TSR **Instructions**

Spinlock **TSR Organisers:**

TSR must be mounted on a flat surface.

The deck structure must be sufficient for the 1500kg working load of each sheave.

The deck structure must be capable of withstanding 1500kg of compression produced by each fixing bolt.

The minimum sheave spacing is 34mm and can be increased in 1mm increments. Any less than 1mm increments will result in difficulty assembling the upper organiser structure and shorten product life.

Pre-Assembled **TSR Organisers:**

Work out the best position for the organiser to manage the ropes.

Mark up the deck in accordance with the drawing provided.

Drill 12.5mm holes perpendicular to the deck.

Installation:

Screw the stud into the underside of the axle approximately 12mm.

Dry fit into the deck. Mark each stud leaving 15mm of thread protruding for the 'top hat' washer and nut. These can now be cut to length if required.

Thread lock in the studs to the axles.

Apply sealant to each hole and mount the axel and studs, use the 'top hat' under deck washers with the flat surface down and screw on the nuts. Tighten to 17Nm.

Clean up excess sealant making sure the stainless steel axles are completely clean on deck.

Check each sheave rotates easily. If not excess sealant has been used. Disassemble, clean, re-assemble and try again.

Kit **TSR Organisers:**

Sheaves must be in a straight line. Use a sheave to plan the best position for organising each rope. Mark the approximate position for each.

Once this is done mark the final drilling position making sure they are spaced at 1mm increments and no less than 34mm apart.

Drill 12.5mm holes perpendicular to the deck.

Installation:

Disassemble the organiser taking note of assembly.

Screw the stud into the underside of the axle approximately 12mm.

Dry fit each stud and axle into the deck. Mark each stud leaving 15mm of thread protruding for the 'top hat' washer and nut. These can now be cut to length if required.

Thread lock in the studs to the axles.

Apply sealant to each hole and mount the axle and studs, use the 'top hat' under deck washers with the flat surface down and screw on the nuts. ONLY tighten to 4Nm at this stage.

Clean up excess sealant making sure the stainless steel axles are completely clean on deck.

Measure the distance between the centres of the two end sheaves, add 20mm and cut the rails to this length.

Starting at one end position the square black alloy plates on top of the axles taking note of the orientation marks. For 'even' distance (34, 36, 42mm and so on) between axles the marks should point in the same direction (> > for example). For 'Odd' distances (35, 37, 43mm and so on) marks should point towards or away from each other (< > or > <) See fig. 1.

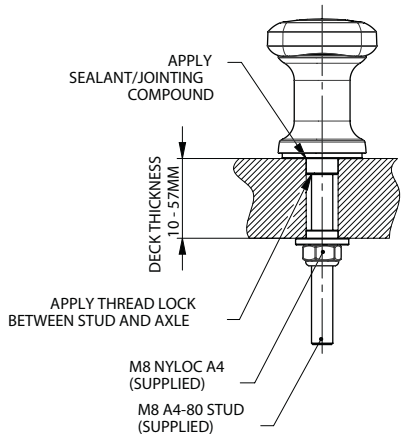
Place the rails on the plates and make sure the grooves, in the top plates and rails, engaged properly and sit flat.

Position the end caps and top caps then screw in the short M8 CSK bolts. Check the rails and plates are still properly engaged. Tighten to 17Nm.

Now, starting in the middle, tighten the under deck nuts to 17Nm.

Check all the sheaves are rotating properly. If they are not check for sealant and incorrect assembly.

FIG. 2



TSR **Instructions**

Spinlock **TSR Organisers:**

TSR must be mounted on a flat surface.

The deck structure must be sufficient for the 1500kg working load of each sheave.

The deck structure must be capable of withstanding 1500kg of compression produced by each fixing bolt.

The minimum sheave spacing is 34mm and can be increased in 1mm increments. Any less than 1mm increments will result in difficulty assembling the upper organiser structure and shorten product life.

Pre-Assembled **TSR Organisers:**

Work out the best position for the organiser to manage the ropes.

Mark up the deck in accordance with the drawing provided.

Drill 12.5mm holes perpendicular to the deck.

