



# FIREBREAK SA

SAFETY APPLIANCES PTY LTD

Firebreak SA, a BBBEE Company was founded in 1996 to provide quality products and great service which exceed the customers expectations. Our expert sales staff have a combined 100 years of experience within the Fire and Safety Industry. Firebreak is in business to provide a total package of Safety and Fire solutions.

## WHAT WE OFFER



Chemical Suits



Specialist Gloves



Alcohol Breathalysers



Gas Detection



Fall Protection



Respiratory Protection



Fire Extinguishers, Maintenance and Servicing



First Aid



Fireman's Gear and Firefighting Equipment

## SALES SUPPORT AND SERVICES

### AFTER SALES SUPPORT

- Sales support
- Product training
- Service and repair

### TECHNICAL TRAINING

- Product usage, maintenance and care
- User competency and compliance

### SITE VISITS AND ASSESMENTS

- Evacuation and rescue
- Fire risk evaluation
- PPE assessments and specification

## OUR CONTACT DETAILS

### FIREBREAK SA

14 COMBRINCK STREET, ALRODE, ALBERTON 1451

TEL NO: +27 11 908 6960 | E MAIL: [ENQUIRIES@FIREBREAKSA.CO.ZA](mailto:ENQUIRIES@FIREBREAKSA.CO.ZA)

WEBSITE : [WWW.FIREBREAKSA.CO.ZA](http://WWW.FIREBREAKSA.CO.ZA)



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'SINCE 1996'

## EVERYTHING YOU NEED TO SUIT UP

Taking on the toughest jobs requires an even tougher person, some jobs are reserved for the brave, the fearless, and the heroic. And to those dedicated to pushing the limits, DuPont™ is dedicated to keeping you protected - every step of the way.

### THE PROTECTION EVERY HERO DESERVES



#### DuPont™ Tyvek® 500 Xpert

Setting a new standard of protection in the Type 5 and 6 category through greater protection and comfort. Protects against high liquid and particulates. Application include those found in pharmaceutical handling, chemical processing, the oil and gas industry, mining, general maintenance and operation, automatic spray painting and many other.

Category III, Type 5-B & 6-B) EN 1073-2 certified



#### DuPont™ Tychem® 2000 C

Comfortable, lightweight protection against biohazards and numerous inorganic chemicals. Used for splash or pressurised splash protection in variety of industrial environments, including pulp and paper manufacturing, food processing, chemical processing and pharmaceutical manufacturing.

Category III, Type 3-B, 4-B, 5-B and 6-B  
EN 14126, EN 1073-2.

Antistatic treatment (EN 1149-5) - on inside



#### DuPont™ Tychem® 4000 S

A new comfortable alternative against a broad range of inorganic and organic chemicals. Ideal for chemical handling, environmental clean-up operations and emergency response. Used in oil and gas, chemical engineering and hazardous material response teams and other emergency services.

Category III, Type 3-B, 4-B, 5-B and 6-B  
EN 14126, EN 1073-2.

Antistatic treatment (EN 1149-5) - on inside



#### DuPont™ Tychem® 6000 F Grey

Trusted protection against a broad range of chemical and biohazards. Protection against numerous toxic industrial organic chemicals, highly concentrated inorganic chemicals and biohazards, used for a broad range of applications from chemical spill clean-up, emergency response and petrochemical applications.

Category III, Type 3-B, 4-B, 5-B and 6-B  
EN 14126, EN 1073-2.

Antistatic treatment (EN 1149-5) - on inside



#### DuPont™ Tychem® 6000 F Plus

Tychem 6000 F Plus barrier in a new innovative smart design with a hood which fits perfectly full face masks, double cuffs, zippers and flaps. Used for a broad range of applications, from chemical spill clean-up, emergency response to petrochemical applications.

Category III, Type 3-B, 4-B, 5-B and 6-B  
EN 14126, EN 1073-2 Antistatic treatment (EN 1149-5) - on inside



#### DuPont™ Tychem® 6000 FR

Offers a single layer that provided triple hazard protection from liquid-chemical splash, flash fire and electric arc. Designed to help provide industrial workers and Hazmat responders with permeation protection against a broad range of toxic industrial chemicals and chemical warfare agents Certified to NFPA 1992, NFPA 2112 (2018). The arc rating of Tychem® 6000 FR fabric is 15 cal/cm² Ebt.



#### DuPont™ Tychem® 10000 Encapsulated Level A Suit.

Expanded Back, Rear Entry, Extra-Wide Visor, 3 Layers: 40 mil PVC / Teflon® 5 mil / 20 mil PVC. Attached Dual Layer Gloves Internal: Multi-layer laminate / External: Butyl. Attached Socks with Outer Boot Flaps. Double Storm Flap with Hook & Loop Closure. Two Exhaust Valves. Double Taped Seams.

