Precision
Miter Gauge System
OWNER'S MANUAL
GUIDE D'UTILISATION
MANUAL DEL PROPIETARIO

Item# KMS7102
Item# KMS7101
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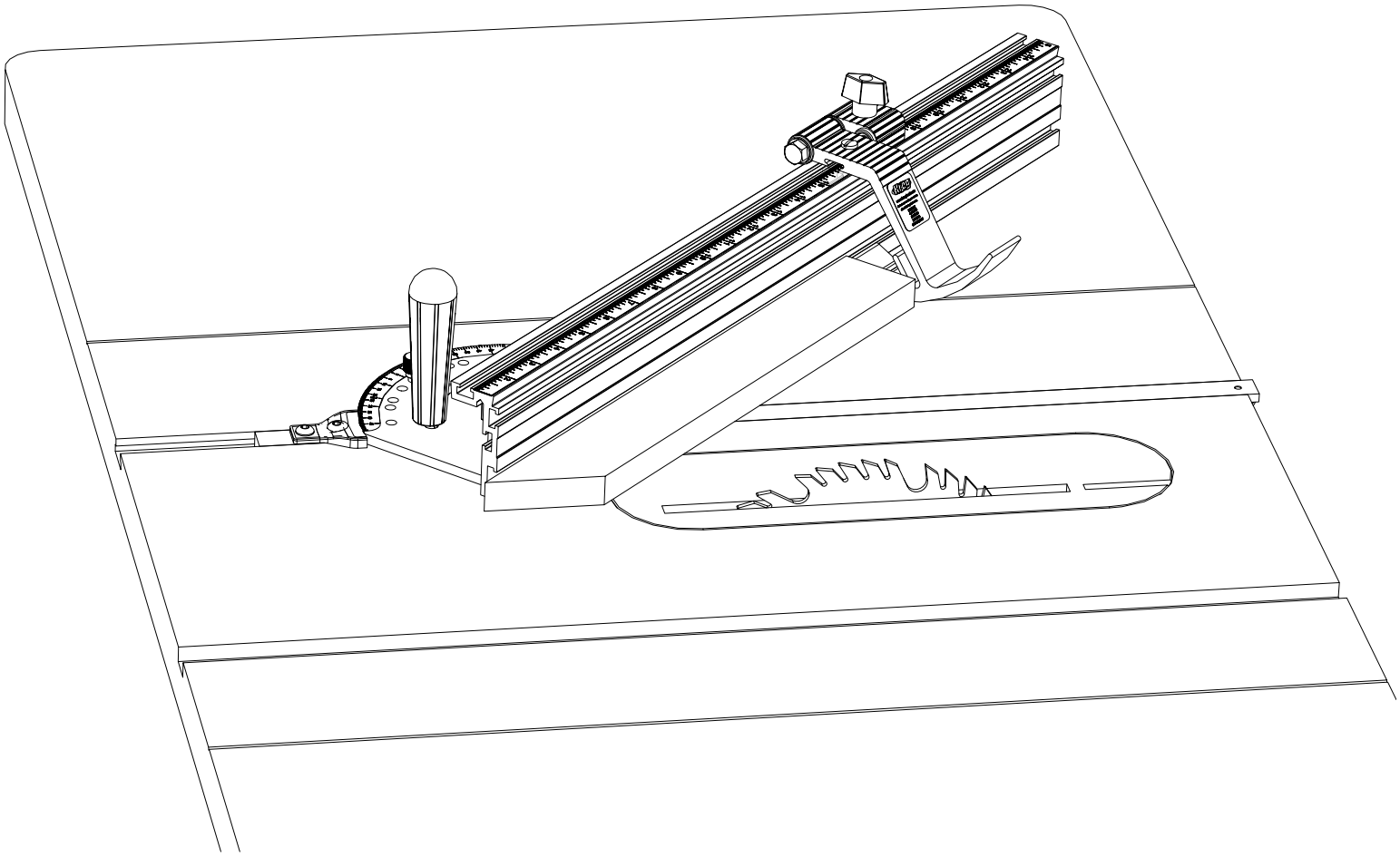


FT4032
Version 4 - 06/2018

Safety Guidelines

⚠ **WARNING!** **To reduce the risk of injury, user must read the instruction manual.**

