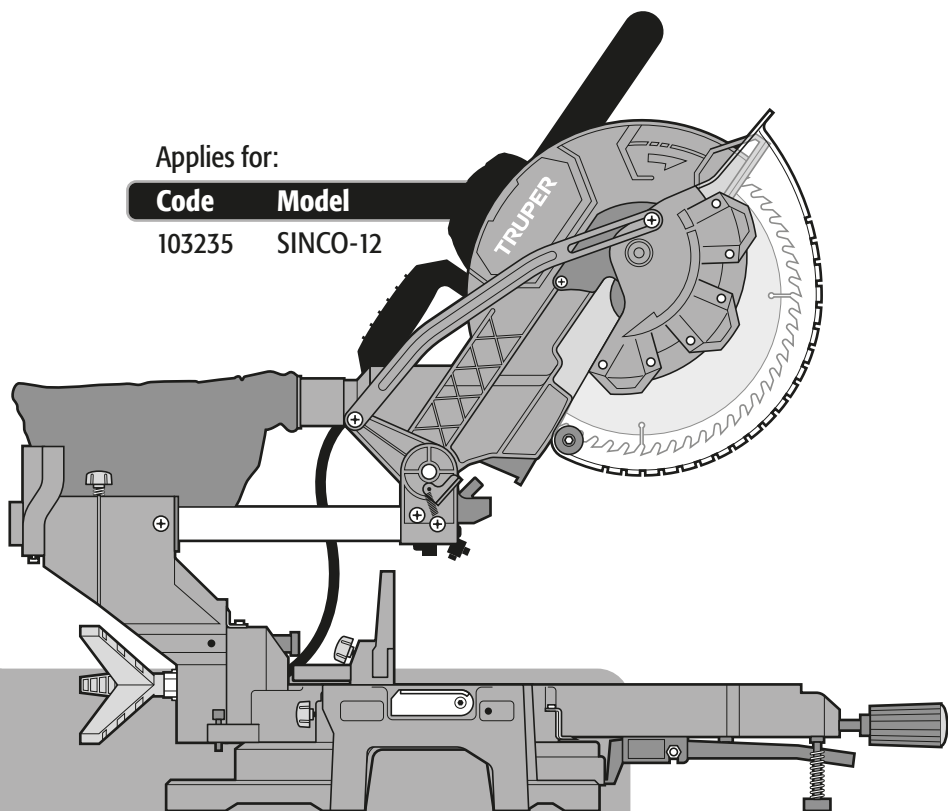


## Manual Sliding compound miter saw

2 3/4 Hp

Applies for:

Code	Model
103235	SINCO-12



# SINCO-12



Read this manual thoroughly  
before using the tool.



Technical data.....	3
Power requirements.....	3
 General safety warnings for electric tools.....	4
 Safety warnings for the use of table saws.....	5
Parts .....	6
Unpacking and assembly.....	7
Assembly.....	8
Adjustments .....	9
Operation .....	12
Troubleshooting.....	13
Maintenance.....	13
Notes .....	14
Authorized service centers.....	15
Warranty policy.....	16

## CAUTION

To gain the best performance of the tool, prolong the duty life, make the Warranty valid if necessary, and to avoid hazards of fatal injuries please read and understand this Manual before using the tool.

Keep this manual for future references.

The illustrations in this manual are for reference only. They might be different from the real tool.

## Use and care recommendations



### RESPECT THE WORK CYCLES.

50 minutes of work per 20 minutes of rest. Maximum 6 hours.



**ADJUST** the saw (pages 9, 10, and 11) before using it for the first time. Check these adjustments from time to time.



Keep the ventilation slots clean. Remove dust and/or sawdust **AFTER EACH USE** with compressed air or a brush.



Perform regular **MAINTENANCE** on your machine (page 13).

## SINCO-12

Code	•	103235
Description	•	Slide compound miter saw
Discs	•	12" for wood   12" for aluminum
Shaft diameter (shaft)	•	1"
Voltage	•	127 V~
Frequency	•	60 Hz
Current	•	16 A
Power	•	2 3/4 Hp
Speed	•	5 000 RPM
Work cycle	•	50 minutes of work per 20 minutes of rest. Maximum 6 hours
Conductors	•	14 AWG x 3C with insulation temperature of 221 °F
Insulation	•	Class I
Table angles	•	- 50° a + 50°
Head angles	•	- 45° a + 45°

The power cable has cable clamps of the type: Y  
The construction class of the tool is: Supplementary  
The thermal insulation class of the motor windings: Class F

**⚠ WARNING** If the power cable is damaged, it must be replaced by the manufacturer or a TRUPER Service Center to prevent any risk of electric shock or significant accident.  
The electrical insulation of this tool is compromised by splashes or spillage of liquids during its operation.  
Do not expose it to rain, liquids, and/or moisture.



**⚠ WARNING** Before accessing the terminals, all power circuits must be disconnected.

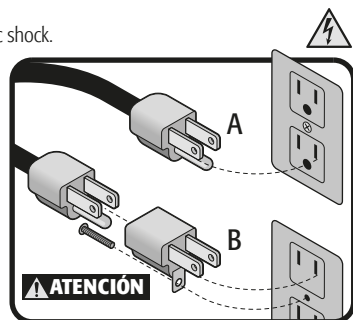
## Power requirements

**⚠ WARNING** The tool must be grounded while not in use to prevent electric shock.

• Plug the plug into a properly grounded outlet or socket as shown in example  
**A**. Not all outlets or sockets are properly grounded; if in doubt, check with a qualified electrician.

• If the outlet you plan to use for your tool is a 2-pole outlet (2 holes), DO NOT REMOVE OR ALTER THE GROUND CONDUCTOR FROM YOUR PLUG UNDER ANY CIRCUMSTANCES. Use a temporary adapter as shown in example **B** and always connect the ground conductor lug as indicated.

**⚠ WARNING** When using an extension cord, make sure to use the proper gauge to carry the current your tool will consume. An undersized cord will cause voltage drops in the line, resulting in power loss and motor overheating. The following table shows the correct size to be used depending on the cable length and the amperage capacity indicated on the tool's data plate. If in doubt, use the next higher gauge.



Ampere Capacity	Number of Conductors	Extension gauge from 5.9' to 49.2'   higher than 49.2'	
from 0 A and up to 10 A	3 (one grounded)	18 AWG(*)	16 AWG
from 10 A and up to 13 A		16 AWG	14 AWG
from 13 A and up to 15 A		14 AWG	12 AWG
from 15 A and up to 20 A		8 AWG	6 AWG

\* It is safe to use only if the extensions have a built-in artifact for over current protection.

