



FIXEDLINE INDUSTRIAL

SOLUTION

(AN ISO 9001-2015 CERTIFIED COMPANY)



AUTHORIZED CHANNEL PARTNER:



Fixedline industrial solution is the Hyderabad based Supply Company. We're the team professionals who understand what customer needs is and trying to full fill those requirements in appropriate span of time with suitable price.

We believe in "Supply quality products in the best prices"

We are Authorized dealer for Black and Decker AND KARAM SAFETY PRODUCTS , Safety Nets, INSTRUMENTS, PNEUMATIC ITEMS, HYDRAULIC HOSE, SSBELLOW, HAND TOOLS, POWER TOOLS and LIFTING ITEMS.

Our Customers belongs from manufacture industries, ship store, oil & gas fields, traders, hotels, hospitals, janitorial cleaning service provider and constructions companies.

Products at a glance: We have a complete range of Fall Protection products (KARAM) HORIZONTAL AND VERTICAL LIFELINE SYSTEM We would like to have business relationship with you and work for your venture. One of our company representatives would like to personally meet you and discuss how we could help to you.

If you are interested, please don't hesitate to contact us and discuss for further steps

FIXEDLINE INDUSTRIAL SOLUTION

191 to 196 , 1st floor , Ganji Satyanarayana complex, Ranigunj, Hyderabad , (T.S) 500003

Phone: 9390027277 | Mobile: 7000226167

Mail: info@fixedlineind.com |

Safety Helmets is required in almost every Industry where there is a risk of being injured from falling objects or when working in areas of restricted head space. Safety Helmets comes with plethora of features that not only offer the protection intended, but also with the comfort and design that ensures usage for long working hours.

Safety Helmets is a testimony to a service that has constantly evolved to provide the finest in Head Protection to personnel working under



BLACK AND DECKER INDUSTRIAL SAFETY HELMET Comes with side slots for fitting face and hearing protection accessories.

- Comes with ventilated slots that can be opened/closed with the help of a shutter to prevent any rainwater seepage.
- Consists of ratchet type adjustment for extra comfort and a better grip.
- Has increased vertical clearance along with the crown- cooling vents for increased airflow which is ideal for hot working conditions.



KARAM offers Shelblast ...A Sturdy & Stylish Design for Excellent head protection. This high-quality product provides protection against impact, while giving special attention at the design that ensures maximum Visibility and wearer Comfort. KARAM also offers the Shelblast in a new “peak- less” Design which is ideal for Head Protection during climbing up or down a Tower/Ladder.

Conforms to EN 397:2012



BLACK AND DECKER THERMOTUFF – HEAT RESISTANT HELMET:

Ideal for use in high heat areas such as Smelter units, Boilers, Steel manufacturing and moulding and in cold temperature

- areas such as Pharmaceuticals, Cold storages, Cryogenic storage locations etc.
- Can sustain in +150°C to -20°C with flame resistant properties.
- Equipped with advanced protective peak for frontal bump protection.
- Comes with side slots for fitting face and hearing protection accessories.
- Has increased vertical clearance for better shock absorption.



KARAM introduces “ Shelmet” range of Helmets, specially designed to meet the demanding requirements of both safety & comfort in mind. All Shelmet are provided with Triple Corrugations on outer shell which gives increased impact resistant quality. Conforming to ISI & DGMS standards which can be used in the toughest of conditions to provide the highest level of safety.



BLACK AND DECKER CYCLING HELMET:

Light weight, stylish, ventilated, highly durable & sturdy.

- Comes in a bright orange shade for high visibility from a distance.
- Comes with a unique adjusting mechanism in the rear part of the helmet to get the ideal fit as per the circumference of the head.
- Equipped with easy adjustment features for a comfortable fit.
- Made up of light yet durable PC+EPS material.
- Conforms to **EN 1078:2012+A1:2012**.

The portfolio of **KARAM** Safety Footwear encompasses a wide range of products that are manufactured and certified to the highest standards of EN, IS, DGMS and suited to be worn in different situations.

KARAM FS01



Smart deluxe executive shoe for complete foot safety.

UPPER MATERIAL :Full grain leather

Quarter Lining– Netlon padded with form

Vamp Lining– Highly abrasion resistant fabric lining

Toe– Steel

Certified to– EN 20345:2011 IS 15298(Part- 02):2016 DGMS

KARAM FS02

UPPER MATERIAL :Full grain leather

Quarter Lining– Grey cambrelle lining

Vamp Lining– Highly abrasion resistant fabric lining

Toe– FIBER

Certified to– EN 20345:2011 IS 15298 (Part-02):2016 DGMS



KARAM FS05

Comes with excellent grip, comfort and slip resistance

Upper– Full grain leather

Vamp Lining– Black Cambrelle lining

Toe– Steel

Certified to– EN 20345:2011 IS 15298 (Part-02):2016 DGMS



KARAM FS21

This model is a smart lace up shoe providing complete protection to the ankle.

- Has bellow tongue which prevents spillage of water and liquids inside the Shoe.
- Metallic D-ring and flat laces for better knotting grip.
- Has attractive red stitching with bonded thread.
- Comes with excellent grip, comfort and slip resistance.



KARAM FS61

Smart deluxe executive shoe for complete foot safety.



- Metallic hexagonal eyelets.
- Round brown laces.
- Brown leather upper and beige lining.
- The breathable drylex lining, 3D fabric being used as a quarter lining in the Shoes prevents moisture and perspiration and provides high sweat absorption property for a dry feel. It is also highly resistant to abrasive



SAFETY FOOTWEAR

Slide into comfort in the lightweight and sporty Flytex Safety Footwear by **KARAM**. The range is equipped with all the significant features to ensure safety against extreme odds and to facilitate comfortable walk and work.