Tychem® 10000 exhibits excellent chemical barrier properties and offers an extremely durable fabric that is puncture- and tear-resistant. Tychem® 10000 fabric shows at least 30 minutes of barrier protection to 322 challenge chemicals with no observed breakthrough. Tychem® 10000 is specifically developed for protection against toxic, corrosive gases, liquids and solid chemicals. This high-performance chemical barrier fabric is suited for industrial, HazMat, and domestic preparedness applications.



Other accessories available  
DuPont™ Tychem® 2000 Tape  
DuPont™ Tyvek® 500 Boot cover  
DuPont™ Tyvek® 500 Labcoat  
DuPont™ Tyvek® 500 Hood

### CATEGORY PICTOGRAMS



TYPE 1  
TYPE 1 - ET



TYPE 2



TYPE 3



TYPE 4



TYPE 5



TYPE 6



EN 1449-5:2008



EN ISO  
14116:2008



EN 1073-2:2002

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**DUPONT**  
**Tyvek | Tychem.**



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## FALLBREAK OFFERING



### FBH02

FB Basic 2 point harness with back D-ring and front webbing Loops



### FBH1L2

FB Basic 1 point harness with double scaffold hooks shock absorbing lanyard



### FBHT

FB Technical harness. Dorsal attachment point (for fall arrest). Frontal attachment point. Frontal waist attachment point.



### FBHR

FB Professional Harness Primary webbing 45mm. Dorsal attachment point (for fall arrest). Frontal attachment point (for partial fall arrest)



### FBLS02

FB Double leg lanyard with energy absorber, 2 scaffold hooks and 1 carabiner



### FBRO

FB Universal Rescue Kit, 4:1 Ratio, Rescue Pole, Jumar, sling and Bag



### THLL

FB Temporary Horizontal lifeline kit - 20m reach



### FBROG

FB Rope Grab Lifeline Kit with Bag and Anchor Sling  
10m - 20m - 30m



### FBRP

FB Rope Protector  
**FBH02**  
FB Harness Step



### RBRB

FB Rope Bag  
**FBGB**  
FB Gear Bag



### FBTL01

FB Tool Lanyard  
**FBWL01**  
FB Wrist Lanyard



### FBAS

FB Webbing Anchor Sling



### FBCB01

FB Cap Lamp Belt- Padded



### FBRCH

Rock Combi Helmet  
EN12492

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## WHAT WE OFFER



"DCP" Dry Powder Extinguishers are most commonly used on fires of flammable liquids, electrical fires, or burning materials like wood or paper



"CO2" Extinguishers are used most commonly on fires involving sensitive electrical equipment & liquid fires, including petrol fires.



Steel and fibreglass cabinets and key-boxes are available for Extinguishers, Hose Reels & Hydrants



These hoses are attached to a Hydrant to supply a high pressure of water to extinguish a fire.



Hydrant Valves are available in Brass and Cast-Iron, the lay-flat hose connects directly into the Hydrant Valve.



Hose Reels provide water to combat Class A fire risk, with a standard fully extended hose length of 30 metres.



These nozzles connect to the lay-flat hose, to aim, control and regulate the flow of water on a fire.



The heavy duty vehicle bracket is weather proof, available in various sizes and can be easily mounted on vehicles.



With our range of spares we are able to repair most Hose Reel and Hydrant leaks, speedily.

## SERVICE OFFERED

### MAINTENANCE

- Service of Hose Reels
- Service of Hydrant Valves
- Service of all Fire Extinguishers

### EXPERIENCED SERVICE

- Installation of Fire Extinguishers
- Installation of Emergency Signage
- Installation of Hose Reels & Hydrant Valve
- Testing of hydrant flow and pressure

### TECHNICAL

- Evacuation Plans for business
- Fire Risk Evaluation

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# FIREBREAK SA

SAFETY APPLIANCES PTY LTD

## FIRE FIGHTING AND GEAR

**FIREMANS HELMET**  
Bullard LTX



**WILDFIRE HELMET**  
Bullard FHLR



**ECO: BUSH FIRE HELEMT**  
c/w Neck Protection &  
Visor



**PILOT FIREFIGHTER**  
GOOGLE



**BALACLAVA**  
NFPA 1971-2018  
Nomex



**FIRE GLOVES**  
HY SAFETY - NFPA



**FIRE GLOVES**  
WILDFIRE



**BUNKER SUITS**



**HARVIC VIKING**  
BOOTS



**FIREMANS KIT BAG**



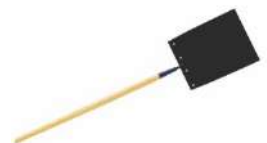
**PROTEC 366+BI**  
Pistol Grip Nozzle



**FLASHLIGHT**  
Intrinsically Safe



**FIRE BEATER**



**FIREBREAK SA**

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# FIREBREAK SA

SAFETY APPLIANCES PTY LTD

## FIREMANS TOOLS

### HOOLIGAN TOOL



Size 36" / 91cm

Heat treated

Lifetime warranty Superior grip  
& control Designed to  
puncture/pry/twist & cut

### PRY AXE c/w STD CLAW



Size 46cm closed & 64cm open

Multi-purpose tool

A slam-ram tool designed to  
pry/twist/chop/cut metal/twist-  
off locks or latches, etc.

