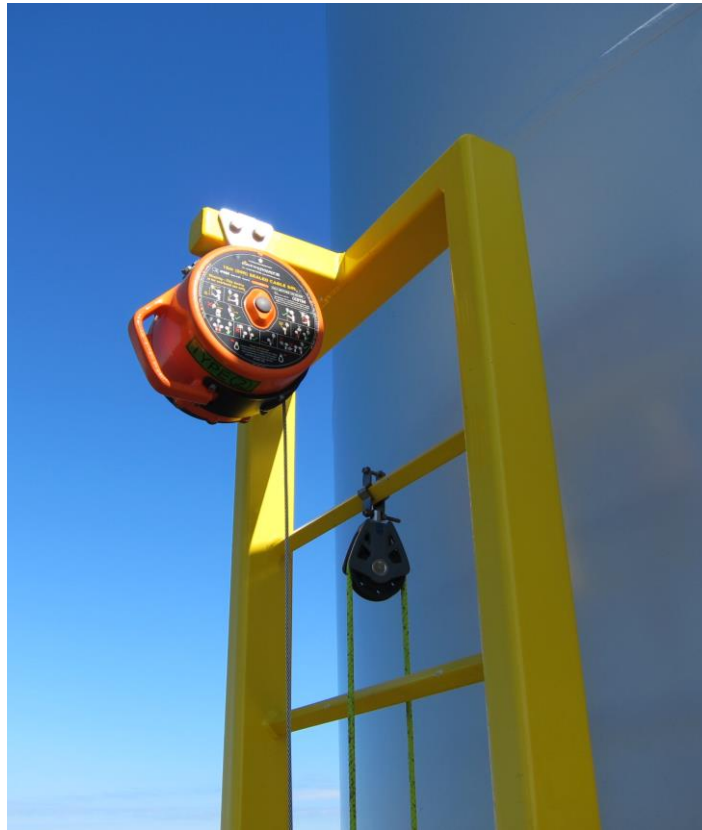


## **ManSafe® offshore Sealed SRL** Installing to secondary steelwork on offshore wind turbines



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## Important

Please read these installation instructions carefully before installing this product. Please pay particular attention to all sections that carry warning symbols and notices.



### **WARNING!**

**THIS IS A WARNING SYMBOL. THIS SYMBOL IS USED THROUGHOUT THE INSTRUCTIONS WHENEVER THERE IS A RISK OF PERSONAL INJURY OR DEATH TO EITHER THE INSTALLER OR END USER OF THE PRODUCT. ENSURE THAT THESE WARNINGS ARE READ AND UNDERSTOOD AT ALL TIMES.**



### **CAUTION!**

**THIS IS A CAUTION SYMBOL. THIS SYMBOL IS USED THROUGHOUT THE INSTRUCTIONS WHENEVER THERE IS A RISK OF DAMAGING THE LATCHWAYS PRODUCT. ENSURE THAT THESE CAUTIONS ARE READ AND UNDERSTOOD AT ALL TIMES.**



### **MANDATORY**

**THIS IS A MANDATORY SYMBOL. THIS SYMBOL IS USED THROUGHOUT THE INSTRUCTIONS WHENEVER THERE IS A SPECIFIC INSTRUCTION FOR LATCHWAYS PRODUCT. ENSURE THAT THESE INSTRUCTIONS ARE READ AND UNDERSTOOD AT ALL TIMES.**

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## Initial consideration



Determine if the proposed secondary steel work is an appropriate structure for fixing to, and is capable of withstanding fall arrest loads. The Sealed SRL will limit the force to a maximum of 4 kN.

The secondary steel work shall be capable of sustaining a maximum load capacity of 20 kN as per EN 50308:2004 - *Wind turbines. Protective measures. Requirements for design, operation and maintenance.*

## General Information

1. The following system of work is designed for installing the Latchways Sealed SRL (62816-00LE, 62817-00LE, 62818-00LE, 62819-00LE, 62826-00LE & 62827-00LE or similar) to secondary steel work or an attachment post (62897-00 or similar) in accordance with the safety rules and safe working practices required by the relevant authority.

