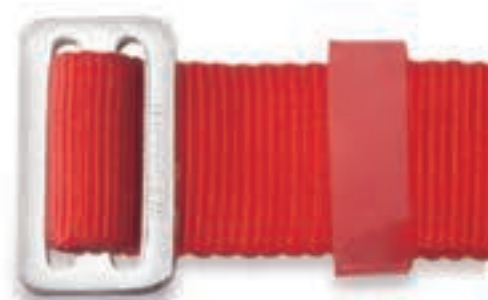


UDYOGI ®



SAFETY FIRST!

How adequate protection for workers can
enhance proactivity and profitability



Solutions
2014-15

UDYOGI 





**At Udyogi, we just don't
provide protective equipment.**

**We provide the right
protective equipment.**

SAFETY IS OUR CALLING CARD

Our Status

The Udyogi Group of Industries is India's largest manufacturer and exporter of personal protective equipment.

Our Background

Udyogi (commissioned in 1982) was promoted with the objectives of providing the best international protective equipment's in India. Over the last three decades the company has emerged as one of India's foremost safety equipment brands.

Our Specialization

Udyogi provides a comprehensive solution: from research to conceptualization to design to development and final use of industrial safety products and solutions.

Our Domain Expertise

Udyogi provides complete solutions across the construction, mining, oil rigs, power, refineries, petrochemicals, steel, transmission, aluminium, defence, telecommunication industries.

Our Offerings

Udyogi is among select Indian safety equipment's manufacturer servicing every client need with a diverse product portfolio comprising of Head to Toe safety products and emergency equipment.

Our Plants

Udyogi's three state of the art manufacturing facilities are located in West Bengal and one at the Dadra a Union Territory, across a consolidated area of 50000 square feet.

Our Quality

At Udyogi, we test and certify all that we market so that users can be completely assured in the knowledge that they are adequately protected at all times of use. It possesses an internationally benchmarked laboratory at its facilities in accordance with domestic and international standards (EN 361, 354, 397 and IS: 3521, 10592 and 2925).

Our Research

Udyogi's range of personal protective equipment is developed in consultation with users and professionals, designed to address specific needs within a range of activities involving the highest risk.

Construction

Oil and gas



Our Presence

Udyogi's distribution presence covers branches at Kolkata, Mumbai, Chennai, Delhi, Noida, Ahmedabad, Jamnagar and Bhubaneswar supported by more than 500 nationwide dealers. It has also consolidated its international footprint with a presence in the highly regulated markets of Eastern / Central Europe, South East Asia and the Middle East.

Beyond equipment

The Company's extended its services to site safety surveys that help in prescribing an effective equipment mix, safety audits that ensure all the safety measures are complied with, mock drills, training and workshops to ensure effective equipment utilisation.

Automotive

Cement

Iron and steel

Power

CONTENTS

Fall protection

6

Anchor **10**

Confined space & retrieval **14**

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Harnesses **36**

Work restraint lanyards **62**

Fall arrest lanyards **66**

Retractable fall arresters **72**

Rope grab fall arresters **76**

Hooks and connectors **78**

Rope access equipments

80

Rescue system

82





Systems and solutions: Comprehensive range, Collective protection, Fall prevention and restriction of movement, Fall arrest solutions, Rescue techniques, Remote and critical access solutions. Experience: Expert advise, Thorough hazard and risk assessment, Documented survey to execution, Strict safety and quality control

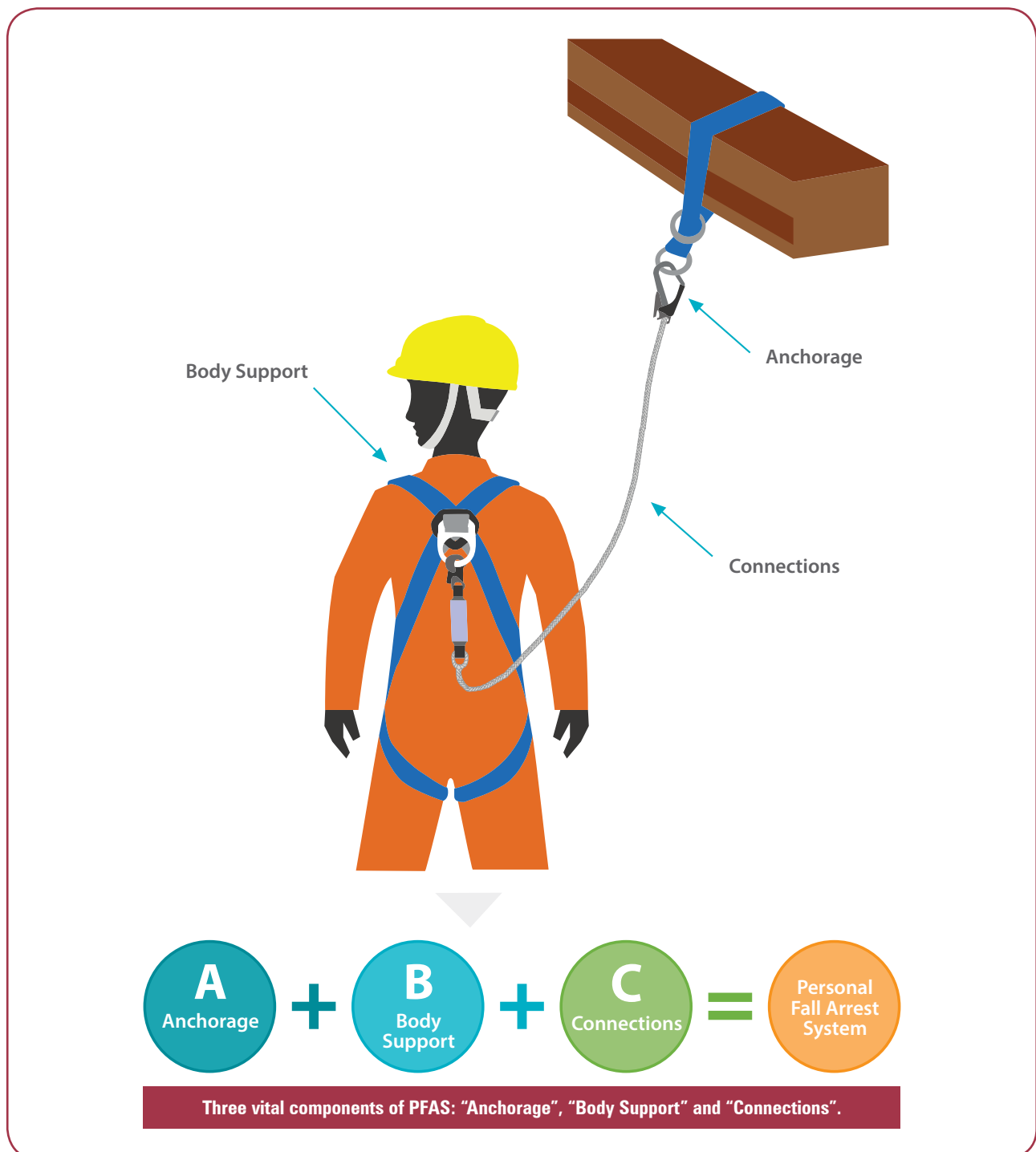


FALL PROTECTION

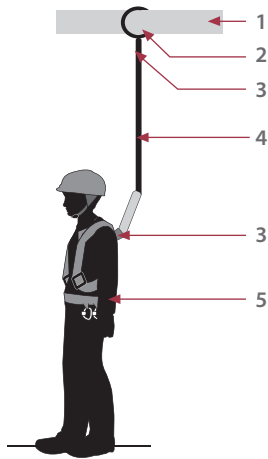


COMPONENTS OF A PERSONAL FALL ARREST SYSTEM

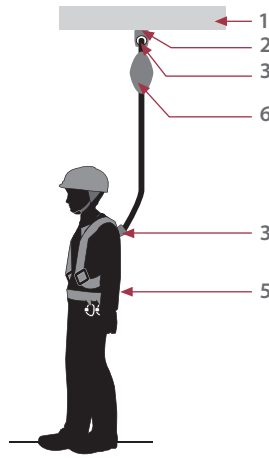
In general, a complete PFAS consists of three main components – ‘Anchorage’, ‘Body Support’ and ‘Connections’. In order to provide the desired level of protection, each of the components must be in place and properly used.



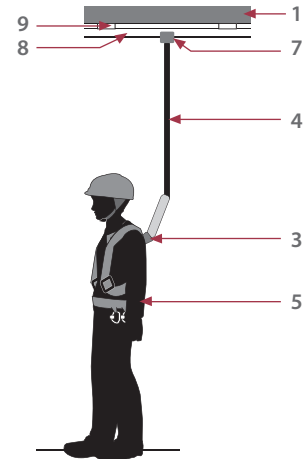
DIFFERENT TYPES OF FALL ARREST SYSTEMS



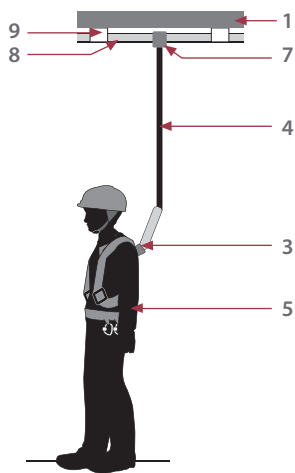
a) Fall arrest system based on an energy absorbing lanyard



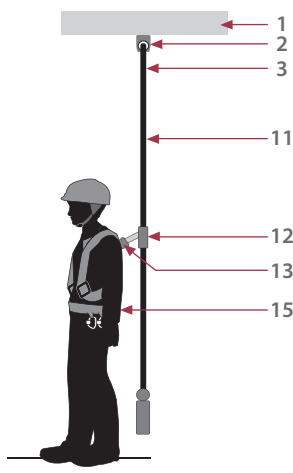
b) Fall arrest system based on a self retracting lifelines (SRL)



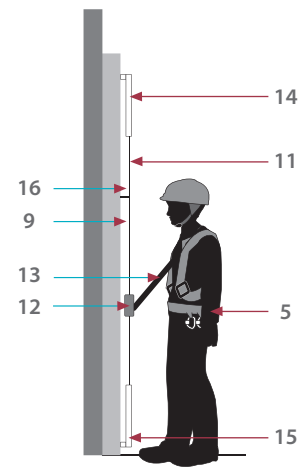
c) Fall arrest system based on a rigid horizontal lifeline



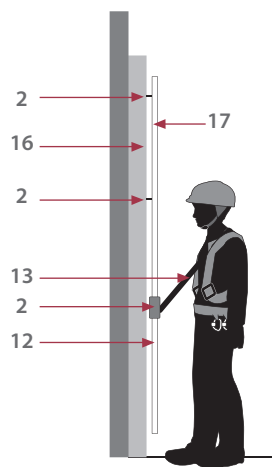
d) Fall arrest system based on a flexible horizontal lifeline



e) Fall arrest system based on a flexible vertical lifeline with an upper anchor



f) Fall arrest system based on a flexible vertical Lifeline with an upper and a lower anchor



g) Fall arrest system based on a rigid vertical lifeline

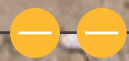
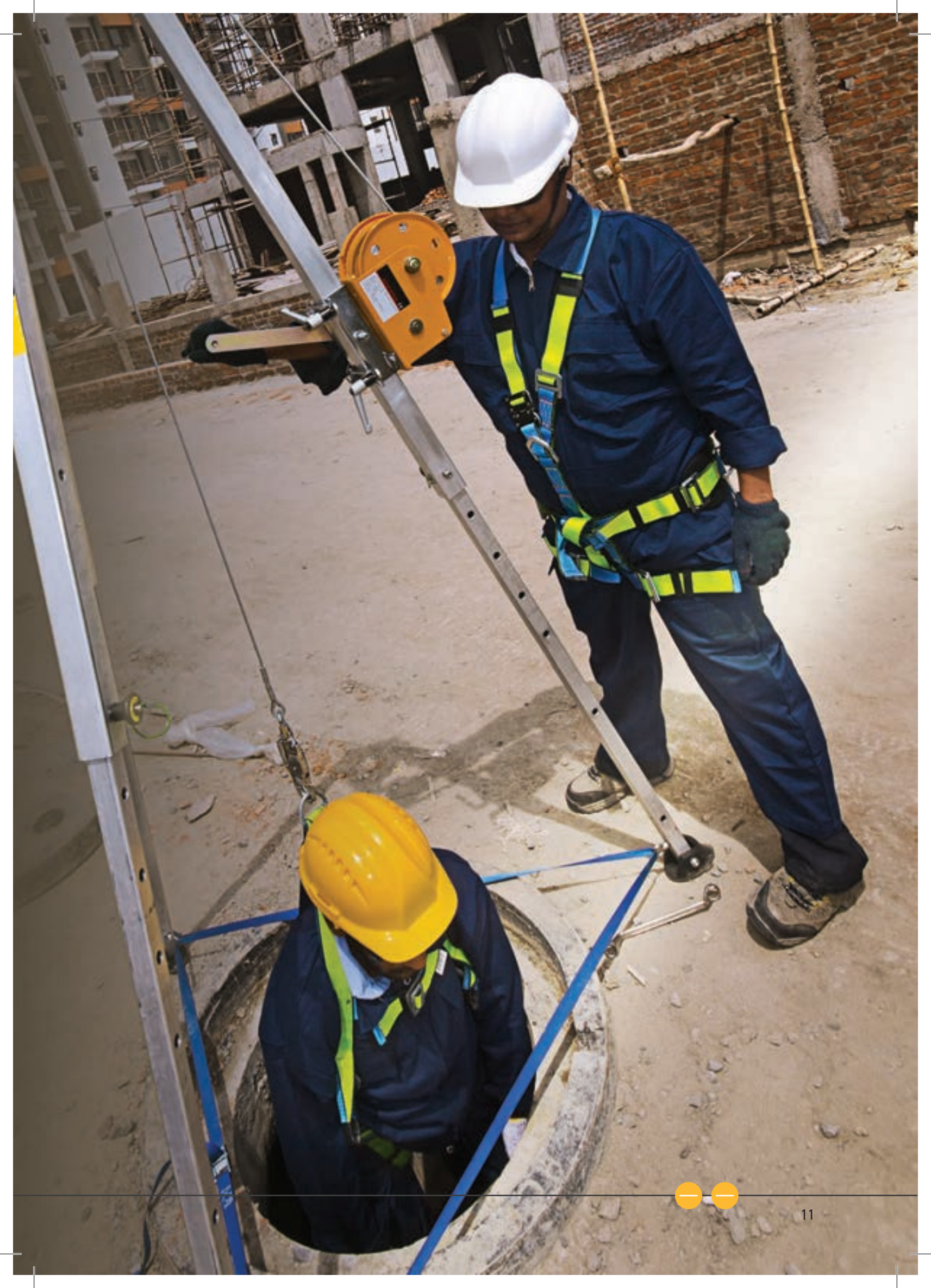
No	Key
1	Workplace structure
2	Anchor
3	Connector
4	Energy absorbing lanyard
5	Full body harness worn by user
6	Self retracting lifeline
7	Traveller
8	Rigid horizontal lifeline

9	Intermediate anchor
10	Flexible horizontal lifeline
11	Flexible vertical lifeline
12	Guided type fall arrester
13	Short connecting lanyard
14	Upper Anchor
15	Lower Anchor
16	Permanently installed ladder
17	Rigid vertical lifeline



Material: Best quality alloys of Aluminum, Zinc, Steel with anti-rust coatings, Wide range of high performance products. Performance: Engineered design, Robust and reliable, Adaptable, Catering to specific needs. Ranges: Fixed, Temporary, Static, Transportable, Dynamic, Horizontal and vertical lifelines, For every surface and structure guaranteeing extraordinary stability and optimum protection. Compliance: Compliant to stringent EN norms.

ANCHORS



ANCHOR

UNIVERSAL ANCHOR

Mobile Anchor with dynamic adjustability

- Fixing Range : Beam size from 130 mm to 330 mm
- Material : Aluminum Alloy with anodised finish
- Strength : 15 kN
- Weight : 4.715 kg
- Safe Working Load Limit 200 kgf
- It can be installed in any orientation (vertical or horizontal) with fixing arrangement using a built-in adjustment system
- Dual beam grip adjustment prevents twisting and turning
- Integral D-ring provides an anchorage connection point for shock absorbing and self-retracting lanyards
- Conforms to EN 795 - Class-A & B



FIXED BEAM ANCHOR

Sliding Mobile Anchor for horizontal movements

- Fixing Range : Beam size from 75 mm to 300 mm
- Material : High-strength Aluminum Alloy
- Strength : 15 kN
- Weight : 2.360kg
- Safe Working Load Limit 200 kgf
- Dual beam grip adjustment prevents twisting and turning
- Integral D-ring provides an anchorage connection point for shock absorbing and self-retracting lanyards
- Conforms to EN 795 - Class-B

ROLLER BEAM ANCHOR

Rolling Beam Anchor for horizontal mobility

- Fixing Range : Beam size from 75 mm to 300 mm
- Material : High-strength Aluminum Alloy
- Strength : 15 kN
- Weight : 3.535 kg
- Safe Working Load Limit 200 kgf
- Conforms to EN 795 - Class-B
- Glides effortlessly along the beam and provides horizontal mobility
- Attachable anywhere along the beam and provides horizontal mobility
- Integral D-ring provides an anchorage connection point for shock absorbing and self-retracting lanyards



Ideal for loading and unloading bays

ANCHOR SLINGS

Anchor slings are designed to be wrapped around the structure (e.g. beam).

Anchor slings made from webbing have a minimum breaking strength of 22 kN while the minimum breaking strength of anchor slings from wire rope is 15 kN

POLYESTER SLING

- Tie of Anchor slings made of polyester
- Length : 1m/1.5m/2 m
- Round Sling with D-ring at one end
- Strength : 22 kN
- Conforms to EN 795 Class-B



WEBBING SLING

- Anchor slings made of 44 mm polyester webbing
- Length : 1m/1.5m/2 m
- D-rings at both end
- Strength : 22 kN
- Conforms to EN 795 Class-B

SS WIRE ROPE SLING

- Made of 8 mm Stainless Steel grade 304
- Available Length : 1 m/1.5 m/1.8 m/2 m or custom length
- Loops at both ends
- Strength : 15 kN
- Conforms to EN 795 Class-B



CONFINED SPACE ENTRY AND RETRIEVAL

TRIPOD WITH WINCH

Portable Device for Confined Space - Entry and Retrieval

- Height adjustments : From 1.45m to 2.15m
- Material : High-strength Aluminum Alloy
- Strength : 22 kN
- Safe Working Load Limit 200 kgf
- Conforms to EN 795 - Class-B
- Auto-locking system at the head to ensure stability of the legs
- Adjustable telescoping legs : Easy pin style adjustment allowing precise height setting
- Built-in anchor point : Eye bolt offers secondary anchor point for fall arrest system
- Anti-skid rubber foot-pads and safety straps prevent legs from spreading apart

Integrated with manual winch of 20/30/50 metres steel rope

- Winch rope diameter : 4 mm GI/4.8 mm SS
- Non-return winch for lifting and lowering



MONOPOD WITH WINCH

The cantilever arm has been specially developed for use with the height-safety device with rescue hoisting facility. It is available with ground and wall sleeve. The cantilever arm itself is mobile, i.e. it can be released from the sleeve very quickly and used at another location.

- Specially developed for stationary use in safety and rescue cases for two persons as well as for lifting and lowering loads
- Removable extension arm, adjustable height
- Suitable for fast relocation
- V2A stainless steel design
- Stable thanks to solid construction, high quality,
- Height 1.8 m, cantilever reach 1.25 m
- Safe Working Load Limit up to 300 kg with max 20m rope length



Ground Sleeve



Wall Sleeve

HORIZONTAL LIFELINE SYSTEM HLL 20

Temporary horizontal lifeline is a lightweight, easy to install and portable system.



Material:

- Webbing : Fray-proof, dope-dyed polyester webbing
- Ratchet : Steel, zinc coated, rated to 50 kN
- Lifeline Length : 20 metres
- Strength : 15 kN
- Conforms to EN 795 - Class-B

Key features:

- Equipped with a Ratchet Tensioner for quick and easy tensioning of the lifeline between two supports
- Built in shock absorber reduces anchorage loadings to preserve the structure
- Fall arrest rated for two users, provides job site flexibility
- Complete kit includes retaining bag and two tie-off anchor slings

TEMPORARY LIFELINE SYSTEM

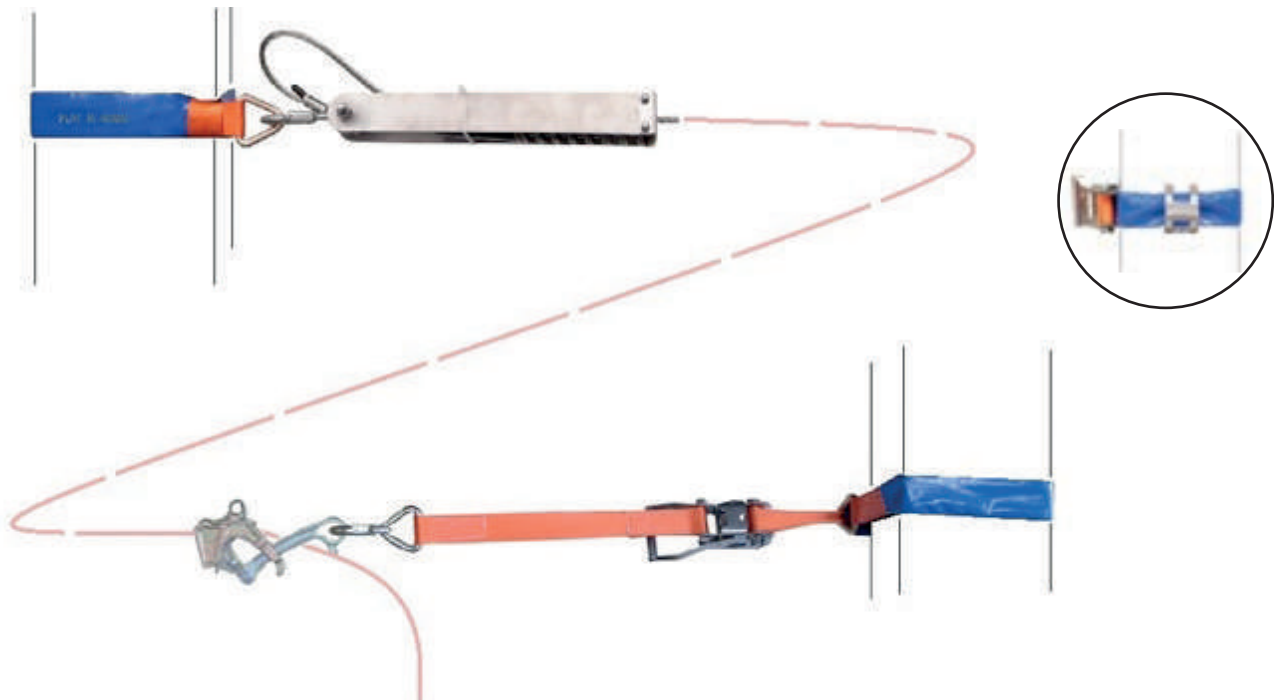
The temporary lifeline is made through attachments between two columns. It consists of the following parts:

- 1 Ratchet tensioner with capacity of 50 kN, made of zinc coated steel or SS304 on request.
- 1 Energy absorber made of SS304 and polyurethane.
- 2 Lashing straps of 50 Kn Vitted with a tubular protection, made of textile straps and plastic cover. And connectors with double action opening.
- 20m of cable LDV006 SS316

If the length of the life line is more than 23 meters an intermediate anchor (type LDV004) should be used on the column.