⚠ **WARNING!** **Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.**

SAVE THESE INSTRUCTIONS

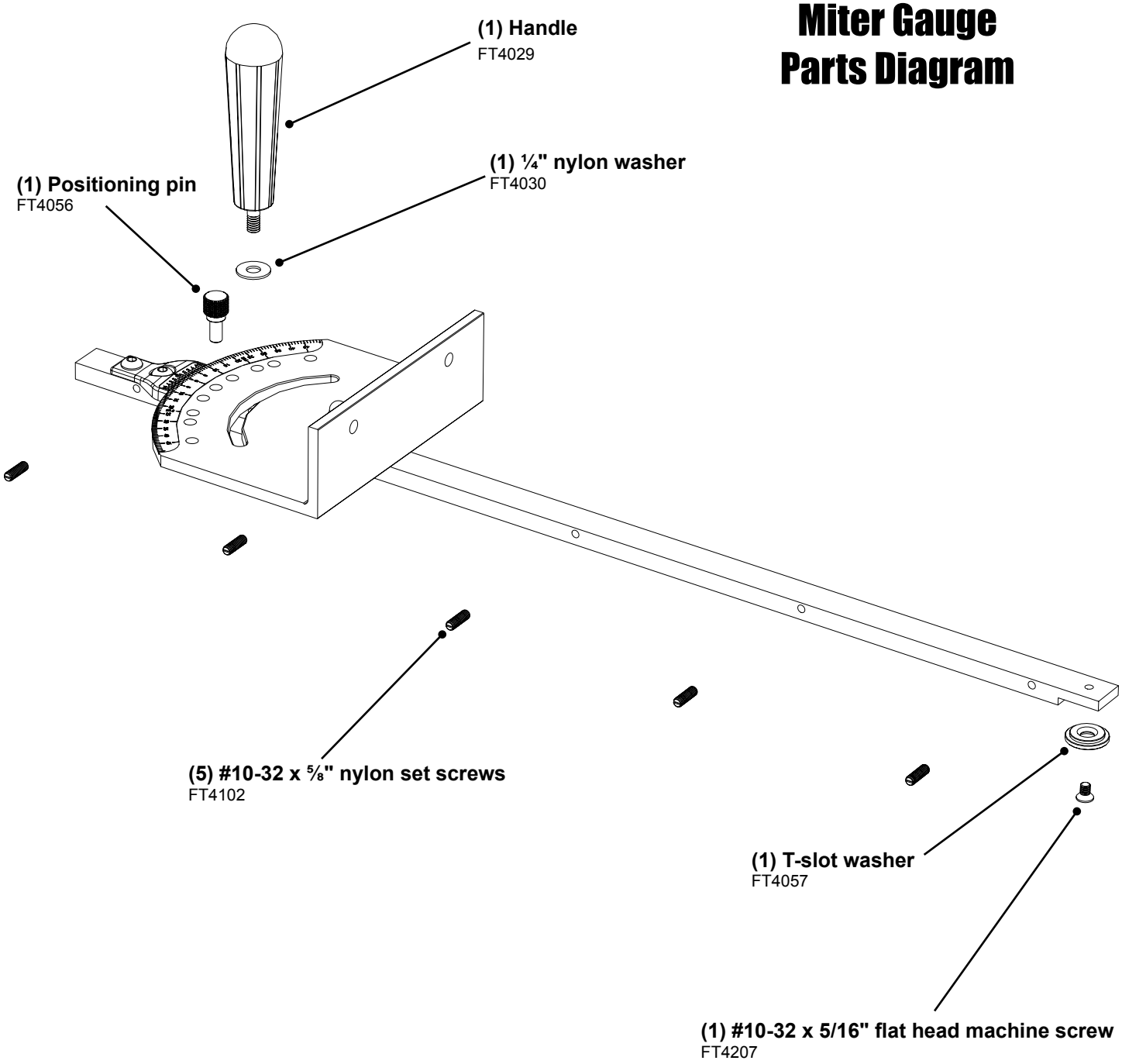
1) **Work area safety**
   a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
   b) **Don't use power tools in a dangerous environment.** Don't use power tools in damp or wet locations, or expose them to rain.
   c) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
   d) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.
   e) **Make your workshop child proof** with padlocks, master switches, or by removing starter keys.
2) **Electrical safety**
   a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
   b) **Ground electric tools. If the tool is equipped with a three-prong plug, it should only be plugged into a grounded three-hole electrical outlet.** If the proper outlet is not available, have one installed by a qualified electrician. N ever remove the third prong or modify the provided plug in any way.
   c) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded
   d) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
   e) **Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.** Damaged or entangled cords increase the risk of electric shock.
   f) **Use a proper extension cord and make sure it is in good condition.** When using an extension cord, be sure to use one heavy enough to carry the current your machine draws. An undersized cord causes a drop in line voltage resulting in loss of power and overheating. When operating a power tool outdoors, use an extension cord suitable for outdoor use.
3) **Personal safety**
   a) **Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. Do not allow familiarity gained from frequent use of a tool to replace safe work practices.** A moment of inattention while operating power tools may result in serious personal injury.
   b) **Always wear safety glasses.** Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
   c) **Use safety equipment.** Use a face or dust mask when the cutting operation is dusty. Safety equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions reduces personal injuries.
   d) **Avoid accidental starting. Ensure the switch is in the off-position before plugging in.** Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
   e) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
   f) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
   g) **Secure workpieces.** Use clamps or a vise to hold work when practical. This is safer than using your hand and it frees both hands to operate the tool.
   h) **Never stand on the machine.** Serious injury could occur if the tool tips or if the cutting tool is unintentionally contacted.
   i) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
   j) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.
4) **Power tool use and care**
   a) **Keep guards in place, properly adjusted, and in working order.**
   b) **Do not force the power tool. Use the correct power tool for your application.** The tool will do the job better and safer at the feed rate for which it was designed.
   c) **Use the right tool or accessory.** Don't a force tool or attachment to do a job for which it was not designed.
   d) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
   e) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
   f) **Never leave tool running unattended. Turn power off.** Don't leave tool until it comes to a complete stop.
   g) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
   h) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect power tool operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
   i) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
   j) **Use the recommended speed for the cutting tool or accessory and workpiece material.**
   k) **Only use parts and accessories recommended by the manufacturer.** Consult the owner's manual for recommended accessories. Using improper accessories may cause personal injury.
   l) **Use the power tool, accessories, bits, and blades in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
5) **Avoid kickback when operating your power tool. Kickbacks can cause serious injury, property damage, or death.**
   A kickback usually occurs when the workpiece or cut-off piece binds or becomes trapped between a spinning blade or bit and the machine fence and is violently ejected. To avoid kickback:
   a) **Always use a sharp blade or bit.**
   b) **On a tablesaw, ensure that both the saw blade and rip fence are parallel to the miter-gauge slots.** See your tablesaw owner's manual for instructions on making these adjustments.
   c) **Plan your tablesaw cuts to avoid binding.** Never use the rip fence and the miter gauge at the same time to support a workpiece. The cut-off can bind and kick back.
   d) **Never cut freehand.** The workpiece should always be supported by either the miter gauge or the machine fence, but not both.
   e) **Use hold-downs, featherboards, push sticks, and push blocks where appropriate to guide the workpiece during the cut.** These accessories protect your hands from injury.
   f) **When using a featherboard while making through cuts on a tablesaw, always position the featherboard on the in-feed side and at least 2" in front of the blade.**
   g) **Never position a featherboard adjacent to or on the out-feed side of a blade or bit, or in any configuration that would cause the workpiece or waste to be pushed into or pinch the blade or bit.** Positioning a featherboard in this manner can cause the workpiece or waste to kick back, resulting in serious personal injury.
6) **Service**
   a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
7) **Additional safety rules for the Precision Miter Gauge System**
   a) **Read this manual and these safety guidelines. Follow the manufacturer's safety guidelines for the tool on which you are using this accessory.** Learn the applications and limitations of the tool as well as the hazards specific to it. Operating the power tool before understanding safe and proper use could result in personal injury.
   b) **Ensure that the handle is tight and the fence extrusion T-knobs are secure prior to starting the power tool.**
   c) **Keep hands away from a moving blade or bit when operating the machine.** Never reach near a moving blade or bit to clear debris. Turn off the power tool and wait for the blade or bit to come to a complete stop.
   d) **Always support long boards on both the infeed and the outfeed ends.**
   e) **Always securely hold workpieces against the machine table and miter gauge or fence.**
   f) **This miter-gauge system is designed for a specific application. Do not modify and/or use it for any other application.** If you have questions about the miter gauge, DO NOT use it until you contact Kreg Tool Company and receive advice.

⚠ **WARNING:** This product can expose you to chemicals including Acrylonitrile and other chemicals, which are known to the State of California to cause cancer and reproductive harm. For more information go to www.P65Warnings.ca.gov.

