

General

Check the work at height application for compatibility, the requirement for an RH2 (two point harness with dorsal and chest D-ring connection points.) or RH3 (4-point harness with dorsal and chest D-ring connection points, plus work positioning belt with side D-ring connection points) and size of harness required.

Product quality

The descender device, chassis, rack bars and release housing to be manufactured from hard anodized aluminium alloy. Critical components to be manufactured from 17/4 PH stainless steel with all other metallic components manufactured from marine grade 316 stainless steel.

The descent line and load webbing to be manufactured from an Ultra-High Molecular weight Polyethylene (UHMwPE) and para-aramid with a minimum breaking load of 12 kN.

EN Standards

Descender device to be compliant with EN 341:2011 (Type 1 Class D) Personal fall protection equipment – Descender devices for rescue and evidenced by a Declaration of Conformity detailing the product, the European Standard, name of the independent Notified Body and date.

Full body harness to be compliant with EN 361: 2002 Personal protective equipment against falls from a height – Full body harnesses and evidenced by an EC Declaration of Conformity detailing the product, the European Standard, name of the independent Notified Body and date.

Assessed against EN 13463-1: 2009 and EN 13463-5: 2003 under ATEX category Ex II 2 G c IIC T3.

Product marking

Marked in accordance with clause 6 of EN 341: 2011 Personal fall protection equipment, including clause 4.8 of EN 365: 2004 Personal protective equipment against falls from a height. General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging

The full body harness shall be marked in accordance with clause 6 of EN 361: 2002 Personal protective equipment against falls from a height - Full body harnesses, including clause 2.2 of EN 365: 2004 Personal protective equipment against falls from a height. General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging, with information, supplied by the manufacturer, in the language of destination.

Number of users

Single user, self-rescue only.

Weight

3.6 kg including the harness.

Latchways PRD controlled descender device

Descender device to contain a rappel rack, conical brake and regulator enabling a controlled rate of descent between a minimum load of 59 kg and maximum load of 140 kg.

Maximum descent length 20 meters within an operating temperature range of -20° and +60° C.

In the event of a fall, descent is initiated by the user via the release cord and shall occur without a need for any further intervention.

In the event of the user becoming incapacitated, descent may be initiated by a third party via use of the secondary release mechanism.

Harness

Workman Premier Harness manufactured with durable, highly UV resistant Polyester webbing with contrast stitching and unique integrated impact/fall indicators. Powder coated aluminium & steel fittings with fall arrest rated frontal attachment loops.

Rappel rack

Manufactured from 316 and 17/4PH Stainless Steel with 6082 aluminium bars.

Internal mechanisms

Dustproof rated to IP56 (ingress protection) and waterproof.

Anchor device requirement

The anchor device to which the descender device is attached shall be in accordance with EN 795: 2012 Standard for the testing of anchor devices and sustain a minimum load of 12 kN.

Connection to the descender device

Via the rear dorsal fall arrest attachment with either an energy absorbing lanyard compliant with EN 354: 2010 & EN 355: 2002 or retractable type fall arrester compliant with EN360: 2002.

Maintenance after deployment

After a single descent, the descender device shall be withdrawn from service, details recorded on the periodic examination log and returned to the manufacturer or authorised agent for repair/ replacement.

Harness replacement

Undertaken only by the manufacturer or authorised agent. Alternative harness compatibility to be clarified, upon request, by the manufacturer.

Periodic examination

Undertaken only by competent individuals. Details upon request and training courses provided.