Technical specification:

- 15,45 Kg (1 Temporary intermediate anchor)
- Compliant with EN 795 CLASS C



Code No	Weight	Description
LDV101	14 Kg	Temporary lifeline-Attachments between 2 columns
LDV102	1,45 Kg	Temporary lifeline-Intermediate anchor on column for reach above 20 m
LDV060	0,25 Kg	Captive glider



A competent person must check the strength of the host structure, which should be able to withstand 15 kN. If the length is equal or less than 23 m, two users may attach to the line. If the length is equal or higher than 24 m three users may attach to the lifeline.



- **OUR SERVICES - HEIGHT SAFETY SPECIALISTS**

UDYOGI administers a comprehensive approach to projects for our clients using our range of height safety services. Our dedicated team of height safety specialists' custom design safe, cost effective solutions based on individual project requirements.

- **BUILDING & WORKPLACE HEIGHT SAFETY ASSESSMENTS**

Udyogi undertakes a full audit of your building's access and fall protection requirements. Our reports are detailed and offer recommendations for upgrades to meet compliance requirements. We assist with design criteria formulation, scope of works development and recommend appropriate systems and layouts. We can assist with project management solutions for upgrading roof access systems on multiple buildings.

- **SYSTEM DESIGN & COST ANALYSIS**

Udyogi offers design services for architects, building designers and project managers incorporating recommendations for componentry selection and system layout to suit the specific building profile, specification data and indicative costing estimates.

- **SUPPLY INSTALLATION & CERTIFICATION**

Udyogi's product delivery is performed in a timely manner. We offer installation by an experienced and professional team of personnel. All Udyogi installers are competent on safe working at heights procedures and respectful of the client's onsite environment and workplace safety requirements. All complete systems installed are certified to codes of practice and global standards.

- **TECHNICAL SUPPORT**

Udyogi's service does not end with the installation of your system. Our safety professionals provide extensive long-term system support ensuring all aspects of your fall-protection program and changing access needs are comprehensively met.

- **PERIODIC SYSTEM RE CERTIFICATION**

Udyogi has a dedicated re certification team ensuring that your systems are continuously maintained and certified to meet all regulatory and compliance requirements. We load and proof test systems, check seals integrity, fixings, fittings and Height safety gear. We update all system service tags and provide inspection and re certification reports including "as built" system layout plans.

PERMANENT FALL ARREST SOLUTIONS



HEIGHT SAFETY RANGE

- Anchor point systems
- Horizontal static line systems
- Overhead rail fall arrest systems
- Access ladders
- Walkways & guardrails
- Step ladders & stairways

SERVICE OFFERING

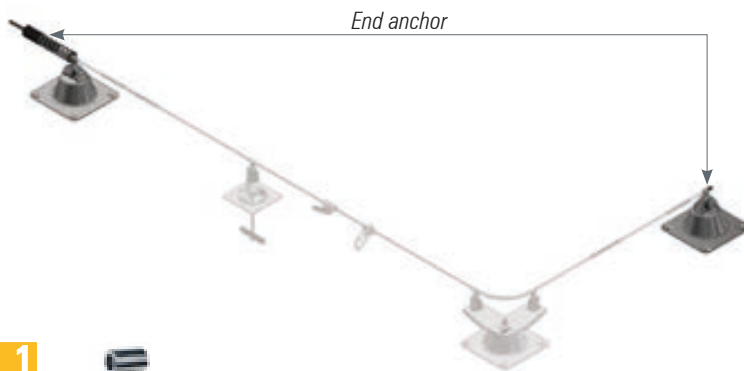
- System design & cost analysis
- Supply, installation & certification
- Building and workplace height safety assessments
- Technical support
- Corporate height safety upgrade programs
- System user induction
- Periodic system recertification

SECUROPE

Horizontal/Inclined EN 795-C 2012

END ANCHOR

Horizontal lifeline on ground



1



- End anchor for wall/ceiling/ ground application SS316:

1.A



▶ LDV002 / LDV003

- Configuration with one energy absorber for rigid structures

1.B



▶ LDV002 / LDV032

- Configuration with one energy absorber and dilatation device for fragile structures

2

- End anchors for horizontal lifeline between two walls or ceiling mounting SS316:



2.A



▶ LDV054

- End anchor with crimping ring

2.B

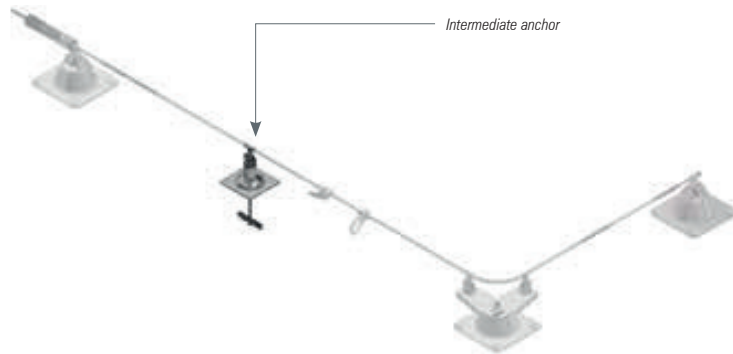


▶ LDV053

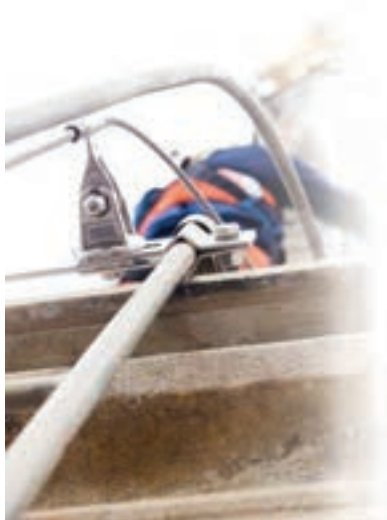
- End anchor including energy absorber and turnbuckle

INTERMEDIATE ANCHOR

Horizontal lifeline on ground



- 1 • Intermediate anchors SS316 with energy absorbing device for wall/ceiling/ground application



▶ LDV004



▶ LDV043- NEO anchor

- 2 • EVO Intermediate anchor SS316 for fixing assemblies on posts or rigid structures

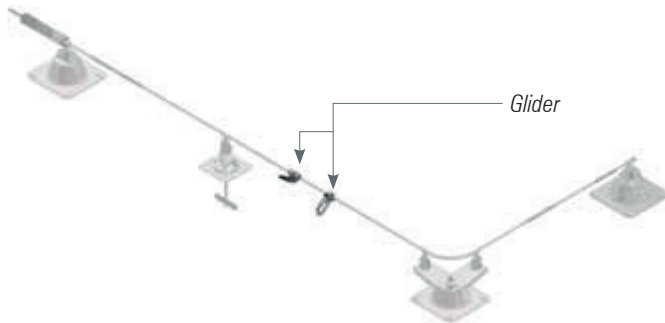


▶ LDV083 - EVO anchor



GLIDERS

1 Horizontal lifeline on ground



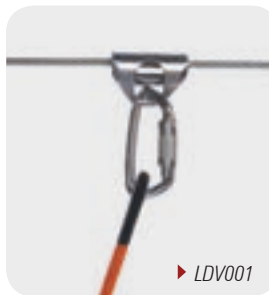
1.A



▶ LDV093

- Trolley on bearings SS304 for wall or ceiling configuration to suspend safety block

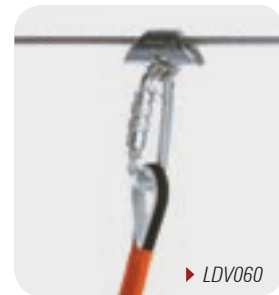
1.B



▶ LDV001

- Glider SS431 with steel carabiner for ground and wall configuration

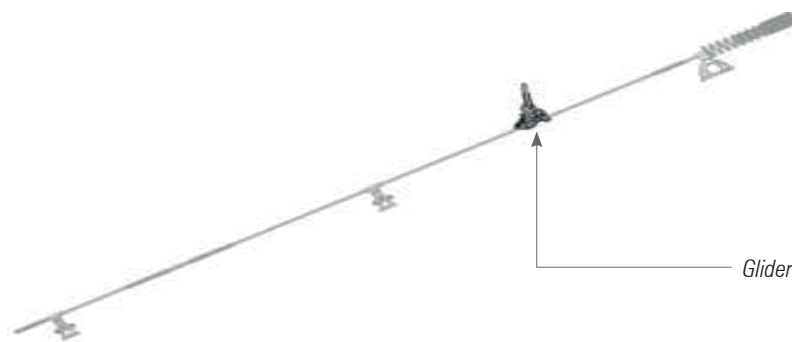
1.C



▶ LDV060

- Captive Glider SS316 with steel carabiner for ceiling or ground configuration

2 Inclined lifeline on ground



2.A



- Fall arrest Zip! SS431 On inclined line 30° - 90°



▶ LDV075

2.B



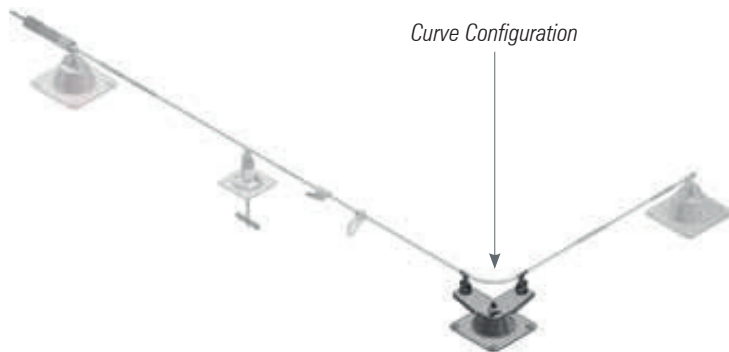
- Bidirectional glider SS431 will brake in both directions, hence ideal for use on lifeline with various slopes between 0-180° without disconnection. NOT for vertical configuration



▶ LDV103

CURVE CONFIGURATION AND SWITCH

Horizontal lifeline on ground



1 CURVE CONFIGURATIONS

1.A



► IDF002 / IDF003 / LDV083 (x2) / LDV076 / LDV006

- Curve configuration with EVO intermediate anchors on post. Anchor SS316; Post hot dip galvanized steel or SS304

1.B



► LDV119 / LDV071 / LDV076 / LDV043 (x2) / LDV006

- Curve configuration with NEO intermediate anchors on Multipost. SS304 and SS316



2 SWITCH



► LDV050

- Four way switch for intersection of SecuRope lifelines SS304. Switch with 3 branches is also available

FIXING ASSEMBLY

EN795

1



▶ LDV116 / LDV004 / LDV006 / LDV022

- Multipost SS304 fitted with bituminous collar, or PVC, or EPDM collar and a set of 4 toggle bolts in zinc coated steel



2



▶ LDV020 / LDV004
/ LDV032 /
LDV006 / V-S5-E

- Fixing assembly for intermediate anchor mounted on standing seam roof type "E" SS304

3



▶ LD097 / LDV002 /
LDV032 / LDV082 /
LDV006

- SecuRope end anchor mounted on hot dip galvanized steel post or SS304 post for fixing on concrete slab

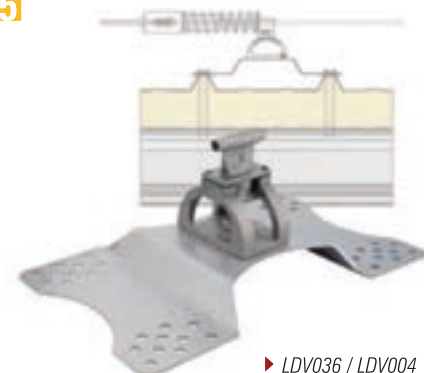
4



▶ LDV092

- SpotAnchor SS304 fitted with PVC or EPDM collar and one toggle bolt made of zinc coated steel to fix intermediate anchors on Hot deck roof

5



▶ LDV036 / LDV004

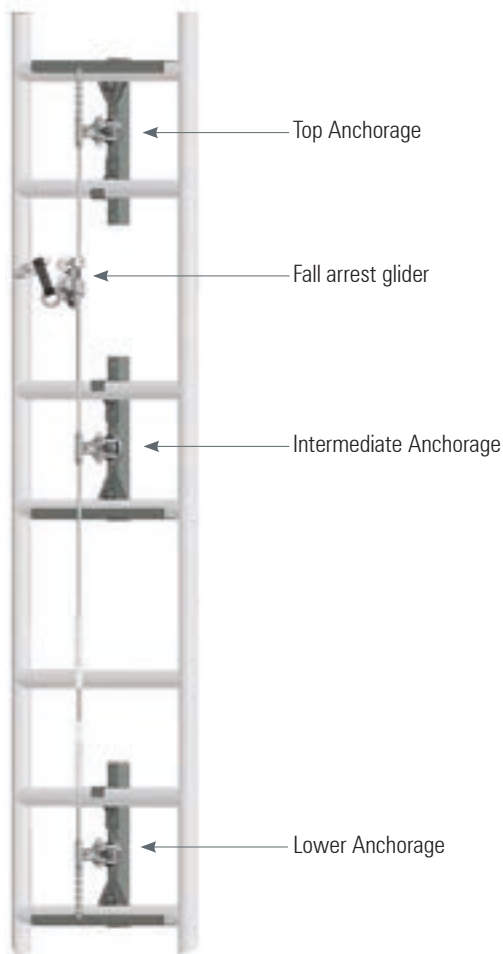
- Fixing assembly SS304 of intermediate anchor for composite panels (sandwich roof)

SECUROPE

Vertical EN 353-1

FALL ARREST GLIDERS

- The components for SecuRope vertical, like top, intermediate, lower anchorages, cable, turnbuckle are the same as SecuRope horizontal/inclined. Energy absorber, brackets, clamps and fallarrest glider are specific to this vertical system
- Vertical lifeline on ladder without energy absorber on the line but on glider



- ZIP! Fallarrest glider SS431 without energy absorber for vertical SecuRope with an absorber mounted on the top anchorage

▶ NSV010



- ZIP! Fallarrest glider SS431 fitted with energy absorber for vertical SecuRope without absorber mounted on the top anchorage

▶ NSV009

SECURAIL

Horizontal EN795 CLASS D

COMPONENTS

1

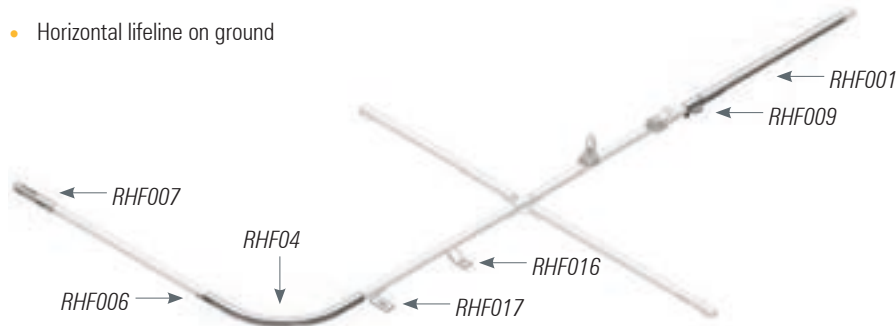


▶ RHF001/ RHF004

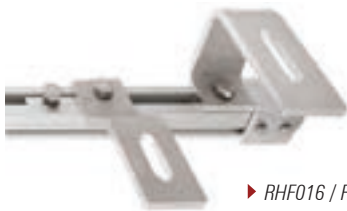
- SecuRail alu 6060T6 anodised. Section can be straight or can be curved and the bending depends on the configuration (ground, wall or ceiling). The SecuRail can be reinforced by a cross section profile



- Horizontal lifeline on ground



2



▶ RHF016 / RHF017

- Fixing assembly on wall, ground and ceiling SS304 including cross nut alu with washer

3



▶ RHF006

- Junction alu 6060T6 with nylstop nut to join two sections of rail

4



▶ RHF009

- Entry exit section alu 6060T6 anodised

5



▶ RHF007

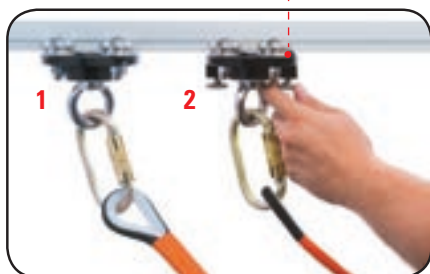
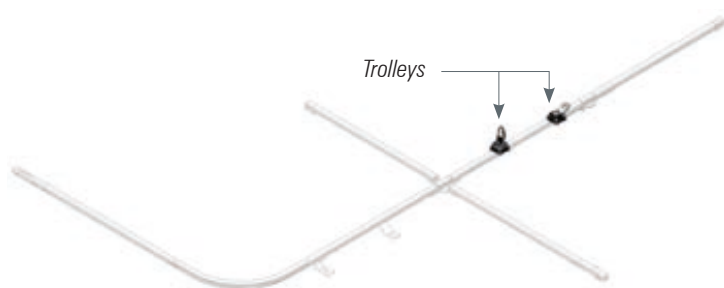
- Tilting end stop alu 6060T6 anodised

SECURAIL

Horizontal EN795 CLASS D

TROLLEYS

- Horizontal lifeline on ground

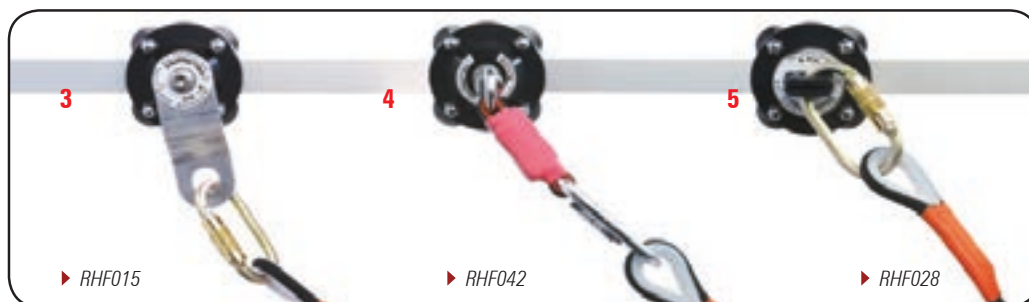


▶ RHF012

▶ RHF040

1 Trolley VIA2 for ceiling configuration. Made of aluminium, SS304 and bush bearing. 1 per user

2 Trolley VIA7 with manual break. Made of aluminium, SS304 and bush bearing. 1 per user



▶ RHF015

▶ RHF042

▶ RHF028

3 Trolley VIA5 for wall configuration. Made of aluminium, SS304 and bush bearing. 1 per user

4 Trolley MULTIVIA with shock absorber. Made of aluminium, SS304 and bush bearing. 1 per user

5 Opening Trolley VIA6. Made of aluminium, SS304 and bush bearing. 1 per user



▶ RHF011

6 Trolley VIA1 for ground configuration. Made of aluminium, SS304 and bush bearing. 1 per user

SECURAIL

VERTICAL EN353-1

COMPONENTS



- Vertical lifeline on wall

- The components for SecuRail vertical lifeline, like nuts, junctions and end stops are the same as SecuRail horizontal. The trolley, Fixing assemblies, Brackets and other accessories are specific to this vertical system



- Fall arrest trolley VIA 4 with energy absorber and carabiner for vertical configuration on SecuRail ladder or SafeLadder. SecuRail ladder fitted with fold away rungs SS304

▶ RHF014 / RHF030



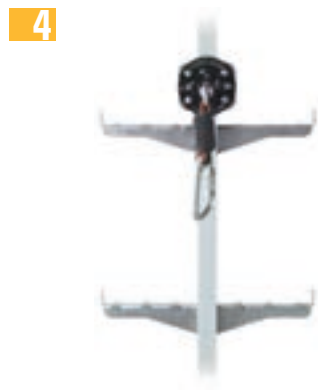
- Outer curve for ladder exit alu 6060T6 anodised. Bending 90°

▶ RHF051



- Extension for roof access alu 6060T6 anodised

▶ RHF036



- SecuRail fitted with bolted rungs SS304

▶ RHF025

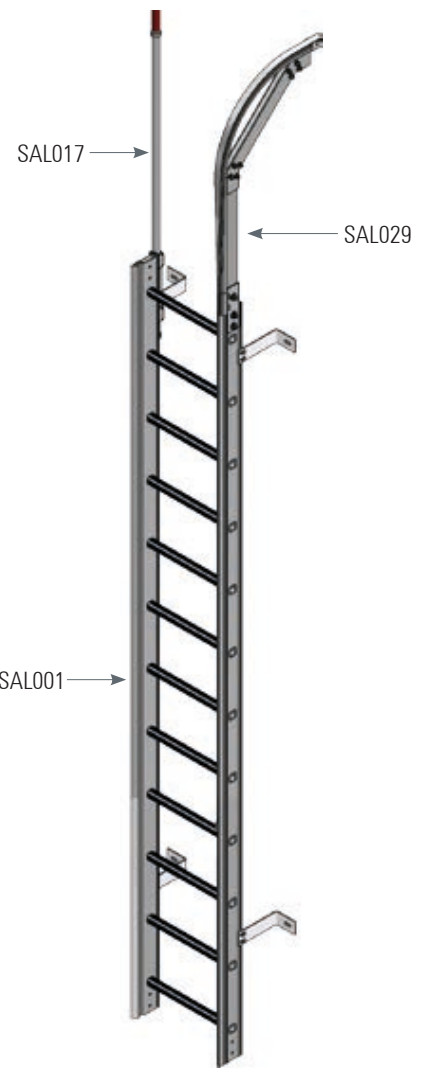
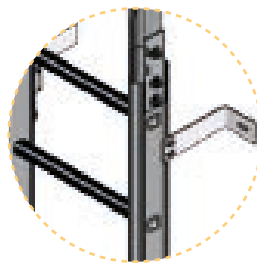
SAFELADDER