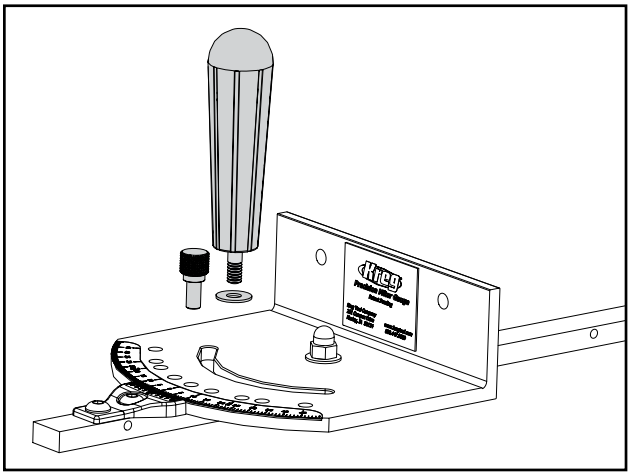
Assembly - Miter Gauge

ATTENTION These instructions show how to assemble the Precision Miter Gauge System for use on the left-hand side of the blade. To use the Precision Miter Gauge on the right-hand side of the blade, assemble the Swing Stop™ to be the mirror image of the one shown in the Swing Stop™ drawing. You can use the measuring tape included with the miter gauge on the right side of the blade by installing it to read upside down so that measurements from the blade read left to right. To purchase a left-to-right reading version of the measuring tape, contact Customer Service at 1-800-447-8638.

Miter Gauge Parts Diagram

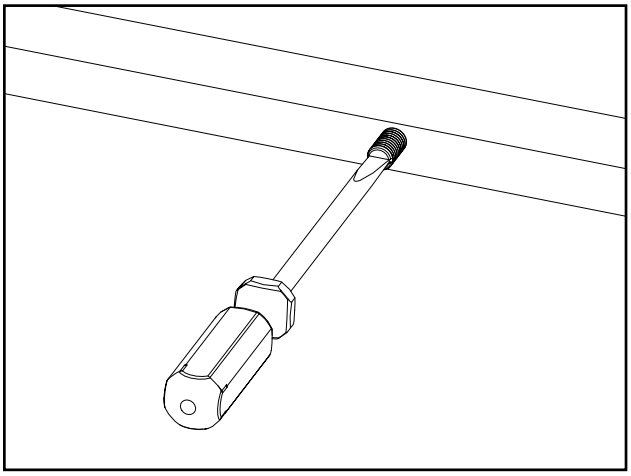


Assembly - Miter Gauge



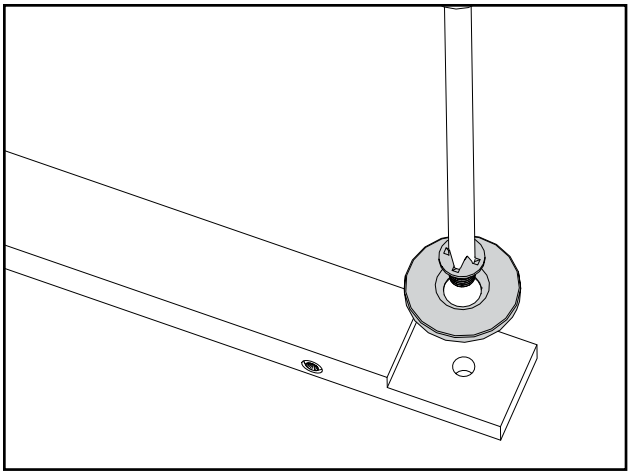
Install the miter-gauge handle

Set the miter-gauge angle to zero and insert the positioning pin into the zero-angle positive-stop hole. Slip the ¼" nylon washer onto the threaded stud on the handle and thread the handle into the guide bar. Tighten the handle.



Adjust the guide bar

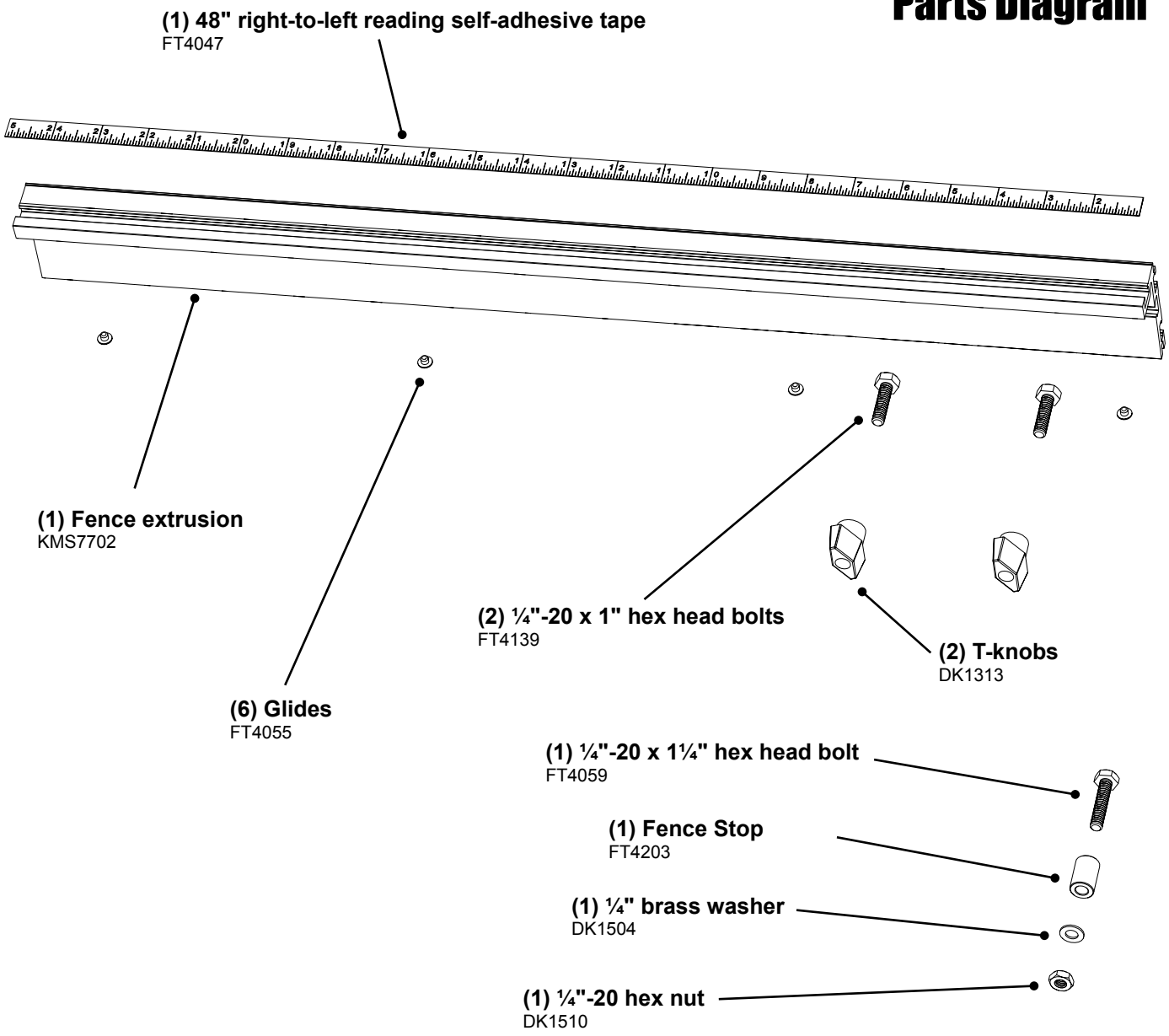
Using a small, flat-blade screwdriver, thread five #10-32 x ⅝" nylon set screws into the holes in the side of the guide bar. Drive all of them from the same side until they just start to project from the opposite side. Test-fit the miter gauge in your saw miter slot. Adjust each screw, removing and replacing the miter gauge as necessary, until the miter gauge slides smoothly all along the miter slot without any side-to-side play.

