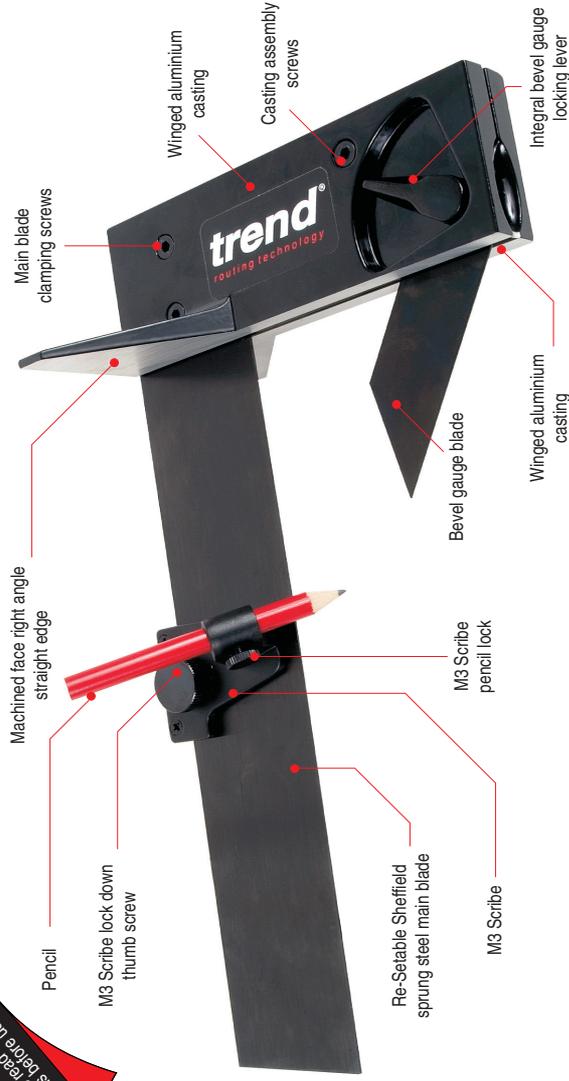


Please read
instructions before use



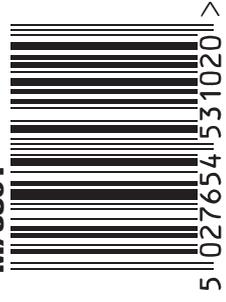
M3-Square UK Patent GB0217588.3 Design Reg. 2084086 & 3005851

trend[®]
routing technology



Trend Machinery & Cutting Tools Ltd.
Technical Support: 0044(0)1923 224681
technical@trendm.co.uk
www.trendmachinery.co.uk

M/3S01



M3-SQUARE™

The World's First 3-dimensional Try-Square



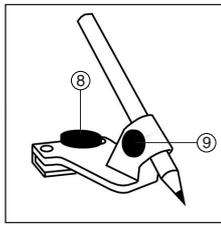
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- Mark width and thickness simultaneously.
- Mark over moulded edges and mitred angles.
- Strike and replicate angles with Integral bevel gauge.
- Factory set to within a tolerance of 1/100th of 1 degree.
- Re-settable Sheffield steel 9° blade.
- Deep range marking gauge.

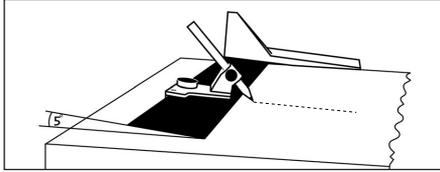
TRI-BLADE

Marking Gauge

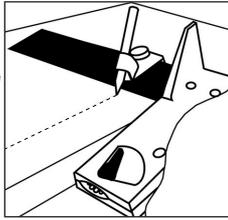
- Ensure that the bevel blade is locked into the stock.
- Undo the thumb screw (9) and remove the pencil.
- Clip the M3 Scribe™ onto the main blade and lock using the thumb screw (8).
- Rest the M3 Square™ in position on your workpiece.
- Slot the sharpened pencil into the M3 Scribe™ head until the pencil point comes into contact with the workpiece, lock in position using the thumb screw (9), note the blade sits on a slight angle of about 5 degrees.