EN353-1

COMPONENTS AND ACCESSORIES



- 1** Safety hoops for dorsal protection alu 6060T6 anodised
 - ▶ SAL027 (Picture on the left)



- 2** SafeLadder with telescopic stick alu 6060T6
 - ▶ SAL017



- 3** SafeLadder alu 6060T6 with trolley VIA 4
 - ▶ SAL001 / RHF014



- ▶ SAL029

- 4** SafeLadder with roof access section with a 90° curve alu 6060T6

COMPONENTS AND ACCESSORIES



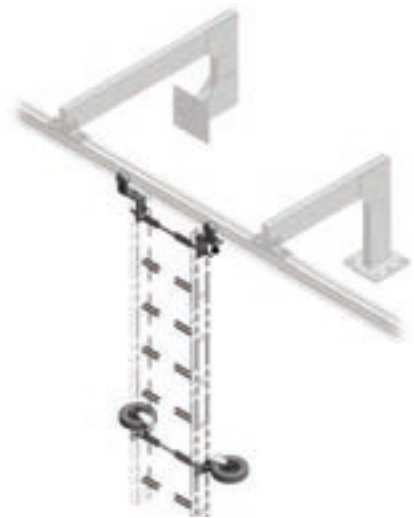
1
Platform over parapet
alu 6060T6 anodised
▶ SAL026
(Picture on the left)



2 Fold up sections for access into a well alu 6060T6 anodised
▶ SAL023



3
Telescopic Section.
Complete with mounting
brackets and fixed section
alu 6060T6 anodised
▶ SAL028



4 Safeladder with suspended trolley on SafeAccess rail alu 6060T6 anodised
▶ MHS024



ANCHOR POINTS

EN795 CLASS A1



▶ LDV025

- 1** Anchor point provided with integrated energy absorber device SS316. Breaking strength > 25 kN



▶ PTA016

- 2** Twinfix Anchor SS316 permanently installed with 2 bolts. Breaking strength > 50 kN



▶ LDV029

- 3** Anchor point, large opening, to be fixed on wall. SS304 in yellow gloss. The anchor is mobile on its axis. Breaking strength > 35 kN



▶ LDV055

- 4** Flush mounted safe anchor point SS316 for bedding in concrete surfaces. Breaking strength > 25 kN



▶ LDV057

- 5** Twinfix Anchor SS316 permanently installed with 2 bolts. Breaking strength > 50 kN



▶ LDV074

- 6** Flush mounted safe anchor point SS316 for bedding in concrete surfaces. Breaking strength > 25 kN

- 1** Spotanchor SS304 fitted with bituminous or PVC collar with Toggle bolt included. It can be served with collar or without collar and permanently installed on a roof



▶ LDV052



▶ PTA001 / PTA002 / PTA003

- 2** Mobile anchor point steel. For overhead crane rails, window cleaning machine rails and steel structures made with "H" profiles. It consists of 3 parts: a trolley, a pair of holder and a pair of clamps. These clamps can be opened and installed anywhere along the rail or profile. The clamps and their holders together may be used to form a fix anchor point

- 3** Swivelling anchor point with bolt of 2 different lengths, 18 or 150 mm



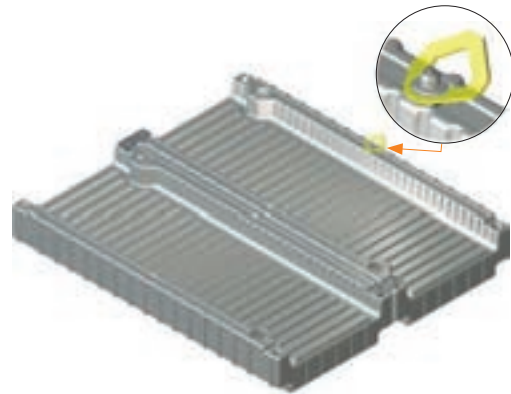
▶ PTA014 / PTA015

SKY WALK

EN795 CLASS E

1 SkyWalk, Moorings Anchor class E. 2 modules with a yellow anchor eye LDV029. It can be installed temporarily or permanently. Modules are also available for different layout configurations on the roof.

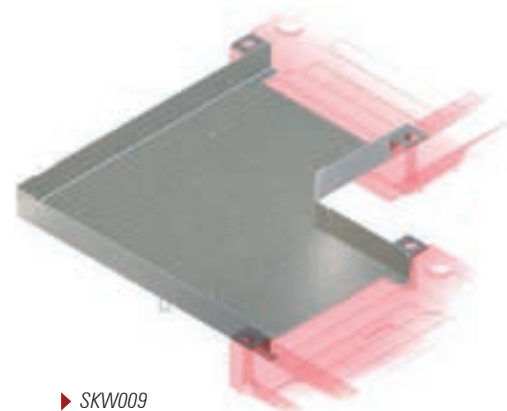
The SkyWalk is a deadweight anchor on a roof that consists of a polyethylene shell filled with a ballast. The stability of the equipment is ensured by the self weight of the SkyWalk and the friction with bituminous membrane. The SkyWalk is used as a walk way, which is anti slip and drained and protects people against fall from height



► SKW007 / SKW003 / SKW008



► SKW001



► SKW009

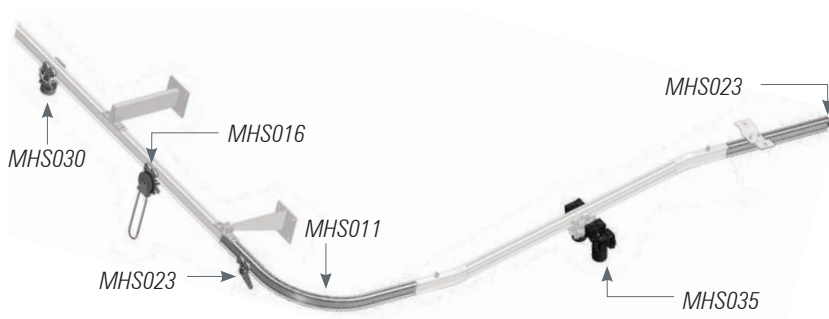
2 SkyWalk platform fully equipped including SecuRail. This assembly conforms the EN 795 Class D

3 Angle element for SkyWalk platform

SAFE ACCESS

EN795 CLASS D/EN 1808

- 1** Outer or inner curve 90°



- 2** NAV 4 Horizontal motorised trolley



- 3** SafeAccess rail alu 6060T6 with end stop with rubber. The rail can be reinforced by hollow section profile



- 4** NAV 5- Motorised climbing trolley



- 5** NAV 1 Trolley manually operated by rope and pulley



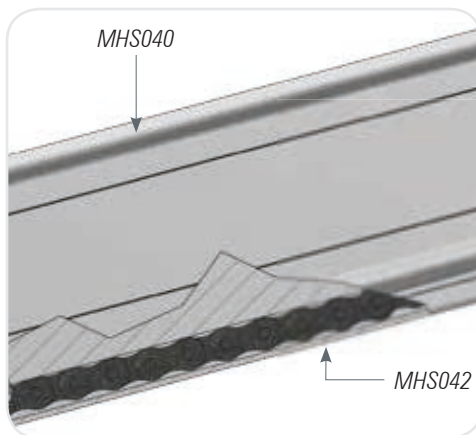
- 6** NAV 2 Mobile anchor point on SafeAccess rail



SAFE ACCESS

Inclined EN 1808

- 1** Powered cradle alu fully equipped. The monorail SafeAccess and the cradle form a building maintenance unit. This cradle is equipped with rollers rolling on the façade. The lifting motion is provided by two hoists equipped with motor having a brake closing due to lack of power. In case of failure of a hoist, a fall arrest system stops the cradle, this device acts on a safety cable. Maneuvering of the cradle is from an electrical control box including all relays and limit switches



- Climbing SafeAccess rail

- Climbing SafeAccess rail alu 6060T6 with chain



► MHS040 / MHS042

ROPE CLIMBER

EN 1808



RopeClimber®

**WORLD PREMIERE
OF THE FIRST
MULTIPURPOSE
TRACTION HOIST TO
BE USED WITH TEXTILE
ROPES**

The RopeClimber is the ideal battery operated hoist enabling safe and ergonomic use for a wide range of operations:

- Abseiling
- Rescue
- Suspended access (EN 1808)
- Temporary lifting installations (material and man riding)
- Permanent lifting installation (material and man riding)

Main features:

- Capacity 300 kg
- Variable speed
- Lightweight and compact
- Up to 1000 m vertical operation with one battery cycle
- Tested in accordance with EN1808: 30.000 cycles without break down, rope lifespan 1500 cycles, safety features, limit switches, overload device and emergency stop










Material and design: World-class, Non-slip polyester webbing with corrosive resistant coated buckles/rings, Distinct and UV-resistant fluorescent coloured, Unique aesthetic stitch pattern, **Range:** All classes of A D E L P harness, Allowing flexibility and convenience. **Testing:** Proof load testing, Static load testing, and dynamic performance testing to ensure effective quality control. **Features:** Ideal design for even distribution of force of impact, Fall indicator harness for all operating environment like general fall arrest, Tower climbing and rigging, climbing pylons, Roof safety, Rope access ensuring that the products are of high quality and long-lasting. **Ergonomics:** Simple to use, Practice oriented, Enables unimpaired operating movements, Durable, an epitome of continuous technology optimisation, Meeting and exceeding highest standards. **Compliance:** Compliant to stringent EN and ISI standards.

BODY HARNESSES

CLASSIFICATION OF FULL BODY HARNESSSES



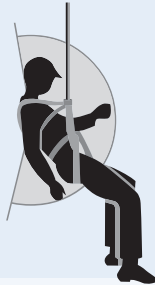
There are five classes of full body harnesses. They are of the following classes A, D, E, L and P

<p>Class-A</p> 	<ul style="list-style-type: none"> • It shall incorporate at least one fall arrest attachment element • The fall arrest attachment element shall be positioned so that it lies at the back ('dorsal' attachment D-ring) of the user
<p>Class-D</p> 	<p>Class-D shall meet the requirements for Class-A</p> <ul style="list-style-type: none"> • It has additional attachment elements that allow the user to connect to a controlled descent system • It has a controlled descent and ascent attachment elements incorporated so that the user can adopt an approximate seated position (whilst in suspension)
<p>Class-E</p> 	<p>Class-E shall meet the requirements for Class-A</p> <ul style="list-style-type: none"> • It has additional attachment elements that allow the user to connect to a confined space access system • It has a sliding attachment element on each shoulder strap to be used as pair, so that they enable the user to adopt a near upright position (whilst in suspension)
<p>Class-L</p> 	<p>Class-L shall meet the requirements for Class-A</p> <ul style="list-style-type: none"> • It has additional attachment elements that allow the user to connect vertical climbing guided type Fall arrester • It has a vertical climbing point incorporated so that the user can climb a ladder with both hands free and very easy to self-rescue in the event of a fall
<p>Class-P</p> 	<p>Class-P shall meet the requirements for Class-A</p> <ul style="list-style-type: none"> • It has additional attachment elements that allow the user to connect to a work positioning system • It has at least one work positioning attachment element incorporated at approximately waist level

HARNESSES – BASIC FUNCTIONS AND APPLICATIONS

When arresting a fall, forces between 4 and 6 kN are always produced, even with shock absorbers.

Fatal injuries can result unless these impact forces induced by fall arrest are transferred and distributed to the human body in a functional and ergonomically consistent manner.

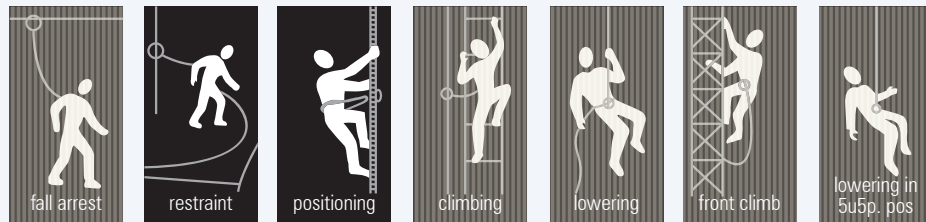
	Fall Arrest Harness EN 361		Seat Harness EN 813 in combination with the chest harness EN 12277
Catch eye position	Dorsal	Sternal	Sternal
Force Induction	From the rear top into the crotch and pelvis	From the front top, diagonally to the buttocks	From the front top into the thighs
Reactions	Slight kink in the hip, the body slumps into the harness	Buttocks and hips are pushed forward	The thighs are lifted to a position similar to that when seated
Force Distribution	Mainly into the crotch (possible genital injury)	Mainly into the buttocks. Relatively direct force induction into the spine	Mainly onto thighs. Ergonomically consistent, because the thigh is one of the strongest anatomical parts of the human body
Suspended position free hanging	Extremely passive bent forward position	Upright position	Upright position, similar to that when seated
Application Criteria	<ul style="list-style-type: none"> Free suspension is not possible (retention) Fall arrester with shock absorber Controlled descender Immediate measures (rescue, lowering to ground) are possibly by others 	In conjunction with a fall arrester with shock absorber suitable for all types of safety against falls from limited heights, e.g. climbing with a follower type climbing protection device	<p>In conjunction with a fall damper suitable for all areas of safety against falls from limited heights.</p> <p>Together with appropriate security measures (dynamic fall arrest at high risks of fall and/or great heights)</p> <p>Suitable for work in vertical positions with climbing and lowering action</p> <p>The ergonomically safest variant to arrest falls and for free suspension is always the combination seat harness and chest harness</p>
Capability of action when free suspended	<ul style="list-style-type: none"> Highly restricted capability of action Self rescue not possible 	Easily reachable attachment point, however the slightly hyper-extended position is very steep entailing a restricted capability of action	The suspension position similar to a seated position guarantees maximum capability of action
			
Convenience during suspended	Minimum	Medium	Optimum
Duration in the suspended position	As short as possible	Despite of a more favourable suspended position, the duration should not exceed a maximum of 10 minutes	With the correct selection and matching of the harness, the duration in the suspended position can be 15 minutes or more without any problem

APPLICATION VS HARNESS SELECTION

Harness Safe Use

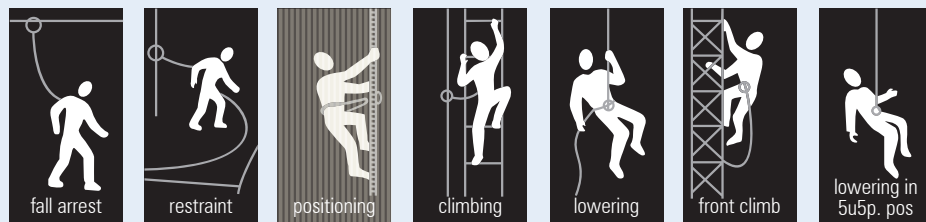
Work Restraint Harness: EN 358

Holding the person in his/her working position, retaining in the hazardous areas (e.g. work on flat roof) Not suitable to catch falls and for free suspension.



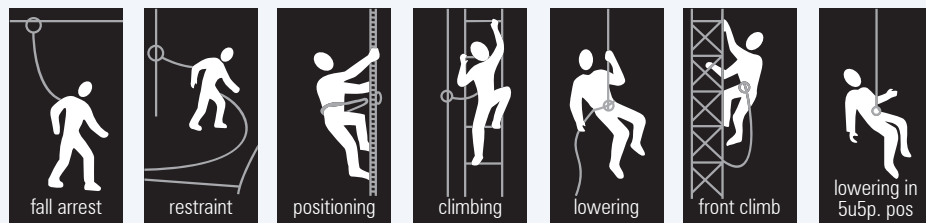
Fall Arrest Harness: EN 361

Securing in the fall hazard area, catch falls with possible free suspension (e.g. work on masts, towers).



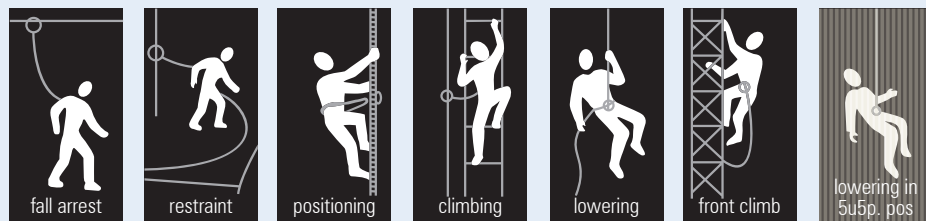
Seat Harness: EN 813

Holding the person in seated work position when freely suspended. (e.g. work on facades). To catch falls and with free suspension, the combination of seat harness and chest harness offers the best solution from the ergonomical point of view.



Rescue Harness: EN 1498

Rescue of persons in an upright almost seated position.



CLEARANCE DISTANCE CHART



'Height of Anchor point from dorsal 'D' ring'	Clearance Distance Require Below Foot Level	
	2m Lanyard	
1.5m above the head	1 metre	
1m above the head	1.700 metre	
Above the head	2.400 metre	
Head height	3.125 metre	
Chest height	3.850 metre	
Waist height	4.575 metre	
Knee height	5.300 metre	
Foot level	6.025 metre	
Below foot level	6.750 metre	

EDGE SERIES

EDGE LITE PRO



Extension strap of D-ring (Dorsal anchoring):
Easy to safely attach to the connector end of the lanyard

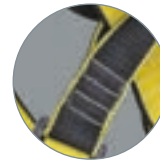
Computer controlled stitching: Ensures consistency

Quick buckle:
Lightweight aluminum body, extremely easy to operate with one hand.

Webbing: Dope-dyed polyester webbing for colour fastness and UV resistant processed through heat treatment

Breathable open-core padding technology:
Comfortable knitted pads for better shock absorption and air circulation

Buckle: Aluminum alloy adjustable buckle



Extremely comfortable for long duration use

Anchor point	One dorsal D-ring and one chest attachment D-ring
Special features	Innovative lightweight design Extra comfort throughout the neck, shoulder and back Breathable open-core padding technology Easy no-tangle donning Easy-to-wear with quick buckles Integrated extension lanyard 500 mm long and D-ring Built-in fall indicator for easy inspection Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Aluminum alloy quick buckles
Stitching	High-strength polyester and computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulders and thighs
Standard	Conforms to EN 361

EDGE LITE

Anchor point	One dorsal D-ring and one chest attachment D-ring
Special features	Innovative lightweight design Extra comfort throughout the neck, shoulder and back Breathable open-core padding technology Easy no-tangle donning Integrated extension lanyard 500 mm long Built-in fall indicator for easy inspection Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength steel alloy
Stitching	High-strength polyester and computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulders and thighs
Standard	Conforms to EN 361



Computer-controlled stitching ensures guaranteed performance



EDGE 01

Anchor point	One dorsal D-ring, two chest attachment D-ring and two lateral D-ring
Special features	Ergonomic horizontal H-shaped thigh straps <ul style="list-style-type: none"> • Facilitate vertical and horizontal movements • No discomfort or pressure on the groin • Improved comfort in case of a fall Breathable open-core padding for extra comfort throughout the neck, shoulder, back and thigh Easy no-tangle donning Built-in fall indicator for easy inspection
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester and computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulders and thighs
Standard	EN 361, EN 358 CE marked



TANGO SERIES

TANGO I

Anchor point	One dorsal D-ring and two chest attachment textile loop
Special features	Ergonomic horizontal H-shaped thigh straps <ul style="list-style-type: none"> • Facilitate vertical and horizontal movements • No discomfort or pressure on the groin • Improved comfort in case of a fall Built-in fall indicator for easy inspection Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester and computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulders and thighs
Standard	IS 3521:2003 ISI marked



TANGO II

Anchor point	One dorsal D-ring and two chest attachment D-rings
Special features	Ergonomic horizontal H-shaped thigh straps <ul style="list-style-type: none"> • Facilitate vertical and horizontal movements • No discomfort or pressure on the groin • Improved comfort in case of a fall Built-in fall indicator for easy inspection Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	IS 3521:2003 ISI Marked

 Ergonomic design ensures free movement

ULTRATEK MULTIPURPOSE RESCUE HARNESS

ULTRATEK



Work Positioning Belt with knitted mesh pad and appropriately shaped for extra comfort while working. The belt is provided with bigger handle to attach extra karabiners or accessories

Automatic buckle to ensure quick adjustment



Ventral loops provided to be used for rope access, External attachment for rescue and descending purpose making the harness multi-purpose

The ergonomically placed padded thigh straps for extended comfort



All in one Multipurpose Harness

Anchor point	One dorsal D-ring, Two chest attachment textile loop, One ventral loop, Two lateral D-ring
Special features	<p>Multipurpose harness, ideal for professional use and rescue</p> <p>One external attachment point for rescue & descending</p> <p>Ergonomic Horizontal H-shaped thigh straps</p> <ul style="list-style-type: none"> • Facilitate vertical and horizontal movements • No discomfort or pressure on the groin • Improved comfort in case of a fall <p>Breathable open-core padding for extra comfort in the back and thigh</p> <p>Automatic buckle for quick adjustment</p> <p>Easy no-tangle donning</p>
Materials	<p>Fray-proof dope-dyed polyester webbing</p> <p>Metal quick buckles of high strength alloy steel</p>
Stitching	High-strength polyester computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at shoulder, waist and thighs
Standard	Conforms to EN 361, EN 358 and EN 813

ECO SERIES

ECO 1

Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521: 2005 ISI Marked, DGMS Approved



ECO 2

Anchor point	One dorsal D-ring and One Chest D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521: 2005 ISI Marked, DGMS Approved



ECO 3

Anchor point	One dorsal D-ring and Two Chest D-rings
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521: 2005 ISI Marked, DGMS Approved



ECO 4

Anchor point	One dorsal D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521: 2005 ISI Marked, DGMS Approved

UB SERIES

UB 101

Anchor point	One dorsal D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	EN 361 CE Marked



UB 101 PLUS

Anchor point	One dorsal D-ring and Two lateral D-ring
Special features	Integrated work positioning waist pad Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	Conforms to EN 361 & EN 358

UB 102 RIGHT-ON



Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Integrated reflective Jacket Harness with reflective strip Easy and fast to put on zipper system Executive design with two pockets Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked



High visibility harness with jacket-Ideal for people working at height



UB-102

Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked

UB-102 PLUS

Anchor point	One dorsal D-ring, Two textile chest attachment loop and Two lateral D-ring
Special features	Integrated work positioning waist pad Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	Conforms to EN 361, EN 358



UB-102 FR

Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Ideal use for explosive atmosphere Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Flame retardant webbing to withstand upto 700° F/371° C Ideal harness for welders Buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	Conforms to EN 361, Webbing as per ISO 15025:2005



Conforming to ATEX specifications

UB-103

Anchor point	One dorsal D-ring and Two Chest D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked



UB-104

Anchor point	One dorsal D-ring, Two Chest D-ring, Two Lateral D-ring
Special features	Integrated work positioning waist pad Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked

UB 121

Anchor point	One Dorsal D-ring and One Chest D-ring, Integrated rescue strap attached on shoulder
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	Conforms to EN 361, EN 1497



Designed for quick rescue



QMAX SERIES



QMAX 1

Anchor point	One dorsal D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	IS: 3521:1999. ISI marked CLASS "A", DGMS Approved

QMAX 4

Anchor point	One dorsal D-ring and One Front D-ring Two chest attachment D-rings for fall arrest attachment
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	IS: 3521:1999. ISI marked CLASS "L", DGMS Approved



Q MAX 5

Anchor point	One dorsal D-ring and integrated work positioning belt with two lateral D-rings
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	IS: 3521:1999. ISI marked CLASS "P", DGMS Approved

DENIM JACKET HARNESS



Anchor point	One dorsal D-ring and Two textile chest, attachment loop
Special features	Integrated reflective Jacket Harness with reflective strip Easy and fast to put on zipper system Executive design with two pockets Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked



SUSPENSION TRAUMA



- Lightweight web straps designed to reduce the onset of suspension trauma during post-fall suspension, allow user to flex leg muscles and relieve leg strap pressure while suspended prior to rescue.
- Avoid effects of suspension trauma
- Compact, lightweight, versatile
- Multiple attachment point options
- Fast, easy installation & deployment
- Multiple loop design accommodates all heights and sizes
- Length- 1.8 meter



3 Brain Circulation

- Diminished Blood Flow
- Blocked Airway
- Cardiac Arrest or Brain Damage
- Death

2 Heart Circulation

- Anxiety and Onset of Shock
- Heart Rate Increases
- Cardiac Irritability*

1 Leg Circulation

- Straps Impede Blood Return
- Muscle Venous Pump Fails
- Blood Becomes Toxic & Highly Acidic*

*Even if victim is rescued before respiratory/cardiac arrest occurs, the danger of cardiac arrest still exists due to the toxic, highly acidic blood surging back to the irritated heart (Reflow Syndrome). The danger of delayed kidney failure exists if victim is not medically evaluated after prolonged suspension.



