

## OPERATION

Your Trigjig GLYDER 82 has been designed to pair with high quality steel rules from industry leading brands between 19mm - 30mm wide and up to 2.5mm thickness. To do this we designed a unique spring loaded ruler glide/guide and clamping system.

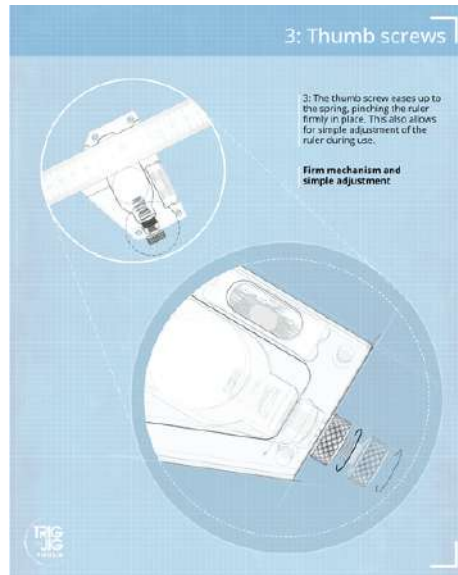
As opposed to traditional combination squares that pull the ruler into the handle stock by way of a stressed bolt hook, the GLYDER 'pushes' the ruler against the top edge of the handle stock using a spring and thumb screw combo. The system will automatically press the ruler into square when the thumb screw is backed-off and can be locked into position by turning the thumb screw clockwise.

**\*It is important to ensure that when adjusting the ruler the thumb screw is backed-off so as not to place undue wear on the wear strips built into the handle/stock.**

The GLYDER 82 is available in both right and left handed versions. This is so the scales on the ruler are pressed up to the handle/stock to allow for precise measurements and setting up with zero parallax errors.

Use the 'spring loaded ball bearing grub screw' on the back of the tool to press the ruler up to the front of the tool so that there is not a gap between the ruler face and the handle/stock. Do not overtighten as this will induce excessive wear to the rule and stock.

Depending on the thickness of the rule you may have to back the grub screw off to swap rules using a 3mm allen/hex key.



## Glyder 82 - Combination Square Instruction Manual

### OUR PROCESS

Your new Glyder 82 Combination Square is constructed with a substantial aluminium two-part body. All are meticulously CNC machined here in Nottinghamshire, England on British and American machinery.

We select the highest quality T6 6082 aluminium available ensuring your tool is fit for tough and varied construction environments.

Our tools are produced in small batches with individual time, care and attention poured into each part. After all sides have been machined, they are inspected by the operator for accuracy. Before being fine bead blasted to remove any fine scratches or burrs.

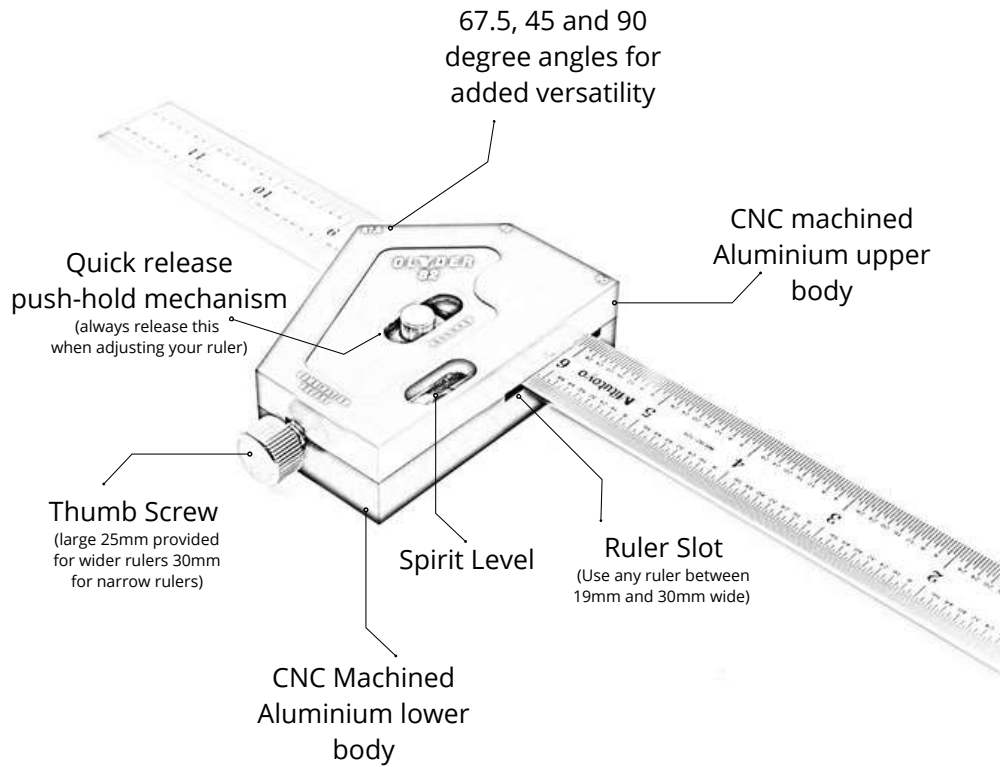
Then it's off to anodising where over many stages they are extensively cleaned, dyed and sealed with a 15-micron thick coating for a robust, durable and smooth finish that glides over wood and offers added corrosion resistance.