Heat-treated with rubber grip

### CEILING HOOK / PIKE POLE



Size 6ft / 2M

Lightweight - fiberglass handle -  
heavy duty malleable iron pike  
Designed to open ceilings/walls/  
floors, etc.

### PICK POINT AXE



Size 36" / 91cm

Pick pint crucible

Steel axe - long handled  
fiberglass handles - stronger  
than steel - lighter than  
aluminium  
Cushion grip

### HAND HELD FIRE AXE



Size 39cm

Pick point head

Hickory wooden handle - good  
insulation  
Epoxy bonded head to handle

### CRASH AXE



Size 39cm

Emergency chopping tool & sharp  
blade  
Often used in aircraft crash landing  
incidents  
Used for cutting through metal &  
prying gaps open

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THE SMALLEST 4 AND 5 GAS DETECTORS IN THE MARKET - NOW AVAILABLE FROM FIREBREAK SA



### Meet the GX-3R

World's Smallest and Lightest 4 Gas Monitor.  
Simple 2-button operation with 25 hours of operation.  
Detection of LEL, O<sub>2</sub>, H<sub>2</sub>S & CO -  
H<sub>2</sub> compensated CO sensor available.



### GX-3R Pro with Bluetooth and Man Down

World's smallest and lightest 5 Gas monitor.  
Simple 2-button operation with 25 hours of operation.  
Detection of LEL, O<sub>2</sub>, H<sub>2</sub>S & CO & other optional sensors  
H<sub>2</sub> compensated CO sensor available.



### RP-3R Clip-on Sampling Draw Pump

The RP-3R are compact, battery operated, motorized sample drawing pumps which attach to the GX-3R or the GX-3R Pro to change them from diffusion operation to sample drawing operation.

The model RP-3R pumps and the GX-3R or GX-3R Pro gas monitor make a complete solution for confined space entry.



Models GX-3R and GX-3R Pro with RP-3R clip-on sampling pump

## ABOUT RKI INSTRUMENTS



RKI Instruments, Inc. is an innovative gas detection company located in Union City, California. RKI began in 1994 with the belief that distributors and customers deserve a permanent reliable source for advanced gas detection instruments and sensors. RKI is also known for unique product development. Through ingenuity and years of industry experience, we have developed our own line of gas detection instruments and accessories to complement the Riken product line. All of RKI developed products designed around Riken's long lasting field proven sensors.

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## Exceeding Quality Standards Globally

With more than 20 Years of knowledge and expertise in the world of Industrial Safety, and a portfolio of more than 2500 offerings, Karam is one of the leading manufacturers of Personal Protective Equipment. We focus on Customer satisfaction and continuous product innovation and proudly serve customers in more than 100 Countries, truly making us a Global brand to reckon with.

## HARNESSES



**PN 10(S)**

Full body harness + double lanyard (1.7m) + scaffold hooks



**PN 21**

Full body harness with dorsal attachment D Ring



**PN 41**

Full body harness with dtorsal attachment D Ring



**PN 42**

Full body harness with shoulder and leg pad



**PN 56**

Full body harness with shoulder and leg pad + dorsal and sternal D ring



**PN 61**

Full Body Rescue Harness+ Sternal+Ventral D-Rings+ Padded WB+ Chest Strap Karabiner Att + Alu. Fittings



**MAGNA-2**

Magna harness-dorsal/sternal att point + lateral D rings. Fully adjustable shoulder chest/thigh strap and WB



**MAGNA-3**

Magna Harness AP-Dorsal/Sternal/Ventral point + lat D rings. Fully adjustable shoulder, chest, thigh strap and WB

## CONFINED SPACE ENTRY AND RETRIEVAL



**PN 800 (DP) 7 FT**

Tripod double pulley with wheel



**PN 801 (DP) (25M)**

Winch - 25m



**PCGS20R**

Karam retrievable retractable blocks 20m Lanyard + PN 162 attachment at end



**PN 900 (06)**

Mounting brackets - 30m



**PN 900 (07)**

Mounting brackets - 20m



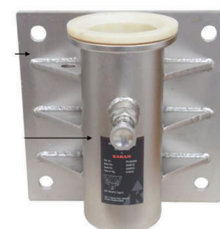
**PN 900**

K-Pod cantilever arm



**PN 900 (01)**

Floor mounting bracket



**PN 900 (02)**

Wall mounting bracket

## RESCUE AND EVACUATION



**PN 408N**

Evac - R



**PN 660 5:1 - 20M**

Rescue roll system - 20m with 5:1 hauling



**PN 403**

Repac recovery stretcher

## RETRACTABLE FALL ARRESTER BLOCKS



**MIC 02 (112\_13N)**

Micron block with PN 112 at anchor & PN 131 at attachment - 2m



**TPGS07**

Retractable fall arrester (7m) with swivel hook PN 162 at attachment



**TPGS07 (SE)**

Sharp edge retractable fall arrester (7m ) for horizontal use with swivel hook PN162 at attachment