WORK POSITION HARNESS



WP 01

Anchor point	Work positioning waist belt with Two lateral D-rings
Special features	Ring provided for tool holder Thermoform comfort back support
Materials	Fray-proof dope-dyed polyester webbing Two lateral D-rings of forged alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps at waist
Standard	Conforms to EN 358
Weight	0.640 kgs approx

WP 02

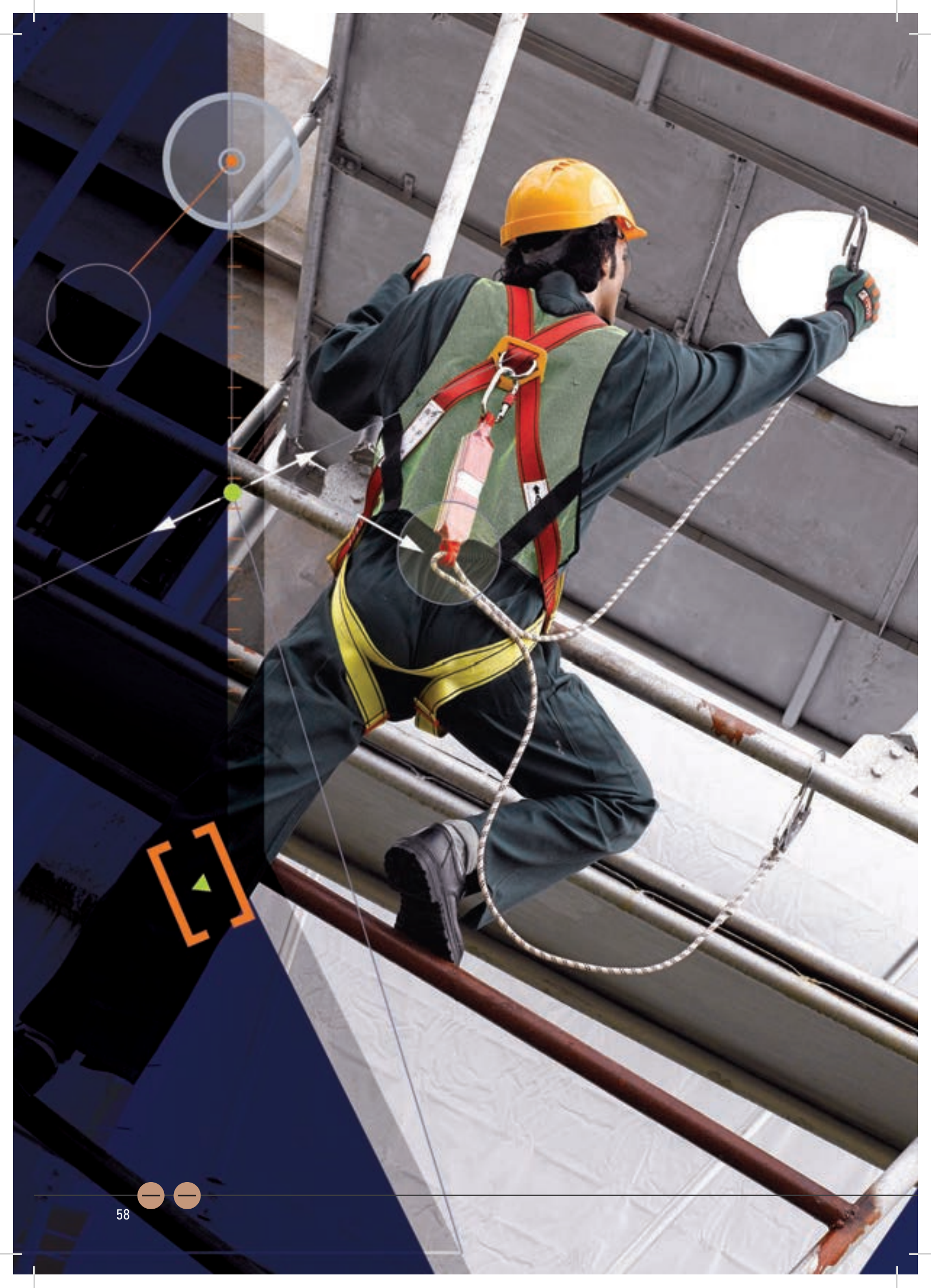
Anchor point	Work positioning waist belt with Two lateral D-rings and one ventral positioning D-ring
Special features	Easy work positioning waist belt and sit harness Ring provided for tool holder Thermoform comfort back and thigh support
Materials	Fray-proof dope-dyed polyester webbing Two lateral D-rings of forged alloy steel
Stitching	High-strength polyester stitching
Adjustability	Size adjustment straps at waist and thighs
Standard	Conforms to EN 358
Weight	1.370 kgs approx

HARNESS DONNING



Harness	Dorsal D-ring / Eye loops A 	Sternal D-ring / Eye loops L 	Lateral D-ring / Eye loops P 	Ventral D-ring / Eye loops D 	Shoulder D-ring / Eye loops E
ECO 4	X				
UB 101	X				
QMAX1	X				
ECO 1	X	X			
ECO 2	X	X			
ECO 3	X	X			
UB 102	X	X			
UB 102 RIGHT ON	X	X			
UB 103	X	X			
QMAX 4	X	X			
UB 121	X	X			X
TANGO I	X	X			
TANGO II	X	X			
UB 102 Plus	X	X	X		
UB 102 FR	X	X			
EDGE 1	X	X	X		
EDGE LITE	X	X			
EDGE LITE PRO	X	X			
WP 01			X	X	
WP 02			X		
UB 101 PLUS	X		X		
QMAX 5	X		X		
UB 104	X	X	X		
ULTRATEK	X	X	X	X	







Materials: Nylon & Braided Rope, Polyester Webbing, Assorted Alloys
Engineering: Shock Absorption, Strength Optimisation, Self Retraction, Elasticity, Adjustability, Hooks with Anti-rust coating, Integrated Systems & Solution, Proof Loaded
Range: Lanyards & Hooks, Retractable fall Arrester, Double and Single Lines, Synthetic and Metallic Ropes, Adaptable to works,
Innovative: Portable, Handy, Elastic, Light yet Robust
Compliance: Compliant to EN norms.

CONNECTING LINES & CONNECTORS

LANYARDS

The body harness should be connected to the anchor point. An appropriate connector made of webbing or rope with shock-absorbing tool, or retractable lifeline, ties the body-harness securely to the anchor point to restrain or arrest the fall with minimal impact upon the wearer.

We offer the restraining lanyards as per EN-354: 2010 in a range of different materials such as twisted rope, braided rope, webbing and elasticated webbing, below is a detailed list with their features and advantages.

Technical information:

- 1) Rope lanyards - 12 mm polyamide rope/poly propylene rope
- 2) Braided rope lanyards – 10.5 mm dia kernmental rope
- 3) Webbing lanyards - 44 mm polyester webbing
- 4) Elasticated webbing lanyards – 35 mm wide webbing



Shock absorbing lanyards

Tested by dropping a 100 kg mass from a distance of 4 metres generating a force of 20 kN (2,040 kg). The lanyard is capable of reducing this force to below 6 kN (612 kg). This ensures a softer impact on both the user and the structure to which they are attached. They employ an extra high-strength tear webbing for consistent performance. They must be used only at heights above 6 metres and 1 metre more (than standard lanyard) clearance must be ensured.

Udyogi energy absorbing lanyards are available in numerous materials each with features to suit many and varied fall arrest applications.

Single lanyards are generally used in various fall arrest situations, and are designed to limit the force of a sustained fall to under 6 kN.

Double webbing lanyards are generally used to access different areas of a building or tower without being disconnected, and are the perfect way to be connected to an anchorage point at all times.

Product features

- Lanyards feature an external energy absorber, which allows for visual indication of a sustained fall.
- Lanyards are available as standard with 19 mm opening hooks at each end, or with a choice of scaffold hook to suit different attachment applications.
- For use in fall arrest situations, where the freefall does not exceed 2 metres.
- When estimating free fall distances, the extension of the energy absorber must be taken into consideration. The maximum energy absorber deployment is 1.75 metres.
- Choose a webbing lanyard for standard fall arrest applications. The webbing lanyard is lightweight, easy-to-use and does not retain dirt, making it perfect for everyday use.
- Choose a rope lanyard for situations where working around slightly abrasive surfaces. The rope lanyard is robust and great in heavy-duty applications.

How to choose your appropriate Lanyard

Type of lanyard	Features	Advantages
Twisted polyamide rope	<ul style="list-style-type: none"> • High tenacity multi-filament polyamide fiber • 3-strand synthetic fiber ropes • Breaking strength – 3,070 kgf • Excellent resistance to UV • Excellent abrasion resistance • Supports up to 17% elongation • Termination method - Splicing of twisted strands • Machine washable • Wear and tear indicator 	<ul style="list-style-type: none"> • Durable • Excellent shock absorption • Easy inspection and maintenance • Standard connecting line available widely
Braided rope	<ul style="list-style-type: none"> • Low elongation and high static strength polyester fiber • Braided with core construction with protective outside layer along the entire high quality polyester rope • Breaking strength 2,950 kgf • Superior UV protection • Mass of 73g/m • Elongation at 150kg-3.8% • Termination method - Double-stitched using computer-controlled m/c • State-of-the-art flexible rope 	<ul style="list-style-type: none"> • Protects against water, dust and other particles that might damage the core of the rope • Very flexible and easy to handle • Compact and durable • Very light and consumes less space • Excellent shock absorption properties • Easy to maintain and inspect
Webbing lanyard	<ul style="list-style-type: none"> • High tenacity multi-filament polyester fiber • 44 mm wide webbing • Breaking strength – 2,800kgf • Excellent resistance to UV • Excellent abrasion resistance • Termination method - Stitching • Compact and easy to inspect 	<ul style="list-style-type: none"> • Protects against dust and other particles • Flexible and easily storable • Very light and consumes lesser space • Easy to inspect the stitching
Elastic lanyard	<ul style="list-style-type: none"> • High tenacity multi-filament polyester fiber • 35 mm wide elasticated webbing • Breaking strength – 2,800kgf • Excellent resistance to UV • Protective cover makes it easy to inspect and maintain • Excellent mobility as unused lanyard retracts • Termination method - Stitching • Unused size-1.1 metres, expandable size-1.8 metres 	<ul style="list-style-type: none"> • Protects against dust and other particles as available with protective cover • Flexible and easily storable • Very light and consumes lesser space • Freedom of obstructed movement. Tangle free - extends only as per movement • Easy to inspect the terminations

WORK RESTRAINT POLYAMIDE LANYARDS

EASY RL 02



EASY RL 03



EASY RL 04



EASY RL 05



EASY RL 09



- Length : 2 metres from hook to hook
- Rope dia : 12 mm
- 23 kN strength
- Conforms to EN: 354:2010

* Also available in polypropylene rope

Model No.	Description
Easy RL 02	With one side eye loop and other side EASY 308 karabiner
Easy RL 03	Both side EASY 308 karabiner
Easy RL 04	With one side EASY 308 karabiner and other side EASY SH 18 hooks
Easy RL 05	With one side EASY 308 karabiner and other side EASY SH 60 scaffolding hooks
Easy RL 09	With one side EASY 308 karabiner and other side EASY SH 90 scaffolding hooks

WORK RESTRAINT BRAIDED LANYARDS

EASY BL 02



EASY BL 03



EASY BL 04



EASY BL 05



EASY BL 09



- Length : 2 metres from hook to hook
- Rope dia : 10.5 mm
- 23 kN strength
- Conforms to EN: 354:2010

Model No.	Description
Easy BL 02	With one side eye loop and other side EASY 308 karabiner
Easy BL 03	Both side EASY 308 karabiner
Easy BL 04	With one side EASY 308 karabiner and other side EASY SH 18 hooks
Easy BL 05	With one side EASY 308 karabiner and other side EASY SH 60 scaffolding hooks
Easy BL 09	With one side EASY 308 karabiner and other side EASY SH 90 scaffolding hooks

WORK RESTRAINT WEBBING LANYARDS

EASY WL 02



EASY WL 03



EASY WL 04



EASY WL 05



EASY WL 09



- Length : 2 metres from hook to hook
- Webbing width : 44 mm
- 23 kN strength
- Conforms to EN: 354:2010

Model No.	Description
Easy WL 02	With one side eye loop and other side EASY 308 karabiner
Easy WL 03	Both side EASY 308 karabiner
Easy WL 04	With one side EASY 308 karabiner and other side EASY SH 18 hooks
Easy WL 05	With one side EASY 308 karabiner and other side EASY SH 60 scaffolding hooks
Easy WL 09	With one side EASY 308 karabiner and other side EASY SH 90 scaffolding hooks

WORK RESTRAINT ELASTICATED LANYARDS

EL 02



EL 03



EL 04



EL 05



EL 09



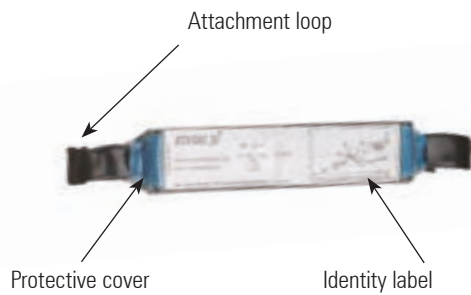
- Length : Extendable from 1.2 metre to 2 metre
- 35 mm wide 100% polyester webbing
- Elasticated single Lanyard
- Extremely lightweight & compact lanyard
- Conforms to EN: 354:2010

Model No.	Description
Easy EL 02	With one side eye loop and other side EASY 308 karabiner
Easy EL 03	Both side EASY 308 karabiner
Easy EL 04	With one side EASY 308 karabiner and other side EASY SH 18 hooks
Easy EL 05	With one side EASY 308 karabiner and other side EASY SH 60 scaffolding hooks
Easy EL 09	With one side EASY 308 karabiner and other side EASY SH 90 scaffolding hooks

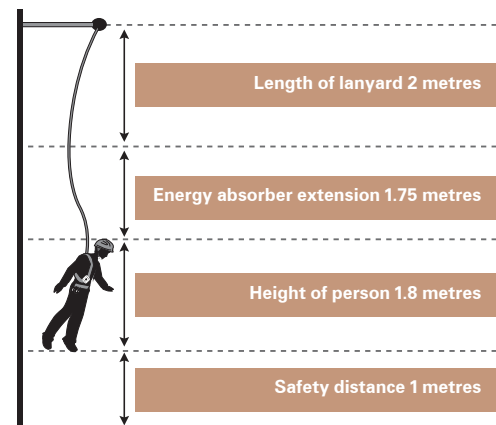
ENERGY ABSORBERS

When a fall happens, the energy absorber deploys itself and absorbs the energy generated; decelerating the user over a short distance and thus reducing the impact on the user.

It should be noted that an energy absorber can be activated partially. This could happen if it is being subjected to a force above 2 kN without a fall occurring. To avoid this scenario, the user should not put their weight suddenly on any component including the energy absorber, while use.



Main components of an energy absorber



Minimum fall clearance required-6.55 metres while using an energy absorbing lanyard

FALL ARREST SINGLE LANYARD - POLYAMIDE

EASY ABSORB 01



EASY ABSORB 02



EASY ABSORB 03



EASY ABSORB 09



- Length : 2 metre from hook to hook
- Rope dia : 12 mm

- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

FALL ARREST SINGLE LANYARD - POLYAMIDE

Model No.	Description
Easy Absorb 01	Shock absorber with EASY 308 karabiner and other side EASY SH60 scaffolding hooks
Easy Absorb 02	Shock absorber with EASY 308 karabiner and other side EASY SH18 hooks
Easy Absorb 03	Shock absorber with EASY 308 karabiner and other side EASY SH61 scaffolding hooks
Easy Absorb 09	Shock absorber with EASY 308 karabiner and other side EASY SH90 scaffolding hooks

FALL ARREST SINGLE LANYARD - BRAIDED

EASY ABSORB BL-01



EASY ABSORB BL-02



EASY ABSORB BL-03



EASY ABSORB BL-09



- Length : 2 metre from hook to hook
- Rope dia : 10,5 mm
- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
Easy Absorb BL 01	Shock absorber with EASY 308 karabiner and other side EASY SH60 scaffolding hooks
Easy Absorb BL 02	Shock absorber with EASY 308 karabiner and other side EASY SH18 hooks
Easy Absorb BL 03	Shock absorber with EASY 308 karabiner and other side EASY SH61 scaffolding hooks
Easy Absorb BL 09	Shock absorber with EASY 308 karabiner and other side EASY SH90 scaffolding hooks

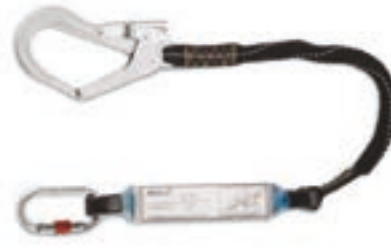
FALL ARREST SINGLE LANYARD - ELASTICATED

EASY ABSORB EL 01



- Elasticated energy absorbing single Lanyard
- Extremely lightweight and Compact Lanyard
- Length : Extendable from 1.2 metre to 2 metre

EASY ABSORB EL 09



- 35 mm wide 100% polyester webbing
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
Easy Absorb EL 01	Shock absorber with EASY 308 karabiner and other side EASY SH60 scaffolding hooks
Esy Absorb EL 09	Shock absorber with EASY 308 karabiner and other side EASY SH90 scaffolding hooks

FALL ARREST SINGLE LANYARD - WEBBING

EASY ABSORB WL 01



EASY ABSORB WL 02



EASY ABSORB WL 03



EASY ABSORB WL 09



- Length : 2 metre from hook to hook
- 44 mm wide webbing energy absorbing single Lanyard

- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
Easy Absorb WL 01	Shock absorber with EASY 308 karabiner and other side EASY SH60 scaffolding hooks
Easy Absorb WL 02	Shock absorber with EASY 308 karabiner and other side EASY SH18 hooks
Easy Absorb WL 03	Shock absorber with EASY 308 karabiner and other side EASY SH61 scaffolding hooks
Easy Absorb WL 09	Shock absorber with EASY 308 karabiner and other side EASY SH90 scaffolding hooks

FALL ARREST DOUBLE LANYARD - POLYAMIDE

EASY ABSORB RL 22

Energy Absorbing Double Polyamide Rope Lanyard

- With one side EASY 308 Karabiner and other side two EASY SH 60 Scaffolding Hooks
- Rope dia : 12 mm
- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010



Model No.	Description
EASY Absorb RL 22	• With one side EASY 308 karabiner and other side two EASY SH 60 scaffolding hooks
EASY Absorb RL 61	• With one side EASY 308 karabiner and other side two EASY SH 61 scaffolding hooks
EASY Absorb RL 90	• With one side EASY 308 karabiner and other side two EASY SH 90 scaffolding hooks

FALL ARREST DOUBLE LANYARD - BRAIDED

EASY ABSORB BL 22

- Twin braided rope lanyard with shock absorber
- Lightweight but highly tenacious
- With one side EASY 308 karabiner and other two sides EASY SH 60 hooks
- Rope dia : 10.5 mm
- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010



Model No.	Description
EASY Absorb BL 22	• With one side EASY 308 karabiner and other side two EASY SH 60 scaffolding hooks
EASY Absorb BL 61	• With one side EASY 308 karabiner and other side two EASY SH 61 scaffolding hooks
EASY Absorb BL 90	• With one side EASY 308 karabiner and other side two EASY SH 90 scaffolding hooks

FALL ARREST DOUBLE LANYARD - WEBBING

EASY ABSORB WL 22

- Twin webbing lanyard with Shock absorber
- With EASY 308 karabiner on one side, and two EASY SH 60 hooks on the other two sides
- Length : 1.8 mm
- Rope dia : 44 mm
- 23 kN strength
- Conforms to EN:355:2002 and 354:2010



Model No.	Description
EASY Absorb WL 22	• With one side EASY 308 Karabiner and other side two EASY SH 60 Scaffolding Hooks
EASY Absorb WL 61	• With one side EASY 308 Karabiner and other side two EASY SH 61 Scaffolding Hooks
EASY Absorb WL 90	• With one side EASY 308 Karabiner and other side two EASY SH 90 Scaffolding Hooks

FALL ARREST DOUBLE LANYARD - ELASTICATED

EASY ABSORB EL 22

- Elasticated energy absorbing double webbing lanyard
- Extremely lightweight and Compact lanyard with energy absorber
- With one side two SH 60 scaffolding hook and other side easy 308 karabiner
- Length : 1.8 mm (with max extend size and hook connected)
- 35 mm wide 100% polyester webbing
- Conforms to EN: 355:2002 and 354:2010



Model No.	Description
EASY Absorb EL 22	• With one side EASY 308 Karabiner and other side two EASY SH 60 Scaffolding Hooks
EASY Absorb EL 90	• With one side EASY 308 Karabiner and other side two EASY SH 90 Scaffolding Hooks

WORK POSITIONING LANYARD

PL 01

- Work positioning twisted polyamide rope lanyard for hands free work
- One side karabiner with aluminum rope adjuster and other side carabiner
- Works on 14 mm dia polyamide rope
- 23 kN strength
- Conforms to EN 358



PL 02

- Work positioning braided rope lanyard for hands free work.
- One side karabiner with aluminum rope adjuster and other side carabiner
- Works on 10.5 mm dia kermental rope
- 23 kN strength
- Conforms to EN 358.