FS201



FS202



FS203



FS204



FS208



FS210



FS213



FS215

BLACK AND DECKER FOOT PROTECTION:

BND SAFETY FOOTWEAR (BXWB0101IN)

- Uniquely designed low ankle safety shoe with steel toe having single density PU sole.
- Upper: made from buff black grain leather; Quarter lining: orange spacer lining, 3D fabric; Vamp lining: highly abrasion resistant nonwoven fabric lining; In-sock: extra cushioned soft PU moulded in-sock for extra comfort and cleated outsole with wider cleats for better grip and self-cleaning effect.



BND SAFETY FOOTWEAR (BXWB0111IN)



- Uniquely designed low ankle safety shoe with steel toe having double density PU/PU sole.
- Upper: made from buff black grain leather; Quarter lining: orange spacer lining, 3D fabric; Vamp lining: highly abrasion resistant nonwoven fabric lining; In-sock: extra cushioned soft PU moulded in-sock for extra comfort and cleated outsole with wider cleats for higher grip and self-cleaning effect.
- Metallic D- Ring and flat laces for knotting grip, foam padding in bellow
- tongue to enhance fit & comfort with cushioned top line for extra comfort.

BND SAFETY FOOTWEAR (BXWB0131IN)

- Uniquely designed high ankle safety shoe with steel toe having single density PU sole.
- Upper: buff black nubuck grain leather; Quarter lining: orange spacer lining, 3D fabric; Vamp lining: highly abrasion resistant non-woven fabric lining; In-sock: extra cushioned soft PU moulded in-sock for extra comfort and cleated outsole with wider cleats for higher grip and self-cleaning effect.
- Equipped with textile loop and flat laces for knotting grip, foam padding in bellow tongue to enhance fit & comfort with cushioned top line for extra comfort.



BND SAFETY FOOTWEAR (BXWB0161IN)



- Uniquely designed high ankle safety shoe with fiber toe having double density PU/ nitrile rubber sole.
- Upper: made from buff black grain crazy horse leather and cordura black insert; Quarter lining: orange spacer lining, 3D fabric; Vamp lining: highly abrasion resistant non-woven fabric lining; In-sock: extra cushioned soft PU moulded in-sock for extra comfort and cleated outsole with wider cleats for higher grip and self-cleaning effect.
- Equipped with textile loop and flat laces for knotting grip, foam padding in bellow tongue to enhance fit & comfort with cushioned top line for extra comfort.

KARAM and **BLACK AND DECKER** brings to you the complete range of Safety spectacles that are a perfect combination of Comfort and Safety. KARAM safety spectacles are CE certified and conform to the standard laid down in EN 166:2002.



KARAM and **BLACK AND DECKER** offers a range of Ear Protection equipment that provide appropriate attenuation of noise in various Industrial settings.



EP 02 (Corded)



Earmuff High Db Foldable



Dispenser for Ear Plug 01

HAND PROTECTION:

Hands are indispensable if an individual wishes to lead a self-sufficient life. They are fragile and irreplaceable and require care and protection. It is extremely important to choose the right pair of gloves to combat the identified hazard and risk level.



Exclusive range of Gloves offered by **KARAM** and **BLACK AND DECKER** that provides protection to the hands against mechanical hazards, , like cut, abrasion, etc., protection of hands against chemicals. Pioneering in the Indian market with this extensive range

We offers a comprehensive range of Safety Harnesses to suit a vast range of applications and situations. Equipped with the finest ergonomics and technically sound features, KARAM Safety Harness is the best choice for comfortable and safe usage for work at height. KARAM also offers Work Positioning Body Belts which enables the worker to work at heights in a well-supported position, with both hands free.



KARAM Magna Harnesses:

KARAM All-purpose Magna range of Safety Harnesses offers high level of ergonomics. Equipped with Light Weight Aluminum D-rings, Quick Connect Automatic Buckles, D-Ring with "BEND" for easy accessibility to the user and tangle free design that facilitates maximum comfort at all times.



Black and Decker Harness

:Made of high tenacity polyester for increased breaking strength greater than 5000 lbs (23kN) . For comfortable working at height and doing work positioning in a well supported position.



KARAM E-com series:

- Attachment Elements – 2 Chest attachment D- Rings for Tower Climbing. A Dorsal Attachment D-Ring for Fall Arrest
- Adaptability – Adjustable chest, shoulder, thigh-straps.
- Ergonomics – Ideally positioned sit-strap for extended comfort.
- Compliance – Conforms to IS 3521:1999



Karam Full Body Harness with Restraint Twisted Rope Double Lanyard, KI01(PN206D) are manufactured by using quality assured material and advanced techniques, which make them up to the standard in this highly challenging field. The materials utilized to manufacture Karam Full Body Harness with Restraint Twisted Rope Double Lanyard, KI01(PN206D), are sourced from the most reliable and official vendors, chosen after performing detailed market surveys.

Lanyard is described as a connecting element of a system. The Fall Arrest Lanyards incorporate a shock absorbing element which can limit the force felt on the body of the worker to less than 6kN



BLACK AND DECKER TWIN LEG SHOCK ABSORBING LANYARD

- >Comes with external shock pack which limits the force felt on the body of the user to less than 1800 lbs.(8kN).
- >Material: 1.18 inches(30mm) polyester webbing; length of the lanyard: 6 ft(1.80m).
- >Tensile strength of webbing: 6000 lbs.(26.5kN).
- >Attachment end: forged aluminium snap hook.
- >Anchorage ends: 2 forged aluminium rebar hooks.
- >meets ANSI Z 359.13-2013 & OSHA standards.



BLACK AND DECKER WORK POSITIONING LANYARD

- >Material: 1.18 inches(30mm) polyester webbing reinforced with 1.60 inches(40mm). Polyester tubular webbing; length of the lanyard: 6ft (1.80m).
- >Adjuster ring provides adjustment from 4ft (1.20m) to 6 ft(1.80m).
- >Highly resistant to abrasion.
- >Tensile strength of webbing: 7000 lbs.(31kN).
- >Attachment ends forged aluminium snap hooks.
- >Meets ANSI Z 359.3-2017 & OSHA standards.