## CONNECTORS



**PN361(30)(S)N**

Forked Lanyard with energy absorber with PN 112 at one end and two PN131N at other end



**PN112 (Y)**

Steel screw locking karabiner



**PN195BE**

50kn karabiner material - alloy steel



**PN174**

Twin SRL Connector

## ACCESSORIES AND GEAR



**AP012 (SS)**

Stainless steel single pulley  
single side attachment



**AP 013 (SS)**

Stainless steel double pulley  
double side attachment



**PN 405**

Ventral rope clamp



**PN431**

Figure of 8



**IMP 003**

Webbing spreader bar



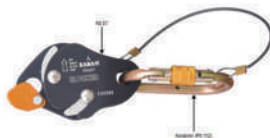
**IMP 005**

Pilot chair



**PN402 (R)**

Ascender Handle (right)



**PN2006**

Guided type fall arrester with  
carabiner PN112 and RG07



**TL01 (N)**

Tools lanyard with karabiner



**STS01 (N)**

Suspension intolerance  
strap

## ANCHORAGE



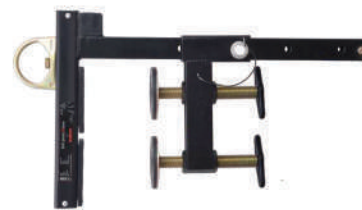
**SA 08**

Beam Anchor



**SA 10 A**

Steel point anchor



**SA11**

Parapet anchor



**SA 12**

Stainless steel chemical point anchor



**SA 13**

Grinder steel anchor



**PN 802**

Aluminium door anchor (with bag)



**PN 807 (1.5M)**

Cross arm strap



**PN 804 (1.5M)**

Cross arm strap (D Ring on both ends )



**PN 3000 (BC)**

Horizontal anchorage lifeline 20m (HLL) 2 users with  
arm straps (1m)



**FIREBREAK SA**

SAFETY APPLIANCES PTY LTD

'SINCE 1996'



**KARAM®**

knowing your needs better



**FIXED LINE  
SYSTEMS**

**EDITION 2021**



## Vertical Anchorage Line System on Rigid Cable Line



Scan here for a virtual tour of the product

### ► Ref: VERTEX PN 7000 System Specifications

Certifying to the Norm 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 and down a ladder.

The unique feature of this system is a permanently 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 and is maintained in the rigid position by the use of 2 mounting brackets - one at the top and other at the bottom.

The Stainless Steel Rope Grab is directly connected to the Harness of the user without any additional lanyard.

To maintain the rigidity and 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.

### Mounting Bracket Using Two Ladder Rungs

Mounting brackets using two ladder rungs for installing Vertical Lifeline Systems available in Stainless Steel and ED Coated Alloy Steel.

Ref. No.	Material	Finish	Minimum Breaking Strength	Net Weight	Conforms to
PN 7000(13)	Stainless Steel Grade 316	Electro Polished	23kN	1.11Kgs ± 0.005Kgs	EN 795:2012 Type A
PN 7000(13)(EC)	Alloy Steel	ED Coated (Black)	23kN	1.10Kgs ± 0.005Kgs	



PN 7000(13)



PN 7000(13)(EC)

Compatible with rung diameter: Ø18.0mm - Ø36.0mm





# Vertical Anchorage Line System on Rigid Cable Line



## Ref: VERTEX PN 7000



EN 353-1:2014+A1:2017

### Shock Absorber PN 7000 (02)

- Material: Stainless Steel 316
- Limits the impact of force in the event of fall to less than 6 kN



### Wire Rope (Cable Wire) Ref. PN 9XXXSL (where XXX is the length of the wire rope in meters)

- Material: Stainless Steel 316
- Diameter: 8mm
- Construction: 7x19



### Intermediate Ref. PN 2001 (04)

- Material: Stainless Steel 316
- Recommended Installation- Every 10 m



### Wire Rope Cap Ref. PN 7000 (12)

- Material : Aluminium Alloy



### Inspection Plate Ref. PN 7000(16)



### Optional

Extension Arm (Finish-ED Coating Black) - Ref.: PN 7000(06)  
Length : 2108.0 mm and Weight: 7.670 kgs



### Mounting Bracket Ref. PN 7000 (01)

- Material: Stainless Steel 316
- Breaking Strength > 23 kN
- Compatible with rung diameter: Ø25.0mm -Ø96.0mm
- Complies with EN 795 Type A

### Optional

### Mounting Bracket Ref. PN 7000(21)

- Material: Stainless Steel.
- Minimum Breaking Strength:23 kN
- Compatible with rung diameter- Ø22.0mm-Ø114.0mm

### Rope Grab

### Ref. RG 02 (112)

- Material of Rope Grab: Stainless Steel 316
- Finish: Shot blasted and Electro polished
- Anti inversion mechanism
- Material of Karabiner: Alloy Steel



### Set of 2 U-Bolts and 1 Thimble Ref. PN 6000 (01)

- U - Bolts : Qty - 2 nos.  
Material : Stainless Steel 316
- Thimble : Qty - 1 no.  
Material : Stainless Steel 316



### Tensioner

### Ref. PN 7000 (05)

- Regulates tensioning of the cable  
Equipped with a Tension Indicator
- Material: Stainless Steel Grade 316
- Quantity: 1 nos



\* Also supplied with Black ED Coated mounting bracket PN 7000 EC(01) for value engineering



## Vertical Anchorage Line System on Rigid Aluminium Rail



### ► Ref: VERTEX PN 8000 System Specifications

This Vertical fall Arrest Anchorage system (certifying 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, when 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.

