

## Kilwell ORB bolt on Outrigger Base Installation Instructions

Congratulations on purchasing your Kilwell Outriggers!

To successfully install the Kilwell Outriggers onto your boat you will require:

- 2 x Kilwell bolt on Outriggers
- 8 x 6mm or ¼" Stainless Steel 316 Countersunk bolts with washers and Nyloc lock nuts
- 2 x Backing plates (recommended depending on hull thickness)
- Electric drill
- 6.5mm drill bit
- 10.5mm drill bit (optional if using top hat grommets for through aluminium hull)
- Silicon marine sealant, or similar product (optional)

Before drilling the holes in the deck check all under deck clearances and access.

Read and understand installation instructions contained within this sheet. • Make sure your printout of the deck template is correct, measure twice and drill once! • Kilwell will not be responsible for any errors you make with the installation.

### FITTING STEPS

**Use the Template, as a guide for marking and drilling the holes.**

**Tape the template to the position you want to fit the bases, then mark the hole centres using a metal punch. Recheck the measurements before drilling a small pilot hole, then drill the final hole.**

If drilling through timber or fibreglass, seal the edges of the holes with epoxy to avoid ingress of moisture. (Not required for aluminium.)

Use the gasket supplied to seal the Kilwell Outrigger base to the deck.

For boats of aluminium construction it is important the base assembly is insulated from the deck with the plastic gasket to prevent electrolysis. It is best to use the gasket complete with the top hat grommets in place. In this case you will need to drill 10mm holes in your hull to allow for the top hat grommets.

For wooden or fibreglass boats it is not essential to include the top hat grommets with the installation. Simply remove them from the gasket and discard. Drill 6mm holes through your hull to get a snug fit.

**Please note;** A backing plate will be required if your hull or cabin is not strong enough to carry the weight of the outriggers when extended. Place the backing plate on the inside of the hull where you are positioning the bases and bolt right through the hull and backing plate.

### MAINTENANCE

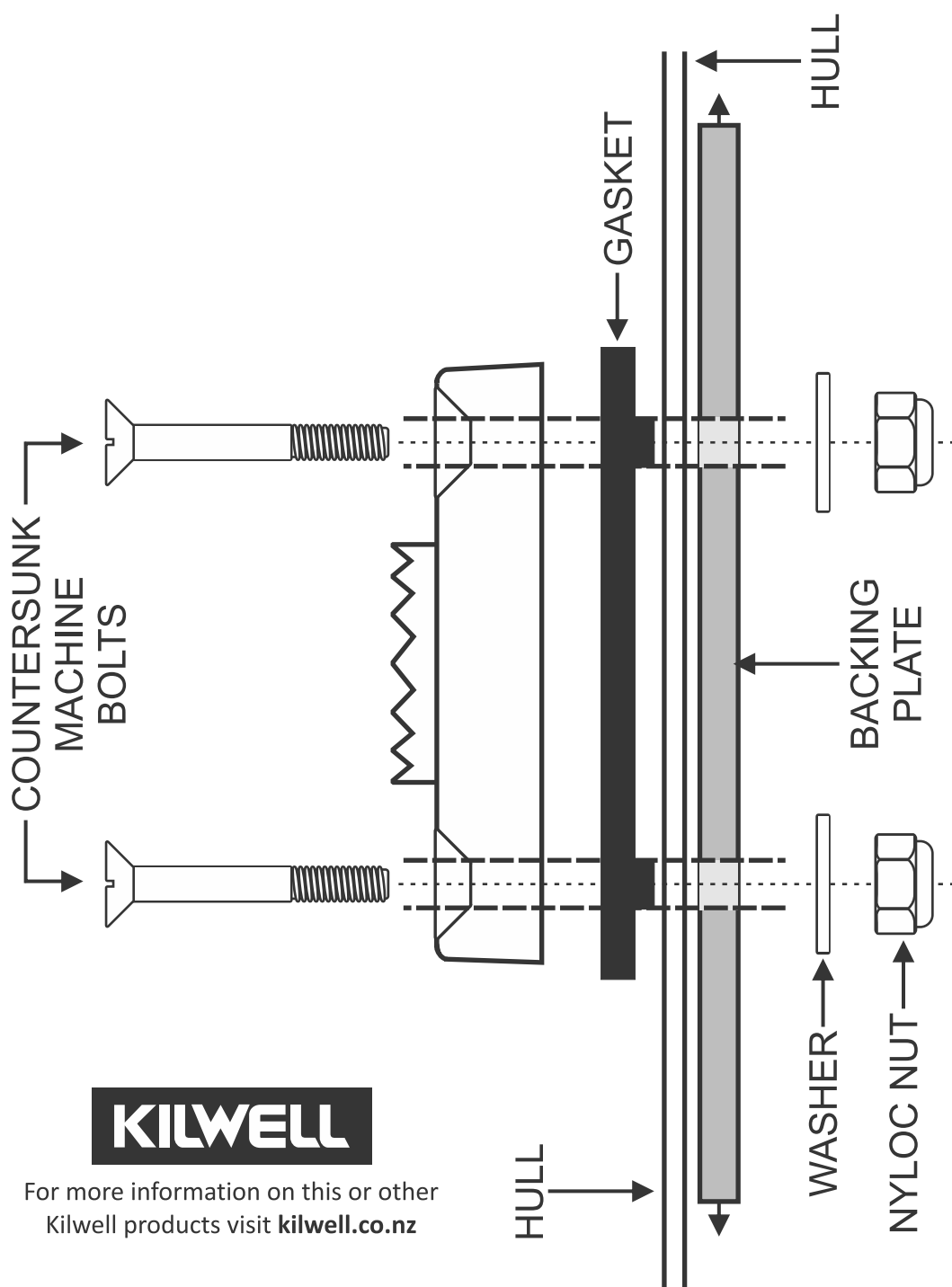
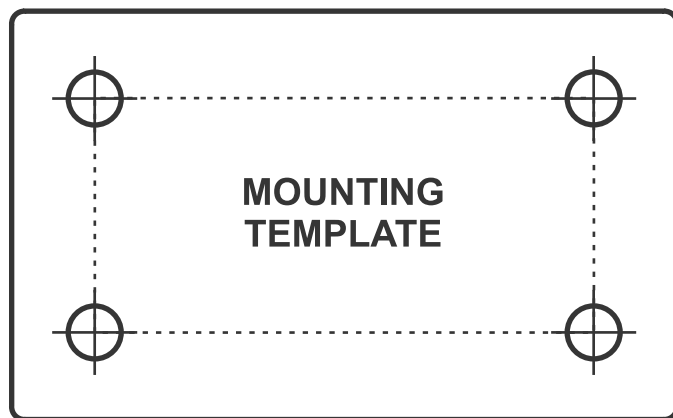
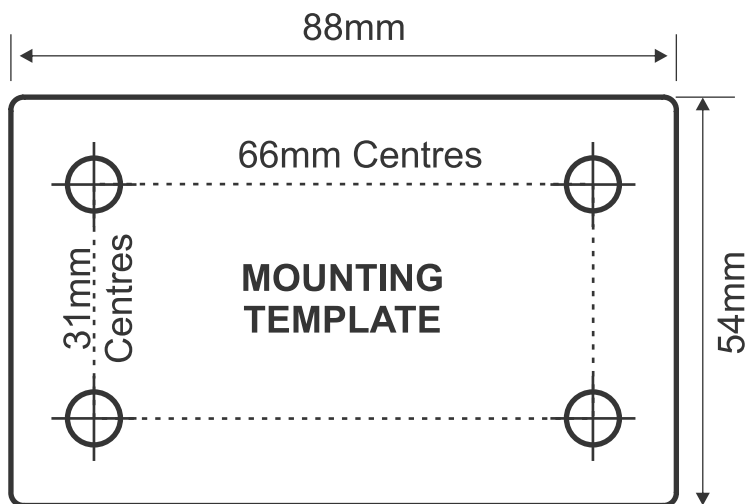
Kilwell recommends to clean your outriggers and all fittings with warm soapy water after every outing and store them in a safe place between trips. Then apply an aftermarket stainless polish/protector, available from any good chandlery store, to help keep all your stainless steel fittings bright and shiny.

Kilwell Outrigger bases are manufactured using a high strength Stainless Steel, but without proper maintenance they may show signs of corrosion.

**Note;** It is a misconception that stainless steel is rust proof. Stainless steel will degrade like all other metals.

The term "stainless" implies a resistance to staining, rusting and pitting. Stainless steel generally has a higher resistance to the effects of exposure but can still be affected by the elements.

Stainless steel is susceptible to fingerprints and smudges and will also corrode from salt air oxidation, blood and any other damaging elements. For more information on this or other Kilwell products visit [kilwell.co.nz](http://kilwell.co.nz)



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