BLACK AND DECKER TOOLS LANYARD DOUBLE LEG

- >BLACK + DECKER tools lanyard can be connected to the belt of the Harness at one end and has a loop at the other end to hold a tool of weight of up to 22 lbs.(10kgs).
- >Convenient "Y" Leg stretch-lanyard for tool holding, that allows the user to attach and carry 2 tools while working at height and is provided with a light-weight karabiner for attachment to the user's belt.
- >Relaxed length 2.79 ft.(85cm); expanded length: 4.43 ft (135cm).
- >Made of 0.78 inches(20mm) wide webbing



KARAM Forked Lanyard with Energy Absorber:

- >Width & Made of – 12mm Twisted Polyamide Rope.
- >Length – Relaxed Length 1.5m, 1.8m & Expanded length 2.0m.
- >Attachments – PN 112 with Energy Absorber PN 300 at one end and two Steel Scaffold Hook PN 131N at other ends
- >Conforms to – EN 355 : 2002 + VG11/PFE 63 Sheet (additional Static Strength Test)



KARAM Work Positioning Lanyard with Ring type Adjuster:

- >Made of 14mm dia polyamide 3-strand Twisted Rope
- >Has a convenient Rope-grab adjuster for easy length adjustment
- >Maximum length of 2.0mtr.
- >Easy to connect Steel Karabiners PN 112 at both the free ends for attachment
- >Conforms to EN 358:1999
- >Optional: Also available with 30cm long protective sleeve



KARAM Energy Absorbing Forked Webbing Lanyard:

- >Made of 44mm wide polyester webbing.
- >Length 1.5 m, 1.8 m, 2.0 m.
- >PN 112 with Energy Absorber PN 300 at one end and two Steel Scaffold Hook PN 131 at other ends.
- >Conforms to EN 355:2002 + VG11/PFE 63 (Additional Static Strength Test)

KARAM and **Black And Decker** Visors are specifically designed to help protect the wearer's eyes from impacts from the front and side, whereas Welding Shields provide protection against harmful radiation including visible light, UV/IR radiation resulting from

welding processes



Polycarbonate Visor: ES51

Optical class 1 visor for clear and undistorted vision.

- Can be mounted onto KARAM safety Helmets (Shelmet, Sheltek, Shelblast and Sheltor).
- Has a removable visor for easy replacement.

Material

High impact resistant polycarbonate for increased protection.

Certified to

- EN 175:1997,
- EN 166:2001

Helmet Mountable Welding Shield: ES71

Equipped with a flip front window that the user can choose to open when not performing an operation.

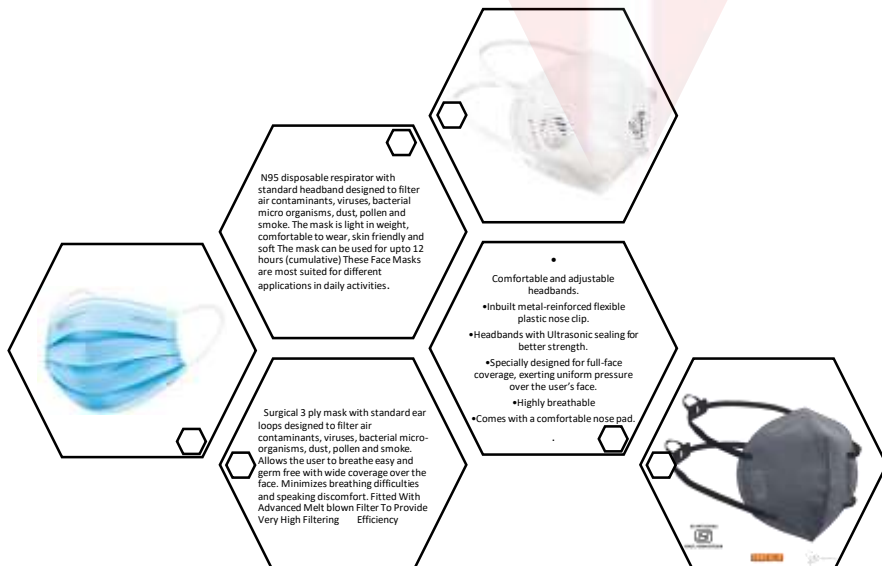
- Has adapter clamps for Helmet mounting and adjustment knobs for easy and perfect fitment.
- When fitted, it will protect the wearer's face due to the special wrap-around design and fits most standard safety Helmets which have a 30.0mm accessory attachment slot.

FULL FACE WELDING HELMET (BXWP0821IN)

"Equipped with a flip front window that the user can choose to open when not performing an operation.

- Size of window: 3.93 inches (100mm) x 2.95 inches(75mm)."
- The protective lens is made of a clear high impact resistant polycarbonate for increased protection.
- Has removable lens which is tested against EN 175 & EN 169.
- Operating range -50 C to +800 C and tested for electrical insulation.
- Consists of polypropylene impact resistant shell that can be adjusted to a suitable height for better fitment.

RESPIRATORY PROTECTION



KARAM Mask is 100% RECYCLABLE

As a committed 200+ brands sustainability & environment protection, KARAM Select Series of Disposable Masks are 100% recyclable.

PROTECTIVE WORKWEAR:

KARAM and **BLACK AND DECKER** is proud to introduce a wide array of Performance Work Wear Suits, which are highly popular and ideally suited for doing any construction work or any other industrial work. Our coveralls & protective wear have distinctive features of high durability, high tensile strength, good tear strength, colour fastness, pilling resistance, skin friendly, shrinkage control, soft feel, comfort wear and perfect fit

CATEGORY: Industrial Workwear:

CE category 1 garment used for low level hazards at workplace. The cuff is specially designed with snap buttons for ease of wearability for user. "The fabric is highly durable and is tested for high abrasion resistance, high colour fastness and high resistance to dimensional change."



***PROTECTIVE JACKET- BXWW0403IN:**
 *Exclusively designed jacket with a different style made with 100% cotton of 240 GSM "The fabric is highly durable and is tested for high abrasion resistance, high colour fastness and high resistance to dimensional change."