PL 03

- New and compact grip device, used for hands free work
- One side karabiner with grip adjuster and other side carabiner
- Adjustable gradually and moves freely.
- Can be accurately controlled with one hand
- Works on 10.5 mm dia kermental rope
- Confirms to EN 358






RETRACTABLE FALL ARRESTER

Self-retracting lifelines for all arrest situations. In case of a sudden fall, the in-built break mechanism locks immediately and prevents the user from falling further, thus limiting the break force to below 6 kN.


Area of application : Work on scaffoldings, cradles, window cleaning, roofs, towers, steel frameworks.

EDGE 2.5 METRE MINI BLOCK

- Webbing type retractable fall arrester
- 47 mm wide webbing
- 2.5 metres in length
- Fitted with an inertia breaking system with in-built shock absorber, snap hook and karabiner
- Weight : 1 kg
- Conforms to EN 360:2002 



EDGE COMPACT

- Webbing type retractable fall arrester
- Compact and lightweight
- 30 mm wide webbing
- With shock absorber and snap hook
- Swivel steel snap hook with fall indicator
- Maximum load capacity 100 kg
- Conforms to EN 360:2002 

Model	Housing	Webbing	Webbing length
EDGE 3N	Polyamide	30 mm	3 metre
EDGE 6N	Polyamide	30 mm	6 metre
EDGE 10N	Polyamide	30 mm	10 metre
EDGE15N	Polyamide	30 mm	15 metre

EDGE LIGHT DUTY

- Wire rope type retractable fall arrester
- Polyamide casing
- 4 mm galvanised steel rope / 4.8 mm stainless steel rope with swivel snap hook
- Maximum load capacity 100 kg
- Rated at 25 kN tensile strength
- Included conduit rope
- Conforms to EN 360:2002 **CE**



Model	Housing	Rope Type	Rope Dia	Rope Length
EDGE 6	Polyamide	Galvanised	4 mm	6 metre
EDGE 6 S	Polyamide	Stainless steel	4.8 mm	6 metre
EDGE 7.5	Polyamide	Galvanised	4 mm	7.5 metre
EDGE 7.5 S	Polyamide	Stainless steel	4.8 mm	7.5 metre
EDGE 10	Polyamide	Galvanised	4 mm	10 metre
EDGE10 S	Polyamide	Stainless steel	4.8 mm	10 metre

EDGE 15

- Wire rope type retractable fall arrester
- 15 metre in length.
- Durable polyamide casing
- 4 mm galvanised steel rope / 4.8 mm stainless steel rope with swivel snap hook
- Maximum load capacity : 100 kg
- Strength : 25 kN
- Included conduit rope
- Conforms to EN 360:2002 **CE**



EDGE 20

- Wire rope type retractable fall arrester
- 20 metre in length
- Heavy duty polyamide casing
- 4 mm galvanised steel rope / 4.8 mm stainless steel rope with swivel snap hook
- Maximum load capacity 100 kg
- Strength : 25 kN
- Included conduit rope
- Conforms to EN 360:2002 **CE**



Model	Housing	Rope Type	Rope Dia	Rope Length
EDGE 15	Polyamide	Galvanised	4 mm	15 metre
EDGE 15 S	Polyamide	Stainless steel	4.8 mm	15 metre
EDGE 20	Polyamide	Galvanised	4 mm	20 metre
EDGE 20 S	Polyamide	Stainless steel	4.8 mm	20 metre



EDGE HEAVY DUTY

- Heavy duty wire rope type retractable fall arrester
- 4 mm galvanised steel rope / 4.8 mm stainless steel rope with swivel snap hook
- Durable polyamide casing
- Maximum load capacity : 100 kg
- Strength : 25 kN
- Included with conduit rope
- Conforms to EN 360:2002 **CE**

Model	Housing	Rope Type	Rope Dia	Rope Length
EDGE 25	Polyamide	Galvanised	4 mm	25 metre
EDGE 32	Polyamide	Galvanised	4 mm	32 metre

ANCHOR LINES

PR-14

- 3-strand polyamide rope
- Rope dia: 14 mm.



ROPE GRAB FALL ARRESTER

ASCORD AN 060

- Built in shock absorber and fall indicator
- Made of stainless steel
- In built gravity lock to avoid incorrect use
- Light weight compared to conventional fall arrester
- Works on 14 mm dia polyamide rope
- Conforms to EN 353-2 **CE**



UB 2009

- Guided type fall arrester
- Made of alloy steel
- In built gravity lock to avoid incorrect use
- In event of fall quickly grips the rope
- Detachable from rope
- Works on 14 mm dia polyamide rope
- Conforms to EN 353-2 **CE**

UB 2005 SS

- Light weight guided type fall arrester
- Made of stainless steel
- In built gravity lock to avoid incorrect use
- Two deliberate operation require to open and close
- Built in rope guided wheel for tangle free movement
- With anti panic feature
- Conforms to EN 353-2 **CE**



UB 2014

- Light weight guided type fall arrester
- Made of mild steel
- In built gravity lock to avoid incorrect use
- Two deliberate operation require to open and close
- Built in rope guided wheel for tangle free movement
- With anti panic feature
- Conforms to EN 353-2 **CE**

CONNECTORS

Connectors are components that are used to link other Personal Fall Arrest System (PFAS) components together, for example, a lanyard to an anchor.

Connectors that have a closure function, which provides protection against unintentional opening of the gate, should be used (e.g., by means of an automatic locking device or screw-sleeve).

Anchor connectors



Class-A connectors are connectors used for specific type of anchors

Multi-use connectors



Class-M connectors are for general use which may be loaded on either the major or minor axis.

It is important to note the safe working load for a major and minor axis of a connector (as per manufacturer's instructions and recommendations).

Termination connectors



Class-T connectors come with a captive eye.

SH90 HOOK

- Steel alloy hook
- Small and compact Drop Forged
- Weight : 349gm
- Strength : 25 kN
- Opening : 56 mm
- Conforms to EN:362



LIGHTWEIGHT TOWER ANCHOR HOOK

- Stainless steel hook
- Strength : 25 kN
- Opening : 75 mm
- Conforms to EN:362



EASY 308

- Steel karabiner with screw gate
- Strength : 22 kN
- Opening : 17 mm
- Conforms to EN:362



EASY 310

- Karabiner with screw gate
- Strength : 20 kN
- Opening : 19 mm
- Conforms to EN:362



EASY 311

- Aluminium alloy with karabiner with screw gate
- Strength : 25 kN
- Opening : 16 mm
- Conforms to EN:362



EASY 312

- Aluminium alloy karabiner with screw gate
- Strength : 25 kN
- Opening : 22 mm
- Conforms to EN:362



EASY 313

- Aluminium alloy with quarter turn karabiner
- Strength : 25 kN
- Opening : 22 mm
- Conforms to EN:362



EASY 314

- Aluminium alloy snap hook
- Strength : 22 kN
- Opening : 22 mm
- Conforms to EN:362



EASY 315

- Steel quarter turn hook
- Forged alloy steel
- Strength : 22 kN
- Opening : 25 mm
- Conforms to EN:362



EASY SH 18

- Snap hook
- Forged alloy steel
- Strength : 22 kN
- Opening : 18 mm
- Conforms to EN:362



EASY SH 60

- Snap hook
- Forged alloy steel
- Strength : 22 kN
- Opening : 56 mm
- Conforms to EN:362
- Weight: 475 gm



EASY SH 61

- Snap hook
- Forged aluminium alloy
- Strength : 22 kN
- Opening : 60 mm
- Conforms to EN:362
- Weight: 470 gm





ROPE ACCESS EQUIPMENTS



DESCENDER

A manually operated, controlled descent device most commonly used for suspended work positioning, self evacuation or rescue operations.

- With double stop designed for anti-panic auto braking system
- Immediate blocks on clutching or releasing the devices
- Works on 10.5 - 11 mm Braided Rope
- Maximum working load is 150 kg
- Conforms to EN 341 - Class-A



ASCENDER

Ascender handle are mechanical devices that attach onto a climbing rope and allow a climber to ascend the rope.

- Lower holes for connecting lanyard and installing foot loop with a standard karabiner
- Upper hole through which a karabiner attaches the device to the rope (useful for back-up belays or hauling)
- Works on 10.5 - 11 mm braided rope
- Plastic mould for better handling and isolating protection prevents the ascender from accidentally coming off the rope
- Conforms to EN 567



CHEST ASCENDER

A simple and efficient system for rope access use

- Used as an ascender or positioning device
- Designed as an abseil protection device
- Works on 10.5 – 11 mm Braided Rope
- Ergonomic low profile release catch allows single-handed operation
- Safety catch prevents the cam from opening too far, thus helping to keep the rope captured for added safety
- Conforms to EN 567



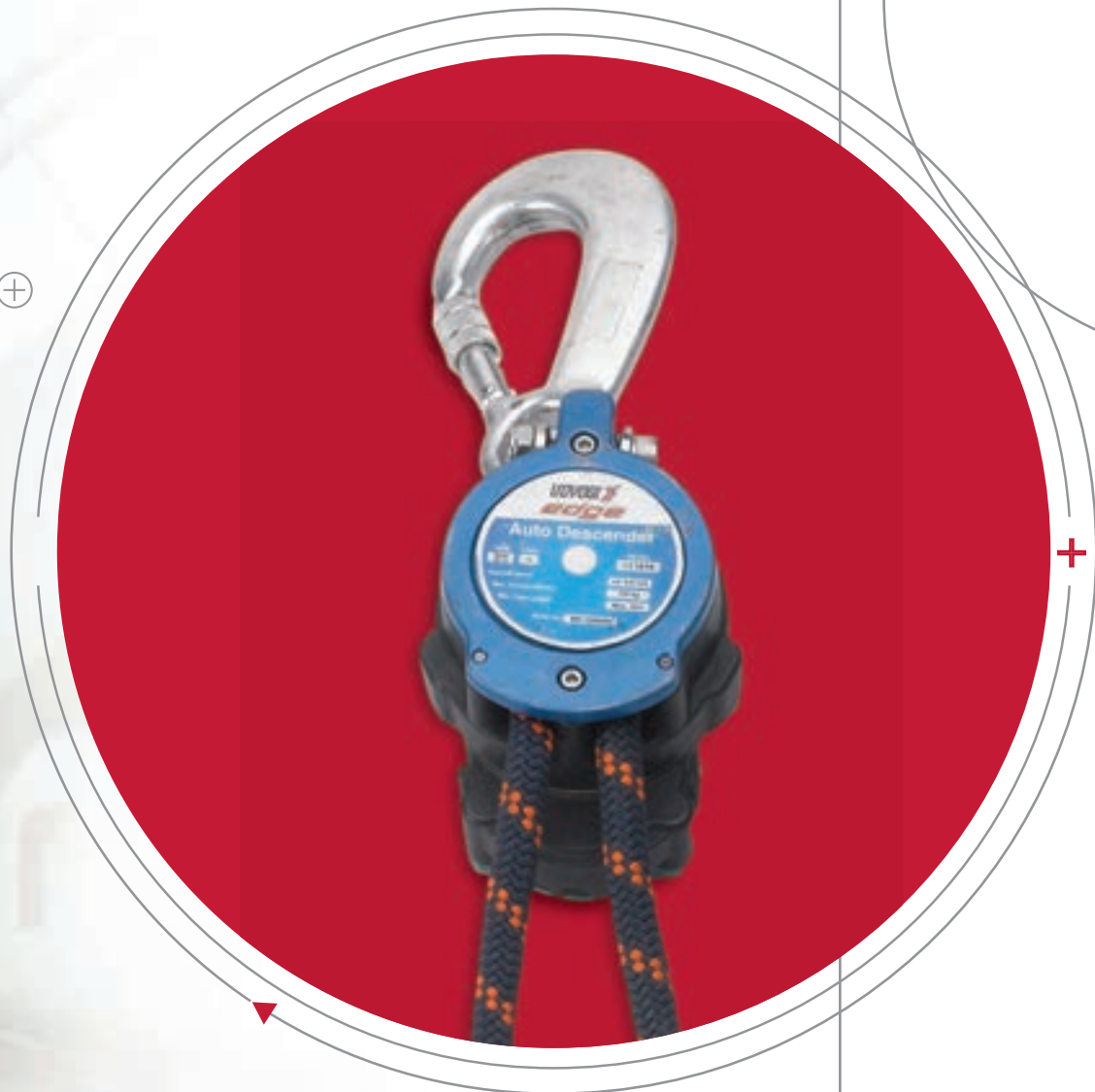
BRAIDED ROPE

Heavy duty rope with low elongation and high static strength, intended primarily for work at height and rescue in care of a fall

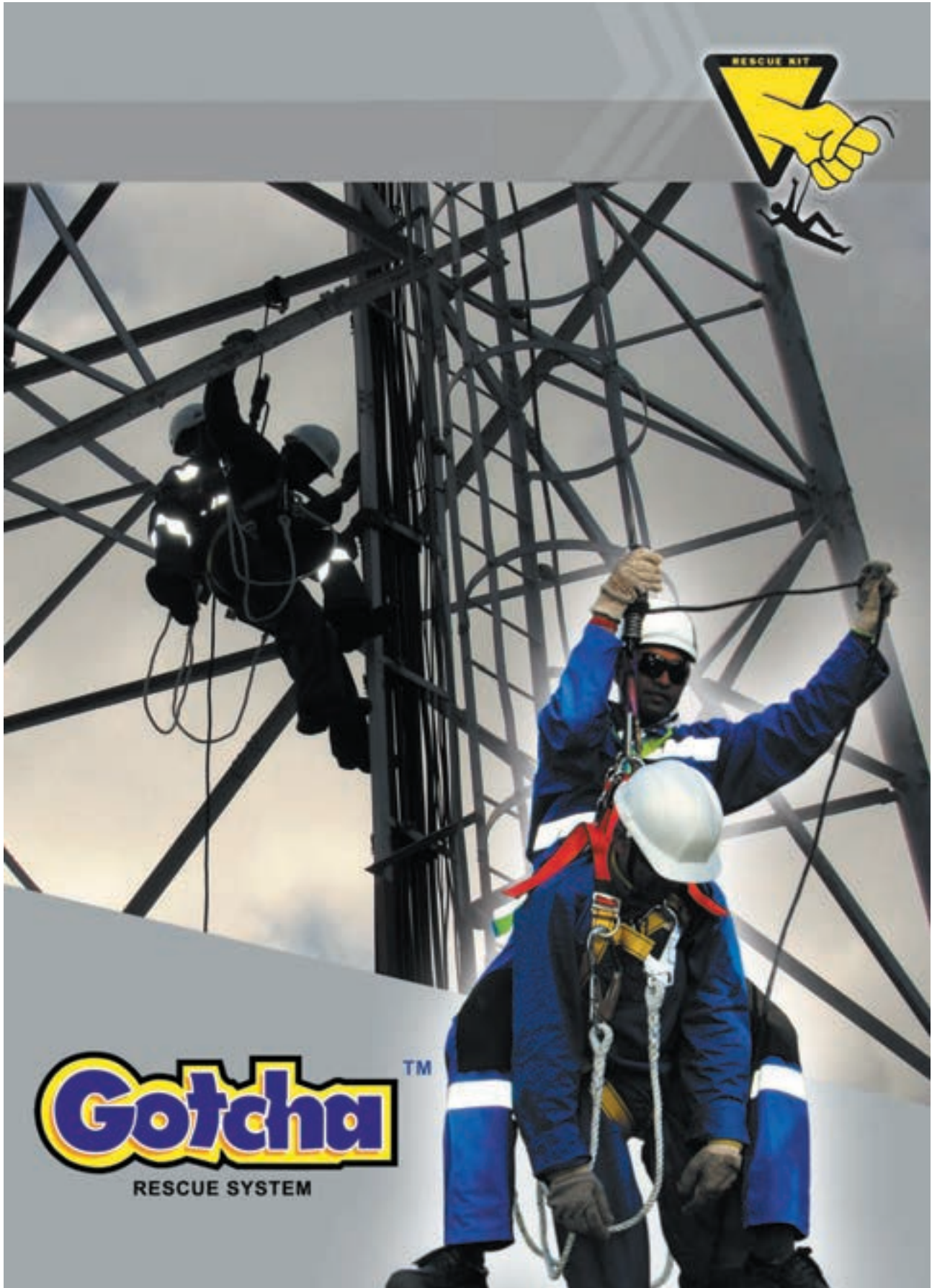
- Material : Polyester
- Rope dia : 10.5 mm
- Strength : 38 kN
- Standard : EN 1891 to EN 567



RESCUE



Components are mutually-logically and technically streamlined and optimised for maximum performance and stability, one piece and easy-to-open integrated system, quick to deploy, system generated signals about right functioning and stability, designed to minimise the time factor and comply to sustain suspension trauma, capacity to carry 300 kgs and sustain the weight of two persons and compliant to EN 341 Class-D parameters.



GOTCHA SHARK KIT ASSISTED RESCUES

Pre engineered self-contained kit designed for rescue or recovery of a fallen or injured person from high structures such as pylons, towers and masts.

FEATURES

- A self-locking descender pre-installed on heavy-duty kernmantle rope
- Designed to ensure the user maintains control in extreme situations
- Auto-lock on release or panic grip
- Rated for loads up to 300kg
- Installed on 11 mm thick semi-static rope with captivated steel auto-lock karabiner and attachment sling
- Double slings for attaching rescuer and casualty both with steel auto-lock karabiners
- Integral rope protector
- Provided in a clearly labeled, robust "rescue " bag with attachment points and handles for ease of carrying
- Certified to EN 341 Class-D



ADVANTAGES

- Suitable for rescue from - lanyards, vertical fall arrest systems and web retractable
- Fast and reliable - can be operated by a single person and easy to handle
- Bladeless cutting - the victim is released by cutting their primary attachment with a unique bladeless cutter for safety and accuracy
- Rescue direction - the Shark is a descent rescue kit entails the rescuer descending to the victims collecting them and descending to safety
- Pre-assembled - no assembly is required by the user
- Colour coding - all components in a bag, ready for immediate use
- Assisted rescue - the rescuer accesses the victim in order to recover them
- Two person use - the Gotcha Shark is rated for loads up to 330 kg approximately in normal use
- Gotcha Shark Kits are available in 66 metres and 100 metres in length





RESCUE

EDGE AUTO DESCENDER

The Edge Auto Descender is a self-rescue equipment by means of which, one or more persons (one after the other) can be lowered at a controlled speed.

Its one of the lightest automatic escape devices in the world.