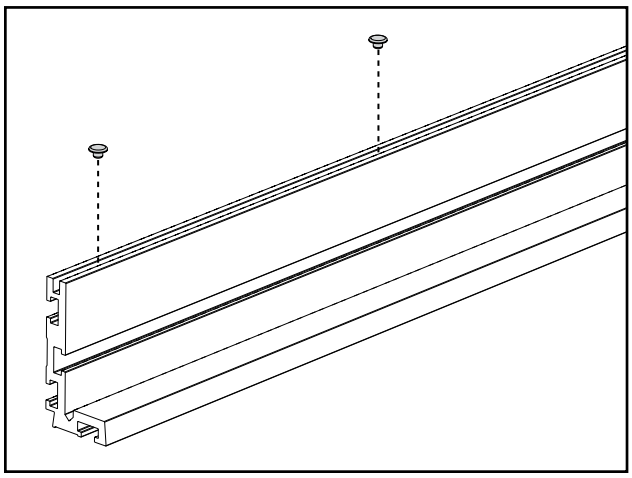


Attach the T-slot washer (for saws with T-profile miter-gauge slots only)

For a saw with a T-shaped miter-gauge slot, fasten the T-slot washer to the bottom face of the notch at the leading end of the guide bar with the #10-32 x 5/16" flathead machine screw. Tighten the screw, being careful not to strip the threads in the aluminum bar.

Fence Assembly Parts Diagram

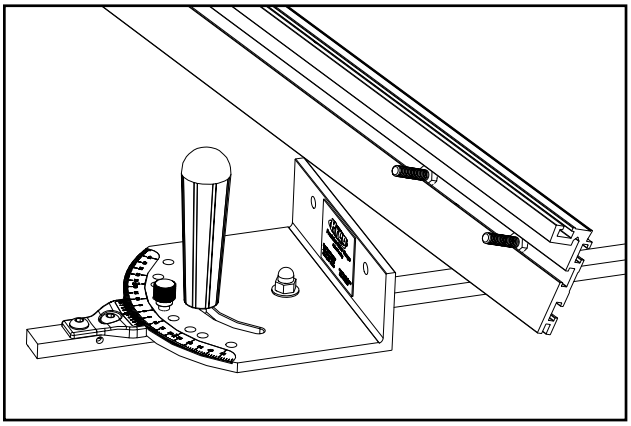




Install the fence glides

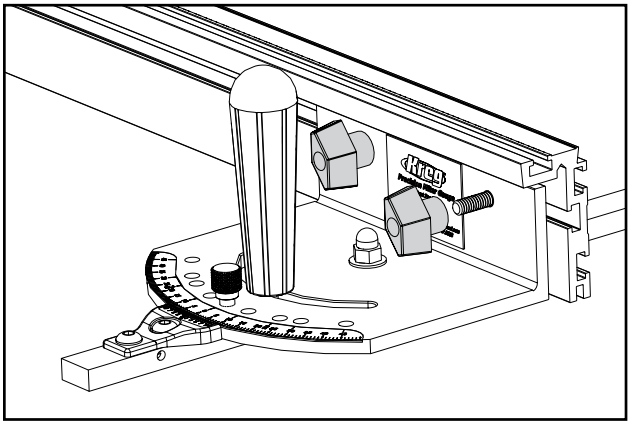
Press the four plastic glides into the groove in the bottom of the fence, placing one about 1" from each end and the other two spaced evenly between them.

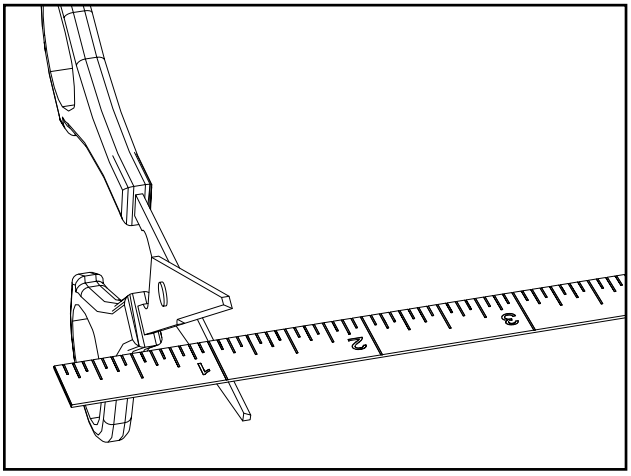
Assembly - Fence



Attach the fence to the miter-gauge head

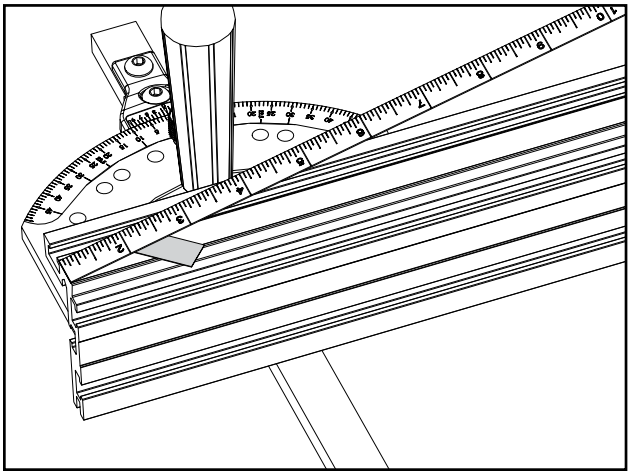
Slide the heads of two ¼"-20 x 1¼" hex head bolts into the T-slot in the back of the fence. Insert the bolts into the holes in the face of the miter gauge head. Thread on the T-knobs. You'll fine-tune the fence position later.





