

Latchways Personal Rescue Device (PRD) 20 m PRD



Product Description

Personal Protective Equipment (PPE) for fall arrest is used to arrest a worker in the event of a fall and limit forces applied to the worker and to the connecting anchor device.

A fall arrest system comprises of a body holding device (full body harness), a connecting subsystem (fall arrest lanyard with built in energy absorber), a connector (karabiner/hook) and an anchor device (lifeline/anchor). The Latchways Personal Rescue Device (PRD) is intended to be used as body holding device and comprises an integral rescue device used within a fall arrest system.

The PRD provides a means of self-rescue for the user, by means of a controlled descent to a safe location, following the arrest of a fall by the fall arrest system

The PRD can be used at any location where fall protection is needed and a certified anchor device is available at a maximum height of 20 metres (inspection work, general construction & maintenance work etc).

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Key Features

- The PRD includes three separate braking mechanisms to ensure a safe, controlled descent without requiring user intervention beyond initial activation.
- High strength Dyneema/Aramid Kernmantle construction rope ensures sufficient capacity for working up to 20 metres above ground without adding significant weight to the device.
- Rugged 'parachute style' mechanical release allows for simple operation of device in even the most extreme environments.
- The PRD device is fully enclosed in a rugged textile bag, designed to fit to full body harness straps, helping to position the device and prevent incorrect harness adjustment by users.
- All internal components are manufactured from materials with high corrosion resistant properties.
- All Latchways PRDs are individually serial numbered to ensure full traceability.



Approvals

- BS EN 341:2011 *[Personal fall protection equipment - Descender devices for rescue] – Class D*
- ANSI Z359.4-2007 *[Safety requirements for assisted-rescue and self-rescue systems, subsystems and components]*
- ISO 22159: 2007 *[Personal equipment for protection against falls – Descending devices] – Type 1, Class D*
- BS EN 361: 2002 *[Personal protective equipment against falls from a height – Full body harnesses]*
- BS EN 358: 2000 *[Personal protective equipment for work positioning and prevention of falls from a height – Belts for work positioning and work positioning lanyards]*
- BS EN 60529: 1992 *[Specification for degrees of protection provided by enclosures (IP code)] – Rating IP56*
- Directive 94/9/EC *[ATEX Directive] – Type II 2 G c IIC T3*
- ISO 9001:2008 Certified company

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Materials

Chassis	Hard anodised aluminium alloy LM6
Rack	316 stainless steel rack with 6082 aluminium alloy bars
Rope	Dyneema core with Aramid overbraid
Drum	Polycarbonate-ABS T65
Attachment	6082 aluminium alloy
Harness (if supplied)	Polyester webbing with stainless steel attachment clips
Backpack	900D PVC with Polyester backing

User mass

Suitable for users of mass between 59 kg & 140 kg

Loading

Static Strength > 12 kN

Speeds

Descent speed between 0.5 – 2.0 m/s or 1.6 – 6.6 ft/s (dependent on user mass)

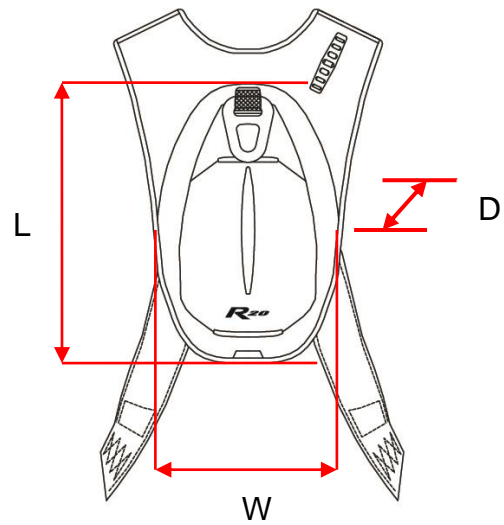
Quality Control

- 100% gauge inspection
- 100% visual inspection
- 100% descent / braking performance tested
- X-ray inspection of cast components
- Batch conformance test – dynamic strength
- Batch conformance test – static strength
- Production conformance test

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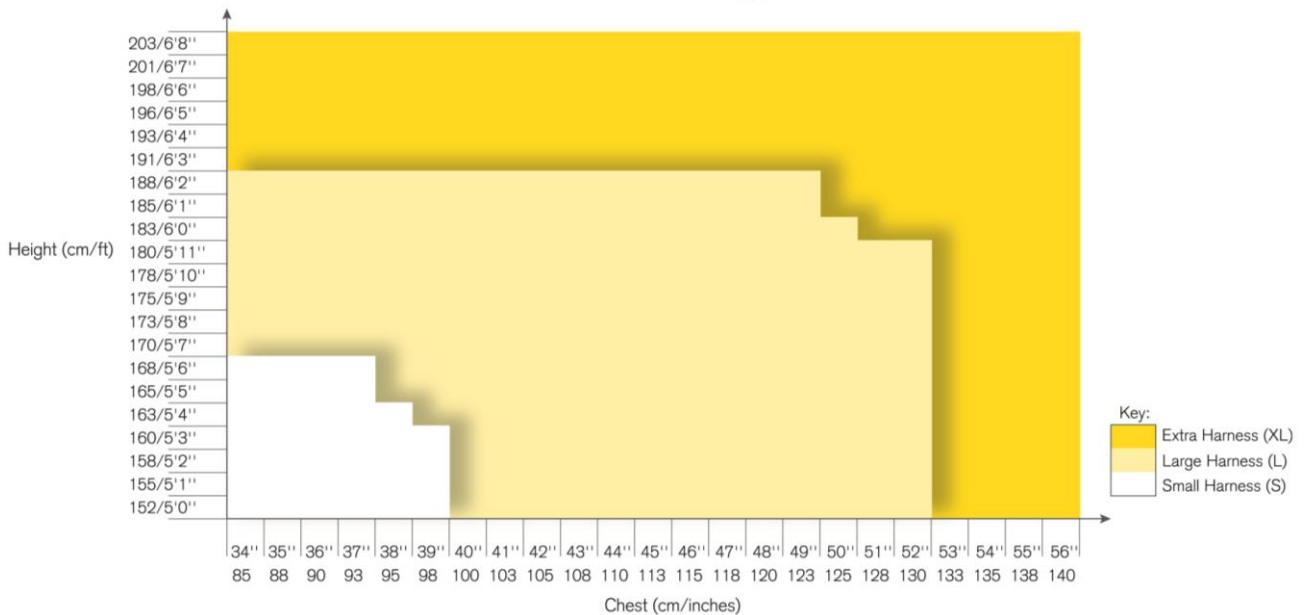
Product Options

<i>Size</i>
<i>L x W x D (mm)</i>
280 x 180 x 80



Part Number	Part Description	Length (metres/feet)	Line Type	Size L x W x D (mm)
68202-00	20 m PRD with RH2 (two-point) harness	20 m / 66 ft	Dyneema core with Aramid overbraid	PRD size as above.
68203-00	20 m PRD with RH3 (three-point) harness			PRD size as above.

Latchways Personal Rescue Device Harness Sizing Chart



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