



FALL PROTECTION

Fall Protection Equipment

All Proguard harnesses, positioning belts, energy absorbers, lanyards, hooks, anchorage, & tripods are independently tested and certified by SIRIM & DOSH in accordance with EN Standards such as EN361, EN813, EN358, EN354, EN355, EN360, EN362, EN353-2, EN795. While some brands will 'self-certify' or claim to use a third party assurance program, Proguard invests in the most respected and much stricter SIRIM's Certification & DOSH audit process for total Quality Assurance. Independent auditing of Proguard products by SIRIM & DOSH ensures retailers, HSE officers, and end users can have the utmost confidence that Proguard fall protection products meet or exceed the protection as required by European Standards.

Fall Protection Standards

EN353-2 : 2002	Personal protective equipment against falls from a height - Part 2: Guided type fall arresters including a flexible anchor line.
EN354: 2010	Personal fall protection equipment- Lanyards.
EN355: 2002	Personal protective equipment against falls from a height - Energy absorbers.
EN358: 1999	Personal protective equipment for work positioning and prevention of falls from a height - Belts for work positioning and restraint and work positioning lanyards.
EN795: 2012	Personal fall protection equipment-Anchor devices.
EN813: 2008	Personal fall protection equipment-Sit harnesses.
EN360: 2002	Personal protective equipment against falls from a height- Retractable type fall arresters.
EN361: 2002	Personal protective equipment against falls from a height- Full body harnesses.
EN362: 2004	Personal protective equipment against falls from a height- Connectors.

Types of Personal Fall Protection System

There are four main personal fall protection systems when working at height.

- Fall Arrest System
- Rescue System
- Work Positioning and Restraint System
- Suspension System

Each system has different functions and it is important to know the differences and choose the correct safety system for the work to be done.

Full Body Harness

Proguard's range of safety harnesses comes with combination colour of orange and black. Equipped with unique features that provide full comfort and ergonomics to the wearer. This range of harnesses withstands the highest test of safety standards as laid out in the European Norms, and the harnesses are CE & SIRIM certified.

Work Positioning Body Belts

The work positioning system consists of work positioning body belt along with work positioning lanyard. This enables the worker to work at heights in a well-supported position with both his hands free. The work positioning body belts and work positioning lanyards should not be used for fall protection. Work positioning body belts have a sliding belt on the comfort pad which enables the user to easily position the adjustment buckle of the belt at the center of his waist for smooth functioning.

Lanyards

A lanyard is described as a connecting element of a system which is a critical link that joins the harness to the anchorage point. Proguard offers a wide range of lanyards made of twisted rope, kernmantle rope, or webbing, and different connector combinations as per the need of the user.

Hooks & Carabiners

Proguard provides a range of CE marked hooks & carabiners made from alloy steel & steel sheets. Proguard's range of hooks & carabiners come with the following special features:

- Are openable by minimum 2 deliberate consecutive manual actions.
- A range of manual & automatic locking hooks & carabiners.
- Tested for both gate function and gate resistance.
- Tested for corrosion resistance for minimum 72 hours of salt spraying testing.
- Certified as per EN requirements.

Anchor Systems

Proguard offers a wide range of anchorages in webbing, steel rope, or metal. Most of our anchor points are also in compliance with the latest European Standard EN 795:2012.

Self-Retracting Lifelines

One of the biggest challenges in fall protection is when the anchorage is too high to access and the clearance distance is too small. Proguard retractable fall arrester blocks provide an ideal solution for such a problem.

Unique Features:

Can be anchored to a single point and allows the user to move uninhibited at different levels. The connecting lanyard is such that it retracts or extends to different lengths as required and is always taut with no slack. In the event of a fall, the block locks immediately with minimum fall distance & lowers the impact of force to less than 6 kN.

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Tài liệu được tổng hợp bởi đội ngũ kỹ thuật của NPOWER Bản quyền nội dung thuộc về PROGUARD SAFETY





Casing	Available in both robust & polymer casing.
Lock Mechanism	Unique centrifugal braking mechanism.
Applications	Ideal for vertical use in various hazardous conditions for personnel weighing up to 136 kgs.
Retractable Life Line	Available in both webbing & GI wire rope.
Harness End Connector	Snap Hook or Carabiner.
Conformity	Tested and certified. Conforms to EN 360:2002.

How do I choose the right fall protection equipment for the job?

Falls are among the most common causes of serious work related injuries and deaths. Employers must set up the work place to prevent employees from falling off of overhead platforms, elevated work stations, or into holes in the floor.

How long does it take to fall?

Despite it not always being true, many workers believe that they have time to regain their balance before they fall.

The following table indicates how far you can fall in just a few seconds:

Time (second)	Distance (meters)
0.5	1.2
1.0	5
1.5	11
2.0	20
2.5	31
3.0	44
4.0	78

You may not have time to grab hold of something safe, but you can still prevent a tragedy by properly wearing a safety belt or full body harness and being attached to a secure anchorage.



CE: EN 362



SIRIM
CERTIFIED TO BS EN 362 : 2004
Certification No : P071009



JKKP/DOSH
Approval No: JKKP BP 11/17



Safety Carabiner

Model: 800

Self-closing steel carabiner comes with aluminium quarter turn manual screw locking system. Suitable to install with energy absorber, lanyards, or any fall protection accessories & also directly incorporating with any full body harness.

- Material: Zinc - plated steel.
- Opening: 20 mm.
- Static strength > 22kN.
- Conform to BS EN362 & SIRIM certification no: P071009.
- DOSH Approval No: JKKP BP 11/17

Product Code	Weight	Packaging
800	166 g	1 pc/polybag 6 pcs/box

CE: EN 341
EN12841



Descender Jumper

Model : DES-JP

This Descender Jumper can be used for both ascent and descent. It is equipped with a unique braking system which brakes immediately when the handle is released or clasped too tightly. Features a safe locking eye which prevents the rope from sliding out when operating as a descender. Designed with polymer coated cover to prevent the user from generating heat during descent.

- Material: Aluminium Alloy.
- Conform to EN 341 Type 2 Class B & EN 12841.

Product Code	Weight
DES-JP	450 g ± 10 g

CE: EN362



Pear Quick Link

Model: W7370-08

Manually locking steel quick link. Suitable to install with energy absorber, lanyards, & directly incorporating with any full body harness.

- Material: Zinc - plated steel.
- Opening: 15 mm.
- Static strength > 22kN.
- Conform to BS EN362.

Product Code	Weight	Packaging
W7370-08	106 g	1 pc/polybag

CE: EN341



Grip Descender

Model : DES-GP

Equipped with a unique braking system which brakes immediately when the handle is released or clasped too tightly. Ideal for rope descent system. Designed with polymer coated cover to prevent the user from generating heat during descent.

- Material: Aluminium Alloy.
- Conform to EN 341 Class A.

Product Code	Weight
DES-GP	350 g ± 10 g



Figure Of 8

Model : FIG8

The Figure of 8 is designed to be a component of a rope descent system as a manual braking device. It allows for quick and easy attachment or removal of connectors. A great tool for rappelling, rescue, mountaineering, or working-at-height.

- Material: Aluminium Alloy.
- Inner diameter: 26 mm and 52 mm
- Minimum Breaking Strength: 50kN
- Can hold up to 136 kg.

Product Code	Weight
FIG8	140 g