AWG = American Wire Gauge. Reference: NMX-J-195-ANCE

**⚠ WARNING** When operating power tools outdoors, use a **VOLTECK®** grounded extension cable labeled "For Outdoors Use". These extensions are specially designed for operating outdoors and reduce the risk of electric shock.





## General safety warnings for electric tools



**⚠ WARNING! Read carefully all safety warnings and instruction listed below.** Failure to comply with any of these warnings may result in electric shock, fire and / or severe damage. **Save all warnings and instructions for future references.**

### Work area

**Keep your work area clean, and well lit.**

Cluttered and dark areas may cause accidents.



**Never use the tool in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**

Sparks generated by power tools may ignite the flammable material.



**Keep children and bystanders at a safe distance while operating the tool.**

Distractions may cause losing control.



### Electrical Safety

**The tool plug must match the power outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.**

Modified plugs and different power outlets increase the risk of electric shock.



**Avoid body contact with grounded surfaces, such as pipes, radiators, electric ranges and refrigerators.**

The risk of electric shock increases if your body is grounded.

**Do not expose the tool to rain or wet conditions.**

Water entering into the tool increases the risk of electric shock.

**Do not force the cord. Never use the cord to carry, lift or unplug the tool. Keep the cord away from heat, oil, sharp edges or moving parts.**

Damaged or entangled cords increase the risk of electric shock.

**When operating a tool outdoors, use an extension cord suitable for outdoor use.**

Using an adequate outdoor extension cord reduces the risk of electric shock.

**If operating the tool in a damp location cannot be avoided, use a ground fault circuit interrupter (GFCI) protected supply.**

Using a GFCI reduces the risk of electric shock.

### Personal safety

**Stay alert, watch what you are doing and use common sense when operating a tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.**

A moment of distraction while operating the tool may result in personal injury.

**Use personal protective equipment. Always wear eye protection.**

Protective equipment such as safety glasses, anti-dust mask, non-skid shoes, hard hats and hearing protection used in the right conditions significantly reduce personal injury.



**Prevent unintentional starting up. Ensure the switch is in the "OFF" position before connecting into the power source and / or battery as well as when carrying the tool.**

Transporting power tools with the finger on the switch or connecting power tools with the switch in the "ON" position may cause accidents.

**Remove any wrench or vice before turning the power tool on.**

Wrenches or vices left attached to rotating parts of the tool may result in personal injury.

**Do not overreach. Keep proper footing and balance at all times.**

This enables a better control on the tool during unexpected situations.

**Dress properly. Do not wear loose clothing or jewelry. Keep hair, clothes and gloves away from the moving parts.**

Loose clothes, jewelry or long hair may get caught in moving parts.



**If you have dust extraction and recollection devices connected onto the tool, inspect their connections and use them correctly. Using these devices reduce dust-related risks.**

### Power Tools Use and Care

**Do not force the tool. Use the adequate tool for your application.**

The correct tool delivers a better and safer job at the rate for which it was designed.



**Do not use the tool if the switch is not working properly.**

Any power tool that cannot be turned ON or OFF is dangerous and should be repaired before operating.

**Disconnect the tool from the power source and / or battery before making any adjustments, changing accessories or storing.**

These measures reduce the risk of accidentally starting the tool.

**Store tools out of the reach of children. Do not allow persons that are not familiar with the tool or its instructions to operate the tool.**

Power tools are dangerous in the hands of untrained users.



**Service the tool. Check the mobile parts are not misaligned or stuck. There should not be broken parts or other conditions that may affect its operation. Repair any damage before using the tool.**

Most accidents are caused due to poor maintenance to the tools.



**Keep the cutting accessories sharp and clean.**

Cutting accessories in good working conditions are less likely to bind and are easier to control.

**Use the tool, components and accessories in accordance with these instructions and the projected way to use it for the type of tool when in adequate working conditions.**

Using the tool for applications different from those it was designed for, could result in a hazardous situation.

### Service

**Repair the tool in a TRUPER Authorized Service Center using only identical spare parts.**

This will ensure that the safety of the power tool is maintained.



This tool is in compliance with the Official Mexican Standard (NOM - Norma Oficial Mexicana).

# Safety warnings for the use of table saws

# TRUPER®

## General

- Do not use the saw to cut metal, masonry, or concrete.
- Do not use worn, damaged, or dull blades.
- Do not use high-speed steel blades.
- NEVER use blades larger than those indicated for the tool.
- Use gloves when handling blades.
- This appliance is not intended for use by persons (including children) whose physical, sensory, or mental capabilities are different or reduced, or who lack experience or knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliances.

## Before operating the saw

**⚠ CAUTION** • Secure the workpiece properly to avoid body contact with the cutting blade, prevent it from bending, or losing control of the tool or workpiece.

**⚠ CAUTION** • Before each use, check that the retractable guard functions correctly. If the guard does not move freely or does not close instantly, service it before operating the tool.

• Secure the saw on a perfectly level surface where there is enough space to handle and properly support the workpiece.

• When cutting workpieces with circular shapes, use clamps to secure them and prevent them from rotating in any direction.

• Before making any cuts, ensure that the cutting head column and the rotating table are in the desired position and locked.

• Inspect the workpiece and ensure that it does not have any nails or screws.

• Make sure the blade is properly installed.

## While operating the saw

**⚠ WARNING** • Keep your hands and any other part of the body away from the cutting area and the cutting blade. When operating the tool, hold the cutting head firmly by the handle to prevent accidental injuries and loss of control.

**⚠ WARNING** • Accidental contact with a rotating cutting blade can cause severe personal injuries.

• Feed the material in the opposite direction of the blade's rotation.

**⚠ CAUTION** • Do not attempt to remove waste material when the cutting blade is rotating.

**⚠ WARNING** • Remember that the guards do not protect you from the moving blade below the workpiece, so you should never reach your hand underneath it while the tool is in operation.

**⚠ WARNING** • ALWAYS keep the power cord away from the cutting area. The power cord should NEVER hang over the workpiece during cutting.

• Ensure that the blade comes to a complete stop before changing it, securing a workpiece, or changing the cutting angle.

• Before installing a new blade, make sure it is free of dents or damage. If so, replace it immediately.

• When using the saw, always stand to the side of the blade, never in front of it.

**⚠ CAUTION** • Never manually remove accumulated sawdust or chips from the blade; use a brush.

**⚠ CAUTION** • Do not attempt to free a jammed blade without first turning off and disconnecting the tool.

**⚠ CAUTION** • Do not attempt to stop the blade with a piece of wood or the shaft lock. Allow it to stop freely after turning off the saw.

**⚠ CAUTION** • Hold it by the insulated parts. If you accidentally cut any electrical cable, the metal parts would conduct a shock to the operator. In such a case, immediately turn off and disconnect the saw.

