



MODEL T34624 MITER GAUGE INSTRUCTIONS

For questions or help with this product contact Tech Support at (570) 546-9663 or techsupport@grizzly.com

Introduction

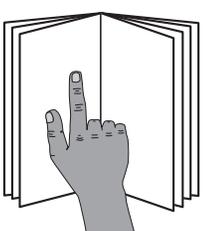
This precision miter gauge has an adjustable miter bar for removing excess clearance and fits 3/4" wide x 3/8" deep miter T-slots. The gauge features a solid steel head and a spring-loaded plunger that engages positive stops at pre-set angles: 0°, 15°, 22.5°, 30°, 45°, 60°, and 75°.

Specifications

Product Weight.....3 lbs.
 Miter Slot Type T-Slot
 Miter Slot Size 3/4" W x 3/8" D
 Angle Range..... 0–75 deg. L/R
 Face Size 7 1/8" W x 2" D
 Fence Mounting Slot Centers..... 3 5/16"
 Miter Bar Length..... 17 3/4"

Inventory

Description	Qty
A. Knob Bolt M8-1.25 x 40.....	1
B. Miter Gauge.....	1
C. Flat Washer 8mm, Plastic (PT24624012) ...	1
D. Hex Wrench 4mm.....	1
E. T-Handle Hex Wrench 5mm.....	1



! WARNING
 To reduce your risk of serious injury, read this entire manual **BEFORE** assembling or using miter gauge.

! WARNING
 Do not use miter gauge in miter slot that does not meet the above specifications. Set screws must be adjusted to ensure snug fit that still allows miter gauge to advance freely in slot. Attempts to force miter gauge during a feeding operation could cause bodily contact with blade, cutter, or abrasive and result in serious personal injury.

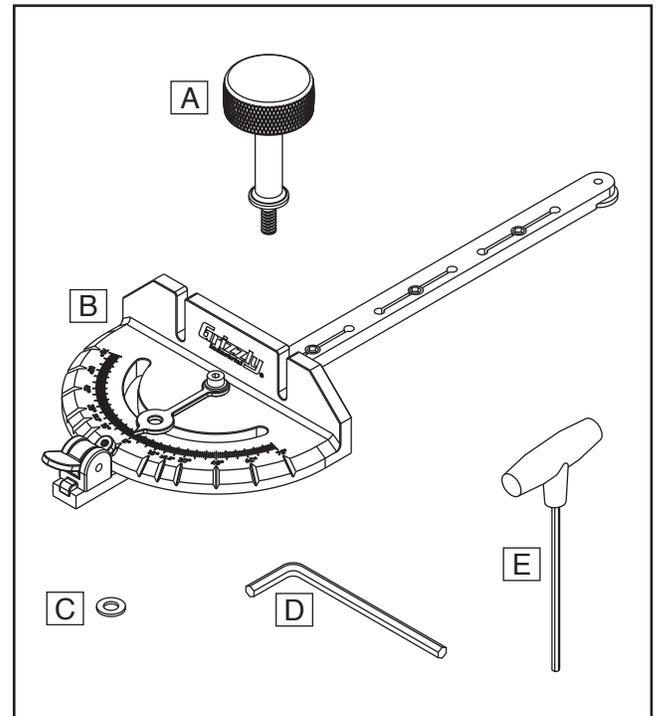


Figure 1. Inventory.

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Keep for Future Reference

Assembly

The Model T34624 must be assembled before it can be used to feed a workpiece on a machine.

To assemble miter gauge:

1. Place 8mm flat washer under pointer hole (see **Figure 2**).
2. Insert knob bolt through pointer hole, flat washer hole, and angle slot, then thread knob bolt into miter bar, as shown in **Figure 2**.

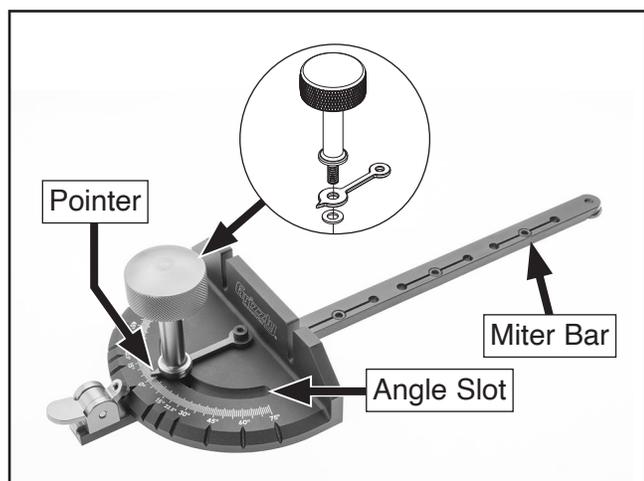


Figure 2. Knob bolt threaded into miter bar.