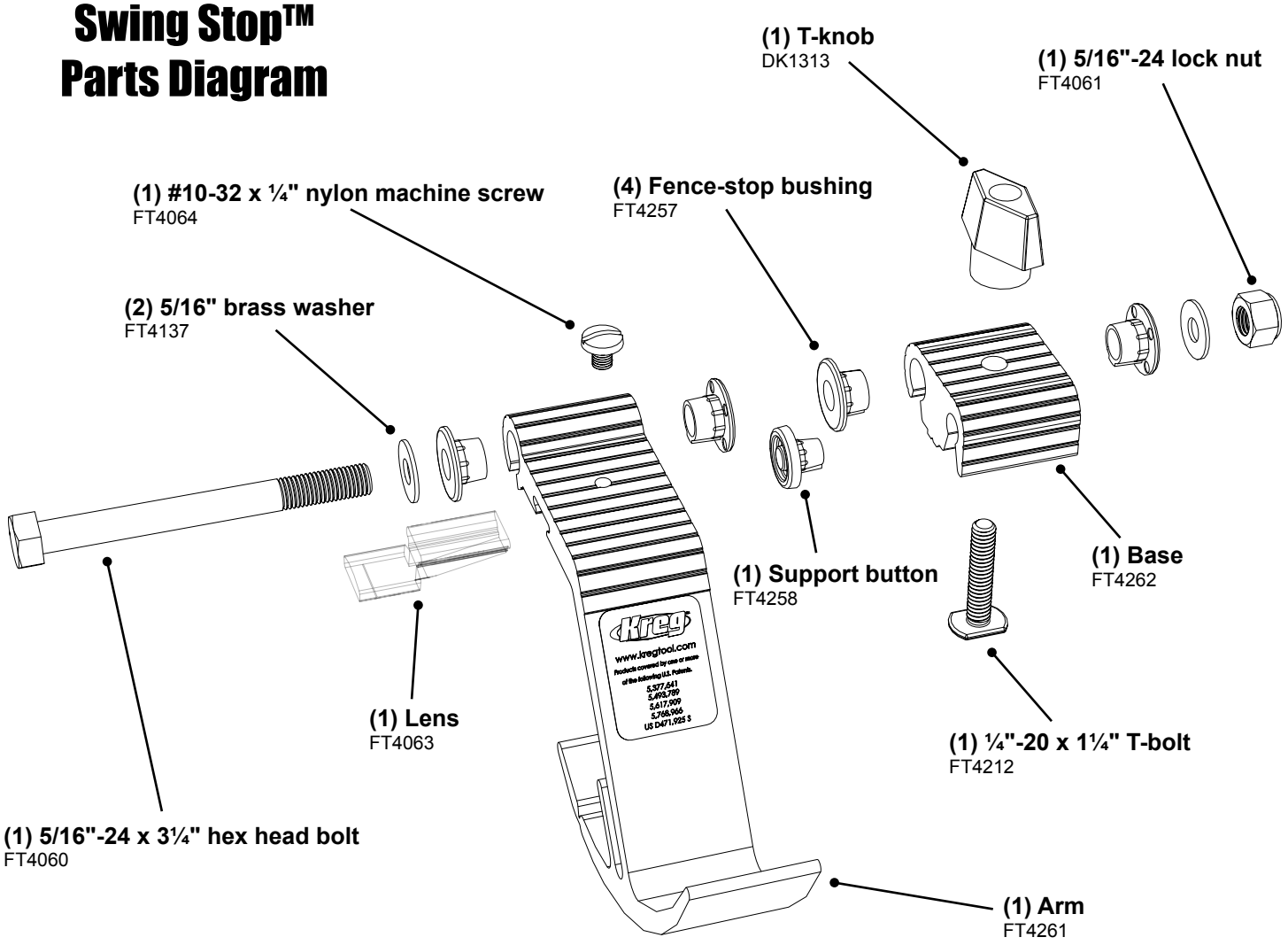
Adhere the measuring tape

Before installing the self-adhesive measuring tape, make sure the shallow groove in the top of the fence is clean and dry. To hold the miter gauge steady while you install the tape, place the miter gauge in the saw miter-gauge slot. Cut the tape at the 1" mark and the 25" mark using sturdy scissors or metal snips.



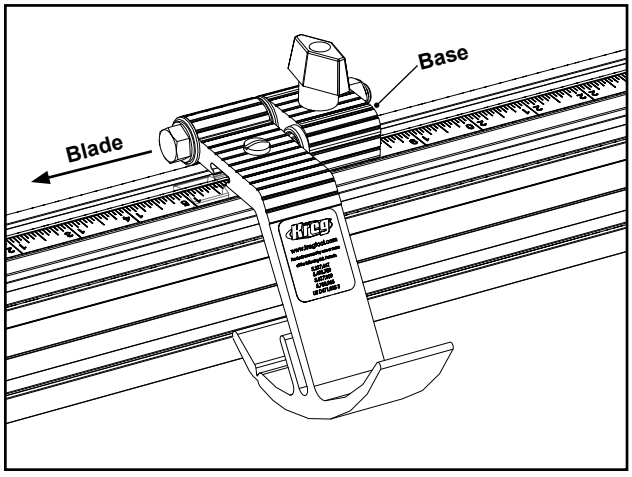
Peel the backing from the 1" end of the measuring tape, exposing about one inch of the adhesive. Fold the backing so it protrudes from the tape at an angle. Align the tape 1" mark with the right-hand end of the fence (the end nearest to the saw blade) and press the tape into the shallow groove in the rail. With the first inch of tape adhered, pull the backing from under the tape, pressing the tape into the groove as you continue to remove the backing. Should you attach the scale in the wrong position, immediately remove and reposition it, and then firmly press it in place.

