

# Latchways Personal Rescue Device® (PRD®) Product specification

To be Latchways Personal Rescue Device® 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.

## 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.

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## 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

Polyester webbing with powder coated aluminium & steel fittings and black powder coated steel chest attachment point.

## 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.

**END**