### Support for Alu Extension

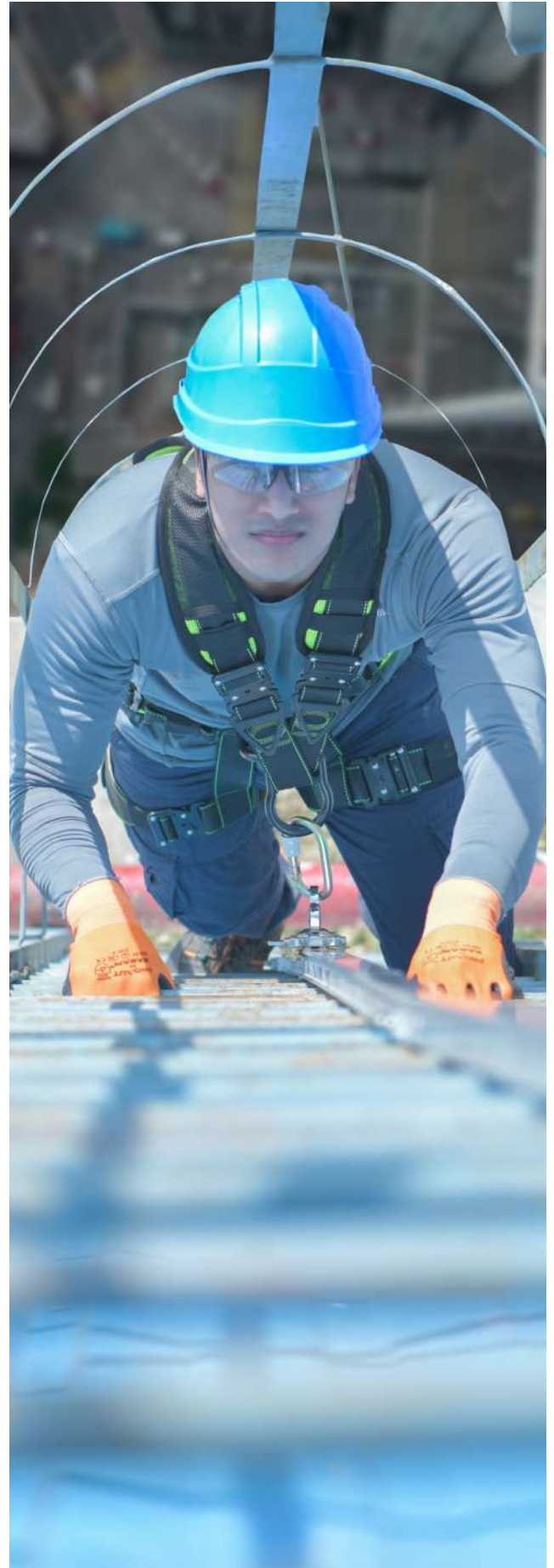


Ref. PN 8000(05)  
For Trapezoidal Roof



Ref. PN 8000(06)  
For Standing Seam Roof

Compatible with rung diameter: Ø18.0mm - Ø36.0mm





# Vertical Anchorage Line System on Rigid Aluminium Rail

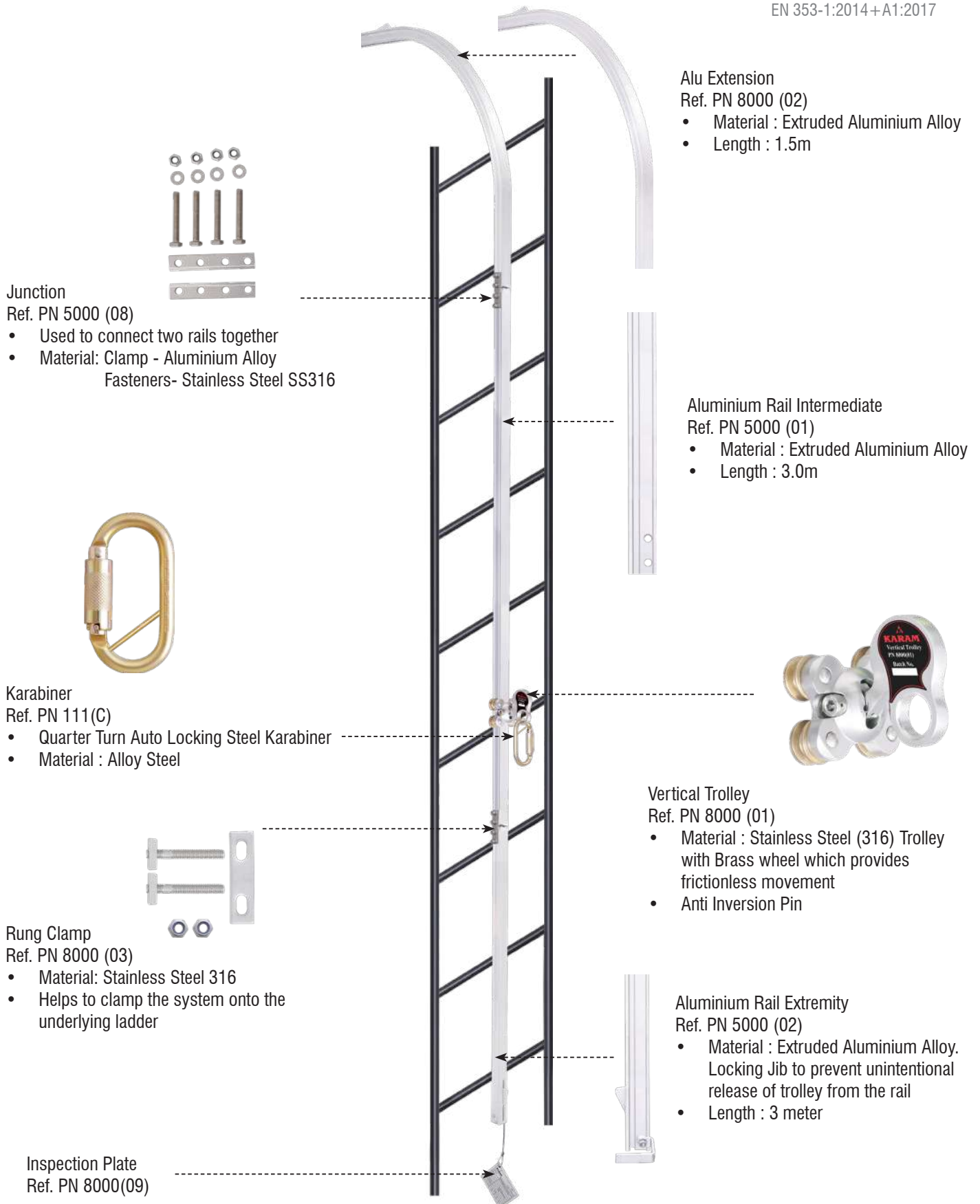


FIREBREAK SA  
SAFETY APPLIANCES PTY LTD

➤ Ref: VERTEX PN 8000



EN 353-1:2014+A1:2017



Junction

Ref. PN 5000 (08)

- Used to connect two rails together
- Material: Clamp - Aluminium Alloy  
Fasteners- Stainless Steel SS316

Karabiner

Ref. PN 111(C)

- Quarter Turn Auto Locking Steel Karabiner
- Material: Alloy Steel

Rung Clamp

Ref. PN 8000 (03)

- Material: Stainless Steel 316
- Helps to clamp the system onto the underlying ladder

Inspection Plate

Ref. PN 8000(09)

Alu Extension

Ref. PN 8000 (02)

- Material: Extruded Aluminium Alloy
- Length: 1.5m

Aluminium Rail Intermediate

Ref. PN 5000 (01)

- Material: Extruded Aluminium Alloy
- Length: 3.0m

Vertical Trolley

Ref. PN 8000 (01)

- Material: Stainless Steel (316) Trolley with Brass wheel which provides frictionless movement
- Anti Inversion Pin

Aluminium Rail Extremity

Ref. PN 5000 (02)

- Material: Extruded Aluminium Alloy. Locking Jib to prevent unintentional release of trolley from the rail
- Length: 3 meter



## Vertical Anchorage Line System on Rigid Aluminium Rail



Scan here for a virtual tour of the product

### ► Ref: VERTEX PN 9000 System Specifications

This is a complete Fall protection Ladder System which consists of ED Coated Black 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 Alloy 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 Uni-directional 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.

This system can be used on telecommunications 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, ship-building.



#### Extendable Brackets for Vertical Lifeline



Ref. PN 9000 (13)



Ref. PN 9000 (13)EC

- Extendable Bracket for Vertical Aluminium Rail Lifeline Systems on side cladding of pre engineered building
- Telescopic adjustment to adjust the clearance of the line from the vertical column and purlin

#### Support for Alu Extension



Ref. PN 8000(05)  
For Trapezoidal  
Roof



Ref. PN 8000(06)  
For Standing  
Seam Roof

- Support for Alu Extension on the Landing Platform

### Option of Half Rungs Ladder also available

Ladder Rung Material :  
ED Coated Black  
Ref. PN 9000(HR)