## After operating the saw

• Periodically check that all nuts and screws are properly tightened.

## Laser light

The tool has a built-in laser light as a cutting guide. This laser is Class II with a maximum power of 1 mW and a wavelength of 650 nm

Normally, it does not pose an optical risk, but looking directly at it can cause temporary blindness.

• Avoid direct exposure to the eyes.

• Do not point the laser light at any person or object other than the workpiece.

• Do not use the laser guide when cutting materials that reflect light, as it could reflect onto the operator.

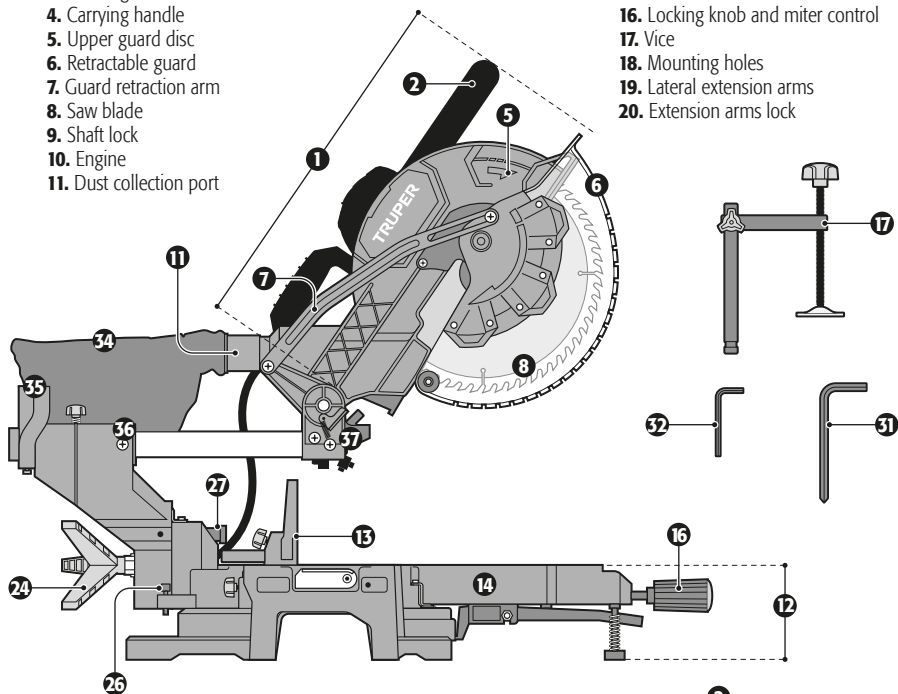
• For more information regarding laser beams, refer to ANSI Standard Z136.1 - SAFE USE OF LASER BEAMS, available from the Laser Institute of America (407) 380-1553.

## 1. Cutting head

2. Handle
3. Trigger switch
- 3a. Laser guide switch
4. Carrying handle
5. Upper guard disc
6. Retractable guard
7. Guard retraction arm
8. Saw blade
9. Shaft lock
10. Engine
11. Dust collection port

## 12. Cutting table

13. Fence
14. Rotary table for miter cuts
15. Miter scale
16. Locking knob and miter control
17. Vice
18. Mounting holes
19. Lateral extension arms
20. Extension arms lock

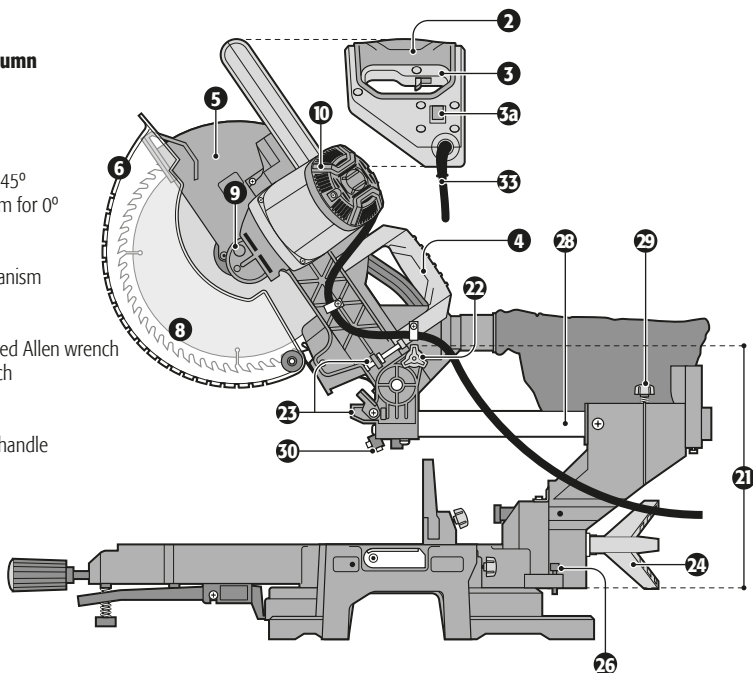


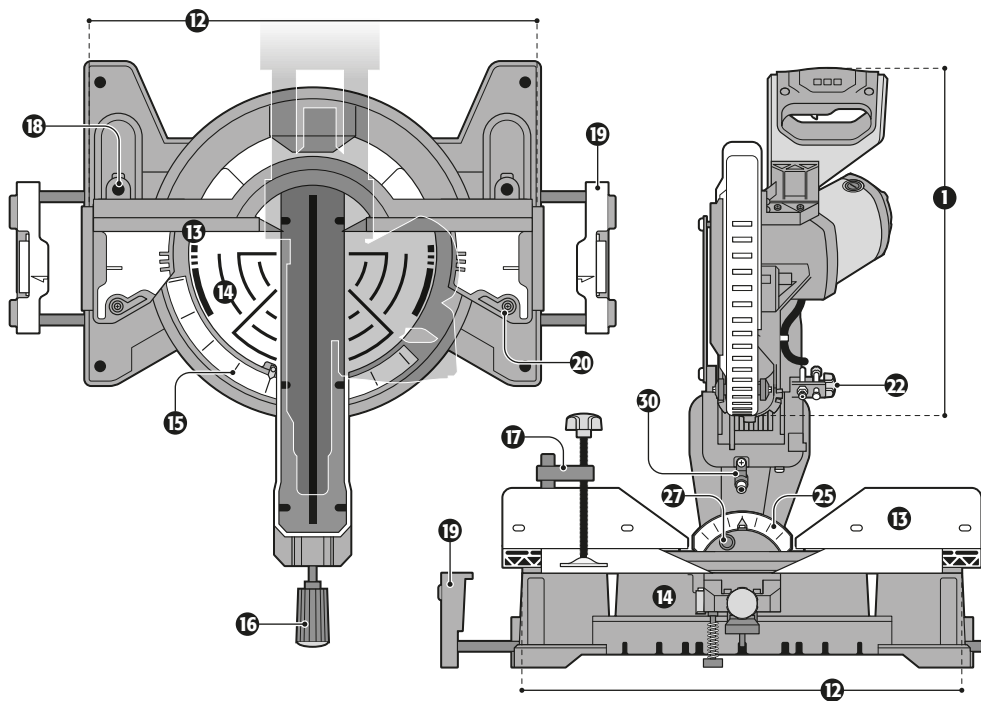
## 21. Cutting head column

22. Cutting head lock
23. Cutting head stop
24. Bevel cut knob
25. Bevel cut scale
26. Screw stops for  $\pm 45^\circ$
27. Locking mechanism for  $0^\circ$  bevel cuts
28. Rails
29. Locking rail mechanism
30. Laser guide