PROTECTIVE JACKET- BXWW0402IN:
 Comes with high quality contrast coloured orange zip for visibility.
 •The cuff, is specially designed with snap buttons for ease of wearability for user



PROTECTIVE TROUSER: Comes with special knee reinforcements for rugged use.
 •Has an elasticized half waist for better fit for the user.
 •2 back pockets, 2 cargo pockets & 2 side tool pockets for enhanced user experience while at work



KARAM Protective Workwear:Description

Ideal for use in general working conditions. Consists of contrast color lining for an added look good factor to the Workwear for senior executives in the company. The usage of 500 cd/lux reflective tape which does not degrade on every wash cycle is an added advantage. Designed for an excellent fit and comfort of wear for longer durations, the Premium range of Workwear has been manufactured to the highest level of garment manufacturing standards with 5 thread overlock and stress points are bar tacked reinforced for increased tear strength. The coverall fabric conforms to the highest level of color fastness, seam slippage and tensile strength in its category.

•BLACK AND DECKER WORKWEAR:

- Smart and stylish orange coverall made with 100% cotton of 240 GSM. Specialized knee reinforcement for rugged applications.
- 2 pockets each on the chest, back and front area for user convenience.
- Has an elasticized half waist for better fit for the user.

KARAM Protective Workwear (INHERENT FLAME-RESISTANT COVERALL):

- Material: Made of Inherent FR Fabric (93% Meta Aramid, 5% Para-Aramid, 2% Anti-Static)
- Highest quality two-way FR heavy brass zipper with flap.
 - Elasticized waist for better fit, flexibility, and comfort.
 - All stress points are bar-tack reinforced.
 - Three stitches overlapped seams.
 - Comes with reflective tapes for high visibility and safe working
 - Certified to EN ISO 13688:2013, EN ISO 11612:2015- Ratings: A1, A2, B1, C1, F1 and EN 1149-5:2018, IEC 61482-2:2018- Rating: (4 kA) APC=1

Retractable Fall Arrester Blocks & Load Arresters

One of the biggest challenges in fall protection is when the anchorage is too high to access and the clearance distance is too small.

BLACK AND DECKER and **KARAM** Retractable Fall Arrester Blocks provide an ideal solution for such a problem.

KARAM provides a vast range of Cable Load Arresters with different load capacities which are used to stop the fall of a load (basketball hoop, ramp lighting for scenic, industrial machine etc.) for a short distance in case of a break of chain or cable for hoisting the load & a failure of the retaining elements of the load



Retractable Block Polymer Casing with G.I. Wire Rope (**KARAM**)

- Casing made up of high impact strength Polymer, to prevent breakage and is nearly indestructible.
- Comes in Galvanized Steel Wire Rope of dia 4.5mm.
- Has PN 162 Hook with Load Indicator at attachment end.
- Anchorage Eye with swivel action. Prevents undue twist of rope while working or in the event of a Fall.
- Minimum Breaking Strength is 12kN.
- **Length of Webbing** : 6MTR, 7.5MTR, 10MTR, 15MTR AND 20MTR, 30MTR



SELF RETRACTABLE LIFELINE(50FT) (**BLACK AND DECKER**)

- Length of wire rope: 6FT, 20FT, 30FT, 50FT.
- Consists of side handle with special grip for easy carriage & safe transportation.
- Casing made of high impact strength polymer to prevent breakage; comes in galvanized steel wire rope of dia 3/16 inches(4.8 mm).
- Has swivel anchorage eye at the end to ensure easy anchorage; hook with load indicator at termination end.
- Minimum breaking strength: 3000 lbs.(13.34kN).
- Weight: 11.76 lbs. (5.64 kgs)



Retrieval Retractable Block (**KARAM**)

- The locking pin on the side of the casing at the base of the handle allows this dual system to work in independent Fall Arrest & Winch modes.
- Can be easily mounted on the leg of KARAM Tripod PN800 using specialized brackets
- Minimum Breaking Strength > 12kN
- The Dual mode- helps easily movement of user while working in confined spaces
- Retractable mode- enables easy mount of user in Confined Space. Also provides Fall Protection
- Winch mode- enables easy retrieval
- Comes with PN 162 Snap Hook with Impact Indicator



Load Arrester (**KARAM**)

- Load arrester design to stop the fall of a weight max 500 kg.
- Casing made up of high impact strength Polymer, to prevent breakage and is nearly indestructible.
- Galvanized Steel Wire Rope dia 6.0mm
- Minimum breaking strength of Load Arrester Assembly > 7kN
- Minimum breaking strength of wire rope > 25kN



Load Arrester (**KARAM**)

- Load Arrester is designed to stop the fall of a weight max 1000 kg.
- Casing made up of high impact strength Polymer, to prevent breakage and is nearly indestructible.
- Stainless Steel wire rope of dia 8.0mm
- Minimum breaking strength of Load Arrester Assembly > 13kN



FIXEDLINE INDUSTRIAL SOLUTIONS



Mob: - 9390027207, 7000226167.