Swing Stop™ Parts Diagram



Assemble the stop

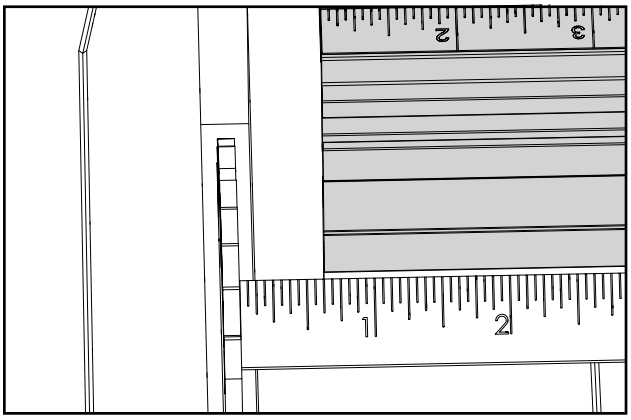
Referring to the drawing *above*, assemble the Swing Stop™. When installing the 5/16"-24 x 3¼" hex head bolt that joins the arm to the base, tighten the lock nut enough to eliminate side-to-side play but still allow the arm to move freely. (Raise and release the arm. It should fall slowly.) When installing the lens cursor, position the red line about ⅜" from edge of the arm.



! ATTENTION

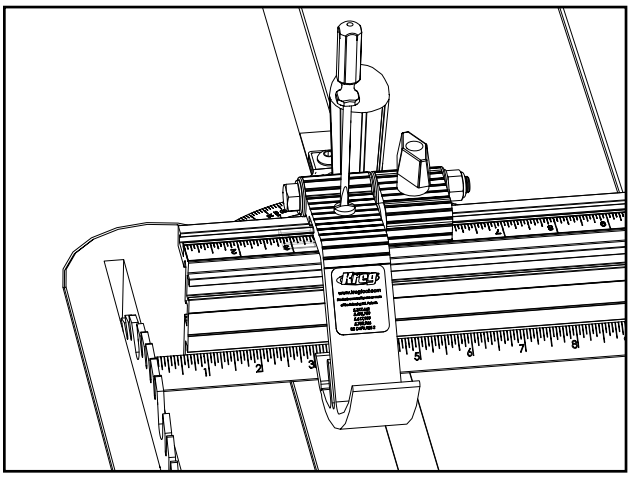
Assemble the Swing Stop™ with the arm on the blade or bit side of the base.

Assembly - Swing Stop™



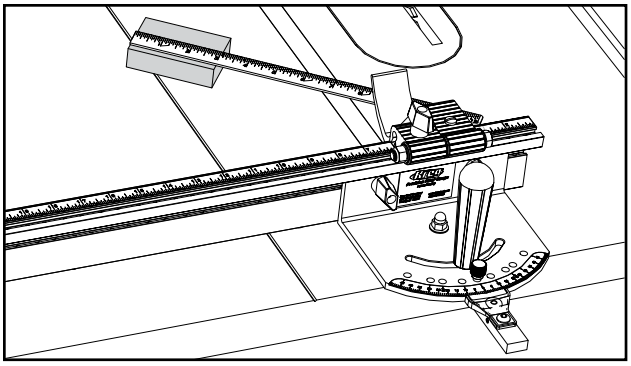
Position the fence and calibrate Swing Stop™

With the miter gauge in place on your machine (a tablesaw in this example) ensure that the guide bar slides easily in the miter-gauge slot without side-to-side play. Disconnect the tablesaw from power and raise the blade. Loosen the two T-knobs that secure the fence to the head, and position the end of the fence ⅝” from the saw blade. Tighten the knobs. Loosen the handle, remove the positioning pin, and rotate the miter-gauge head in both directions to make sure the fence does not contact the blade. If there is interference, loosen the T-knobs and slide the fence away from the blade. Return the miter-gauge head to the zero-degree position, insert the positioning pin, and tighten the handle.

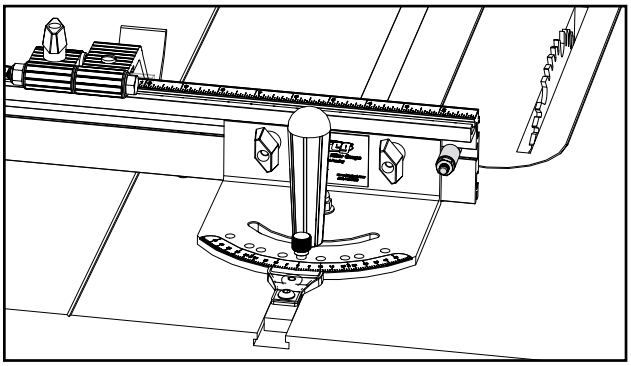


Use a steel shop ruler (one with the zero mark flush with the end) to position the stop arm 3" from the blade. Let the blade teeth graze the end of the ruler. (Do not use the cursor and measuring tape to position the stop arm.) Tighten the stop T-knob.

Loosen the nylon machine screw that secures the lens cursor to the arm and position the lens with the red line exactly over the 3” mark on the measuring tape. Tighten the nylon screw.



Make a test cut to confirm the 3" length. Adjust the cursor position as necessary and make another test cut.



To install the fence stop, slide the head of the ¼"-20 x 1¼" hex head bolt into the T-slot in the back of the fence on the side of the miter-gauge head closest to the blade. Slip the fence-stop bushing over the bolt and thread on the hex nut. Slide the fence stop against the edge of the miter-gauge head and tighten the nut. Now you can reposition the fence, for example moving the fence closer to the blade to support a workpiece when making an angled cut, and return it to perfect calibration for right-angle cuts simply by repositioning the fence with the stop against the edge of the miter-gauge head.

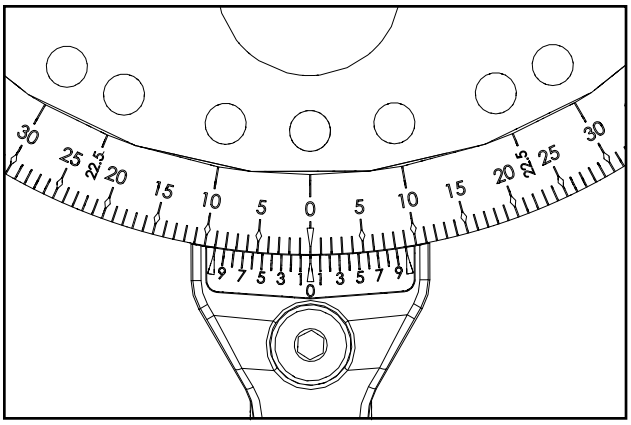
! ATTENTION - Bevel Cuts

Any time the blade is tilted toward the miter gauge, always check to see if any part of the miter gauge contacts the blade before turning on the saw. If there is interference, move the fence away from the blade. This may require removing the fence stop and then recalibrating the fence after making the bevel cut.