Once cured the parts head over to our laser operator who inspects them and laser etches each part individually using state-of-the-art Fiber and Galvo laser machinery.

The completed parts are then assembled with stainless steel fasteners and thumbscrews, fitted with a custom-made spirit vial and our unique spring-loaded, push-lock mechanism. They are quality-checked against several points for accuracy and overall finish using precision measuring equipment.

# GLYDER 82

## SQUARE ANATOMY AND FEATURES



Your new **TrigJig GLYDER 82** combination square has been designed and made by a small team and we take great pride in this tool which has been over a year in the making.

Combination squares have changed little over the last 100 years. So when we were contacted by a customer asking if we could develop a reliable, high-quality combi-square that didn't use a grinded bolt to hook the ruler, we were intrigued by the challenge. The GLYDER 82 is the result of months of work, so please take the time to read the information in this manual to ensure you get the most out of your new tool to help prolong the lifespan and accuracy.

### PRECISION ENGINEERED

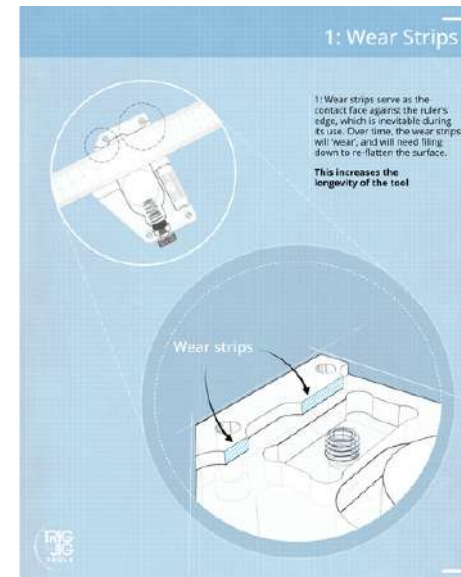
Your GLYDER 82 was machined on a high-precision CNC vertical machining centre from T6 Aluminium. We chose a tolerance of 5um to ensure the tool is accurate and square. The body has been anodised to +15um to help improve corrosion and wear resistance.

## IMPORTANT OPERATING INFORMATION

1. The GLYDER 82 has a spring-loaded push-hold that can secure rulers against usual force and knocks. However, **to 'lock' the ruler** use the large 25mm thumb screw for wider rulers and the 30mm thumb screw for narrow rulers.
2. The ruler will slide through the GLYDER smoothly. This is aided by the spring-loaded bearing located on the rear of the tool. **Take care not to overtighten** this bearing as it may cause tightness in the operation. The bearing should lightly hold the ruler against the front of the tool without impeding lateral movement.
3. To prolong the life of the tool **ALWAYS** release the spring when adjusting the ruler.

## FEATURES IN DETAIL

- Available in both **right** and **left-handed** versions.
- Ditches fragile pull hooks for a robust spring-loaded **push-hold mechanism**. This push-hold, rather than a traditional pull lock, helps prevent bolt fatigue.
- Quick-release ruler system - Glide, guide and clamping mechanism for smooth and accurate operation. Automatically squares the ruler. Use with any high-quality woodworking or engineer's rulers **between 19-30mm** wide and **0.5-2.5mm thick**.
- Adjustable spring-loaded bearing ensures super-precise measurements.
- Includes a built-in bubble level and stylish anodized coating in various colours.
- Lock it in place with a stainless steel thumbscrew.
- Quick and easy calibration, no more time-consuming tasks.
- Easy access to wear strips for simple calibration and maintenance.
- Additional 67.5 degree face as well as the standard 90 and 45 degree for added versatility.



## PARTS THAT WEAR

### Replacements and calibration

A key design philosophy of the GLYDER 82 was to ensure that parts were readily available should any break or become lost during maintenance/cleaning of the tool.

The internal components are all off-the-shelf, inexpensive parts that are readily available online, or can be purchased via our website as part of the service kit.

To reduce the chance of premature wear of your tool it is imperative that you follow the guideline in the section overleaf.