Mail: info@fixedlineind.com

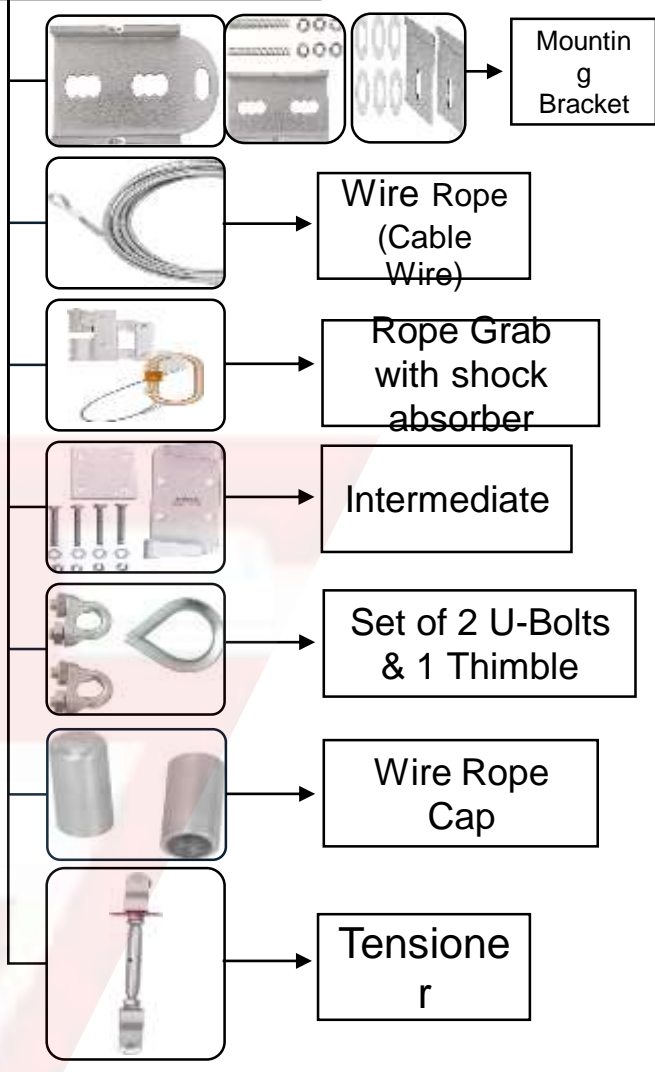
Products at a glance: We have a complete range of Fall Protection products (KARAM) , FIXEDLINE SYSTEMS (Horizontal and Vertical Lifeline System), Material Handling system and Confined space entry.

Fixedline system and Fall protection





SPECIFICS



Certified to EN 353-1:2014+A1:2017 this vertical Fall Arrest system is an integrated solution to arrest the fall of a user who has to constantly climb up & down a ladder. The Unique Feature of this system is a permanent installed Stainless Steel Shock Absorber at the top of the line which offers distinct advantage over the textile absorber used in other lines in term of UV degradation and resistance to harsh climate Conditions. Also the Shock Absorber is constructed of unique design that helps in easy installation of the system.

The Vertical Anchorage Line is made of Stainless Steel wire rope & is maintained in the rigid position by the use of 2 mounting brackets-one at the top & one at the bottom. The Stainless-steel Rope Grab is directly connected to the user without any additional lanyard. To maintain the rigidity & high tension in the anchorage line, a screw type mechanical tensioner is provided at the end of the anchorage line at the bottom, connecting it to the lower mounting bracket. The Tensioner is provided with a unique tension indicator which helps ensure appropriate tension is attained, and maintained in the line. The system also has an Inspection Name Plate which is installed on the first rung of the ladder for identification, traceability and maintenance of inspection records.

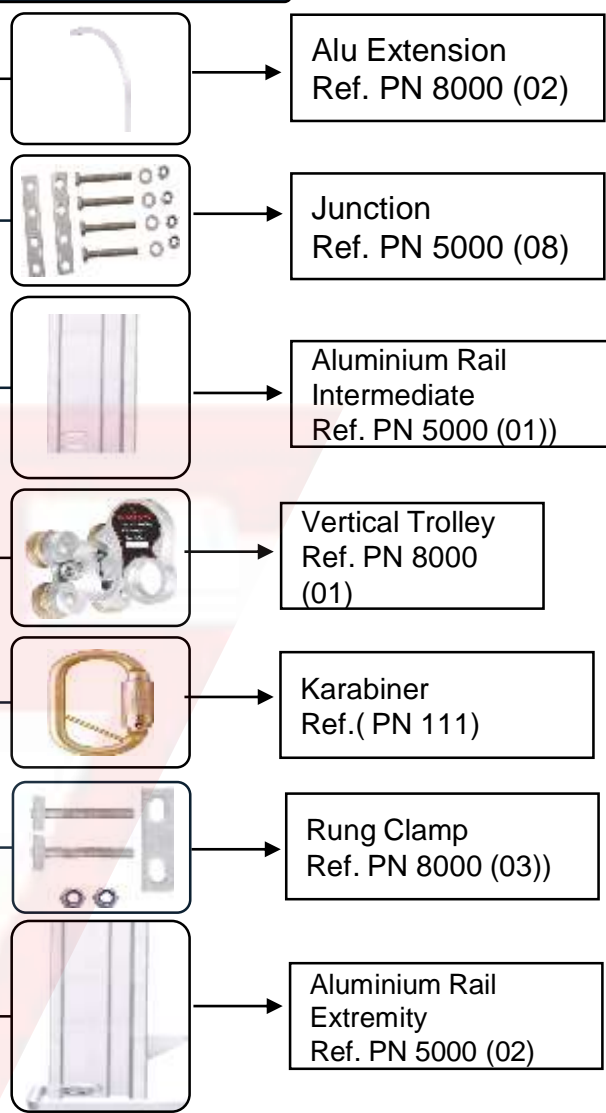
Extremity Plates for Two Ladder Rungs
Extremity plate used to install a vertical anchor line made of SS wire Rope installed on a ladder with U-bolts & NY lock nuts. Fixing on two rungs provides better structural strength to the system.

VERTICAL STORAGE LINE SYSTEM ON RIGID ALUMINIUM RAIL

VERTEX PN 8000 :



SPECIFICS



This Vertical fall Arrest Anchorage system (Certified to EN 353-1:2014+A1:2017) is an integrated Fall Arrest solution made of a Vertical Aluminium Alloy Guide Rail over which glides a Guided-Type Fall Arrest Trolley.

The line is constructed by attaching the Aluminium rail Intermediates of length 3 mtrs. in series using a Junction to connect them to each other, and Rung Clamps to affix them to the ladder rungs. The trolley moves up and down on the line accompanying the user who is connected to it with an Auto-locking Steel Karabiner.