2. Sealed SRLs marked **TYPE 1** must only be installed on upper ladders, for use from a fixed platform onto a ladder. Sealed SRLs marked **TYPE 2** must only be installed on the lower ladders (vessel to boat landing ladder).

A Type 1 Sealed SRL will lock on quicker than a Type 2 Sealed SRL.

3. It is understood that all personnel involved in the methods described are competent to work at height and on offshore wind turbines.
4. The person in charge of the work should ensure that they are in possession of any necessary safety documents, an On Site Risk Assessment has been carried out and all members of the working party are briefed in the works (and any restrictions) prior to work commencing.
5. All personnel are required to use the correct P.P.E. at all times during the work.

## Tools

The following tools are required for the installation:

- 2 x 19 mm Spanners
- 1 x Flat Nose Pliers

## Components

The following components are required for the installation:

- 1 x Sealed Self Retractable Lifeline (SRL) incl. Slide On Attachment Point with Fixings:
  - 2 x M12 Bolts
  - 2 x M12 Castellated Nuts
  - 4 x Washers
  - 2 x Split Pins

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## Fitting the Sealed SRL

1. Slide the Sealed SRL onto the secondary steel work or attachment post (62897-00 or similar), located at the top of the ladder, the Sealed SRL can be fitted with either its handle facing towards the ladder (Figure A.), or away from the ladder (Figure B.), depending upon the ladder configuration and interaction with tether/tag lines.

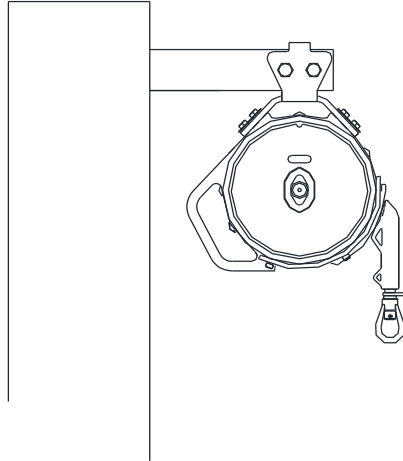


Figure A. – Facing towards the ladder

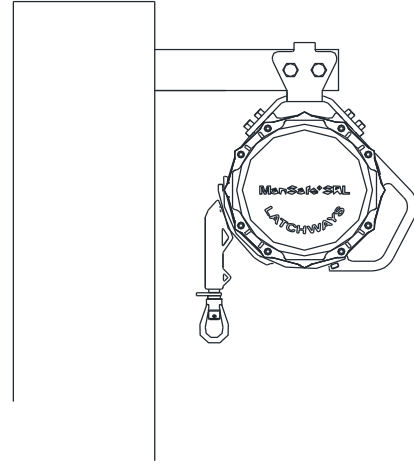


Figure B. – Facing away from the ladder

2. Once fitted in place, fix the Sealed SRL to the secondary steel work/attachment post with the M12 fixings provided using 2 x 19 mm spanners/wrenches.
3. After the fixings are fully tightened, secure the castellated nuts in place using the 2 x split pins provided, ensuring that the split pins are inserted into the M12 bolts and the legs are separated securing the nuts in place (see Figure C. below), using the flat nose pliers.



Figure C. – Split pins captivating nuts in place

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## Inspection and Maintenance

### Inspection

Every 12 months visually inspect the removable Sealed SRL attachment point, including 2 off anchor bolts, split pin, nuts and washers for any signs of corrosion, damage, contamination or excessive wear.

### Maintenance

The Sealed SRL slide on attachment point has been designed so that very little maintenance is required.

The attachment point can be cleaned to remove any surface contaminants or any built up of dirt with the use of a suitable detergent.

When wet the post should be allowed to dry in a natural environment.

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