## 31. 6 mm phillips-tipped Allen wrench

32. 4 mm Allen wrench
33. Power cable
34. Dust bag
35. Auxiliary carrying handle
36. Head cap screw
37. Locking lever





## Unpacking and assembly

Due to rigorous quality checks, it's highly unlikely that your tool will have any defects or missing components. In the rare case that this happens, please visit a TRUPER Authorized Service Center before using the tool to avoid serious injuries.

- To unpack the tool extract all loose parts from the box.
- Remove the packaging material surrounding the tool.
- Lift the saw carefully, holding it only by the transport handle (4), and place it on a completely level surface.
- For transportation, always carry the saw with the head down and locked by the release knob (22). Lift the cutter only by the transport handle and/or the extension arms (19). Seek assistance when lifting the cutter to prevent back injuries.

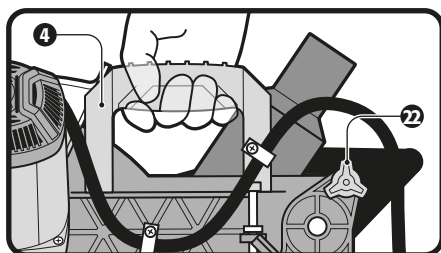
### Assembly on a workbench

- The tool's base has holes in each of its four supports to attach it to a worktable.
- Attach the base to a perfectly level and horizontal worktable using screws (not included).
- Alternatively, you can attach it to a 1/2" or thicker plywood board to secure the board to the table or move it to other work areas.

**⚠ WARNING** If you mount the tool on a curved, inclined, or uneven surface, the cuts will be inaccurate.

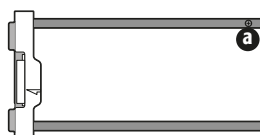
### Releasing the cutting head

- Once the tool is assembled, release the cutting head for use by using the release knob (22).
- Press down on the head while pulling out the release knob. Turn it 45° and release it.
- Then, slowly lift the head.
- To secure the head again, lower it while pulling out the release knob. Turn it - 45° and release it.

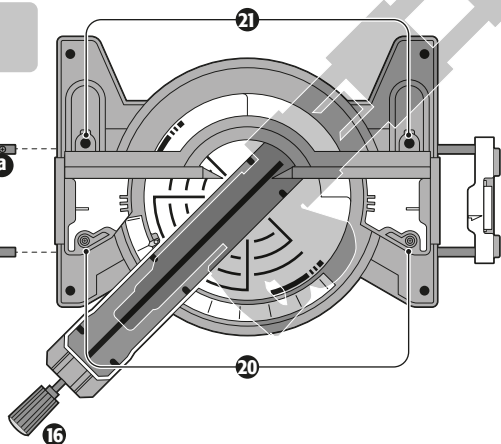


## Lateral extension arms and locking knob, and miter control.

- They are useful for holding workpieces that extend beyond the cutting table area.

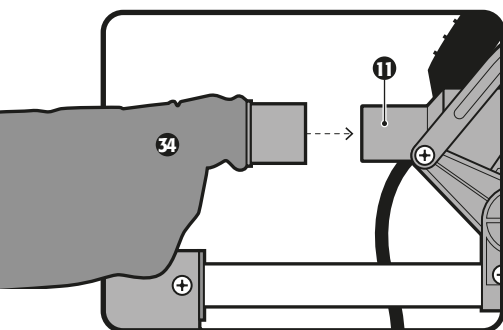


- To install them on the worktable, remove the screw (a) from the end of the extensions. Loosen the locks on the extension arms (20).
- Insert the extension arms on both sides of the table and replace the screw (a) on each extension. Tighten the locks to secure the extension in the desired position.
- Insert the knob (16) into the miter cut support and turn clockwise to screw it in.



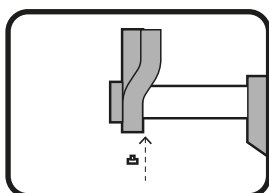
## Dust collection bag

- Install the dust collection bag (34) on the dust collection duct (11) at the back of the cutting head column.



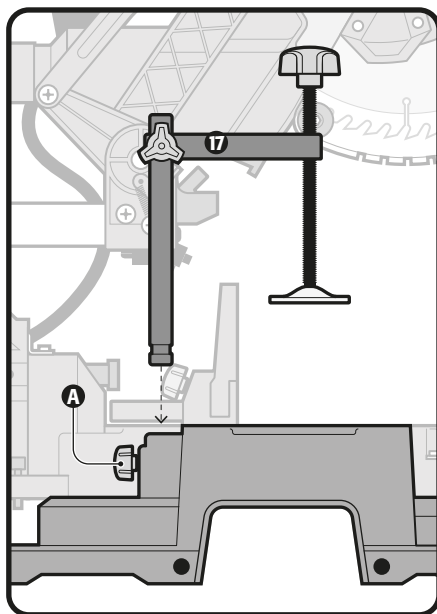
## Auxiliary handle

- Insert the auxiliary handle (35) into the top of the rails.
- Align the lower holes of the handle and the rail.
- Secure the handle by placing two crosshead screws from the bottom using the special key included.



## Vise

- To secure the workpiece to the cutting table, use the vise (17).
- Mount it in one of the holes (21) depending on the task.
- To secure the vise in place, tighten the lock (A) firmly.