Using the Miter Gauge

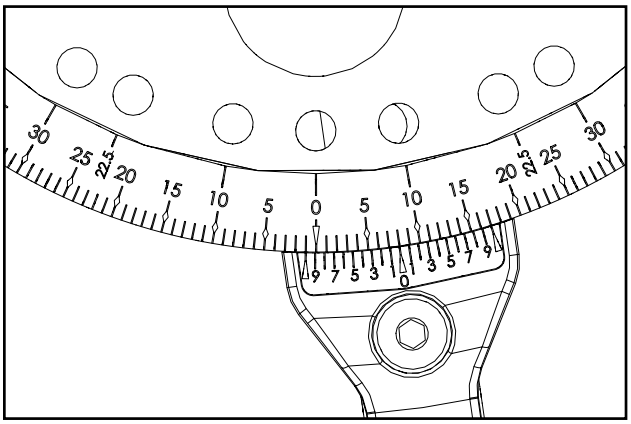
Adjusting the miter gauge to pre-set angles

The miter gauge head features positive stops at 0, 10, 22½, 30, and 45 degrees. To use these stops, simply loosen the handle, remove the positioning pin, rotate the miter-gauge head to the desired angle, drop the positioning pin in place, and tighten the handle.



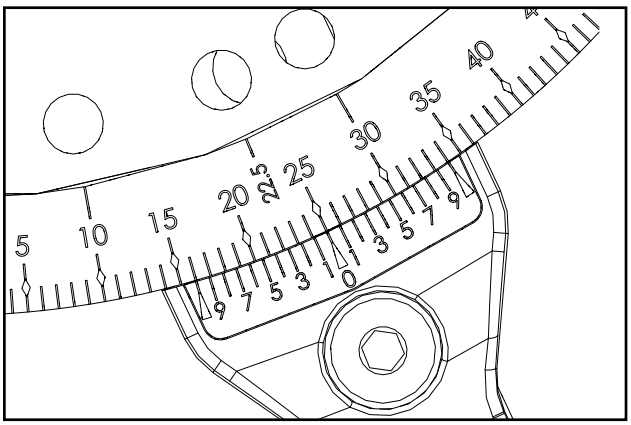
1. Setting fractional angles

The miter gauge is equipped with an upper scale that measures angles in whole degrees and a lower Vernier scale that measures angles in 1/10th-degree fractions. These scales allow you to set whole-degree angles and any 1/10th-degree fraction between.



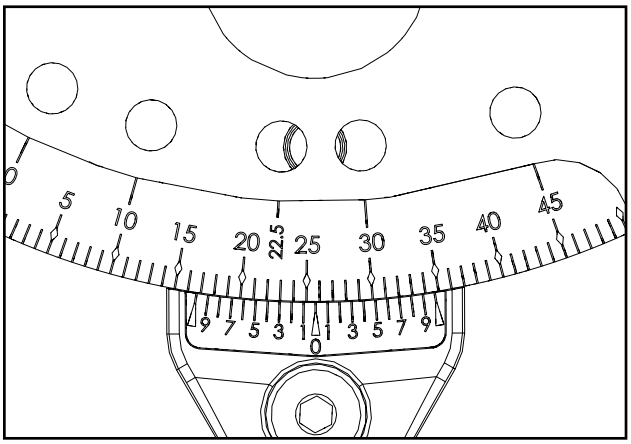
2. Setting fractional angles

To set a whole-degree angle, line up the degree mark on the upper scale with the zero arrow on the Vernier scale, and tighten the handle.



3. Setting fractional angles

To set an angle between whole degrees (25.7 degrees in this example), rotate the miter-gauge head until the arrow on the Vernier scale lines up with the whole degree mark. (In this example, we rotate the head clockwise.)



4. Setting fractional angles

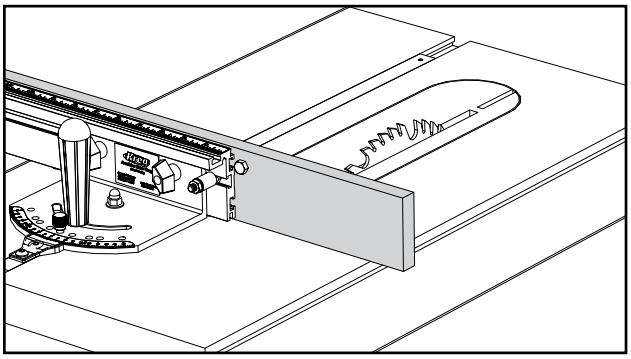
To arrive at the 25.7-degree setting, locate the “7” to the right of zero on the Vernier scale. Continue rotating the miter-gauge head clockwise until the desired 1/10th-degree mark on the Vernier scale aligns with the nearest whole-degree mark on the upper scale. (In this example, the “7” mark on the Vernier scale aligns with the “32” on the upper scale.)

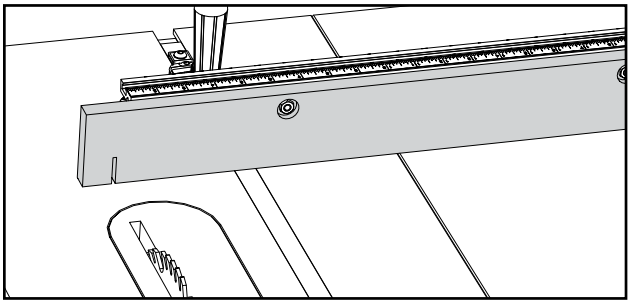
Note: When rotating the miter gauge head clockwise, use the 1/10th-degree scale to the right of zero on the Vernier scale. When rotating counterclockwise, use the 1/10th-degree scale to the left of zero.

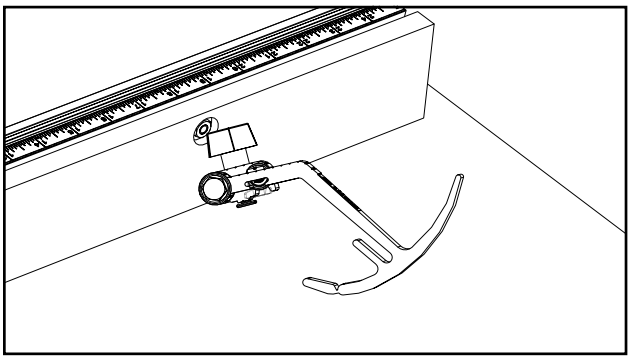
Using the Miter Gauge

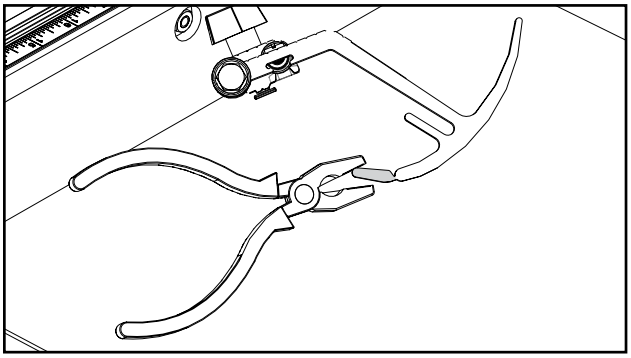
Using shop-built accessories with your miter gauge

