

Please
read carefully
before use

M3•SQUARE™



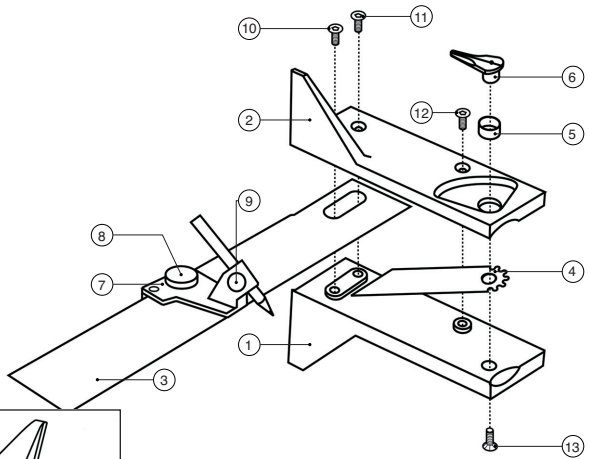
trend®
routing technology

INST/M3S01 v1.0

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

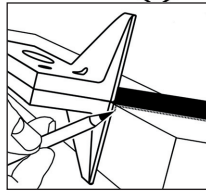
Parts List

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



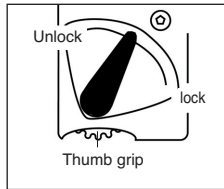
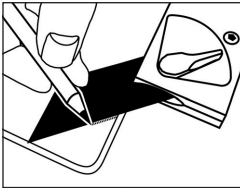
Mark 2 Sides at Once

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



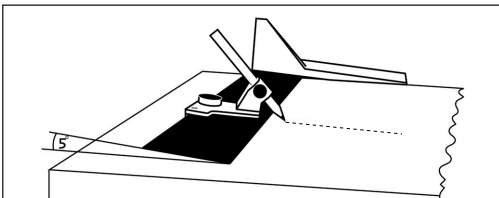
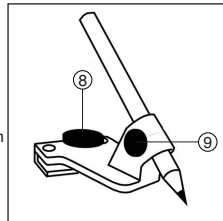
Bevel Gauge

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.

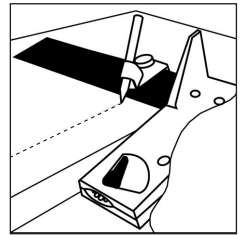


Marking Gauge

- 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.



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 M-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

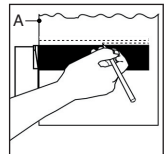
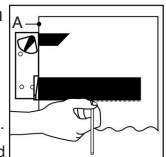
The M3-Square™ enables you to mark round components with a pre-moulded edge, for example skirting boards and kitchen worktops.

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

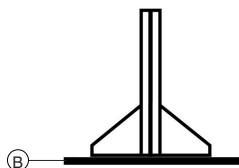
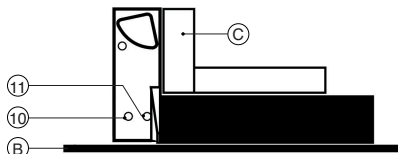
- Find a surface with a true straight edge (A).
- Remove the M3-Scribe™ from the main blade.
- Butt the stock up against the straight edge and mark along the main blade.
- Turn the M3-Square™ over and mark along the blade close to the previous line.
- If the lines run parallel the M3-Square™ is accurate.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



Resetting the M3-Square™

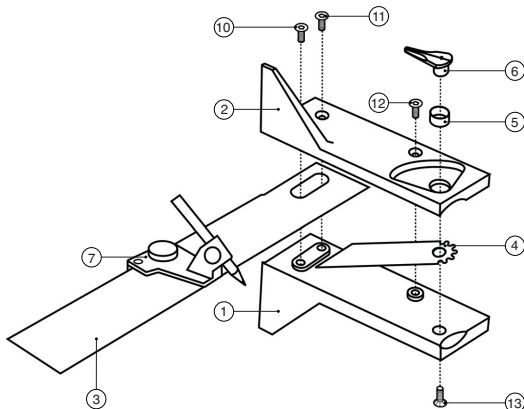
Quick Set

- 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.



Manufactured by M-Power Tools Ltd™
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RS 20082
Stockholding
& Supply



RECYCLABLE

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