Technical specification:

- Ready-to-use evacuation kit
- Automatic self descender, descent speed range: 0.80-1.50m/sec
- Works on 11 mm dia kermental rope
- Available roap length 30m, 50m, 100m.
- Maximum load capacity : 150kg
- Minimum load : 20kg
- Housing : Cast aluminium
- Housing cover : Stainless steel
- Equipped with standard karabiner
- Certified to : EN 341 CLASS-A

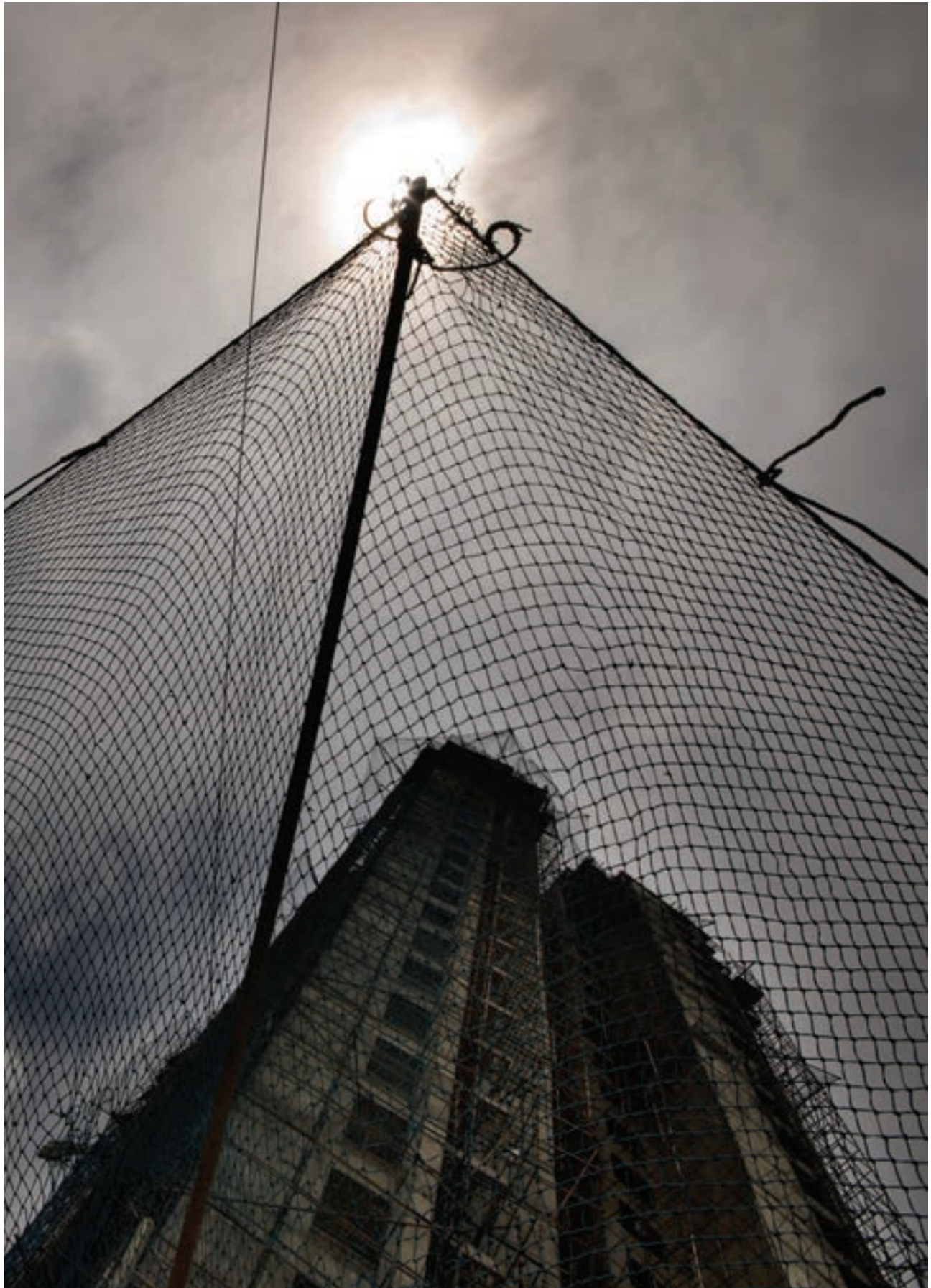


GOTCHA CRD AUTO DESCENDER

Compact pocketsize emergency rescue-cum-evacuation device with an automatically-controlled descent speed

Technical specification:

- Suitable for evacuation from - high structures where constant rate of lowering and minimal user input are required
- Pre-assembled - No assembly is required by the user
- Evacuation direction - The user can descend to safety at a constant rate controlled by the device
- Extremely Lightweight
- Lone evacuation - A single person can descend to safety
- Multiple evacuation - Once the first user has safely descended the system can be used by additional users in quick succession
- Two person use - The Gotcha CRD is rated for loads up to 225kg
- Maximum working length 100 metres of rope
- EN 341 Class-A

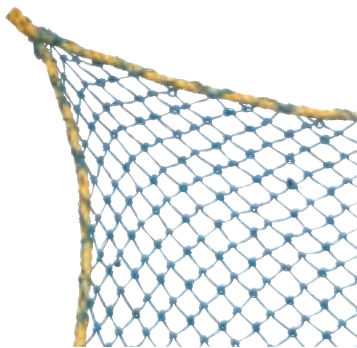
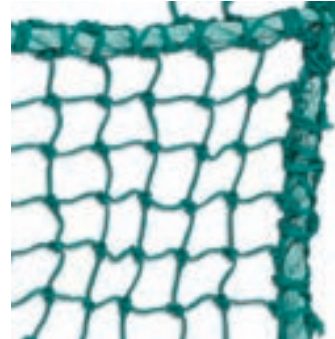


SAFETY NET

SN 001

Braided safety net

- Mesh size : 30 mm X 30 mm
- Mesh rope : 2.5 mm dia single braided rope
- Border rope : 12 mm dia PP rope
- Tie rope : 12 mm dia PP rope of 2 metres length at every 1.5 metre interval
- ISI marked polypropylene rope conforming to IS: 5175 of 1992



SN-002

2 mm double cord safety net

- Mesh size : 40 mm X 40 mm
- Mesh rope : 2 mm dia double cord
- Border rope : 12 mm dia PP rope
- Tie rope : 12 mm dia PP rope of 2 metres length at every 1.5 metre interval
- ISI marked polypropylene rope conforming to IS: 5175 of 1992

SN-003

Overlay safety net

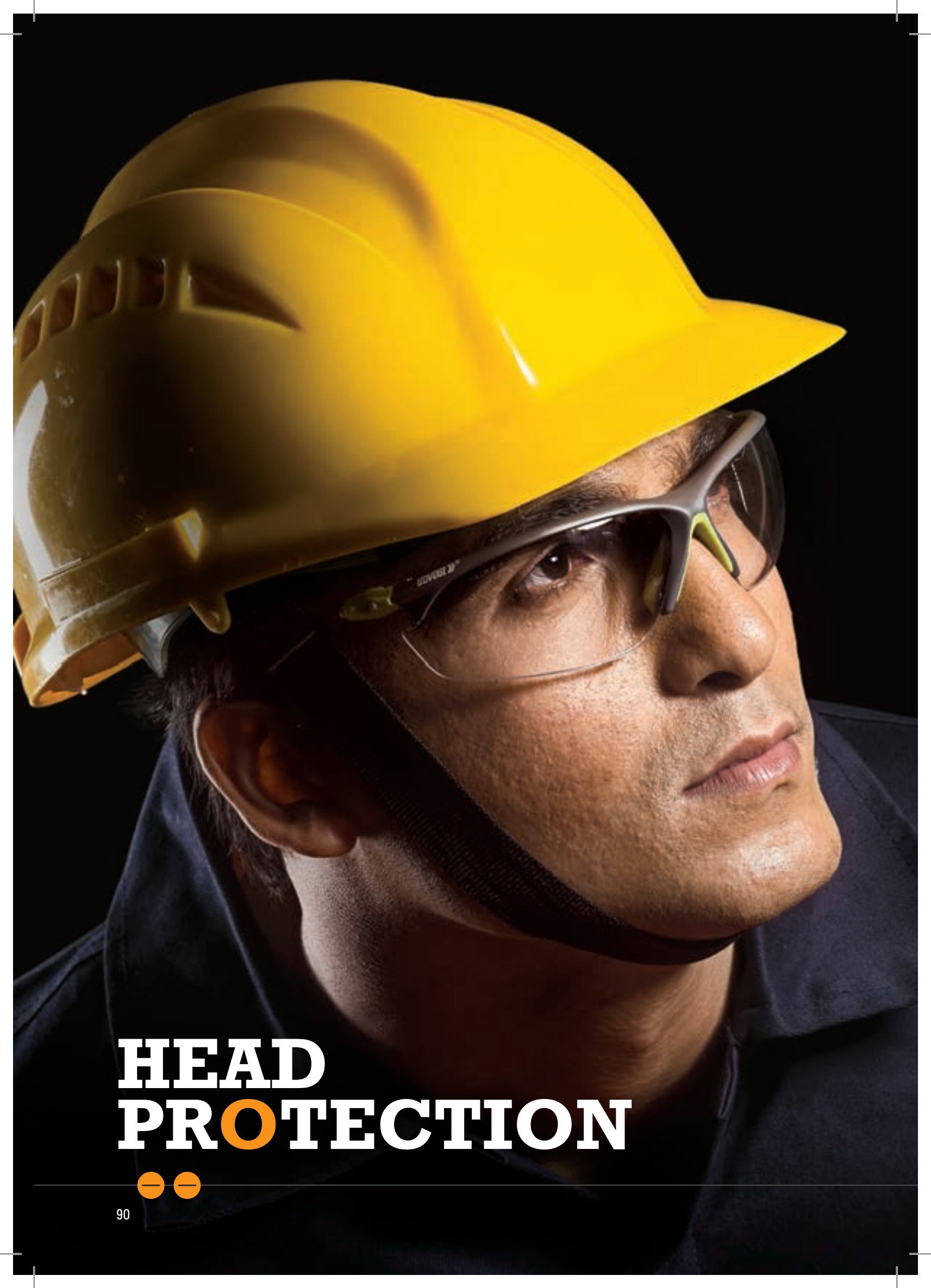
- Mesh size : 100 mm x 100 mm
- Mesh rope 4 mm dia PP rope
- Border rope : 12 mm dia PP rope
- Overlay net : Containment net of 1 mm dia twin, mesh size 15-22 mm
- Tie rope : 12 mm dia PP rope of 2 metres length at every 1.5 metre interval
- ISI marked polypropylene rope conforming to IS: 5175 of 1992



RESCUE STRETCHER

- EN ISO 1348:2003
- Flat size : 240 cm x 95 cm.
- Rounded size : 90 cm with diameter 20 cm.
- CE Certified.





HEAD PROTECTION





State-of-the-art manufacturing process: Modern moulding technology along with stringent production control - ensuring safe and reliable operations. Durability: Virgin raw material like PE, ABS and reinforced fiberglass ensures durability and performance. Ergonomic: Lightweight, easily adjustable sizing system for individual head sizes catering to every individual need. Innovative: Shell design and comfortable fittings, simple adjustments yet stable and robust Application and work ambience orientation: Wide range of helmets providing choice for many, Integrated and optimally designed for protection and comfort Compatibility: Designed to be perfectly fit with other PPEs like earmuff and face shields enhancing the level of protection. Leadership: 35 years of experience and first to launch various specialised helmets in India, the best in its class. State-of-the-art testing facilities ensures stringent compliance with international and Indian certifications



Temperature resistant



Strong and durable



Ratchet fit



Air Ventilation



Lightweight



Recyclable



Ratchet suspension



Textile suspension

Colours available



THERMOGUARD 9000 SERIES (FIBERGLASS HELMET)

Material

- Proprietary injection-molded fiberglass compound

Suspension

- 4 point textile suspension with slip fit or ratchet fit adjustment
- Adjustable chin strap
- High quality sweat band
- Size : 53 - 60 cm

Standard

- IS:2925:1984 ISI marked

Key features

- Designed for use in industries where there is a hazard from high levels of radiant heat
- Environment friendly as the material is re-cyclable.
- 8X stronger than HDPE helmets yet lightweight
- Greater impact resistance and crack resistance with cross ribs – more reliable and durable
- More rugged, to sustain extreme conditions
- Aesthetic look with smooth finish – injection moulded solid colour resin for a permanent, no-chip, no-peel finish



Ideal for heat zone

Model	Shell	Cradle	Head band	Sweat band	Adjustment
THERMOGUARD TG4	FRP	Textile - 4 point	Plastic	Brushed cloth on foam	Slip fit
THERMOGUARD TG4 RX	FRP	Textile - 4 point	Plastic	Brushed cloth on foam	Ratchet fit



Ratchet suspension



Textile suspension

Colours available



VISTA 8000 SERIES

- Material : HDPE
- Suspension : 4-point textile cradle with plastic headband having slip fit or ratchet fit adjustment
- Chin strap : Adjustable
- Sweat band : Brushed cloth on foam
- Size : 53 - 60 cm

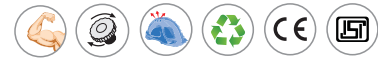
Key features

- Design : Lightweight aerodynamic design with X-ribs across the helmet shell
- Standard : IS:2925:1984 ISI marked



Aero dynamic design

Model	Shell	Cradle	Head band	Sweat band	Adjustment
VISTA 8000 L	HDPE	Textile - 4 point	Plastic	Brushed cloth on foam	Slip fit
VISTA 8000 LRX	HDPE	Textile - 4 point	Plastic	Brushed cloth on foam	Ratchet fit



Ratchet suspension



Plastic suspension

Colours available



ULTRA VENT 7000 SERIES

- Material : HDPE
- Suspension : 6 point plastic suspension with slip fit or ratchet fit adjustment
- Chin strap : Adjustable
- Sweat band : Brushed cloth on foam
- Size : 51-62 cm

Key features

- Ventilation : Unique crown ventilation system
- Adaptability : Universal slots to accommodate face and hearing protection accessories
- Standard : IS:2925:1984 ISI marked
EN 397 CE marked
- Design : Three ribs at the top of the helmet



For highly humid areas

Model	Shell	Cradle	Head band	Sweat band	Adjustment
ULTRA VENT 7000 L	HDPE	Plastic - 6 points	Plastic	Brushed cloth on foam	Slip fit
ULTRA VENT 7000 LRX	HDPE	Plastic - 6 points	Plastic	Brushed cloth on foam	Ratchet fit



Textile suspension



Plastic ratchet suspension

Colours available



FUSION 6000 SERIES

Material

- ABS with 8 point plastic or textile suspension system with slip fit or ratchet fit adjustment
- Adjustable chin strap
- Brushed cloth on foam sweat band

Key features

- Lightweight with maximum protection
- Distinctive aerodynamic design with universal appeal
- Lower extension of nape strap to prevent dislodging
- Ventilation at highest point to allow cool airflow and maximum comfort inside

- Short peak for better upward visibilities
- Universal slots to accommodate face and hearing protection accessories
- Excellent rain management system to effectively reduce the flow of water down the neck
- Multiple positions to print company logo
- Electrical resistance up to 440 V (Unvented)
- Standard : Conforms to EN 397 CE marked



For prolonged uses where weight and comfort is foremost important

Model	Shell	Cradle	Head band	Sweat band	Adjustment
FUSION 6000 L	ABS	Textile - 8 points	Plastic	Brushed cloth on foam	Slip fit
FUSION 6000 L RX	ABS	Textile - 8 points	Plastic	Brushed cloth on foam	Ratchet fit
FUSION 6001 L	ABS	Plastic - 8 points	Plastic	Brushed cloth on foam	Slip fit
FUSION 6001 LRX	ABS	Plastic - 8 points	Plastic	Brushed cloth on foam	Ratchet fit



Ratchet textile suspension



Plastic suspension

Colours available



ULTRA 5000 SERIES

- Material : HDPE
- Suspension : 6 point plastic or textile suspension with slip fit or ratchet fit adjustment
- Chin strap : Adjustable
- Size : 51 – 62 cm
- Sweat band : Brushed cloth on foam

Key features

- Design : Three ribs at the top of the helmet
- Adaptability : Fully-compatible with the range of face and hearing accessories
- Standard : IS:2925:1984 ISI marked
EN 397 CE marked
DGMS approved

Model	Shell	Cradle	Head band	Sweat band	Adjustment
ULTRA 5000 L	HDPE	Plastic - 6 points	Plastic	Brushed cloth on foam	Slip fit
ULTRA 5000 LRX	HDPE	Plastic - 6 points	Plastic	Brushed cloth on foam	Ratchet fit
ULTRA 5001 L	HDPE	Textile - 6 points	Plastic	Brushed cloth on foam	Slip fit
ULTRA 5001 LRX	HDPE	Textile - 6 points	Plastic	Brushed cloth on foam	Ratchet fit



Plastic suspension

Colours available



UI 1211

- Material : HDPE
- Suspension : 6 point plastic suspension with slip fit adjustment
- Size : 53 – 61 cm
- Chin strap : Adjustable
- Standard : IS:2925:1984 ISI marked
DGMS approved



UI 1311



UI 1411

Model	Shell	Cradle	Head band	Sweat band	Adjustment
UI 1211	HDPE	Plastic - 6 points	Plastic	X	Slip fit
UI 1311 (Industrial)	HDPE	Textile - 8 points	Textile	In-built	Chin fit
UI 1411 (Load carrying)	HDPE	Textile - 8 points	Textile	In-built	Chin fit

HELMET AT A GLANCE

Model	Shell	Cradle	Head Band	Sweat Band	Adjustment
THERMOGUARD TG4	FRP	Textile - 4 points	Plastic	Brushed cloth on foam	Slip fit
THERMOGUARD TG4 RX	FRP	Textile - 4 points	Plastic	Brushed cloth on foam	Ratchet fit
VISTA 8000 L	HDPE	Textile - 4 points	Plastic	Brushed cloth on foam	Slip fit
VISTA 8000 LRX	HDPE	Textile - 4 points	Plastic	Brushed cloth on foam	Ratchet fit
ULTRA VENT 7000 L	HDPE	Plastic - 6 points	Plastic	Brushed cloth on foam	Slip fit
ULTRA VENT 7000 LRX	HDPE	Plastic - 6 points	Plastic	Brushed cloth on foam	Ratchet fit
FUSION 6000 L	ABS	Textile - 8 points	Plastic	Brushed cloth on foam	Slip fit
FUSION 6000 L RX	ABS	Textile - 8 points	Plastic	Brushed cloth on foam	Ratchet fit
FUSION 6001 L	ABS	Plastic - 8 points	Plastic	Brushed cloth on foam	Slip fit
FUSION 6001 LRX	ABS	Plastic - 8 points	Plastic	Brushed cloth on foam	Ratchet fit
ULTRA 5000 L	HDPE	Plastic - 6 points	Plastic	Brushed cloth on foam	Slip fit
ULTRA 5000 LRX	HDPE	Plastic - 6 points	Plastic	Brushed cloth on foam	Ratchet fit
ULTRA 5001 L	HDPE	Textile - 6 points	Plastic	Brushed cloth on foam	Slip fit
ULTRA 5001 LRX	HDPE	Textile - 6 points	Plastic	Brushed cloth on foam	Ratchet fit
UI 1211	HDPE	Plastic - 6 points	Plastic	X	Slip fit
UI 1311 (Industrial)	HDPE	Textile - 8 points	Textile	In-built	Chin fit
UI 1411 (Load carrying)	HDPE	Textile - 8 points	Textile	In-built	Chin fit

HEARING PROTECTION



ET 50

- Helmet attachable ear muff
- Designed to offer an excellent noise attenuation
- Height adjustability feature for long period user comfort
- Customised to be used with only Udyogi Ultra 5000 series helmet
- NRR 23 dB



EAR MUFF

ET 20

- Lightweight ear muff to filter hazardous noise
- No exposure of metal parts
- Adjustable ear - cups
- Soft foam - filled cushions and large ear cup openings to provide greater protection and comfort
- NRR 23 dB



ET 40

- Head mountable ear muff
- Personal adjustment by simply sliding the cups up and down
- Highly flexible, 360 degrees rotating headband
- Wide, asymmetric cup openings
- Specially designed low pressure headbands for long duration use
- NRR 22 dB

ET 70

- Head mountable ear muff
- With high function of NRR & SNR value.
- Suitable use in high volume or noise working.
- Easy and adjustable headband sides to fit all size.
- Soft PVC cushions for comfort during prolonged usage.
- Foldable & pocket size for storage and carry easily.
- SNR value: 32.1dB
- CE Certified EN352-1



EP 01 REUSABLE EAR PLUG

- Soft formulation, provides added comfort
- Finger grip design improves ease of insertion
- Polyester cord
- Attenuation SNR 25 dB
- Standard EN 352-2 CE Marked



Evolution: Products evolved as a statement of multi-functionality and fashion, cutting-edge manufacturing process ensuring safe, reliable operations and long operating life. Protection: Wrap around lens and frame designed for optimal eye and vicinity protection. Ergonomics: Lightweight and universal fit allowing long time wearer comfort, guaranteeing wearer acceptance. Quality: Optically neutral lens resistant to knocks, scratches and radiation, high quality anti-fog lens coating. Innovative: Application-based, multiple lens colour, ventilations in covered goggles for fresh airflow, compatible face shields, comprehensive design and range and thus setting new benchmarks throughout the industry. Compliance: Stringently complying to established EN and ANSI norms.



Lightweight



99.9% UV
Protection



Scratch Resistant
coating



Anti-fog coating



Chemical splash
protection



High impact
resistant



EYE AND FACE PROTECTION



INOX



Lens colour available 



- Unique design for unrestricted vision with adjustable soft temple
- Soft nose pads for universal fit
- Light mirror coated lens for outdoor/indoor application
- Anti-fog coating
- Lenses are impact resistant to level F
- Scratch-resistant coating on lens
- Optical Class-1
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high Impact requirements of ANSI Z87.1-2010



Indoor/Outdoor

TWISTER



Twist to adjust



Lens colour available



Patented turn-fit technology allows easy adjustment on temple

- Two positioned temple width adjustment
- Co-polymer soft nose piece
- Lightweight, flexible, stylish and sporty looking safety eyewear
- Polycarbonate 9.5 base dual clear lens
- Lenses are impact resistant to level F
- Lenses are optical Class-1
- Scratch-resistant coating on lens
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high Impact requirements of ANSI Z87.1-2010

TWISTER PLUS



Ear plug retainer



Retainer compatible with maximum eyewear - holds strings of ear plug



EDGE LITE



Compact and easy to carry



50% slimmer than others

Lens colour available

- Flat shaped polycarbonate safety eyewear
- Temples with clip-on system for compact size and could be folded in small space
- Brow bar, integral side shield protection
- Universal nose bridge
- Lenses are impact resistant to level F
- Lenses are optical Class-1
- Scratch-resistant coating on lens
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010

EDGE ULTRA



- Sleek frame fashionable side panel and design temple
- Scratch-resistant and anti-fog coating on lens
- 9.5 base dual polycarbonate lenses
- Lenses are optical Class-I and impact resistant to level F
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Lens colour available



Trendy, popular, close fitting



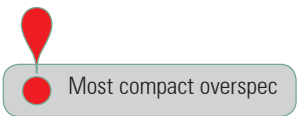
EDGE OVER



- Over the spectacle polycarbonate safety eyewear
- Brow bar and universal nose bridge
- Co-polymer soft temple tips
- Adjustable temple angle and length
- Lenses are optical Class-I and impact resistant to level F
- Scratch-resistant coating on lens
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Lens colour available



UD 50



Lens colour available

- Stylish and lightweight polycarbonate safety eyewear
- With 5 point temple adjustment
- Lenses are impact resistant to level F
- Lenses are optical Class-1
- Scratch-resistant coating on lens
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010





EDGE PLUS



- Tight fit, sporty, trendy and wrap around safety eyewear
- Frameless polycarbonate safety eyewear
- Universal fit soft nose pads
- Lenses are optical Class-I and impact resistant to level F
- Scratch-resistant coating on lens
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Lens colour available



Stylish, trendy and sporty look

EDGE VISION



- Frameless wrap around polycarbonate safety eyewear
- Lightweight, flexible, stylish and sporty looking safety eyewear
- Universal nose bridge
- Scratch-resistant and anti-fog coating on lens
- Lenses are optical Class-I & impact resistant to level F
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Lens colour available



High performance anti-fog coating

UD 61



Lens colour available

- Frameless design polycarbonate safety eyewear
- Adjustable temple length and angle
- Scratch-resistant and anti-fog coating on lens
- Lenses are optical Class-I and impact resistant to level F
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Adjustable temples with string

UD 71



Lens colour available



Ultra light


- Frameless polycarbonate safety eyewear
- Weight 23 gm
- Lenses are optical Class-I and impact resistant to level F
- Scratch-resistant coating on lens
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010

UD 46



- Sleek frame with side shield polycarbonate safety eyewear
- Wide angle brow guard
- 99.9% UV protection
- 4 point temple adjustment
- Meets EN 166:2001
- Meets high impact requirements of ANSI Z87.1-2010



Lens colour available 

UD 81



Lens colour available 

- Frameless polycarbonate safety eyewear with wrap around design
- Lenses are impact resistant to level F
- Lenses are optical Class-1
- Scratch-resistant coating on lens
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Ergonomically designed with pressure free temple tips

UD 30



- Over the spectacle polycarbonate safety eyewear
- Lenses are impact resistant to level F
- Integral ventilated side shield protection
- 99.9% UV protection
- Meets EN 166:2001
- Meets high impact requirements of ANSI Z87.1-2010



Lens colour available



Visitors spectacle

HT VISION



Lens colour available

- Lightweight safety eyewear with acetate frame
- Polycarbonate removable lens which can be altered with prescription lens
- Lenses are impact resistant to level F
- Lenses are optical Class-1
- Scratch-resistant coating on lens
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Can be fitted with prescription lens

RX I

- Lightweight safety eyewear with dual lens frame
- Very FLAT spectacle ; easy for retaining it in pocket of shirt or pants
- Dual-injected soft temple tip with 4 Length adjust for personalized and customized fit
- Polycarbonate removable lens which can be altered with prescription lens
- Side shields with ventilation for a better air flow
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



UD 007

- Frameless wrap around polycarbonate safety eyewear
- Lightweight, flexible, stylish and sporty looking safety eyewear
- Universal nose bridge
- Scratch-resistant coating on lens
- Lenses are optical Class-I & impact resistant to level F
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Lens colour available

EDGE NB

- Unique design for unrestricted vision with adjustable soft temple
- Soft nose pads for universal fit
- Light mirror coated lens for outdoor/indoor application
- Lenses are impact resistant to level F
- Scratch-resistant coating on lens
- Optical Class-1
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Lens colour available

GRINDING AND CHEMICAL SPLASH

ULTRA VIEW



Front view



Back view

Features

- Extremely comfortable for all-day wear and protect against typical hazards like flying particles, splashing material, dust and other general hazards
- Provides protection to eyes, brow and the area around while performing grinding, chipping and drilling activities

Ideal in field of use of

- i) Drops and splashes of liquid
 - ii) Large dust particles
 - iii) High speed flying solid materials
- Good field of vision having panoramic lens shape allowing 180 degree uninterrupted lateral vision
 - Integrated indirect ventilation allowing air movement directly across the lens while protecting against hazards
 - Lenses are easily replaceable
 - The weight of the goggle is 75 grams approximately

Specification

Frame: Non-allergic soft co-polymer for pressure free long duration use

Impact Protection: Tested and certified to impact protection as per EN166 to Level B confirming against medium energy impact of 120 metres/sec [402 km/hour]

Head-band: Soft elasticated with locking clips

Marking: EN166 B CE

Lens:

Material: Polycarbonate

Filter: Light filter of 2-1.2 according to EN 170

Coating: Scratch-resistant coating and antifog coating on both sides

Impact protection: Tested and certified as per EN166 to Level B

UV protection: 99.99%

Optical class: Class-I as per as per EN166

Marking: 2-1,2 U 1B KN CE

Standard

Meets or exceeds EN 166:2001 with CE marking

Meets high impact Requirements of ANSI Z87.1-2010



Chemical splash protection

ULTRAVIEW IR



Back view

Features

- Extremely comfortable for all-day wear and protect against typical Hazards like flying particles, splashing material, dust and other General hazards
- Provides protection to eyes, brow and the area around while Performing passive welding.

