

# Engineered cable-based fall protection system specification

To be Latchways ManSafe® Constant Force® post system as manufactured by Latchways plc, Hopton Park, Devizes, Wiltshire, SN10 2JP, United Kingdom. Tel: +44 (0)1380 732700 Fax: +44 (0)1380 732772. E-mail: [info@latchways.com](mailto:info@latchways.com) Web: [www.latchways.com](http://www.latchways.com) to ISO 9001:2008 and ISO 14001:2004. Refer to drawings for roof type and system configuration.

## Product quality

Baseplate and body manufactured from coated aluminium with electro polished 316 grade stainless steel dome. The internal coil, control mechanism and other elements to be manufactured from 316 grade stainless steel.

## EN Standards

Compliant with EN 795:2012 (Type A & C) Personal fall protection - Anchor devices one user. Evidenced by a Declaration of Conformity detailing the product, the European Standard, name of the independent Notified Body and date.

Compliant with CEN/TS 16415:2013 (Type A & C) Personal fall protection equipment - Anchor devices - Recommendations for anchor devices for use by more than one person simultaneously. Evidenced by a Declaration of Conformity detailing the product, the European Standard, name of the independent Notified Body and date.

## Constant Force post energy absorption and load control

Each post will contain a stainless steel energy absorbing coil and mechanism that enables the coil and post body assembly to deploy in a predictable manner, in any direction and at a controlled rate.

Deployment of an anchor device(s) shall occur without damage / loss of integrity of the roof and overall water tightness.

Each post will be capable of absorbing 6000 Joules (J) of energy whilst limiting the load transferred to the roof to 10 kN (mean). Each post will be able to absorb the energy of three users (300 kg) falling simultaneously in any direction.

## Number of users

The system will be suitable for unrestricted access by up to three users at any one time and at any point along the length of the system including between two posts.

## Maximum span between posts

The maximum span between posts shall be 10m.

## External finish

The combination of the coating applied to the post elements will be compliant to EN 12206-1:2004 and have been tested to the following methods with the specified results:

- 1,000 hours of neutral salt spray according to ASTM D1186, method B without any signs of corrosion, coating separation nor reduction in sheen.
- 1,000 hours of acetic acid salt spray according to ISO 2360:2003 without any signs of corrosion in any finishes.

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## System labelling

Labelled according to EN 365:2004 General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging.

## Wire rope

To be Ø 8mm 7x7 316 grade stainless steel wire rope with a 38 kN minimum breaking load.

## Cable termination

Swaged termination manufactured from 17/4 PH grade stainless steel to include a visual swage slip indicator, system tensioning device with integral indicator.

## Extremity, corner and intermediate brackets

To be manufactured from electro polished 316 grade stainless steel.

## Transfastener® (mobile anchor point)

Enabling continuous hands free operation to either side of the system without the need to detach.

CE marked and evidenced by an EC Declaration of Conformity detailing the product, the European Standard, name of the independent Notified Body and date.

## Connection to system

Energy absorbing lanyard (by others)

## Roof system compatibility

To be approved and or deemed suitable for use by the roofing system manufacture and maintain their roofing system warranty / guarantee.

## System Design, application, installation, maintenance, repair, annual inspection and certification

Undertaken only by Latchways Registered Installers. Details upon request.

**END**