## Changing the cutting disc

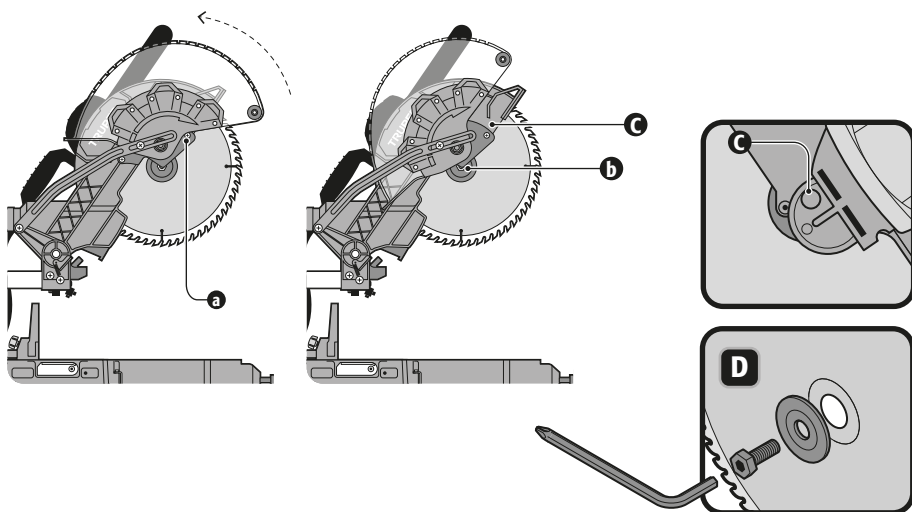
**⚠ WARNING** When changing or installing the cutting disc, use protective gloves to prevent injuries.

- Disconnect the tool from the power source.
- Lift and push back the cutting head, locking its movement with the locking lever (22).
- Lift the retractable guard to expose screw (a).
- Use the 4 mm Allen wrench to loosen screw (a) until you can lift cover (c) upward to expose screw (b).
- Press the shaft lock (C) while manually rotating the disc until its shaft locks.
- With the included Phillips-tipped Allen wrench, turn screw (b) securing the disc clockwise (left-hand thread) to remove it along with the outer flange washer (D).
- Remove the cutting disc.

- Apply a drop of lubricant on the inner and outer washers on the side where they contact the cutting disc.
- Place the new disc on the arbor, making sure the inner washer fits snugly against the disc.
- Reverse the previous steps to secure the disc and return the retractable guard to its original position before using the tool.

**⚠ WARNING** Ensure that screw (b) is tightened securely and does not interfere with the retractable guard. Verify that the retractable guard functions normally before turning on the tool.

• Turn on the saw for a moment to verify that the disc was installed correctly.

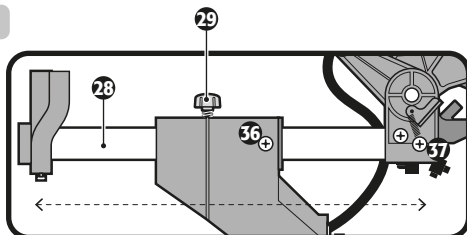


## Adjustments

### Telescopic head

- The cutting head runs along rails (28) so it can be moved closer to or farther away from the support fence, depending on the task.
- Loosen the rail locking lever (29) to be able to move the cutting head.
- Once in the desired position, you can tighten the rail locking lever to fix the cutting head in that position or leave it free for making long cuts.

- To lock the telescopic option, push the cutting head all the way down and place the locking lever to secure the head (37) on the screw (36) and tighten the rail lock (29).

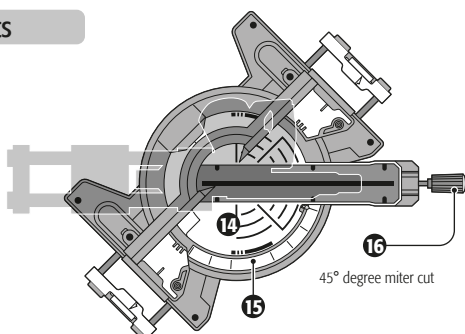


## Adjustment of the rotary table for miter cuts

To make miter cuts at angles from  $50^{\circ}$  to  $-50^{\circ}$ , use the rotary table (14).

- Loosen the control knob (16) to release the rotary table.
- Rotate the table to the desired angle, using the miter scale (15) as a guide. This scale has stops at  $0^{\circ}$ ,  $\pm 15^{\circ}$ ,  $\pm 22.5^{\circ}$ ,  $\pm 30^{\circ}$ , and  $\pm 45^{\circ}$  for quickly setting common miter angles.
- Tighten the control knob to secure the table.

**⚠ WARNING** • Make sure to tighten the knob to secure the rotary table before starting the cut; otherwise, the table could move and cause a serious injury.

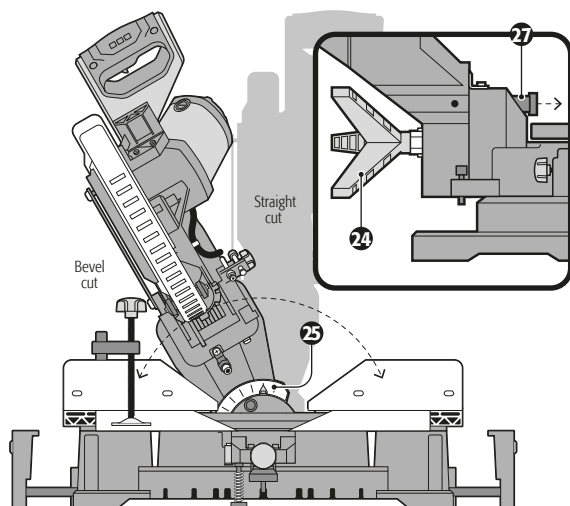
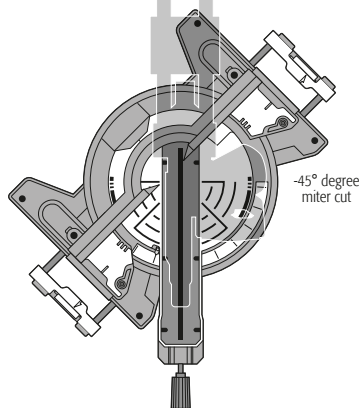
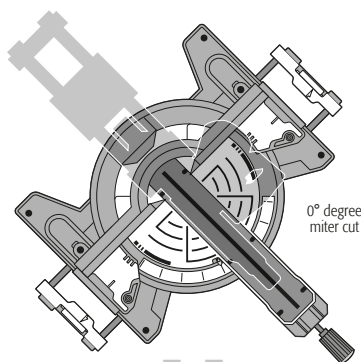


## Adjustment for bevel cuts

- To make bevel cuts up to  $\pm 45^{\circ}$ , adjust the cutting head column to the desired angle.
- Loosen the bevel cut knob (24).
- Pull out the  $0^{\circ}$  bevel lock (27) to release the cutting head column and move the column using the bevel cut scale (25).
- Once the column is at the desired angle, tighten the knob to lock its position.