Ideal in field of use of

- i) Large dust particles
 - ii) High speed flying solid materials
- Good field of vision having panoramic lens shape allowing 180 degree uninterrupted lateral vision
 - Integrated indirect ventilation allowing air movement directly across the lens while protecting against hazards
 - The weight of the goggle is 75 grams approximately

Specification

Frame : Non-allergic soft co-polymer for pressure free long Duration use

Impact Protection : and certified to impact protection as per EN166 to Level B confirming against medium energy impact of 120 Metres/sec [402 km/hour]

Head-band : Soft elasticated with locking clips

Marking : EN166 B CE

Lens:

Material: Polycarbonate

Filter: Light filter of 2-1.2 according to EN 170

Coating: Scratch-resistant coating and antifog coating on both sides

Impact protection: Tested and certified as per EN166 to Level B

UV protection: 99.99%

Optical class: Class-I as per as per EN166

Marking : 2-1,2 U 1B CE

Standard

Meets or exceeds EN 166:2001 with CE marking

Meets high impact Requirements of ANSI Z87.1-2010

GRINDING AND CHEMICAL SPLASH

UD 31

- Safety panoramic goggle with enhanced vision and pressure-free fit
- Indirect ventilation for splash protection
- Polycarbonate scratch-resistant coated lens
- Flexible vinyl frame
- Adjustable head band
- Could be worn over a prescription spectacle
- Lenses have a high level of impact resistance
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Indirect vent goggle



Lens colour available



Lens colour available

UD 39

- Safety panoramic goggle with enhanced vision and pressure-free fit
- Perforations allows ventilation
- Polycarbonate scratch-resistant coated lens
- Flexible vinyl frame
- Adjustable head band
- Could be worn over a prescription spectacle
- Lenses have a high level of impact resistance
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Direct vent goggle



GALAXY DUOS

- Dual purpose goggle-Direct & Indirect ventilation
- Safety panoramic goggle with enhanced vision and pressure-free fit
- Polycarbonate Fog-resistant coated lens
- Flexible vinyl frame with adjustable head band
- Could be worn over a prescription spectacle
- Elasticated head band with quick buckle
- Lenses have a high level of impact resistance
- 99.9% UV protection
- Meets or exceeds EN 166:2001 with CE marked
- Meets high impact requirements of ANSI Z87.1-2010



Direct & Indirect vent goggle



Lens colour available

EYE PROTECTION - WELDING

G250

- Flip on type gas welding goggle
- Impact-resistant ABS eyecups
- Shade 5 DIN lens
- For gas welding / cutting / brazing operations



GW240

- Bocal type gas welding goggle
- Impact-resistant ABS eyecups
- Cover lens: Clear PC lens
- Filter lens: Shade 5 DIN lens
- Used in gas welding, cutting and chipping operation

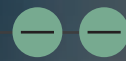
HT WELD

- Lightweight safety eyewear with acetate frame
- Side shield protection
- Polycarbonate shade 5 DIN replaceable lens



Ideal use for gas cutting and passive welding

FACE PROTECTION



6PAU FACE SHIELD WELDING

- Welding face shield
- Designed to worn with Ultra helmet
- Flip type front window with clear and DIN glass
- As per EN standard

Filter lens

- 5 DIN shade
- Size: 4 1/4" X 3 1/4"

Clear lens

- Size: 4 1/4" X 3 1/4"



6PAV FACE SHIELD WELDING

- Welding face shield
- Designed to worn with udyogi vented Helmets (Vista, Fusion & Ultravent)
- Flip type front window with clear and DIN glass
- As per EN standard

Filter lens

- 5 DIN shade
- Size: 4 1/4" X 3 1/4"

Clear lens

- Size: 4 1/4" X 3 1/4"



FC48 G FACE SHIELD WELDING

- Material: Dark green polycarbonate
- Size: 8" x 15 1/2"
- Thickness: 1.0 mm
- Protections against high-speed impact (120 m/s) at extreme temperature, penetration, splash of liquids and heat
- 99.9 % UV protection
- Protective films on both sides (prevent damages and scratches during transportation)
- Edges fitted with aluminum beading for easy adjustment to face contour
- Complies with CE EN166, EN170, ANSI Z87 +



FC 58 FACE SHIELD

- Material : Clear polycarbonate
- Size : 8" x 15 1/2"
- Thickness : 1.0 mm
- Protections against high-speed impact (120 m/s) at extreme temperature, penetration, splash of liquids and heat
- 99.9 % UV protection
- Best optical quality (highest ranking at the tests of spherical refractive power, astigmatic refractive power, prismatic refractive power, and light diffusion)
- Protective films on both sides (prevent damages and scratches during transportation)
- Edges fitted with aluminum beading for easy adjustment to face contour
- Conforms to EN166



FC 100 FACE SHIELD CARRIER

- Face shield carrier for ultra helmets
- Can accommodate ear muff ET-50



B10R RATCHET TYPE FACE SHIELD CARRIER

- Material: High impact resistance ABS
- Colour : Orange

Features:

- Flip-up and ratchet type adjustment
- Large cover area for user's forehead, providing full protection
- Complied with CE EN166, ANSI Z87+, CSA Z94.3



A3 FACE SHIELD CARRIER

- Material : Engineering plastics
- Colour : Black

Features:

- Fit in with regular safety helmets
- Use with "FC" series visors





FIRE & WELDING BLANKETS

FB 01

Fire blanket

- Wall mounted compact fire blanket
- Made of asbestos-free material
- Size : 1.2 metre X 1.8 metre
- High temp resistant made of Fiberglass Twill texture fabric
- Thickness : 0.43 mm
- Maximum temperature resistance : 550 degree centigrade



FB 30

Welding blanket

- Vermiculate coated ceramic fabric
- Thickness: 3 mm
- Reinforcement: 18 Swg - SS 304 wire
- Maximum temperature resistance: 1,260 degree centigrade
- Size: 1 metre X 30 metres

FB 08

Fiberglass fabric

- Fire resistant twill texture made of soft and compact fiber glass fabrics
- Thickness: 0.80 mm
- Maximum temperature resistance: 550 degree centigrade
- Length: 50 metre
- Width: 1 metre/1.2 metre/1.8 metre are also available



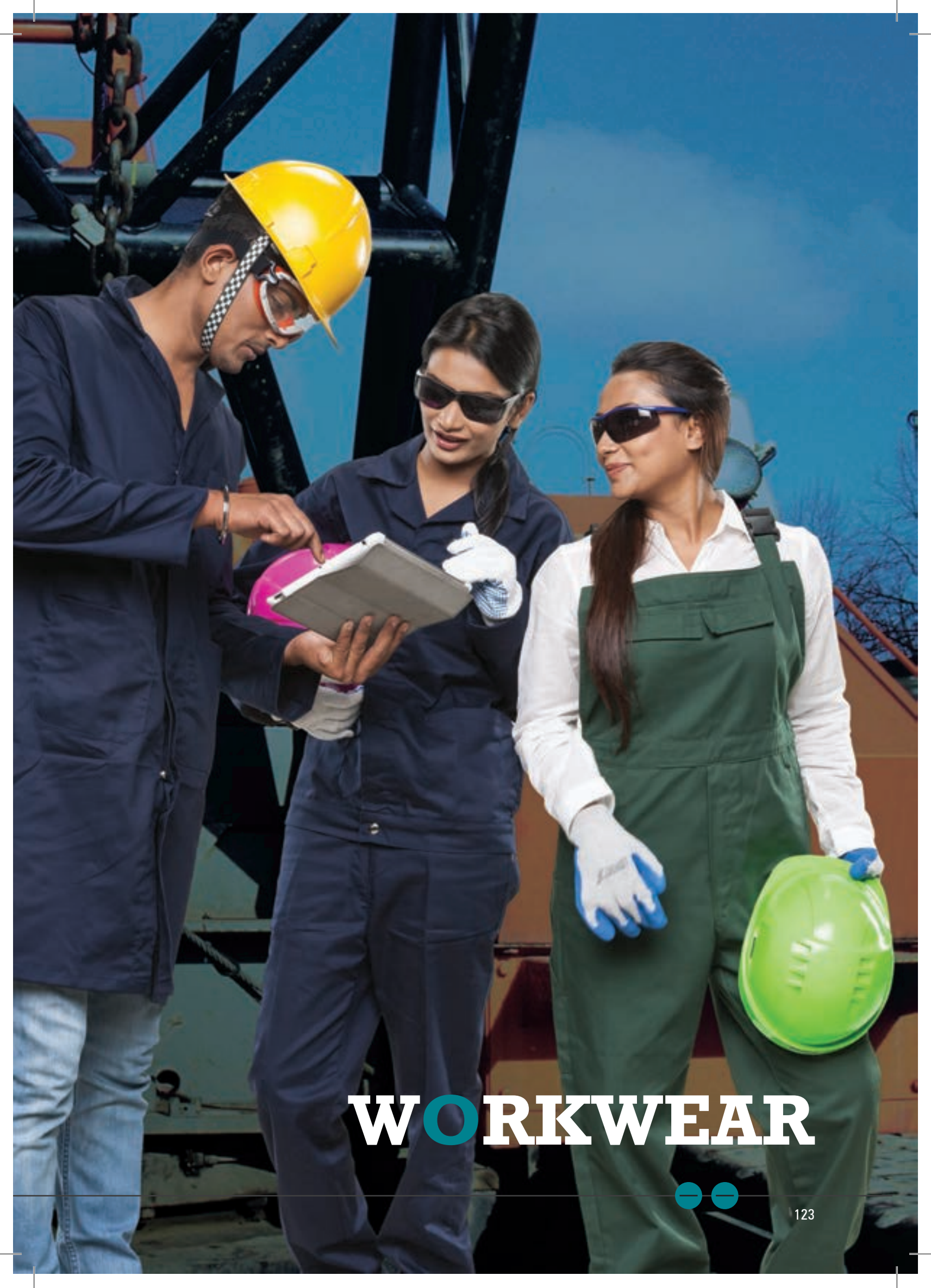
FB 04

Fiberglass fabric

- Fire resistant twill texture made of soft and compact fiber glass fabrics
- Thickness: 0.40 mm
- Maximum temperature resistance: 550 degree centigrade
- Length: 100 metre
- Width: 1 metre/1.2 metre/1.8 metre are also available



Material: Kevlar®, Nomex®, 100% cotton, Alumised fabric, Ergonomics: Heat and flame retardant, breathable, comfortable, Style: Coverall, jacket and trouser, apron, long coat and lab coat, leg guard, disposable garments, customisable size and logo prints Innovation: High heat and tensile resistant, radiant and contact heat protection Compliance: Stringently complying to established EN norms.



WORKWEAR



FIRE PROXIMITY ALUMINISED SUIT

Construction

The outer layer of the suit is made of aluminised Kevlar® fabric. The inner layer is made of woolen fabric lining and the third layer is made of flame retardant cotton cloth. All stitches are done with heavy-duty Kevlar® thread. The construction of the material is user durable, non-allergic, and skin-friendly.

Style

- Coverall : One-piece coverall with or without pouch to keep breathing apparatus
- Jacket and trouser : Jacket with or without pouch to keep breathing apparatus

Accessories

- Hood consists of FRP helmet with mica and tinted polycarbonate visor
- One pair of aluminised gloves
- One pair of aluminised leg-guard
- One pair of shoes made of Kevlar® upper and nitrile sole

Applications : These suits are used widely in intense heat, fire, steam and hot liquid.



ALUMUNISED APRON

- Apron : One-piece aluminised bib type back open

Applications : These are extensively used for protection from heat, metal splash, welding among others



ALUMUNISED COAT

- Long Coat : One-piece aluminised coat
- One pair of aluminised gloves

Applications : These are extensively used for protection from heat, metal splash, welding among others

KEVLAR®

Kevlar® - Registered trademark of DuPont™

Heat and cut-resistant hand gloves are manufactured using Kevlar®. It is a special type of organic para-aramid fiber, researched and innovated by DuPont™, used to make a variety of heat and cut resistant hand gloves, work garments and accessories. These fabrics are tested as per EN 388 (Cut-resistance) and EN 407 (Contact heat) standards.

Salient features of Kevlar®

- High cut-resistant and abrasion resistant organic (artificial) fiber
- Heat-resistant (very high melting point, 800°F/427°C decomposition temperature)
- Inherent flame resistant and self-extinguishing properties
- Good chemical resistance attributes
- Low thermal conductivity & low thermal shrinkage
- Strong and lightweight
- Kevlar® fiber is non-asbestos
- Comfortable for long period wearing, washable and durable
- Environment-friendly as the material is recyclable
- Protection : Flame and contact temperature from 250°C to 550°C

SUIT

Construction

The outer layer of the suit is made of 100% Kevlar® fabric. The inner layer is made of woolen fabric lining and the third layer is made of flame retardant cotton cloth. All stitches are done with heavy-duty Kevlar® thread. The construction of the material is user durable, non-allergic, and skin friendly.

Style

- One-piece overall
- Jacket and trouser

Accessories

- One pair of Kevlar® gloves
- One pair of Kevlar® leg-guard

Size

- Custom



APRON



- 100% Kevlar® fabric
- BIB type back open with/ without sleeves
- Woolen felt in middle layer and cotton fabric in the inner layer
- Stitching with Kevlar® thread
- Two chest straps for adjustment
- Custom size

LEG GUARD



- 100% Kevlar® fabric
- L type construction
- Cotton fabric in the inner layer
- Stitching with Kevlar® thread
- Straps for adjustment
- Custom size

NOMEX®

DuPont™ Nomex® is a revolutionary heat and flame-resistant fiber, providing protection to millions of workers worldwide. Professional disaster management groups particularly fire fighters have been using the flame-resistant garment made of Nomex® brand fiber. Unpredictable fires situations could create situations where temperatures could reach around 19000 Fahrenheit. This leaves workers vulnerable to serious injury. Nomex® III A - innovative fiber is a blend of 93% Nomex® with 5% Kevlar® and 2% anti-static fiber. This fiber forms a protective guard to skin.

Features

- Dyed and finished garments - inherently flame resistant
- Durable and resistant to abrasion, tears and chemicals
- Fiber does not melt, burn, drip or support combustion in air
- Inherent thermal protection that cannot be washed away

NOMEX® 3 LAYER

Construction

Outer Shell : Nomex® rip stop construction for greater abrasion resistance

Moisture barrier : Resistant to water penetration and liquid chemicals

Thermal liner : FR felt attached to FR face cloth

Reflective Tape : Tested to EN 471

Standard : EN 469

Style

- Jacket and trouser

Jacket

- Two side pockets with flaps and one radio pocket on chest
- Front zipper extending to collar
- Lace intact at waist
- 5 cm wide retro-reflective trim, one trim around the chest, one trim around the waist and one trim each around the sleeves

Trouser

- Pass through pockets on both sides
- Fly zipper
- Adjustable braces
- Reflective trim near knees
- Elastic intake on back

Accessories

- Fireman helmet as per EN443
- Fireman hand gloves, waterproof and fire resistant
- Fireman boots as per EN345-2

Size

- M/L/XL

Applications : Fire fighters



NOMEX® IIIA SINGLE LAYER

Nomex® IIIA coverall protect from industrial flash fires. The aramid fibers used in the garment provides superior flame resistance. The fibers will not melt, burn, drip or support combustion in air. It is inherently flame resistant and this property cannot be degraded by laundering.

Material: Nomex® IIIA (93% Nomex®/ 5% Para Aramid/ 2% Anti-static)

Weight: $150 \pm 5\%$ g/m² ($4.42 \pm 5\%$ Oz/Yd²) or custom weight

Sizes: Small, medium, large and extra large or custom size

Style: Single piece coverall with or without reflective tapes.

Colour: Orange and blue

Description:

This coverall features full sleeves having easy movement, five pockets for functionality and all stress points are bar-tack reinforced for strength.

Features:

- One chest pockets, two back pockets, two side pockets
- Elasticised waistband
- Hemmed sleeves
- One piece tope stitched, lay flat colour
- Concealed 2-way, heavy duty zip with metal snap closure
- Arc rating 4.8 ATPV

Standard:

Flame resistance : ENISO11612:2008 A1,B1,C1,F1

Anti-static : EN1149-5

Application : Petrochemicals, utilities, military, firefighter



PROBAN® FLAME RETARDANT

PROBAN® finished fabrics retain their flame retardant properties for the lifetime of the garment. Fabrics acquire their flame retardant properties from the polymer which is embedded into the fabric. It can only be removed by powerful oxidising agents. When exposed to flame, PROBAN® fabrics form an insulating char, this stays in place and helps protect the wearer. PROBAN® fabrics do not smoulder, have no afterglow, do not melt and the flame doesn't spread outside the charred area

Material : Proban ® treated 100% cotton fabric

Weight : $350 \pm 5\%$ g/m² ($10.32 \pm 5\%$ Oz/Yd²) or custom weight

Sizes : Small, medium, large and extra large or custom size

Style : Single piece coverall with or without reflective tapes

Jacket and pant with or without reflective tapes

Long coat

Bib type apron

Colour: Orange and blue

Standard:

Flame resistance : NFPA 2112, ASTM F1506-2010a, ATPV 12 CAL/CM²

Application: Metal industries, electrical industries, chemical manufacturing or anywhere there is a risk of fire

LAB COAT

Material : 100% cotton/polyester

Weight : 150-250 GSM

Style : Three pockets (One chest pocket and two lower pocket in front) or custom made

Button : Plastic

Colour : White or custom colour

Stitching : Lock-stitched

Size : S/M/L/XL

The coat can be customised and company's logo can be embroidered



DENIM WORK WEAR

Material : 100% flame retardant cotton

Flame retardant treatment: PROBAN® or PYROVATEX®

Style : Jacket and pant (With/without reflective tape)
Long coat

Weight : Range of 300 GSM to 450 GSM

Colour : Blue

Closure : A heavy-duty brass zipper extending from bottom to top of collar

Button : Metal

Adjustment : Button / Velcro

Logo : As per buyer's specification

Stitching : Lock-stitched with F.R. thread

Size : S/M/L/XL/XXL

TYCHEM® C SUIT

Tychem® C chemical suits offer safe, reliable and lightweight protection CE certified to type 3b, 4, 5 and 6 for the most varied applications because these Tychem® suits are designed to provide the right fit, they give the wearer maximum ease of movement to complete even difficult tasks.

Product Description

Dupont™ Tychem® C, hooded coverall is available in bright yellow for high visibility and with elasticated face, wrists, waist and ankles for an optimal fit, thumb loops prevent sleeves from riding up. Made from a lightweight and durable fabric (<450g per garment), Tychem® C garments utilise the strength of Tyvek® and a polymeric barrier coating to offer good permeation barrier protection against a wide range of inorganic chemicals and biological hazards (even under pressure).

- EN 14126 (barrier to infective agents), en 1073-2 (protection against radioactive contamination)
- Anti-static treatment (EN 1149-5) - on inside
- Stitched and over-taped seams with barrier tape for protection and strength
- Self-adhesive double zipper flap closure system for higher protection
- Also available in two piece - jacket and pant



PVC SUIT



Material : Soft non-toxic PVC .

Design : Coat, Pant & Hood OR Coverall type

Feature :

- Electrically welded instead of conventional stitching making it leak proof, tough and durable.
- Acrylic visor fitted in the Hood to give unrestricted clear vision.
- Generously cut for ease of movements, construction of Hood permits easy breathing.
- Acid/Alkali resistant..Temperature withstanding capacity with hot Acid/alkali is 60 Deg. C Safe limit

Color : yellow

Applications : Used for splash protection in a variety of industrial environments, including pulp and paper manufacturing, food processing, chemical processing and pharmaceutical manufacturing.