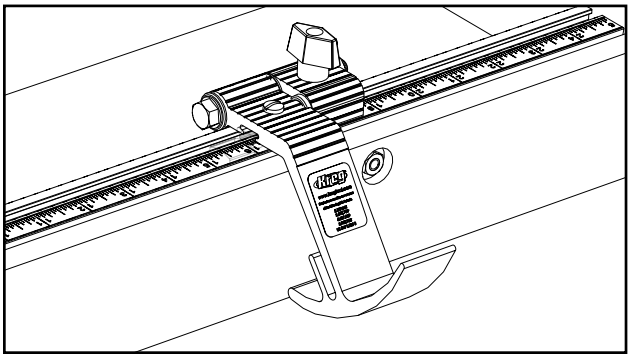
The T-slots along the length of the fence allow you to attach auxiliary fences, custom shop-made stops, or other jigs and fixtures using standard ¼" hex head bolts. You also can use ¼" toilet-flange bolts available from hardware stores or home centers.











Adding an auxiliary fence

An auxiliary fence provides a renewable surface that can be extended beyond the path of the blade to support a workpiece, resulting in smooth crosscuts with minimum chipping. The auxiliary fence must be ¾" thick, 2⅝" high, and any length that suits your application, and can be made from solid wood, plywood, particleboard, or medium-density fiberboard (MDF). Attach the auxiliary fence with 1/4"-20 x ¾" hex head bolts, ¼" washers, and nuts. Drill ¼" holes with ¾" counterbores 11/16" deep. The auxiliary fence can be repositioned or replaced without effecting the Swing Stop™ calibration.

! ATTENTION

To use the Swing Stop™ with an auxiliary fence, you must modify the stop arm so it properly seats against the fence when lowered, as shown in this section. Once the stop arm has been altered, it must be used with an auxiliary fence. The stop will not work correctly if used without the auxiliary fence.

Modifying the stop arm for an auxiliary fence

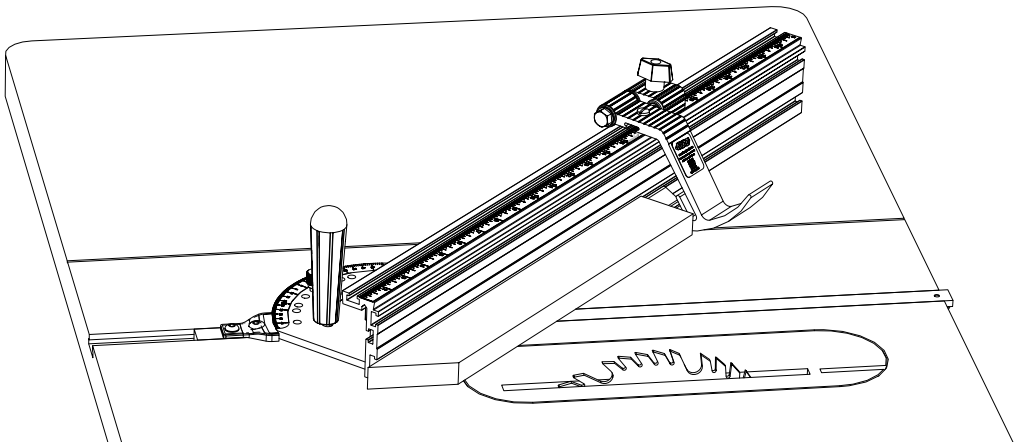
A groove (break line) is incorporated into the stop arm to provide a simple means to shorten this portion of the Swing Stop™ for use with a ¾”-thick auxiliary fence. If you intend to use an auxiliary fence, remove the breakaway section of the arm, as shown.

Three Simple Steps

1. Firmly hold the stop arm in your hand or a vise.

2. Use pliers to grip the breakaway portion of the stop arm and snap off this piece.

3. File or sand the rough edge smooth.



WARRANTY

KREG PRECISION MITER GAUGE SYSTEM

Kreg Tool Company products are warranted to be free of defects in materials and workmanship for a period of one (1) year from the date of delivery to the original purchaser. This warranty is extended only to the original purchaser and covers only Kreg products purchased directly from Kreg Tool Company and its authorized distributors. During the warranty period, Kreg Tool Company, at its option, will repair or replace any product or component part thereof proving defective. This warranty applies only to products used in accordance with proper operation, maintenance, and safety procedures set forth in catalogs, manuals, and other instructional materials furnished by Kreg Tool Company.

This warranty is in effect only if the warranty registration card included with the product is fully and properly completed and returned to Kreg Tool Company within ten (10) days from the date of delivery to the original purchaser.

This warranty is null and void if the product has been subjected to (1) neglect, improper service, or improper storage; (2) misuse, abuse, accident, or other circumstances beyond Kreg Tool Company control; and (3) modification, alteration, tampering, disassembly, or repairs executed outside of the Kreg Tool Company factory or not authorized by Kreg Tool Company. This warranty does not cover normal wear and tear, corrosion, abrasion, or damage due to natural causes or acts of God.

To obtain warranty service, contact the distributor from whom you purchased your Kreg product or contact Kreg Tool Company directly. Proof of purchase is required to secure remedy under the terms of this warranty. Kreg Tool Company assumes no responsibility for products returned without prior authorization. Kreg Tool Company obligations under this warranty shall be exclusively limited to repairing or replacing products determined to be defective upon delivery to and inspection by Kreg Tool Company. Under no circumstance shall Kreg Tool Company be liable for incidental or consequential damages resulting from defective products, nor shall Kreg Tool Company liability exceed the purchase price of the product.

This constitutes Kreg Tool Company's sole warranty. Any and all other warranties implied by law, including any warranties for merchantability or fitness for a particular purpose, are hereby limited to the duration of this warranty. Kreg Tool Company shall not be liable for any loss, damage or expense directly or indirectly related to the use of Kreg products or from any other cause or for consequential damages including without limitation, loss of time, inconvenience, and loss of production. The warranty contained herein may not be modified and no other warranty, expressed or implied, shall be made by or on behalf of Kreg Tool Company.

The following information will be useful in the event warranty service is required.

Date of Purchase: ____/____/____

Purchased From: _____

Keep a copy of your purchase invoice with this form.

Kreg Tool Company 201 Campus Drive Huxley, IA 50124