Attaching Sacrificial/Auxiliary Fence

There are two slots in the face of the miter gauge to allow you to attach a sacrificial or auxiliary fence for added workpiece support and to minimize tearout.

Items Needed

	Qty
Straight, Smooth Stock.....	As Needed
Pencil or Marker	1
Mounting Hardware	As Needed
Power Drill	1
Drill Bits for Countersinking.....	As Needed

To attach sacrificial/auxiliary fence:

1. Select piece of straight and smooth stock of desired height and width that can be attached securely to miter gauge face.

2. Position board against face of miter gauge and use slots shown in **Figure 3** to mark mounting holes.

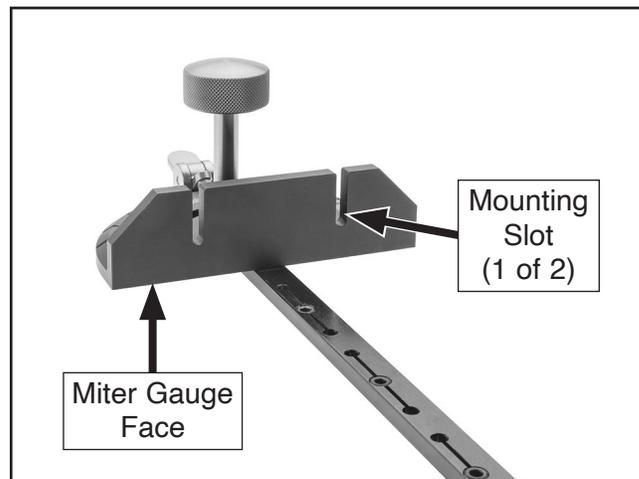


Figure 3. Auxiliary fence mounting slots.

3. Drill countersunk mounting holes in board so fasteners (not included) can be used to secure fence to miter gauge (see **Figure 4**).

Note: Drilling these holes is a two-step process. Drill first holes all the way through board with a diameter slightly larger than shaft of mounting screw. Drill second holes halfway through board with a diameter slightly larger than screw head. Drill these second holes deep enough that screw heads will be well below surface of board.

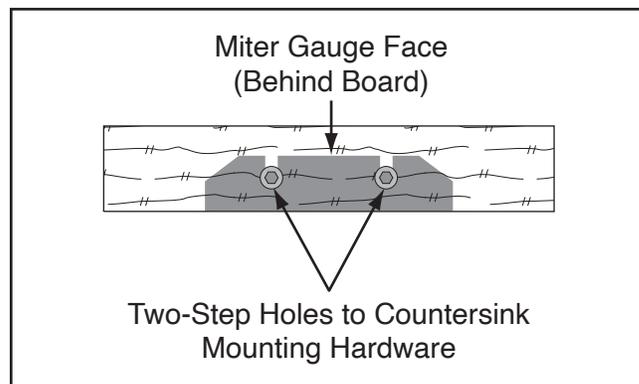


Figure 4. Location of countersunk mounting holes.

4. Secure auxiliary fence to miter gauge.

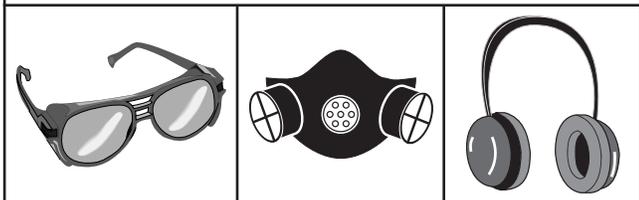


Using Miter Gauge

The Model T34624 can be installed in the T-slot of a table saw, bandsaw, shaper, router table, sander, etc., to smoothly feed workpieces across the table. Before use, adjust the miter bar to fit snugly in the slot of the machine table.

!WARNING

Eye, lung, or ear injuries can occur while operating woodworking machinery. Wear personal protective equipment to reduce your risk from these hazards.



!WARNING

• To reduce risk of cuts, amputation, or death while using miter gauge:

- DO NOT use miter gauge with rip fence when cutting on table saw.
- Keeps hands and body parts away from blades, cutters, or abrasives.
- Test operation setup for interference before connecting machine to power.
- Feed miter gauge against cutter, blade, or abrasive rotation and feed workpiece completely through operation.
- Hold workpiece firmly against miter gauge while feeding and make sure workpiece is flat and stable against miter gauge.
- Ensure angle lock knob is tight before performing any feeding operation.