Design Principles: Mechanical strength, anatomical shape and improved wearer comfort enhancing productivity. **Ergonomic:** Highly breathable, flexible, outstanding dexterity and secure grip and hence tough, reliable and easy to service. **Applied Engineering :** Appropriate selection of fibers for mechanical and high temperature risks, coatings for chemical risks. **Protection:** Greater resistance time, abrasion-resistant, appropriate cut levels, absolute impermeability, heat insulations, All individually crafted masterpiece.



Oily environment



Chemical-resistant



Abrasion



Cut-resistant



Anti-static



Dexterity



Grip



Heat-resistant





HAND PROTECTION



CRC-1010 A

- Poly-cotton knitted gloves with latex coating on palm and all around the fingers
- 10 gauge shell
- Crinkle palm
- Knit wrist
- Shell colour : Grey
- Latex colour : Blue

Application: All type of general application like material handling, mid-level cut-resistant and gripping



EN 388 - Mechanical Hazard

3142



EN 388 - Mechanical Hazard

3142

CRC-1010 B

- Poly-cotton knitted gloves with latex coating on palm and all around the fingers
- 10 gauge shell
- Crinkle palm
- Knit wrist
- Shell colour : Grey
- Latex colour : Grey

Application : All type of general application like material handling, light cut-resistant and gripping



EN 388 - Mechanical Hazard

3131

NRC-1310

- Nylon knitted gloves with latex coating on palm and all around the fingers
- 13 gauge shell
- Crinkle palm
- Knit wrist
- Colour : Red shell on black rubber coating

Application : Assembly, gardening, woodworking, gripping.

NDJ-K2

- Nitrile butadiene rubber fully-dipped
- Cut and sewn
- Smooth finish
- Knit wrist
- Shell colour : Natural
- Latex colour : Blue/Green/Orange
- Industry : Chemical, construction, agriculture, glass, steel, automobile and general industries

Application : Handling of chemical, hot objects, wet objects, light cut-resistant, handling glass and sheet metal



EN 388 - Mechanical Hazard



EN 388 - Mechanical Hazard

NDJ-K1

- Nitrile butadiene rubber half-dipped
- Cut and sewn
- Smooth finish
- Knit wrist
- Shell colour : Natural
- Latex colour : Blue/Green/Orange
- Industry : Chemical, construction, agriculture, glass, steel, automobile and general industries

Application : Handling of chemical, hot objects, wet objects, light cut-resistant, handling glass and sheet metal

NDJ S2

- Cotton dipped gloves having inside jersey lining
- Nitrile butadiene rubber half-dipped
- Cut and sewn
- Smooth finish
- Safety cup
- Shell colour : Natural
- Latex colour : Blue/Green/Orange
- Industry : Chemical, construction, agriculture, glass, steel, automobile and general industries

Application : Handling of chemical, hot objects, wet objects, light cut-resistant, handling glass and sheet metal



EN 388 - Mechanical Hazard

NNC-1310

- Nylon knitted gloves with nitrile rubber coating on palm and all around the fingers
- 13 gauge seamless shell
- Smooth palm
- Knit wrist
- Shell colour : White
- Latex colour : Grey
- Industry : Automobile, electronics, engine plant assembly and assembly line of all industries

Application : Handling oily and greasy products, light fabrication, high abrasion and dexterity



EN 388 - Mechanical Hazard

4121



EN 388 - Mechanical Hazard

4343

DRC

- High cut-resistant knitted gloves with latex coating on palm and all around the fingers
- Seamless 10 gauge shells
- Crinkle rubber coating
- Knit wrist
- Cut level 4
- Shell colour : Grey
- Latex colour : Black
- Industry : Automobile, steel, metals

Application : High level cut protection

DRC 1010A

- 5 Thread Poly-cotton premium quality cotton with latex coating on palm and all around the fingers
- 10 gauge shell
- Crinkle palm
- Knit wrist
- Shell colour : yellow
- Latex colour : Green

Application : High level cut protection



KRC

- High cut-resistant para-aramid gloves with latex coating on palm and all around the fingers
- Seamless 10 gauge shells
- Crinkle rubber coating
- Knit wrist
- Cut level 4
- Shell colour : Yellow
- Latex colour : Blue
- Industry : Automobile, steel, metals

Application : High level cut protection; mild heat protection



EN 388 - Mechanical Hazard

4343



EN 388 - Mechanical Hazard

4131

NPU

- Nylon knitted gloves with polyurethane coating on palm and all around the fingers
- 13 gauge seamless shell
- Smooth palm
- Knit wrist
- Anti-static
- Shell colour : White
- Latex colour : White
- Industry : Automobile, electronic

Application : Handling oily and greasy products, light fabrication and dexterity



EN 388 - Mechanical Hazard

214x

PDC 0107

- PVC dotted gloves
- Seamless polyester cotton
- 7 gauge shell
- Single side dot
- Knit wrist
- Industry : Suitable for all types of industries

Application : All types of general use, material handling, high dexterity

PGI-BL

- Supported PVC gloves with sand finish
- 100% cotton interlock lining
- Single dipped, gauntlet
- Colour : Blue
- PGI 10 BL - Length (Finger top to wrist) : 10"
- PGI 14 BL - Length (Finger top to wrist) : 14"
- PGI 16 BL - Length (Finger top to wrist) : 16"
- PGI 18 BL - Length (Finger top to wrist) : 18"
- Industry : Petrochemical, fertiliser, construction

Application : Handling acids and alkalis



EN 388 - Mechanical Hazard



EN 374 - Chemical Hazard

HEAT-RESISTANT GLOVES



ALUMINISED GLOVES

- Outer shell : Aluminised Kevlar fabric
- Inner lining : Woolen felt
- Thread : Stitching with Kevlar thread
- Type of gloves : 5 Finger/Mitten or custom-made
- Size : Custom size



EN 388 - Mechanical Hazard



EN 407 - Heat-resistant

Kevlar® - Registered trademark of DuPont™

Heat and Cut-resistant hand gloves are manufactured using Kevlar®. It is a special type of organic para-aramid fiber, researched and innovated by DuPont™, used to make a variety of heat and cut-resistant hand gloves, work garments and accessories. These gloves are made from woven fabrics having weight range of 330 gsm, 450 gsm, 600 gsm and 750 gsm. These fabrics are tested as per EN 388 (Cut-resistance) and EN 407 (Contact heat) standards.

KEVLAR ALUMINISED GLOVES

- Outer shell : Palm Kevlar®, Back aluminised kevlar
- Inner lining : Woolen felt
- Colour : Yellow and natural
- Thread : Stitching with Kevlar, Back and Cuff leather thread
- Type of gloves : 5 Finger/Mitten or custom-made
- Size : Custom size



EN 388 - Mechanical Hazard



EN 407 - Heat-resistant



THERMO - K

- Outer shell : 100 % Kevlar®
- Inner lining : Woolen felt
- Colour : Yellow
- Thread : Stitching with Kevlar® thread
- Type of gloves : 5 Finger/Mitten or custom-made
- Size : Custom size



EN 388 - Mechanical Hazard



EN 407 - Heat-resistant



THERMO - K1

- Outer shell : Palm Kevlar®, Back and Cuff leather
- Inner lining : Woolen felt
- Colour : Yellow and natural
- Thread : Stitching with Kevlar® thread
- Type of gloves : 5 Finger/Mitten or custom-made
- Size : Custom size



EN 388 - Mechanical Hazard



EN 407 - Heat-resistant

THERMO - K2

- Outer shell : Palm and back Kevlar®, Cuff leather
- Inner lining : Woolen felt
- Colour : Yellow and natural
- Thread : Stitching with Kevlar® thread
- Type of gloves : 5 Finger/Mitten or custom-made
- Size : Custom size



EN 388 - Mechanical Hazard



EN 407 - Heat-resistant





Powerful technology: Cutting edge design, High performance, High functionality, Sustained effect, Optimum comfort, Running the gamut of equipments solution. Extensive Range: PU, Rubber, PVC, Durby, High Ankle, Gumboots, ultra light modern executive shoes, Sporty look making sure that it is tough, Reliable and easy to service. Features: Optimum cushioning and shock absorbing heel, Impact resistance toe cap, Anti-static sole, Optimal duration oil and chemical resistant providing maximum resilience and minimum weight. Special Application based: High heat resistance time and non-metallic toes for electrical applications, Penetration resistant sole to provide total protection at all times. Compliance: Compliant to EN and IS guidelines.



Oil resistant
outsole



Water resistant
upper



200 joule steel
toe cap



Anti-skid



Anti-static



Puncture resistant
steel mid sole



Energy absorption
EVA heel



Dual density
sole unit



Heat-resistant
outsole



FOOT PROTECTION



EDGE SERIES

EDGE RED EX



- Type : Derby
- Upper : Genuine full grain tanned 'Alabama' printed leather
- Thickness : 1.8-2.00 mm
- Sole : Single/Double density PU with extended toe guard
- Insole : Anti-static non-woven
- Lining : Comfortable PU inner lining, soft inner padded cushion for better comfort with padded collar
- Toe : Alloy steel toe
- Size : 5 to 11
- Colour : Black
- Standard : EN 345
IS:15298 Part 2



Anti-static sole



EDGE LITE EX

- Type : Derby
- Upper : Top quality buff leather
- Sole : Single density PU
- Lining : Breathable soft inner lining with padded collar
- Toe : High carbon anodised rust resistance steel toe
- Size : 5 to 11
- Colour : Black
- Standard : EN 345
IS:15298 Part 2



Ultra light

EDGE EX

- Type : Derby
- Upper : Genuine Leather
- Sole : Single density PU with extended toe gaurd
- Lining : Breathable soft inner lining with padded collar
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Standard : EN 345
IS:15298 Part 2



EDGE DD

- Type : Derby
- Upper : Genuine Leather
- Sole : **Double** density PU with extended toe gaurd
- Lining : Breathable soft inner lining with padded collar
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Standard : EN 345
IS:15298 Part 2

EDGE STEEL EX

- Type : Derby
- Upper : Printed buff leather
- Sole : Single/Double density PU with extended toe gaurd
- Lining : Comfortable inner lining with padded cover
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Puncture protection : Spring steel mid plate
- Standard : EN 345
IS:15298 Part 2



Puncture protection steel mid plate

EDGE STEEL AK

- Type : High ankle
- Upper : Printed buff leather
- Sole : Single/Double density PU with extended toe gaurd
- Lining : Comfortable inner lining with padded cover
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Puncture protection : Spring Steel mid plate
- Standard : EN 345
IS:15298 Part 2



Puncture protection steel mid plate



EDGE PLUS

- Type : Derby slip-on-type
- Upper : Full grain tanned 'Alabama' printed
- Sole : Moulded PU sole with deep cleats
- Insole : Fully moulded EVA
- Lining : Padded synthetic
- Toe : Alloy steel/ Fiber (optional)
- Size : 5 to 11
- Colour : Black
- Standard : EN 345
IS:15298 Part 2



Executive design

SPORTS C

- Type : Sporty design
- Upper : Suede split leather
- Sole : Double density PU
- Lining : Soft and breathable nylon lining
- Toe : Steel toe
- Size : 5 to 11
- Colour : Camel
- Standard : EN 345



Double density



TANGO SERIES

TANGO EX



- Type : Derby
- Upper : Genuine grain leather
- Sole : Single density PU
- Lining : Comfortable inner synthetic lining with padded collar
- Tongue : Soft cushion padded leather
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Standard : EN 345



TANGO AK

- Type : High ankle
- Upper : Genuine grain leather with synthetic foam
- Sole : Single density PU
- Lining : Comfortable inner synthetic lining with padded collar
- Tongue : Soft cushion padded
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Standard : EN 345

TANGO NMT EX



- Type : Derby
- Upper : Genuine grain leather
- Sole : Single density PU
- Lining : Comfortable inner synthetic lining with padded collar
- Tongue : Soft cushion padded leather
- Toe : Fiber toe
- Size : 5 to 11
- Colour : Black
- Standard : EN 345



Non metallic shoe



TANGO HR 300 EX

- Type : Derby
- Upper : Genuine leather
- Sole : Vulcanised nitrile rubber
- Lining : Leather
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Standard : IS:15298 Part 2



Heat-resistant



TANGO HR 300 AK

- Type : High ankle
- Upper : Genuine leather
- Sole : Vulcanised nitrile rubber
- Lining : Leather
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Standard : IS:15298 Part 2



Heat-resistant

EURO FORCE

- Type : Derby
- Upper : Genuine grain leather
- Sole : Single density PU
- Lining : Comfortable inner synthetic lining with padded collar
- Tongue : Soft cushion padded
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black



Budget PU shoe



EURO STEEL



- Type : Derby
- Upper : Genuine grain leather
- Sole : Single density PU
- Lining : Comfortable inner synthetic lining with padded collar
- Tongue : Soft cushion padded
- Puncture protection : Spring steel mid plate
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black



Budget PU shoe with steel plate



GALAXY

- Type : Derby
- Upper : Genuine buff Leather
- Sole : PVC
- Lining : Breathable soft inner lining
- Toe : Steel toe
- Size : 5 to 11
- Colour : Black
- Standard : EN 345
IS:15298 Part 2

ROCK MASTER GUMBOOT



- Type : Wellington design PVC gumboot
- Material : Direct injected, fully moulded single piece PVC
- Lining : Complete body reinforcement with heavy duty cotton lining
- Toe : With or without steel toe
- Size : 5 to 11
- Colour : Black
- Standard : IS:15298 Part 2



Acid and alkali resistant






Material: ABS and stainless steel deploying the most versatile, innovative and high performance material. Technology: Soft-spray, Aerated at low pressure, Anti-dust cover Range and accessories: Wall mounted and standing, hand operated and foot operated Quality: Excellent engineering design and stringent quality standards that is in line with the demanding emergency requirements of the industry. Compliance: Benchmarked to stringent IS parameters.

A close-up photograph of a person with dark hair, wearing a blue shirt, using an eye wash station. The person's head is tilted back, and water is being sprayed into their eyes from two yellow nozzles. The water is splashing and creating a mist. The person's hands are visible, holding the yellow basin of the station. The background is dark and out of focus.


EYE WASH AND SAFETY SHOWER

6220 (GI)

- Safety Shower and eyewash operates independently by pull rod and push lever
- Shower : Extra large drench shower head made of highly visible yellow ABS plastics
- Pipe : ISI marked GI pipe with powder coating for anti-corrosion
- Valve : SS stay open ball valve with yellow ABS push plate
- Bowl : Receptor bowl made of ABS and highly resistant to acid, alkali and oil among others.
- Automiser heads : Twin soft flow automiser head which has aerators to control the stream straightness and diameter, thus reducing splash by aerating the stream. It also controls to save water and reduce energy costs. The twin flow has cover which protects from dust and opens with water pressure.
- Activation : For shower - Pull rod & For eyewash – Push plate
- Water inlet and drain : 1-1/4 inches BSP
- Standard : IS: 10592:1982 




6220 SS

- Safety Shower and eyewash operates independently by pull rod and push lever
- Shower : Extra large drench shower head made of stainless steel
- Pipe : SS 304 pipe
- Valve : SS stay open ball valve with push plate
- Bowl: Receptor bowl made of SS and highly resistant to acid, alkali and oil among others.
- Automiser heads : Twin soft flow automiser head which has aerators to control the stream straightness and diameter, thus reducing splash by aerating the stream. It also controls to save water and reduce energy costs. The twin flow has cover which protects from dust and opens with water pressure.
- Activation : For shower - Pull rod; For eyewash – Push plate
- Water inlet and drain : 1-1/4 inches BSP
- Standard : IS: 10592:1982 




6250 GI

- Safety Shower and eyewash operates independently by pull rod, hand push lever and foot lever
- Shower : Extra large drench shower head made of highly visible yellow ABS plastics
- Pipe : ISI marked GI pipe with powder coating for anti-corrosion
- Valve : SS stay open ball valve with yellow ABS push plate
- Bowl : Receptor bowl made of ABS and highly resistant to acid, alkali and oil among others.
- Automiser heads : Twin soft flow automiser head which has aerators to control the stream straightness and diameter, thus reducing splash by aerating the stream. It also controls to save water and reduce energy costs. The twin flow has cover which protects from dust and opens with water pressure
- Activation : For shower - Pull rod; For eyewash – Push plate/ Foot paddle
- Water inlet and drain : 1-1/4 inches BSP
- Standard : IS: 10592:1982 




6250 SS

- Safety Shower and eyewash operates independently by pull rod, hand push lever and foot lever
- Shower : Extra large drench shower head made of stainless steel
- Pipe : SS 304 pipe
- Valve : SS stay open ball valve with push plate
- Bowl : Receptor bowl made of SS and highly resistant to acid, alkali and oil among others.
- Automiser heads : Twin soft flow automiser head which has aerators to control the stream straightness and diameter, thus reducing splash by aerating the stream. It also controls to save water and reduce energy costs. The twin flow has cover which protects from dust and opens with water pressure
- Activation : For shower - Pull rod; For eyewash – Push plate/ Foot paddle
- Water inlet and drain : 1-1/4 inches BSP
- Standard : IS: 10592:1982 




6810 GI


- Drench shower operates independently by pull rod
- Shower : Extra large drench shower head made of highly visible yellow ABS plastics
- Pipe : ISI marked GI pipe with powder coating for anti-corrosion
- Valve : SS stay open ball valve with yellow ABS push plate
- Activation : For shower - Pull rod
- Water inlet and drain : 1-1/4 inches BSP
- Standard : IS: 10592:1982 



4220 GI


- Emergency eye/face wash fountain operates independently by push lever
- Pipe : ISI marked GI pipe with powder coating for anti-corrosion
- Valve : SS stay open ball valve with yellow ABS push plate
- Bowl : Receptor bowl made of ABS and highly resistant to acid, alkali and oil among others.
- Automiser heads : Twin soft flow automiser head which has aerators to control the stream straightness and diameter, thus reducing splash by aerating the stream. It also controls to save water and reduce energy costs. The twin flow has cover which protects from dust and opens with water pressure.
- Activation : Push plate
- Water inlet and drain : 1/2 inches BSP inlet and 1¼ inches BSP drain
- Standard : IS: 10592:1982 

4710 GI

- Emergency eye/face wash fountain operates independently by push lever and foot paddle
- Pipe : ISI marked GI pipe with powder coating for anti-corrosion
- Valve : SS stay open ball valve with yellow ABS push plate
- Bowl : Receptor bowl made of ABS and highly resistant to acid, alkali and oil among others.
- Automiser heads : Twin soft flow automiser head which has aerators to control the stream straightness and diameter, thus reducing splash by aerating the stream. It also controls to save water and reduce energy costs. The twin flow has cover which protects from dust and opens with water pressure.
- Activation : Push plate and foot paddle
- Water inlet and drain : 1/2 inches BSP inlet and 1¼ inches BSP drain
- Standard : IS: 10592:1982 




4710 SS

- Emergency eye/face wash fountain operates independently by push lever
- Pipe : SS 304 pipe
- Valve : SS stay open ball valve with push plate
- Bowl : Receptor bowl made of SS and highly resistant to acid, alkali and oil among others.
- Automiser heads : Twin soft flow automiser head which has aerators to control the stream straightness and diameter, thus reducing splash by aerating the stream. It also controls to save water and reduce energy costs. The twin flow has cover which protects from dust and opens with water pressure
- Activation : Push plate and foot paddle
- Water inlet and drain : 1/2 inches BSP inlet and 1¼ inches BSP drain
- Standard : IS: 10592:1982 



4810 GI

Wall Mounted Eye/Face Wash

- Valve : SS stay open ball valve with yellow ABS push plate
- Bowl : Receptor bowl made of ABS and highly resistant to acid, alkali and oil among others.
- Automiser heads : Twin soft flow automiser head which has aerators to control the stream straightness and diameter, thus reducing splash by aerating the stream. It also controls to save water and reduce energy costs. The twin flow has cover which protects from dust and opens with water pressure.
- Activation : Push plate
- Water inlet and drain : 1/2 inches BSP inlet and 1¼ inches BSP drain
- Standard : IS: 10592:1982 

IS : 10592	PRESSURE	FLOW
EYE/FACE WASH	2 kgf/cm ²	10 LPM
SHOWER UNITS	2.81 kgf/cm ²	110 LPM
COMBINATION UNITS	2.81 kgf/cm ²	110 LPM
MULTIPLE NOZZLE DECONTINATION UNITS	2.81 kgf/cm ²	110 LPM

7901 EYE WASH FILTER



7902 SHOWER HEAD



GI

SS

7903 EYE WASH BOWL



GI

SS

7904 EYE WASH ASSEMBLY



GI

SS

7905 HEAD COVER



GI

SS

PUSH PLATE



GI

SS

PULL ROD



GI

SS

EW-500 ML

- Emergency Eye Wash Bottle, quantity 500 ml
- Portable, lightweight and wall mountable
- The eye wash bottles are designed to be filled with clear water
- Soft and effective eye wash can be delivered in seconds even if the person is lying down



**Importance...**

- The first 10 to 15 seconds after exposure to a hazardous substance, especially a corrosive substance, are critical
- Minimise the effects of accidental exposure to chemicals
- Effectively extinguishes clothing fires or for flushing contaminants off clothing

Installation...

- Based on the properties of the chemicals and effect of hazards

Areas...

- Battery charging areas
- Laboratories
- Spraying operations
- High dust areas
- Dipping operations, and hazardous substances in and around the dispensing areas

REFLECTIVE JACKET



REFLECTIVE VEST

- Fabric : Mesh polyester or plain polyester
- Colour : Orange and green
- Reflective tape : High gloss white or yellow
Glass bead grey tape
3M Scotchlite
- Tape width : 1" or 2"
- Style : One side opening
- Design : Two Horizontal and two vertical reflective tape
One Horizontal and two vertical reflective tape



3 SIDE OPENING

- Fabric : 100% mesh polyester
- Colour : Orange and green
- Reflective tape : High gloss white or yellow
Glass bead grey tape
3M Scotchlite
- Tape width : 2"
- Style : Three side opening
- Design : One horizontal and two vertical reflective tape

CROSS BELT

- Fabric : Plain polyester
- Colour : Orange and green
- Reflective tape : High gloss white or yellow
Glass bead grey tape
3M Scotchlite
- Tape width : 1" or 2"
- Style : Two side opening
- Design : Back cross and front H-shaped



* Logo and design can be customised

ROAD SAFETY

MULTIPURPOSE CONE 750 MM

- Material : PVC
- Dimention :
 - Height - 750 mm
 - Base - 71 cm
 - Weight - 1.9 kg.
- Colour : Red with Sandfill & Hook on top
- Reflective : Silver colour with 6 inch



LINKED CONNECTING CHAIN

- Material : Polypropylene
- Colour : White, Red and Yellow
- Length : Available in running mtr.





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