- The M3 Scribe™ is now set up and ready for use.
- Loosen the thumb screw (8) and set the M3 Scribe™ to the required measurement (measure from the pencil point).



- Lock the M3 Scribe™ onto the blade using the thumb screw (9).
- Run the stock along the edge of your workpiece.
- Loosen the thumb screw (8) and set the M3 Scribe™ to the required measurement (measure from the pencil point).
- Lock the M3 Scribe™ onto the blade using the thumb screw (9).
- Run the stock along the edge of your workpiece.



Scribe Gauging

Repeat the operation for Marking Gauge, substituting the pencil with the scribe point provided. The scribe point will need to be put into the M3 Scribe™ from the underside.

Cutting Gauge

The M3 Square™ can be used as a very effective cutting gauge. Replace the pencil with a Tri Blade™, this gives a hyper fine cut for parallel marking, it's also the fastest way to accurately trim plasterboard.

Mark Round Moulded Edges

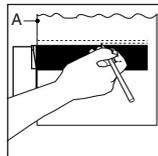
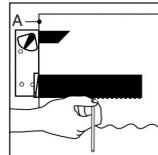
The M3 Square™ enables you to mark round components with a pre-moulded edge, for example skirting boards and kitchen worktops.

Caution

As with all precision measuring tools, the M3 Square™ should always be treated with care, avoid damage by knocking against or dropping onto hard surfaces.

Testing the M3 Square™ for Accuracy

- Find a surface with a true straight edge (A).
- Remove the M3 Scribe™ from the main blade.
- Butt the stock up against the straight edge and mark along the main blade.
- Turn the M3 Square™ over and mark along the blade close to the previous line.
- If the lines run parallel the M3 Square™ is accurate.
- If the lines do not run parallel, the main blade will need adjusting.



Resetting the M3 Square™

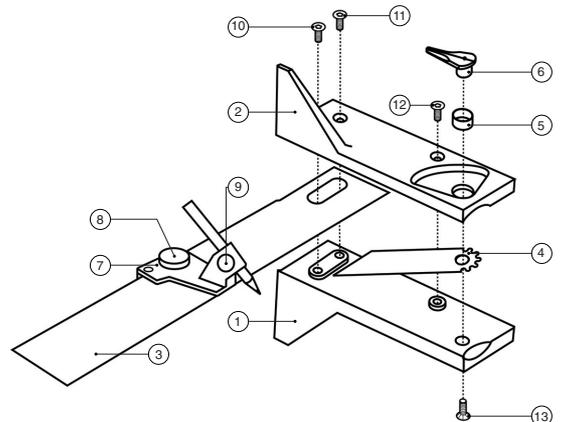
Quick Set

- Find a datum surface (B) (e.g. engineers plate).
- Slightly loosen the hex screws (10) – (11) with a 3.2mm (1/8") hex key.
- Place the M3 Square™ on the datum surface.
- Ensure that the winged stock and the top of the main blade lie flush on the datum surface.
- Hold the engineer square (C) on the internal angle of the M3 Square™ to set it at 90°.
- Once accurate tighten the hex screws (10) – (11)
- Test again to ensure accuracy.



Full Reset

- Disassemble all components. (If the two winged stock will not come apart after all the hex screws are removed, place the blade of a flat head screw driver in between the stock at the point of the bevel gauge recess and gently prize the stock apart).
- Clean the mating surfaces where the main blade (3) comes in contact with the stock (1) - (2)
- Apply engineering adhesive (e.g. Loctite®) to the mating surfaces of the main blade. (Be careful not to get adhesive on the tenon which locates the two main stock, or in the hex screw holes, otherwise subsequent disassembly may be impaired - also do not use a quick drying adhesive such as Cyanoacrylate).
- Re-assemble the winged stock (1) – (2) and the main blade (3).
- Lightly insert the hex screws (10) – (11).
- Reset the square as in the quick reset section.
- Tighten the hex screws (10) – (11) – (12).
- Check the M3 Square™ for accuracy, adjust as required. Once adhesive has fully 'cured'.
- Slot the bevel blade (4) between the winged stock (1) – (2).
- Position the hex screw (13) through the hole in winged stock (1) and the bevel blade (4).
- Place the collar (5) over the 'neck' of the locking lever (6) and position over the hex screw (13). Note that the collar (5) has a small chamfer on one inner surface, this chamfer must be towards the lever arm of the locking lever (6).
- With the locking lever (6) in approximately the middle of its travel, tighten the hex screw (13).
- Adjust hex screw (13) slightly until the locking lever both locks and unlocks the bevel blade satisfactorily.