To use miter gauge:

1. Place miter bar in table miter slot to check how miter bar moves through slot (see **Figure 5**).
2. Adjust (3) set screws shown in **Figure 5** until miter bar will move snugly and smoothly through miter slot.
 - Tighten screws to expand miter bar width for a more snug fit in miter slot.

- Loosen screws to shrink miter bar width for a less snug fit in miter slot.

IMPORTANT: Do not adjust screws so much that they project out of bottom of miter bar. This could cause miter gauge to catch or stop unexpectedly while feeding.

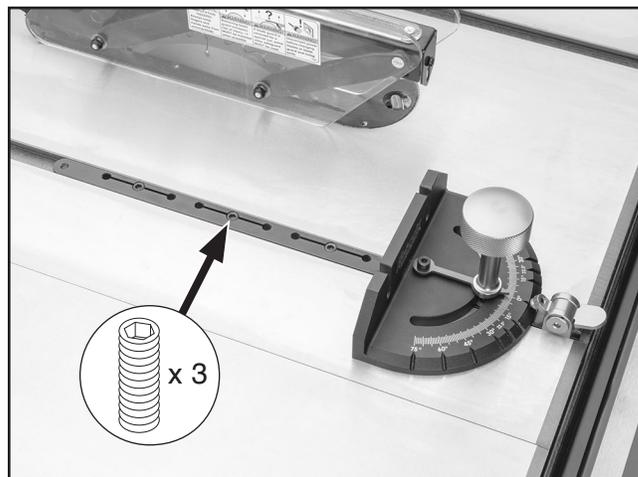


Figure 5. Miter bar in table miter slot.

3. Loosen angle lock knob, then press stop lever to disengage stop plunger (see **Figure 6**).
4. Rotate miter gauge until pointer (see **Figure 6**) indicates desired angled, then tighten angle lock knob.
 - If desired angle is one of the pre-set stops, release stop lever and fully engage stop plunger before tightening angle lock knob.