Installation:

Screw the stud into the underside of the axle approximately 12mm.

Dry fit into the deck. Mark each stud leaving 15mm of thread protruding for the 'top hat' washer and nut. These can now be cut to length if required.

Thread lock in the studs to the axles.

Apply sealant to each hole and mount the axel and studs, use the 'top hat' under deck washers with the flat surface down and screw on the nuts. Tighten to 17Nm.

Clean up excess sealant making sure the stainless steel axles are completely clean on deck.

Check each sheave rotates easily. If not excess sealant has been used. Disassemble, clean, re-assemble and try again.

Kit **TSR Organisers:**

Sheaves must be in a straight line. Use a sheave to plan the best position for organising each rope. Mark the approximate position for each.

Once this is done mark the final drilling position making sure they are spaced at 1mm increments and no less than 34mm apart.

Drill 12.5mm holes perpendicular to the deck.

Installation:

Disassemble the organiser taking note of assembly.

Screw the stud into the underside of the axle approximately 12mm.

Dry fit each stud and axle into the deck. Mark each stud leaving 15mm of thread protruding for the 'top hat' washer and nut. These can now be cut to length if required.

Thread lock in the studs to the axles.

Apply sealant to each hole and mount the axle and studs, use the 'top hat' under deck washers with the flat surface down and screw on the nuts. ONLY tighten to 4Nm at this stage.

Clean up excess sealant making sure the stainless steel axles are completely clean on deck.

Measure the distance between the centres of the two end sheaves, add 20mm and cut the rails to this length.

Starting at one end position the square black alloy plates on top of the axles taking note of the orientation marks. For 'even' distance (34, 36, 42mm and so on) between axles the marks should point in the same direction (> > for example). For 'Odd' distances (35, 37, 43mm and so on) marks should point towards or away from each other (< > or > <) See fig. 1.

Place the rails on the plates and make sure the grooves, in the top plates and rails, engaged properly and sit flat.

Position the end caps and top caps then screw in the short M8 CSK bolts. Check the rails and plates are still properly engaged. Tighten to 17Nm.

Now, starting in the middle, tighten the under deck nuts to 17Nm.

Check all the sheaves are rotating properly. If they are not check for sealant and incorrect assembly.

FIG. 2

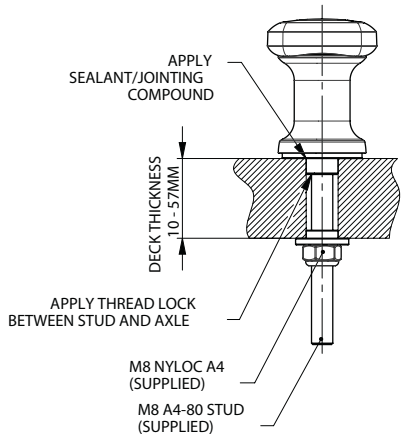
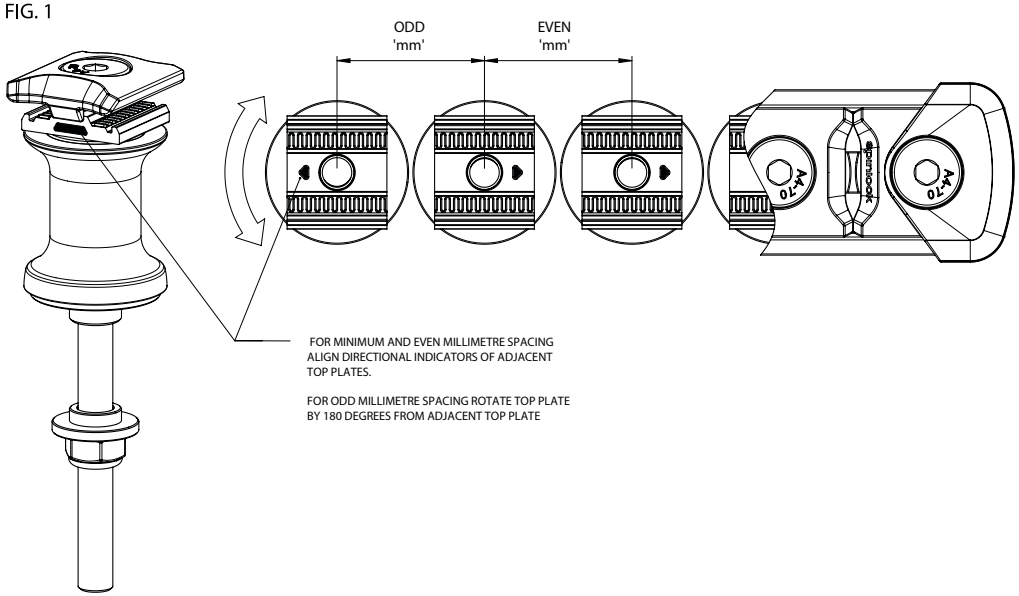