Tri•Blade

Assembly instructions



IMPORTANT: For reasons of safety:
DO NOT replace the blade until the post is fitted to the Tri Scribe™.

Fit the Tri Blade™ into the Tri Scribe™ ensuring that the small pinch-bolt locates in the appropriate recess on the side of the post. This holds the blade at the correct angle for a perfect cut.

Preparing the Blade

Two sections of the length of blade are required. To snap the blade off at this point put the blade section required up to the line to be broken in a vice, grip the rest of the blade with a pair of pliers and gently snap it off. **Safety Glasses or Goggles must be worn during this process.**

Slot the blade into the post with a pair of long nose pliers, keeping the top of the blade flat with the top of the post. Ensure it is pushed fully into the slot before pinching it up with the hex key provided. The blade is fairly brittle, so tighten the grub-screw gently just to make contact with the blade and lock with a single quarter turn of the hex key using the short end of the hex key as the handle). Over tightening will shatter the blade.

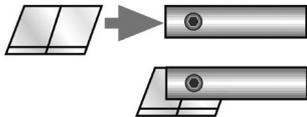
The Tri Blade™ is now ready for use.

Cutting veneers

Ensure the veneer is securely taped-down in position. Any cutting action should be repeated 3 - 4 times until the cut is complete.



Tri Blade™ contains very sharp blades - handle with care

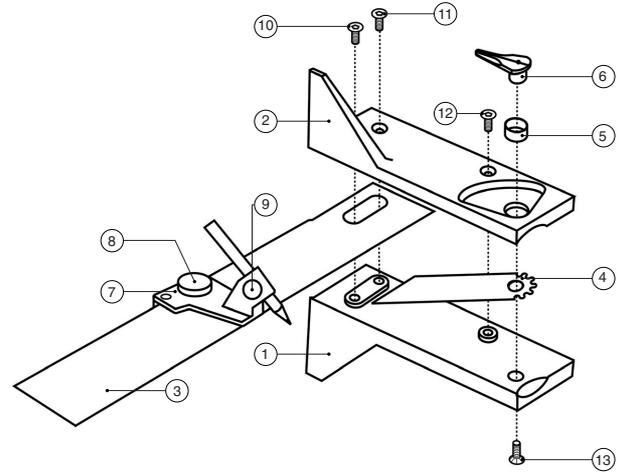


Tri Blade Design Reg. 2090985

Thank you for purchasing this Trend M3 Square™
The Worlds first 3-dimensional Tri Square.

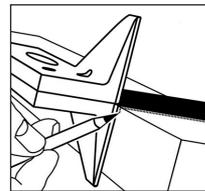
Parts List

1. Winged aluminium stock (right).
2. Winged aluminium stock (left).
3. Sheffield spring steel main blade.
4. Spring steel bevel gauge blade.
5. Blade clamping collar.
6. Bevel gauge locking lever.
7. M3 Scribe™.
8. M3 Scribe™ lockdown thumb screw.
9. M3 Scribe™ pencil lock thumb screw.
- 10 & 11. Main blade clamping screws.
12. Casting assembly screw.
13. Locking lever assembly screw.



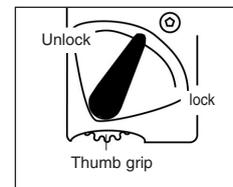
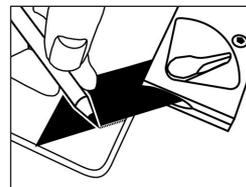
Mark 2 Sides at Once

The M3 Square™ allows the user to scribe both the width and thickness of a workpiece without moving the tool from its original position.



Bevel Gauge

The M3 Square™ is equipped with a bevel gauge which can be used to transfer preset angles to or from a workpiece. To release the blade, ensure that the locking lever is in the unlock position and with the thumb grip rotate the blade out of the stock. When the blade is set to the required angle, simply lock it in position using the lever.



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