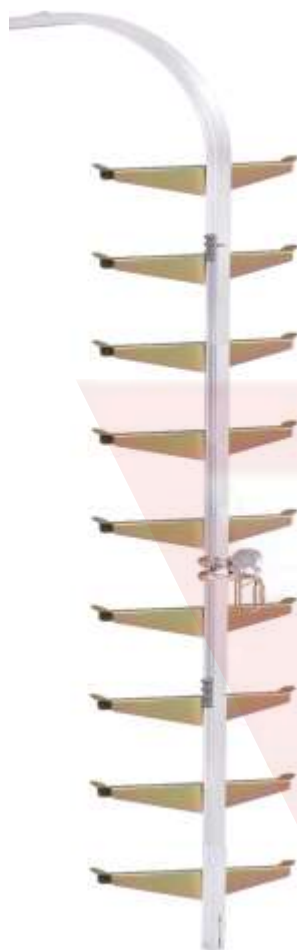
In the event of a fall, the trolley which is inbuilt with Shock Absorption feature, immediately locks over the Rail, thus arresting the fall. Also, while not in use, the Uni-directional locking system of the Trolley prevents it from sliding down on its own.

The Rail comes with an Extension Arm that curves at the Ladder-end over the working platform. This allows the climbers to be connected with the trolley even at the Ladder termination, ensuring complete safety. The bottom most section is the Aluminium Rail Extremity which is equipped at the end with a lock that prevents the trolley from moving out of the rail.

The system also has an Inspection Name Plate which is installed on the first rung of the ladder for identification, traceability and maintenance of inspection records. One stainless steel cable ties are used to fasten the System Name Plate to the structure. At time of installation, the relevant details are punched on the plate by a number punch. The revalidation dates are punched each year on the plates after inspection and revalidation.

This system can be used on telecommunication towers, radio and TV masts, power supply and hydroelectric installations, wind power facilities, construction, chimney and industrial plants, buildings and facades, crane installations, shafts and manholes, aircraft hangars and for loading/ unloading of trains and vehicles, petrochemical plants, on-shore and off-shore oil rigs, and ship-building.

Vertex PN9000 :



SPECIFICS



Alu Extension
Ref. PN 8000 (02)



Stainless Steel
Ceiling Mounting Bracket
Ref. PN 5000 (06)



Aluminum Rail
Intermediate with
Rung
Ref. PN 9000 (03))



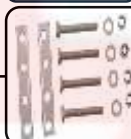
Stainless Steel Mounting
Nut
Ref. PN 5000 (03)



Vertical Trolley
Ref. PN 8000
(01)



Karabiner
Ref.(PN 111)



Junction
Ref. PN 5000
(08)



Ladder Rung
Assembly
Ref. PN 9000 (01)



Aluminium Rail
Extremity with Rung
Ref. PN 9000 (02)

This is a complete Fall protection Ladder System which consists of Hot dipped galvanized Steel Ladder Rungs over which is fixed the Vertical Anchorage Rail made of Aluminium Alloy. This system is an ideal choice for use where there are no pre-fabricated ladders or climbing structures available for climbing and can be fitted over various structures using different types of fasteners.

The system Certified to EN 353-1:2014+A1:2017

The Rungs of the Ladder, made of Galvanized Steel, are fitted at a suitable distance from the underlying structure/profile to allow enough foot space. The rungs also have a grooved surface that allows a slip-free grip while climbing.

The Aluminium Anchorage Rail fitted on to the center of the Rungs of the ladder is smooth and allows the Guided type Fall-Arrest Trolley to glide effortlessly over its length. This trolley moves up and down accompanying the user who is connected to it with the help of an Auto-locking Karabiner.

The Trolley is made of Stainless Steel and has wheels made of Brass, making the system highly corrosion resistant and extremely smooth in working.

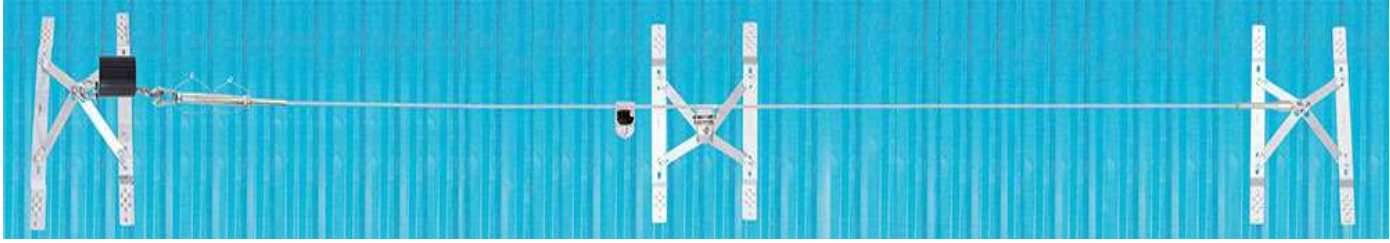
In the event of a fall, the trolley immediately locks over the Rail, thus arresting the fall. Also, while not in use, the Unidirectional locking system of the Trolley does not allow it to fall freely down the Rail. The system comes with an Extension Arm that curves at the Ladder-end over the working platform. This allows the climbers to be connected with the trolley even at the Ladder termination, ensuring complete safety.

The bottom most section is the Aluminium Rail Extremity which is equipped at the end with a lock that prevents the trolley from moving out of the rail.

The system also has an Inspection Name Plate which is installed on the first rung of the ladder for identification, traceability and maintenance of inspection records.

Horizontal Anchorage Lifeline System on Rigid Cable Line

HORIZON PN 4000 (Roof Mounted) :



Carriage body
Ref. PN 4000 (08)



Shock Absorber
Ref. PN 4000MU (02)



Inspection Plate
Ref. PN 4000 (20)



Swaged Tensioner
Ref. PN 4000 (03)



Swaged Cable Extremity
Ref. PN 4000 (15)



Intermediate
Ref. PN 4000 (10)



Wire Rope (Cable Wire)
Ref. PN 9XXXS (Where XXX is the
Length of the wire rope in
meters)



Roof top anchor post
extremity
Ref. SA07 A

Conforms to EN 795:2012 Type C and TS 16415:2013, Horizon PN 4000 provides permanent anchorage to a user who has to constantly move along an elevated horizontal track. It comprises of a Stainless Steel Wire Rope (grade 316) of 8mm diameter running all along the horizontal track, and is installed at the ends using special End Extremity Posts. The Intermediate brackets hold the wire in position all along the length of the wire, and are installed at intervals of Maximum 15mtrs. The Wire Rope is maintained in tension with the help of Tensioner at one end, while the other end has a swageless termination on to the Eye of the End Extremity Post.