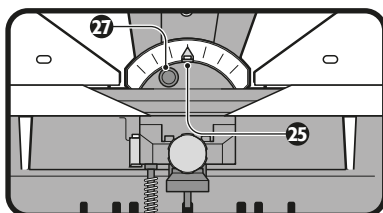
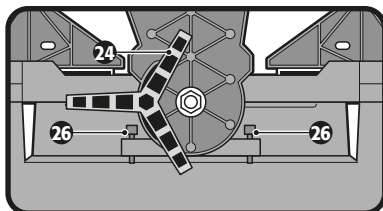
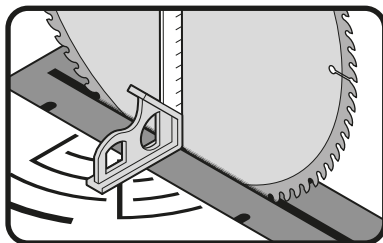
**⚠ WARNING** • Ensure that you tighten the knob to secure the column before starting the cut; otherwise, the cutting head could move and cause serious injury.

- To return the cutting head to the  $0^{\circ}$  position, loosen the bevel cut knob and return the column to the  $0^{\circ}$  position until the  $0^{\circ}$  bevel lock automatically engages, securing the column in that position. Tighten the bevel cut knob.



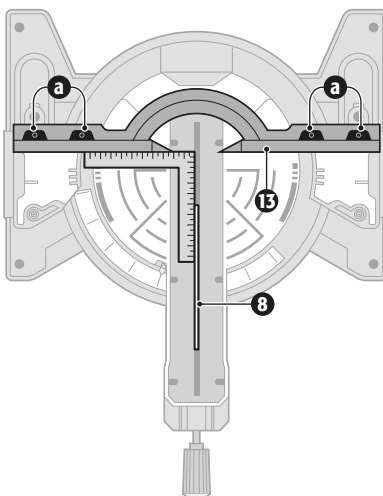
## Calibrating the angle for bevel cuts

- Disconnect the tool.
- Lower and secure the cutting head (refer to page 7).
- Set the miter saw table for 0° miter cuts and keep the cutting head column for 0° bevel cuts (refer to page 10).
- Place a square combination set at 90° against the table and the flat part of the blade.
- Rotate the blade by hand, protected by gloves, to check at various points if the blade is well-aligned.
- If the blade is misaligned, loosen the bevel cut knob (24).
- Using a 13 mm wrench or an adjustable wrench (not included), loosen the locknut of the 0° bevel cut screw stop (27). With the included Allen wrench, tighten or loosen the screw to calibrate the blade until its face makes contact at all points with the square edge profile.
- Tighten the bevel cut knob and the locknut of the 0° bevel cut screw stop.
- Once the blade is calibrated, adjust the pointer of the bevel cut scale (25) by loosening its screw with a Phillips screwdriver and placing it correctly at the zero mark on the scale.
- Follow a similar procedure to calibrate the blade angle to  $\pm 45^\circ$ : set the cutting head column to  $\pm 45^\circ$  (refer to page 10) and tighten or loosen the stops for the  $\pm 45^\circ$  bevel cut screws (26) until the blade face makes contact at all points with the profile of the square set at  $45^\circ$ .



## Calibrating the angle of the support fence

- Disconnect the tool.
- Lower and secure the cutting head (refer to page 7).
- Set the miter saw table for 0° miter cuts and keep the cutting head column for 0° bevel cuts (refer to page 10).
- Place a square against the support fence (13) and against the face of the blade (8).
- If the cutting guide or the blade does not make contact along the entire length of the square, loosen the screws (a) that secure the cutting guide to the table with the Allen wrench.
- Use the square as a reference and adjust the guide until it is perpendicular to the cutting blade.
- Tighten the four screws (a) again to secure the cutting guide in its correct position.



## Starting

- To start the saw, move the locking lever (**A**) inward on the handle, squeeze and hold down the trigger switch (**3**).
- To stop the saw, release the switch; doing so activates the automatic brake to stop the saw within seconds.

**⚠ CAUTION** To prevent unauthorized use of the tool, the switch has a hole for inserting a padlock to prevent its use.

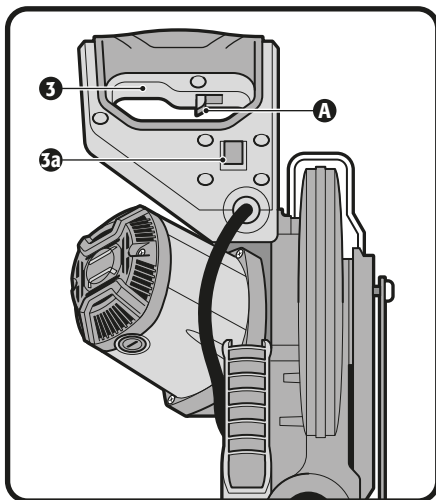
## Control of the laser guide

- Press the button (**3a**) on the side of the saw's handle to turn on the laser guide.
- To turn it off, press the button again.
- The laser guide projects a pair of parallel light beams to indicate the path of the cutting blade between them to guide the cut through the workpiece.
- Using the laser guide improves cutting accuracy and enhances safety.

**⚠ CAUTION** In very sunny or brightly lit conditions, visibility of the laser beam may be challenging.

## Cutting procedure

- Decide the type of cut to make: bevel, miter, or compound (bevel and miter cut simultaneously), whether you will do it with the rail locked or free.
- Trace the cut line(s) on the workpiece using a pencil.
- Make the corresponding adjustments to the angles of the rotary table and the head column, as described on page 10.
- Once both the rotary table and the head column are secured at the desired angle, and the head position on the rail is set, proceed to place the workpiece on the cutting table with the cut line(s) clearly visible.
- One side of the workpiece should be firmly supported against the cutting guide. If the piece is curved, place the convex side against the cutting guide, supported at two points; otherwise, if you support the opposite side—the concave side—the piece could become uncontrollable.
- Use the side extension arms if the workpiece exceeds the dimensions of the cutting table. If the workpiece still exceeds the dimensions of the extension arms, use a workbench at the same height as the cutting table to support the excess material.
- After correctly placing the workpiece, use clamps whenever possible to secure the piece in place. If necessary, use extra clamps to hold the piece even better.
- Before turning on the saw, with the laser guide on, test the cutting path to verify that it aligns with the previously drawn line on the workpiece and is free of obstacles.



- Hold the saw handle firmly and press the switch. Allow the blade to reach its maximum speed (approximately within two seconds) and slowly lower the cutting head so that the blade cuts through the workpiece.
- After completing the cut, release the switch and wait for the cutting blade to come to a complete stop before raising the cutting head.

