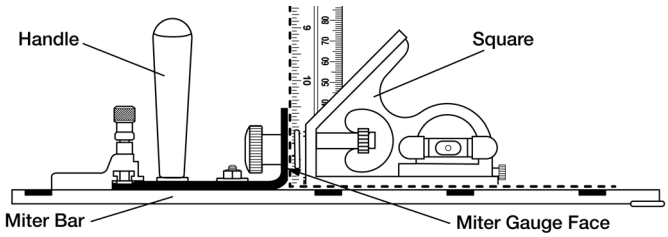
The miter bar features an adjustment screw that allows the miter gauge face to be set perpendicular to the table.

To Check

1. Set the indexing lever to 0° and engage the spring loaded pin.
2. Tighten the handle and place the miter bar into the miter slot.
3. Use a square to check the perpendicularity of the face to the table. If square, no adjustment is needed.

NOTE: *Check can be made with or without the fence installed.*

Figure 7

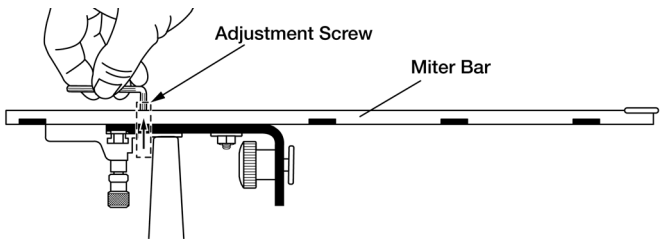


If adjustment is needed:

1. Loosen the handle.
2. Remove the miter bar from the miter slot and flip over.
3. Locate the adjustment screw located on the bottom of the miter bar, adjust with the 3 mm hex wrench (supplied).

NOTE: *If the gap is at the top of the miter gauge face, tighten the adjustment screw. If the gap is at the bottom of the miter gauge face, loosen the adjustment screw.*

Figure 8 -Tighten the handle and recheck. Repeat until square.

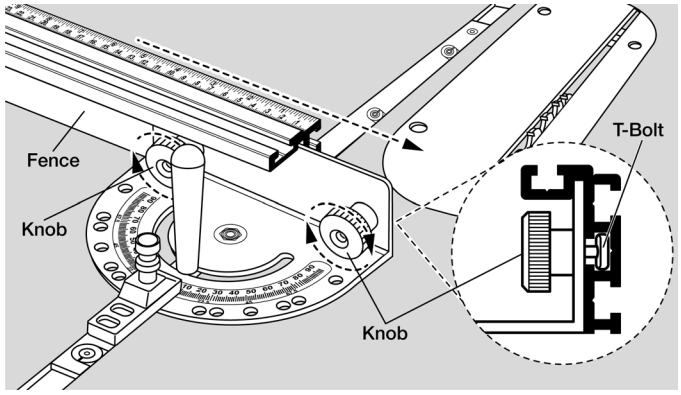


INSTALL THE FENCE

Refer to Figure 9

1. Remove the adhesive backing from the right to left tape measure and press into place. Start on the right end and carefully place the tape along the front edge of the fence.
2. Loosen the two knobs on the back of the miter face and slide the T-bolts into the slot of the fence.
3. Slide fence to the desired position and tighten the two knobs.

Figure 9



INSERT THE FLIP STOP

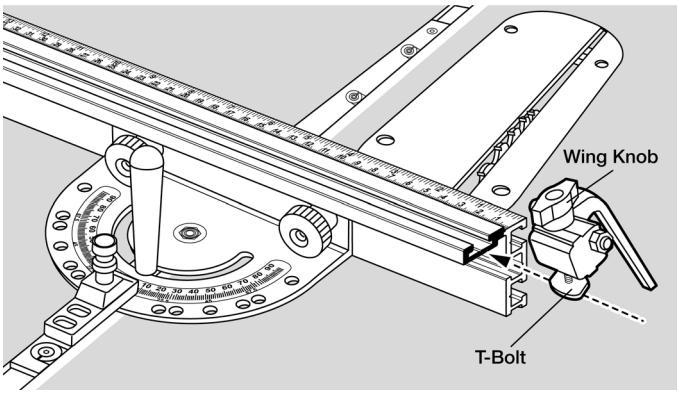
Refer to Figure 10, 11

The 2-1/4" fence flip stop is extremely versatile and quickly converts from inboard to outboard position for a variety of applications. In addition, the flip arm can be moved from right to left to match your feed direction requirements. For the application shown in Figure 10, the flip stop should be preset to the outboard position.

NOTE: *To reduce or eliminate play in the flip stop, hold the outside arm against the fence while tightening the lock knob.*

- Slide the T-Bolt on the bottom of the flip stop into the T-Slot on the top of the front fence. See Figure 10.

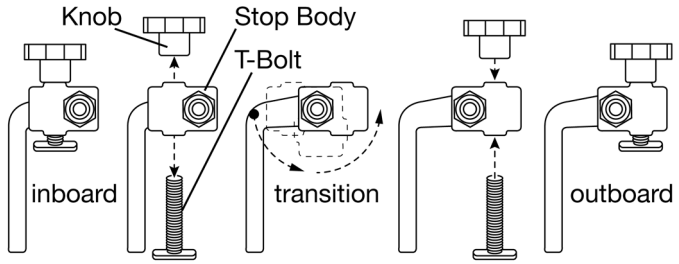
Figure 10



To Convert from Inboard to Outboard Position

Remove the knob and T-Bolt and rotate the stop body 180°. Replace the knob and T-bolt. See Figure 11.

Figure 11



TO USE

- The precision miter gauge system is ready to use.
- Loosen the handle and the small lock knob, lift the indexing lever with the spring loaded pin and rotate the miter head to the desired angle. If the desired angle is a positive stop, allow the pin to drop into the hole for the desired positive stop and tighten lock knob to secure into place. If the desired angle is not a positive stop, tighten the lock knob when the desired angle is hit to secure in place.

NOTE: *The miter gauge is designed to work with the included fence, it can also be used as a conventional miter gauge.*

To Use as a Conventional Miter Gauge

- Remove the fence.
- Remove the knobs and T-bolts from the miter gauge face and place in a safe place for future use. Then use as a conventional miter gauge.

Visit us on the web at **www.powertecproducts.com**

Put these instructions and the original sales invoice in a safe, dry place for future reference.

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