The Stainless Steel Carriage Body connects the user to the line with the help of a Lanyard and moves smoothly without interruption along the entire length of the Horizontal line and also through the Intermediate Brackets, thus ensuring 100% anchorage of the user at all times.

The line also has a Shock Absorber at one end which reduces the impact of fall both on the user as well as on the extremities.

The system also has an Inspection Name Plate for identification, traceability and maintenance of inspection records. One Stainless Steel Cable tie is used to fasten the System Name Plate to the structure. At time of installation, the relevant details are punched on the plate by a number punch. The revalidation dates are punched each year on the plates after inspection and revalidation.

The System is versatile and can be installed on Walls, Floors, Ceilings as well as on Pre-engineered Building Roofs, Fragile Roofs, Airports using the same components by using appropriate posts to install the system to the client's receiving structure.

HORIZON PN 4000 (Floor/Ceiling Mounted) -



Universal Extremity Plate
Ref. PN 4000 (09)



Wire Rope (Cable Wire)
Ref. PN 9XXXS



Carriage body
Ref. PN 4000 (08)



Swaged Cable Extremity
Ref. PN 4000 (15)



Shock Absorber
Ref. PN 4000MU (02)



Swaged Tensioner
Ref. PN 4000 (03)



Intermediate
Ref. PN 4000 (10)



Inspection Plate
Ref. PN 4000 (20)

Horizon PN 4000 provides permanent anchorage to max. 4 users simultaneously, who has to constantly move along an elevated horizontal track. It comprises of a Stainless Steel Wire Rope grade 316 of 8 mm diameter running all along the horizontal track. It is installed at the ends using special Universal Extremity Plates. The Intermediate brackets hold the wire in position all along the length of the wire, and are installed at intervals of 10mtrs. to 15 mtrs. The line is maintained in tension with the help of Tensioner at one end, while the other end has a swage less termination on to the Universal Extremity plate.

The Stainless Steel Carriage Body connects the user to the line with the help of a lanyard/ retractable block, and moves smoothly without interruption along the entire length of the Horizontal line and also through the Intermediate Brackets, ensuring 100% anchorage of the user at all times.

The system also has an Inspection Name Plate for identification, traceability and maintenance of inspection records. One Stainless Steel Cable Tie are used to fasten the System Name Plate to the structure. At time of installation, the relevant details are punched on the plate by a number punch. The revalidation dates are punched each year on the plates after inspection and revalidation.

The System is versatile and can be installed on Walls, Floors, Ceilings, as well as on Roof Tops, using the same components by just altering the orientation of the Intermediate Brackets & selection of suitable anchor point. Horizon PN 4000 has the unique distinction of being certified by Sira for ATEX to comply with use in potentially explosive atmosphere (as per Potentially Explosive Atmospheres Directive 2014/34/EU), and conforms to Norms EN ISO 80079-36:2016, and EN ISO 80079-37:2016. The system is certified to be intrinsically safe, hence is an ideal choice for use in Industries like Petroleum/ Petro-Chemical Plants without fear of causing explosion due to any sparking. The system can also be used in Truck Loading / unloading, Advertisement Bill Boards, Industrial Cranes, Oversized machines, Reactors, Turbines etc.

The System Conforms to EN 795:2012 Type C and TS 16415:2013 (for upto 2 users) & Atex approved & for use in potentially explosive areas.

Confined Space Entry



Hexapod
(Ref. SA 43)



Davit Arm(Come A Long)
(Ref. DA 01)



K-Pod
(Ref. PN 900)



Winch
(Ref. PN 801(DP))



Tripod
(Ref : PN 800)

SAFETY NET PRODUCT RANGE:

Workplace falls are one of the most common causes of injury and even death in the construction industry. A readily available and easily installed fall arrest system is the one simple solution to creating a safer workplace for your employees.

Safety netting, in combination with an effective edge protection system, can deliver a fast, safe and economic height-safety solution by providing a complete safety 'envelope' around site workers.

2.5MM BRAIDED NET (SINGLE LAYER – 30MM MESH)



- BORDER & TIE CORD ROPE: 12MM
- 2.5MM BRAIDED (TWINE)
- MESH SIZE : 30MM X 30MM SQUARE.
- STANDERED SIZE: 5X10 MTR / 10X3 MTR.

2.5MM BRAIDED SAFETY NET (DOUBLE LAYER – 30MM MESH)



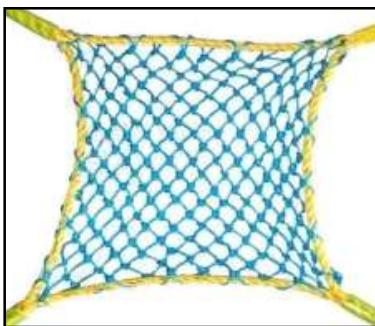
- BORDER & TIE CORD ROPE: 12MM
- 2.5MM HDPE (TWINE)
- SECOND LAYER: MONOFILAMENT UV STABILIZED NET WITH WELDING / GRINDING SPLATTER RESISTANT.
- MESH SIZE : 30MM X 30MM SQUARE.
- STANDERED SIZE: 5X10 MTR / 10X3 MTR

Fish Net Mesh 100mm Border



- BORDER & TIE CORD ROPE: 12MM
- MESH ROPE: 4MM
- 2.5MM HDPE (TWINE)
- SECOND LAYER: OVERLAY CONTAINMENT NET OF HDPE UV STABILIZED BLUE NET..
- MESH SIZE : 30MM X 30MM SQUARE.
- STANDERED SIZE : 5X10 MTR / 10X3 MTR
- MESH SIZE AVAILABLE: 100MM AND 20MM.