## Free-Head railless cut

- This cut is used to make cuts that exceed the diameter of the disc in a single pass.
- Firmly hold the saw handle and pull the cutting head towards you.
- Press the trigger. Allow the disc to reach its maximum speed and slowly lower the cutting head to initiate the cut.
- When the disc goes through the workpiece, push the head towards the support fence to continue the cut through the workpiece until completion.

**⚠ CAUTION** Do not make cuts by pulling the cutting head towards you.

## Compound cut

- This type of cut combines bevel and miter cuts simultaneously and is used for making frames, cutting moldings, boxes with inclined sides, or frames.

**⚠ CAUTION** Practice cuts on scrap material before making the final cut on the workpiece.

## Problem

## Cause

## Corrective action

The saw does not start

- Disconnected cable from the power supply.
- Electrical issues: blown fuse or tripped circuit breaker.
- Damaged cable.
- Burned switch.
- Defective motor.

- Connect the power supply cable.
- Replace the fuse or reset the circuit breaker.

- Visit a TRUPER Authorized Service Center to repair the saw.

The disc does not reach its maximum speed.

- Extension cord is too long or of small gauge.
- The saw is too hot.

- Replace the extension cord with one of the correct length and gauge.
- Turn off the tool, let it cool to room temperature, and clean the ventilation slots.

Poor cutting.

- Dull blade.

- Replace the blade with a new one.

- Check all the adjustments of the miter table angle and the head column angle (see page 10). Make fine adjustments if necessary (see page 11).

Misaligned cut

- Misaligned blade.

The machine vibrates or produces abnormal noises.

- Loose parts and/or screws.
- The blade vibrates.
- Worn-out moving parts.

- Ensure that all knobs, screws, nuts, and levers are tightly secured.
- Make sure the blade shaft screw is tightly secured.
- Visit a TRUPER Authorized Service Center for repair or replacement.
- Mount the saw base properly as indicated on page 7.

The brushes generate a lot of sparks when the switch is released.

- It is on an unstable surface.

- The automatic brake has been activated.

- Normal situation due to brake activation.

# Maintenance

**CAUTION** • Ensure that the tool is disconnected before performing any maintenance.

- For repair or service, only go to a TRUPER Authorized Service Center.
- To validate the warranty and prevent accidents, the repair or service of the tool can only be carried out by qualified personnel using original spare parts.

## Lubrication

- Lubricate moving parts periodically.
- The motor bearings are factory lubricated and sealed, so they do not need additional lubrication.

## General inspection

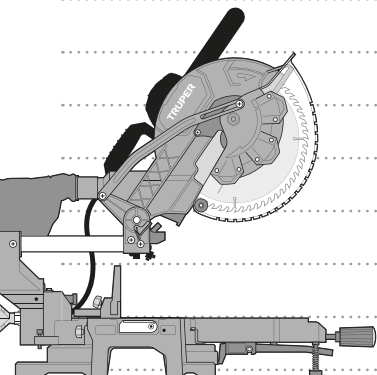
- Periodically check the tool to ensure that all screws or moving parts are properly tightened, as they may loosen over time.

## Cleaning and care

- Keep the ventilation slots clean and free from any foreign objects. Remove dust or sawdust after each use with compressed air or a brush.
- To clean the tool, use a slightly damp cloth with a mild detergent. Any other cleaning agent may damage the plastic parts of the tool.

## Brush replacement

- Brushes should be checked periodically and replaced by a TRUPER Authorized Service Center when worn out.
- After replacement, request an inspection to ensure that the new brushes can move freely in the brush holder and ask them to run the tool for 5 minutes to match the contact of the brushes and the switch.
- Only use original replacement brushes, specifically designed with the hardness and electrical resistance suitable for each type of motor. Brushes out of specifications can damage the motor.
- When replacing brushes, always replace both brushes.



In the event of any problem contacting a TRUPER Authorized Service Center, please see our webpage **WWW.TRUPER.COM** to get an updated list, or call our toll-free numbers **800 690-6990** or **800-018-7873** to get information about the nearest Service Center.