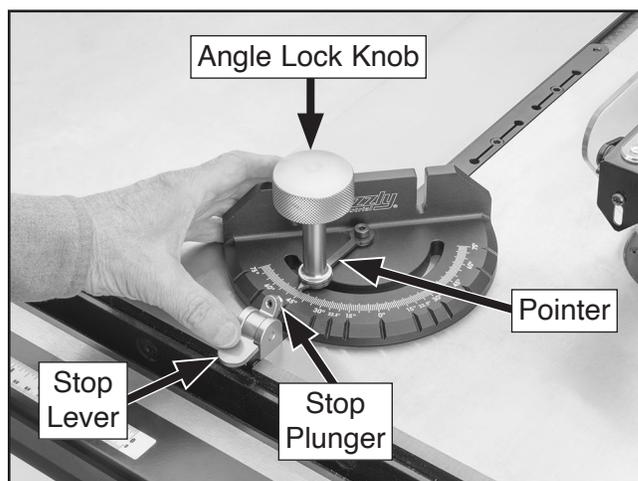
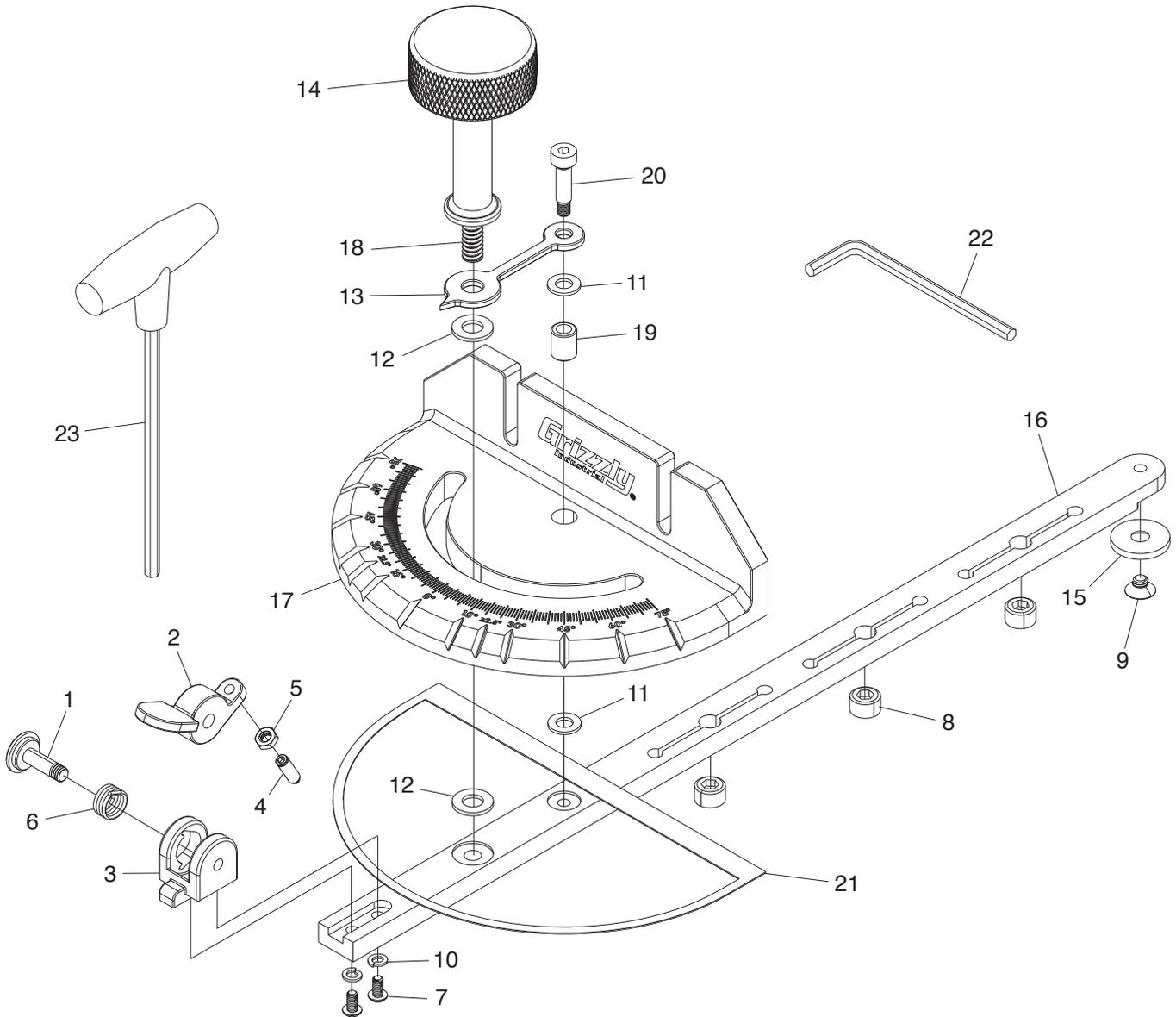


Figure 6. Angle adjustment components.

5. Place workpiece firmly against miter gauge face (or fence), then proceed with feeding operation.



T34624 Parts Breakdown & List



REF PART #	DESCRIPTION
1	PT34624001 AXIS PIN
2	PT34624002 STOP LEVER
3	PT34624003 STOP MOUNT
4	PT34624004 SPRING PLUNGER M5-.8 X 12 BALL-NOSE
5	PT34624005 HEX NUT M5-.8 THIN
6	PT34624006 TORSION SPRING
7	PT34624007 BUTTON HD CAP SCR M4-.7 X 8
8	PT34624008 SET SCREW 1/8"PT X 1/4
9	PT34624009 FLAT HD CAP SCR M6-1 X 8
10	PT34624010 LOCK WASHER 4MM
11	PT34624011 FLAT WASHER 6MM PLASTIC
12	PT34624012 FLAT WASHER 8MM PLASTIC

REF PART #	DESCRIPTION
13	PT34624013 POINTER
14	PT34624014 ANGLE LOCK KNOB
15	PT34624015 T-SLOT WASHER 8 X 23 X 3MM
16	PT34624016 MITER BAR
17	PT34624017 MITER GAUGE
18	PT34624018 SET SCREW M8-1.25 X 40
19	PT34624019 BUSHING 6 X 10 X 12MM
20	PT34624020 SHOULDER SCREW M6-1 X 7, 6 X 18
21	PT34624021 FRICTION PAD
22	PT34624022 HEX WRENCH 4MM
23	PT34624023 T-HANDLE HEX WRENCH 5MM

Please Note: We do our best to stock replacement parts whenever possible, but we cannot guarantee that all parts shown here are available for purchase. Call (800) 523-4777 or visit our online parts store at www.grizzly.com to check for availability.