DC Mesh 30mm Border



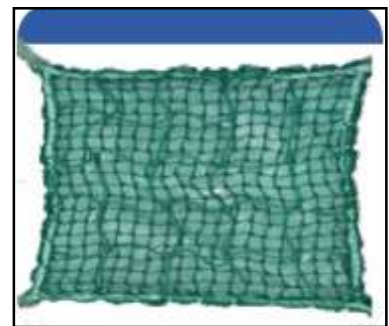
- WARP FABRIC BORDER & TIE CORD ROPE: 12MM
- INSIDE/ MESH ROPE: 2MM HDPE TWINE
- FABRICATION: DIAMOND TYPE KNOTTED
- MESH SIZE : 30MM DC
- STANDERED SIZE: 5X10 MTR

4MM Knotted+Mono Net



- BORDER & TIE CORD ROPE: 12MM
- INSIDE MESH ROPE: 4MM
- SECOND LAYER : MONOFILAMENT UV STABILIZED NET.
- MESH SIZE : 100MM X 100MM SQUARE.
- STANDERED SIZE: 5X10 MTR / 10X3 MTR.

5MM BRAIDED TRIPLE SAFETY NET



- BORDER & TIE CORD ROPE: 12MM
- INSIDE MESH ROPE: 5MM BRAIDED TWINE.
- SECOND LAYER: 2.5MM BRAIDED MESH 25MM X 23MM.
- THIRD LAYER : MONOFILAMENT UV STABILIZED NET.
- MESH SIZE : 100MM X 100MM SQUARE.
- STANDERED SIZE: 5X10 MTR / 10X3 MTR

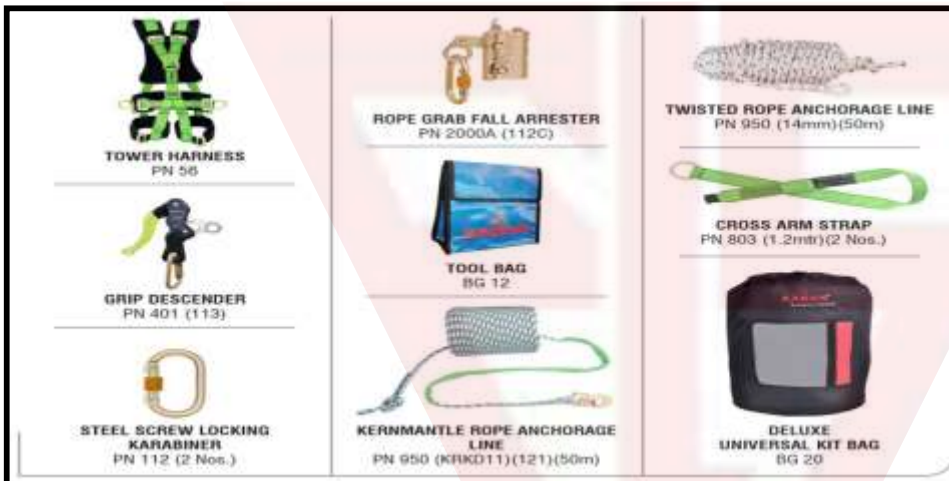
FALL PROTECTION SYSTEMS



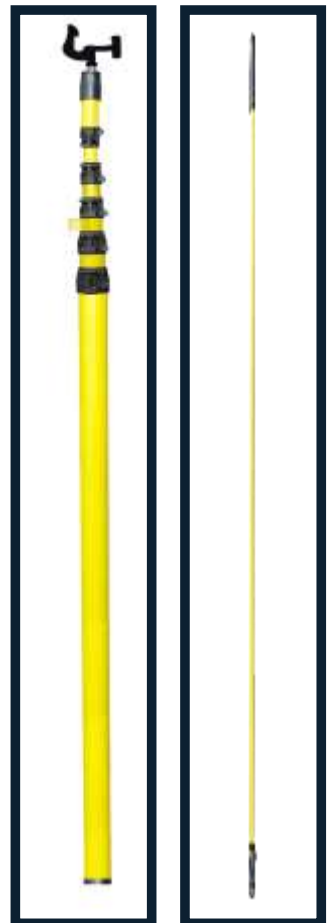
HORIZONTAL TEMPORARY LINES



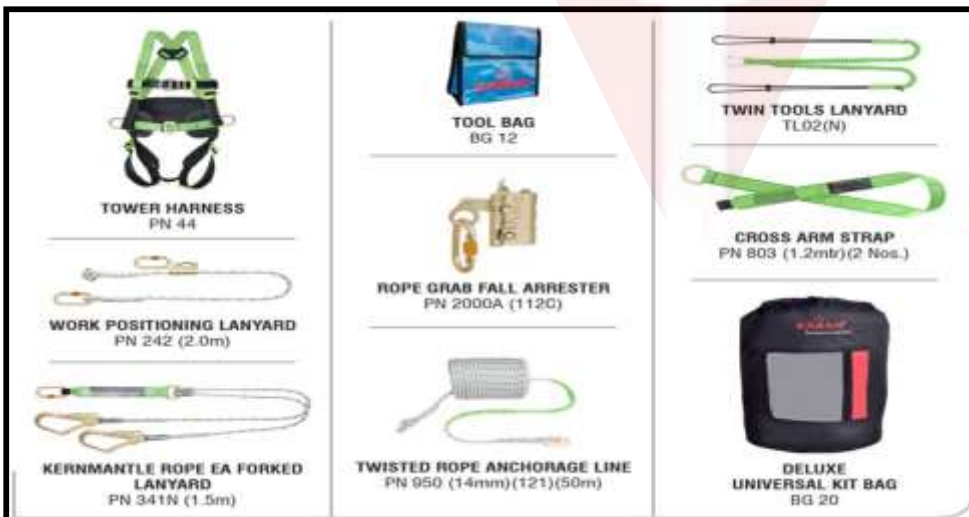
VERTICAL TEMPORARY LINES



MAINTENANCE AND WINDOW CLEANING KIT



Telescopic Pole



TOWER KIT