FIG. 1



customer **service**

Spinlock's after sales service is available worldwide through our distribution network. Should you need any help in obtaining spare parts, or advice with repairs, your local Spinlock expert can provide a fast and professional service.

Spinlock Ltd
Cowes
England

prosupport@spinlock.co.uk
www.spinlock.co.uk

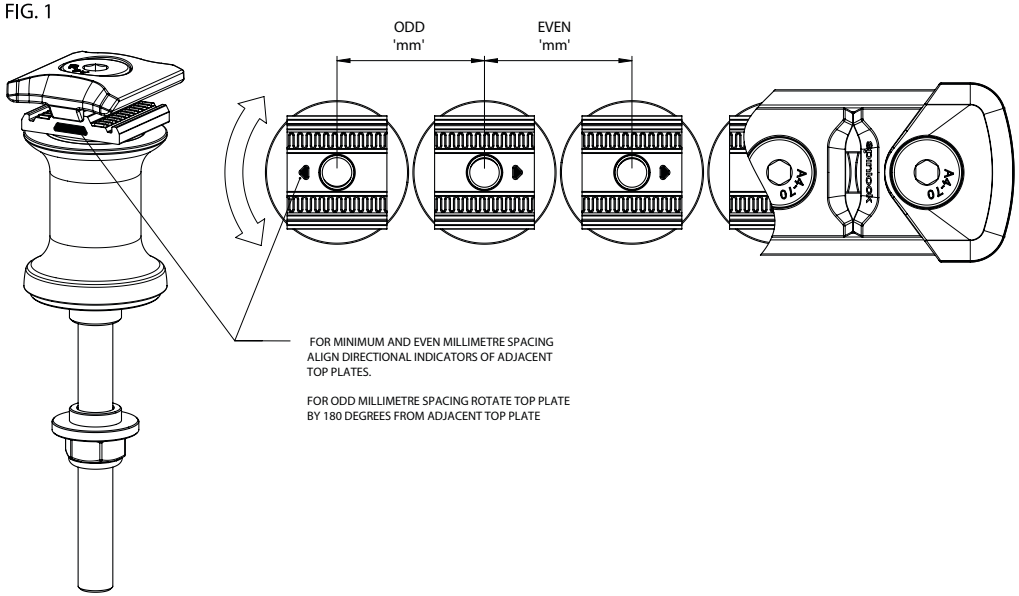
IMPORTANT
Spinlock Limited accept no liability whatsoever for any claim that may relate directly or indirectly to the use of this equipment for any application or loading other than advised in current product information published by Spinlock Limited.

spinlock

the experts in **rope holding**

TSR
Aft Organiser

FIG. 1



customer **service**

Spinlock's after sales service is available worldwide through our distribution network. Should you need any help in obtaining spare parts, or advice with repairs, your local Spinlock expert can provide a fast and professional service.

Spinlock Ltd
Cowes
England

prosupport@spinlock.co.uk
www.spinlock.co.uk

IMPORTANT
Spinlock Limited accept no liability whatsoever for any claim that may relate directly or indirectly to the use of this equipment for any application or loading other than advised in current product information published by Spinlock Limited.

3R861A/3

spinlock

the experts in **rope holding**

TSR
Aft Organiser