<b>AGUASCALIENTES</b>	<b>DE TODO PARA LA CONSTRUCCIÓN</b> GRAL. BARRAGÁN #1201, COL. GREMIAL, C.P. 20030, AGUASCALIENTES, AGS. TEL.: 449 994 0537	<b>MORELOS</b>	<b>FIX FERRETERÍAS</b> CAPITÁN ANZURES #95, ESQ. JOSÉ PERDIZ, COL. CENTRO, C.P. 62740, CUAUTLA, MOR. TEL.: 735 352 8931
<b>BAJA CALIFORNIA</b>	<b>SUCURSAL TIJUANA</b> AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL FLORIDO II, C.P. 22244, TIJUANA, B.C. TEL.: 664 969 5100	<b>NAYARIT</b>	<b>HERRAMIENTAS DE TEPEC</b> MAZATLAN #117, COL. CENTRO, C.P. 63000, TEPEC, NAY. TEL.: 311 258 0540
<b>BAJA CALIFORNIA SUR</b>	<b>FIX FERRETERÍAS</b> FELIPE ÁNGELES ESQ. RUIZ CORTÍNEZ S/N, COL. PUEBLO NUEVO, C.P. 23670, CD. CONSTITUCIÓN, B.C.S. TEL.: 613 132 1115	<b>NUEVO LEÓN</b>	<b>SUCURSAL MONTERREY</b> CARRETERA LAREDO #500, 18 MONTERREY PARKS, COLONIA PUERTA DE ANAHUAC, C.P. 66052, ESCOBEDO, NUEVO LEÓN, TEL.: 81 8352 8791 / 81 8352 8790
<b>CAMPECHE</b>	<b>TORNILLERÍA Y FERRETERÍA AAA</b> AV. ÁLVARO OBREGÓN #324, COL. ESPERANZA C.P. 24080 CAMPECHE, CAMP. TEL.: 981 815 2808	<b>OAXACA</b>	<b>FIX FERRETERÍAS</b> AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300, TUXTEPEC, OAX. TEL.: 287 106 3092
<b>CHIAPAS</b>	<b>FIX FERRETERÍAS</b> AV. CENTRAL SUR #27, COL. CENTRO, C.P. 30700, TAPACHULA, CHIS. TEL.: 962 118 4083	<b>PUEBLA</b>	<b>SUCURSAL PUEBLA</b> AV. PERIFÉRICO #2-A, SAN LORENZO ALMECATLA, C.P. 72710, CUAUTLACINGO, PUE. TEL.: 222 282 8282 / 84 / 85 / 86
<b>CHIHUAHUA</b>	<b>SUCURSAL CHIHUAHUA</b> AV. SILVESTRE TERRAZAS #128-11, PARQUE INDUSTRIAL BAFAR, CARRETERA MÉXICO CUAUHTÉMOC, C.P. 31415, CHIHUAHUA, CHIH. TEL. 614 434 0052	<b>QUERÉTARO</b>	<b>ARU HERRAMIENTAS S.A DE C.V.</b> AV. PUERTO DE VERACRUZ #110, COL. RANCHO DE ENMEDIO, C.P. 76842, SAN JUAN DEL RÍO, QRO. TEL.: 427 268 4544
<b>CIUDAD DE MÉXICO</b>	<b>FIX FERRETERÍAS</b> EL MONSTRUO DE CORREGIDORA, CORREGIDORA # 35, COL. CENTRO, C.P. 06060, CUAUHTÉMOC, CDMX. TEL: 55 5522 5031 / 5522 4861	<b>QUINTANA ROO</b>	<b>FIX FERRETERÍAS</b> CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL EJIDAL, C.P. 77710 PLAYA DEL CARMEN, Q.R. TEL.: 984 267 3140
<b>COAHUILA</b>	<b>SUCURSAL TORREÓN</b> CALLE METAL MECÁNICA #280, PARQUE INDUSTRIAL ORIENTE, C.P. 27278, TORREÓN, COAH. TEL.: 871 209 68 23	<b>SAN LUIS POTOSÍ</b>	<b>FIX FERRETERÍAS</b> AV. UNIVERSIDAD #1850, COL. EL PASEO, C.P. 78520, SAN LUIS POTOSÍ, S.L.P. TEL.: 444 822 4341
<b>COLIMA</b>	<b>BOMBAS Y MOTORES BYMTESA DE MANZANILLO</b> BLVD. MIGUEL DE LA MADRID #190, COL. 16 DE SEPTIEMBRE, C.P. 28239, MANZANILLO, COL. TEL.: 314 332 1986 / 332 8013	<b>SINALOA</b>	<b>SUCURSAL CULIACÁN</b> AV. JESÚS KUMATE SUR #4301, COL. HACIENDA DE LA MORA, C.P. 80143, CULIACÁN, SIN. TEL.: 667 173 9139 / 173 8400
<b>DURANGO</b>	<b>TORNILLOS ÁGUILA, S.A. DE C.V.</b> MAZURIO #200, COL. LUIS ECHEVERRÍA, DURANGO, DGO.TEL.: 618 817 1946 / 618 818 2844	<b>SONORA</b>	<b>FIX FERRETERÍAS</b> CALLE 5 DE FEBRERO #517, SUR LT. 25 MZ. 10, COL. CENTRO, C.P. 85000, CD. OBREGÓN, SON. TEL.: 644 413 2392
<b>ESTADO DE MÉXICO</b>	<b>SUCURSAL CENTRO JILOTEPEC</b> PARQUE INDUSTRIAL # 1, COL. PARQUE INDUSTRIAL JILOTEPEC, JILOTEPEC, EDO. DE MÉX. C.P. 54257 TEL: 761 782 9101 EXT. 5728 Y 5102	<b>TABASCO</b>	<b>SUCURSAL VILLAHERMOSA</b> CALLE HELIO LOTES 1, 2 Y 3 MZ. #1, COL. INDUSTRIAL, 2A ETAPA, C.P. 86010, VILLAHERMOSA, TAB. TEL.: 993 353 7244
<b>GUANAJUATO</b>	<b>CÍA. FERRETERA NUEVO MUNDO S.A. DE C.V.</b> AV. MÉXICO - JAPÓN #225, CD. INDUSTRIAL, C.P. 38010, CELAYA, GTO. TEL: 461 617 7578 / 79 / 80 / 88	<b>TAMAULIPAS</b>	<b>VM ORINGS Y REFACCIONES</b> CALLE ROSITA #527 ENTRE 20 DE NOVIEMBRE Y GRAL. RODRÍGUEZ, FRACC. REYNOSA, C.P. 88780, REYNOSA, TAMS. TEL: 899 926 7552
<b>GUERRERO</b>	<b>CENTRO DE SERVICIO ECLIPSE</b> CALLE PRINCIPAL MZ1 LT. 1, COL. SANTA FE, C.P. 39010, CHILPANCIÑO, GRO. TEL: 747 478 5793	<b>TLAXCALA</b>	<b>SERVICIOS Y HERRAMIENTAS INDUSTRIALES</b> PABLO SIDAR #132, COL. BARRIO DE SAN BARTOLOMÉ, C.P. 90970, SAN PABLO DEL MONTE, TLAX. TEL.: 222 271 7502
<b>HIDALGO</b>	<b>FERREPRECIOS S.A. DE C.V.</b> LIBERTAD ORIENTE #304 LOCAL 30, INTERIOR DE PASAJE ROBLEDO, COL. CENTRO, C.P. 43600, TULANCINGO, HGO. TEL.: 775 753 6615 / 775 753 6616	<b>VERACRUZ</b>	<b>LA CASA DISTRIBUIDORA TRUPER</b> BLVD. PRIMAVERA. ESQ. HORTENSIA S/N, COL. PRIMAVERA C.P. 93308, POZA RICA, VER. TEL.: 782 823 8100 / 826 8484
<b>JALISCO</b>	<b>SUCURSAL GUADALAJARA</b> AV. ADOLFO B. HORN # 6800, COL: SANTA CRUZ DEL VALLE, C.P.: 45655, TLAJOMULCO DE ZUNIGA, JAL. TEL: 33 3606 5285 AL 90	<b>YUCATÁN</b>	<b>SUCURSAL MÉRIDA</b> CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAV, MPIO. UMAN, C.P. 97390, MÉRIDA, YUC. TEL.: 999 912 2451
<b>MICHOACÁN</b>	<b>FIX FERRETERÍAS</b> AV. PASEO DE LA REPÚBLICA #3140-A, COL. EX-HACIENDA DE LA HUERTA, C.P. 58050, MORELIA, MICH. TEL: 443 334 6858		

Code	Model	Brand
103235	SINCO-12	TRUPER®

**Warranty.** Duration: 1 year. Coverage: parts, components and workmanship against manufacturing or operating defects, except if used under conditions other than normal; when it was not operated in accordance with the instructive; was altered or repaired by personnel not authorized by Truper®. To make the warranty valid, present the product, stamped policy or invoice or receipt or voucher, in the establishment where you bought it or in Corregidora 35, Centro, Cuauhtémoc, CDMX, 06060, where you can also purchase parts, components, consumables and accessories. It includes the costs of transportation of the product that derive from its fulfillment of its service network. . Phone number **800-018-7873**. Made in China. Imported by Truper, S.A. de C.V. Parque Industrial 1, Parque Industrial Jilotepec, Jilotepec, Edo. de Méx. C.P. 54257, Phone number 761 782 9100.



Stamp of the business. Delivery date: