

These kits are designed for use with the Rutland Windcharger Marine Mount Pole Kits. (Part Nos: CA-12/01, CA-12/02 & CA-12/38). Please refer to installation instructions thereof.

This Stays Kit is designed for attaching your Rutland Marine Mounting Pole Kit to a 1" (25mm) diameter handrail (usually around the push-pit). It is highly recommended that the complete system is installed first without the Windcharger fitted. Read through these instructions carefully before commencing installation.

Check you have received: (see Fig.4-5)

- 2x 22mm dia x 1200mm Stays for CA-12/32(500/910) or 1350mm for CA-12/39(1200)
- 4x 22mm internal diameter drilled End Caps
- 4x M5 x 35mm bolts
- 4x M5 Nyloc Nuts
- 2x Hinged Rail Clamps
- 2x Split PVC Tubes 25mm (spacers)
- 2x 8mm Grommets
- 2x M6x20 Hex Head Screws/Washers & Nyloc Nuts
- 1x 3mm Allen Key
- 1x 3/16" Allen Key

What you will need:

- Screwdriver (Flat-blade)
- 2x10mm Spanner
- 2x 8mm Spanner
- Measuring Tape
- Hacksaw
- Spirit Level
- 5mm drill bit

Determining the length of Stays:

When the location for the mounting pole has been established and the pole kit assembled the length of the stays must be determined. It is recommended that the angle of the stays between each other is in the range of 60 to 120° (see Fig.2) and the angle to the upright in the range of 30 to 45° (see Fig.3).

If this angle is exceeded then the stays should be cut down with a hacksaw. To determine the length:

- Fit the End Caps to the pole using the guy brackets supplied with the pole kit (see Fig.3) and the Hinged Rail Clamps and End Caps to the rail in the desired position (see Fig.4).
- Measure between the two and add 28mm x 2 to allow for the depth of the End Caps. Cut the stays to the required length and de-burr the cut ends.

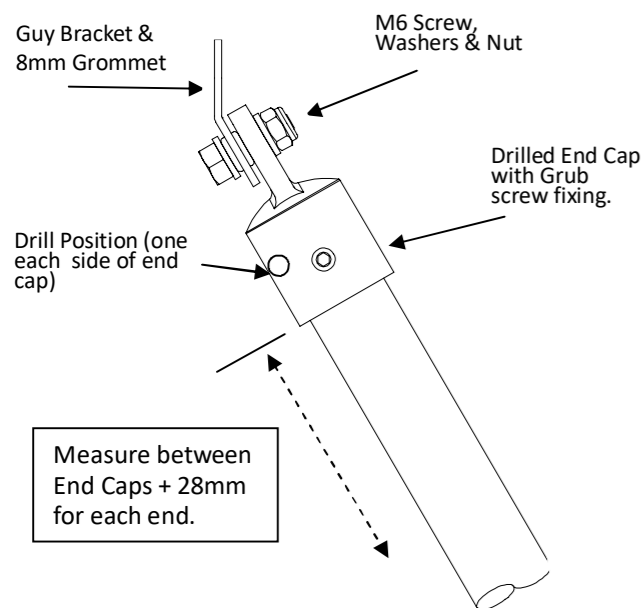
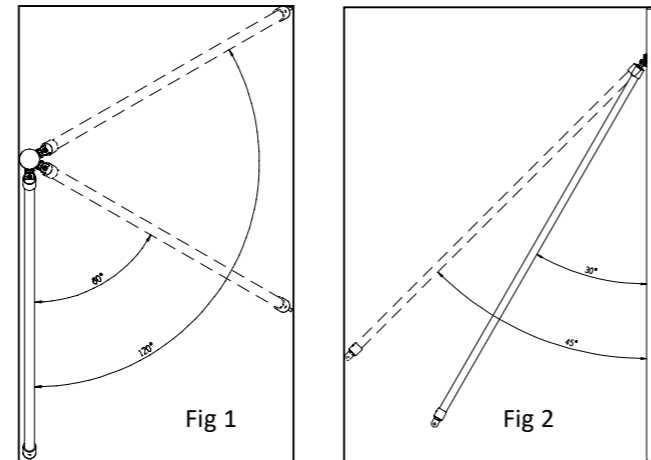


Fig 3
Top End Cap fixes to the mounting pole

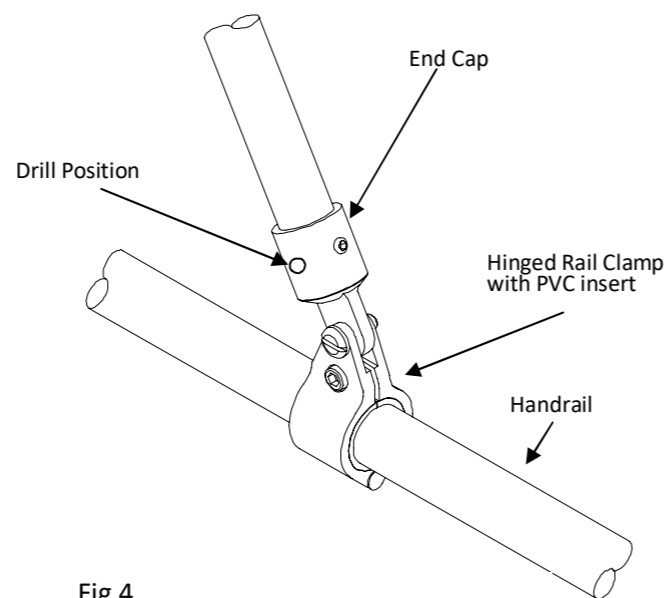


Fig 4
Bottom End Cap fixes to the handrail.

The Marlec Engineering Company Limited Warranty provides free replacement cover for all defects in parts and workmanship for 24 months from the date of purchase. Marlec's obligation in this respect is limited to replacing parts which have been promptly reported to the seller and are in the seller's opinion defective and are so found by Marlec upon inspection. A valid proof of purchase is required if making a warranty claim.

Defective parts must be returned by prepaid post to the manufacturer Marlec Engineering Company Limited, Rutland House, Trevithick Road, Corby, Northamptonshire, NN17 5XY, England, or to an authorised Marlec agent.

This Warranty is void in the event of improper installation, owner neglect, misuse, damage caused by flying debris or natural disasters including lightning and hurricane force winds. This warranty does not extend to support posts, inverters, batteries or ancillary equipment not supplied by the manufacturer.

No responsibility is assumed for incidental damage. No responsibility is assumed for consequential damage. No responsibility is assumed for damage caused by the use of any unauthorised components.



Manufactured in the UK by
Marlec Engineering Co Ltd

Distributed in the UK by
Sunshine Solar Ltd
www.sunshinesolar.co.uk

Final Assembly:

- Fit the End Caps onto the Stays and secure with the 3mm Allen Key supplied.
- Using a 5mm drill bit, drill the pole through each entry hole SEPARATELY.
- Insert the M5 x 35mm bolt and nyloc nuts
- Fit the 8mm grommet in one hole in each guy bracket.
- Attach the top End Caps to the guy brackets using M6x20 screws, washers & Nyloc nuts (Fig.3).
- Attach the Hinged Rail Clamps to the rail in approximately the correct position with the PVC spacer between the clamp and rail-do not tighten at this stage (Fig.4).
- Using a spirit level ensure the pole is vertical-slide the clamps along the rail as necessary.
- When the pole is vertical tighten the clamps using the 3/16" Allen key and flat blade screwdriver.
- Tighten the M6 Nyloc nuts on the guy brackets using 10mm spanners. (see Fig.5)

Final Checklist & Routine Maintenance

- Before commissioning the installation, re-check the tightness of all nuts, screws and grub screws. These should be checked at regular intervals.
- The mounting system including stays should be inspected 1 month after installation to ensure that rigidity is being maintained and that fasteners are tight. Regular inspections are recommended at a minimum of 1 per year and additional inspections following exposure to gale force winds.
- Wipe down stainless steel surfaces from time to time to prevent blemishing.

RUTLAND MARINE MOUNTING STAYS KITS

Installation Instructions

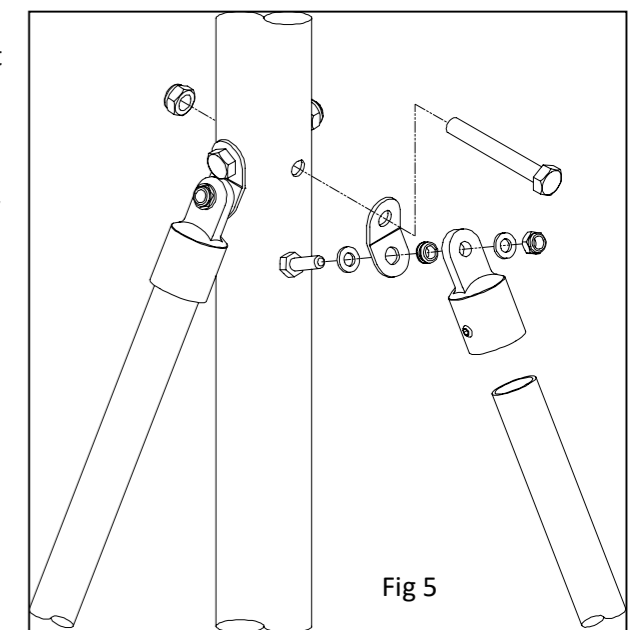


Fig 5