## Vertical Anchorage Line System on Rigid Aluminium Rail



EN 353-1:2014+A1:2017

### Ref: VERTEX PN 9000



- Stainless Steel  
Ceiling Mounting Bracket  
Ref. PN 5000 (06)
- Material: Stainless Steel 316
  - Help to mount the ladder on to the underlying structure



- Stainless Steel Mounting Nut  
Ref. PN 5000 (03)
- To connect the rail to the mounting Bracket
  - Material : Stainless Steel 316
  - Also available in Galvanized Steel version  
Ref. PN 5000 (03)R

- Karabiner  
Ref. PN 111(C)
- Quarter Turn Auto Locking Steel Karabiner
  - Material : Alloy Steel

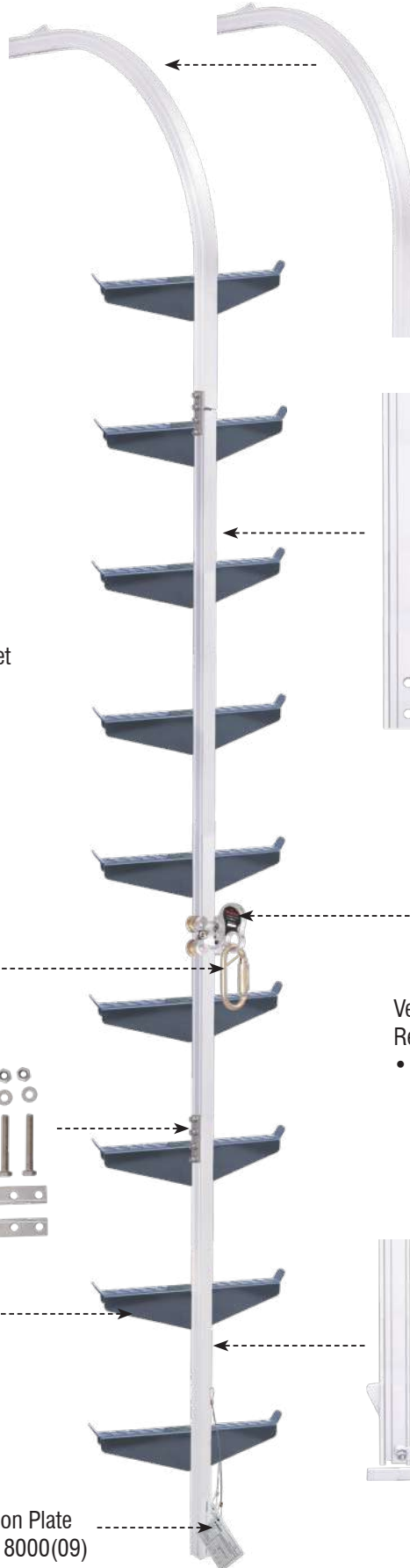


- Junction  
Ref. PN 5000 (08)
- Used to connect two rails together
  - Clamp made up of Aluminium Alloy and Fasteners-SS316



- Ladder Rung Assembly  
Ref. PN 9000 (01)
- Ladder Rung Material : ED Coated Black

- Inspection Plate  
Ref. PN 8000(09)



- Alu Extension  
Ref. PN 8000 (02)
- Material : Extruded Aluminium Alloy
  - Length : 1.5m

- Aluminium Rail Intermediate with Rung  
Ref. PN 9000 (03)
- Material : Extruded Aluminium Alloy
  - Length : 3.0m



- Vertical Trolley  
Ref. PN 8000 (01)
- Material: Stainless Steel (316) Trolley with Brass wheels which provide frictionless movement. Anti inversion pin to prevent unintentional release of trolley from the rail

- Aluminium Rail Extremity with Rung  
Ref. PN 9000 (02)
- Material : Extruded Aluminium Alloy
  - Length : 3 m

\* Also supplied with ED Coated (Black) mounting bracket PN 5000 (06)R and hot dipped galvanized mounting nut PN 5000 (03)R for value engineering

## ► Ref: HORIZON PN 4000 (Roof Mounted)

### System Specifications

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 8 mm 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 an interval of 5-12 mtrs. The Wire Rope is maintained in tension with the help of Tensioner at one end, while the other end has a swage 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. Conforms to EN 795:2012 Type C and TS 16415:2013



Scan here for a virtual tour of the product

#### Shock Absorber

Ref. PN 4000MU (02)

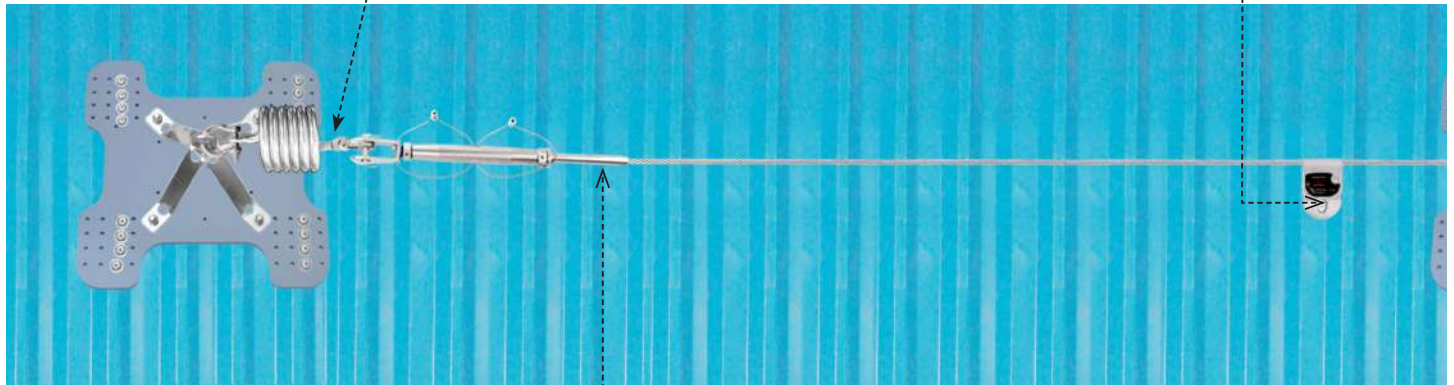
- Material : Stainless Steel 304



#### Carriage Body

Ref. PN 4000 (08)

- Material : Stainless Steel 316
- Feature : Friction Free movement



#### Swaged Tensioner

Ref. PN 4000 (03)

- Regulates tensioning of the cable
- Material: Stainless Steel 316
- Feature: Swage termination

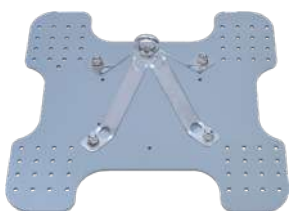


Inspection Plate  
Ref. PN 4000 (20)



Corner Post for Trapezoidal Roof  
Ref. PN 4000 (26)

#### For Trapezoidal Sheet



Roof Top Anchor Post Extremity  
for Galvolum Trapezoidal Roof  
Ref. SA07 G



Roof Top Anchor Post Intermediate  
for Galvolum Trapezoidal Roof  
Ref. SA07 H

#### For Standing Seam Roof



Roof Top Anchor Post Extremity  
for Standing Seam Roof  
Ref. SA07 I



Roof Top Anchor Post Intermediate  
for Standing Seam Roof  
Ref. SA07 J



## Ref: HORIZON PN 4000 (Roof Mounted)

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. Conforms to EN 795:2012 Type C and TS 16415:2013

### Wire Rope (Cable Wire)

Ref. PN 9XXXS (where XXX is the length of the Wire rope in meters)

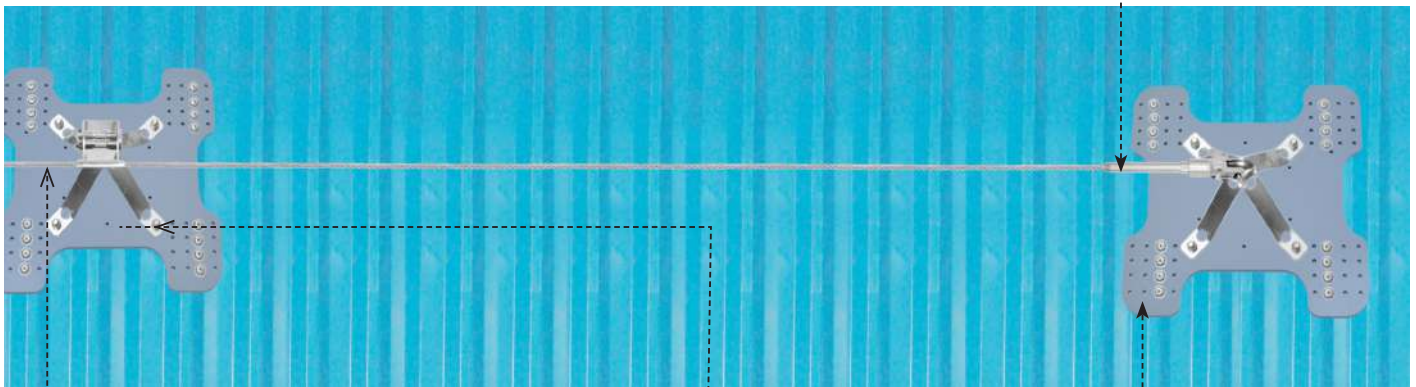
- Material: Stainless Steel 316
- Diameter: 8 mm
- Construction: 7x19



### Swaged Cable Extremity

Ref. PN 4000 (15)

- Allows crimping of the cable wire at the desired length, and eliminates danger of any loose wire
- Material: Stainless Steel 316
- Feature: Swaged termination



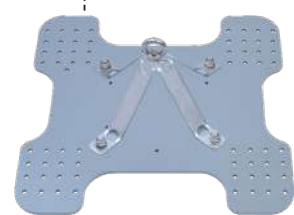
### Intermediate

Ref. PN 4000 (10)

- Material: Stainless Steel 316
- Recommended Installation Every 5-12 mtrs

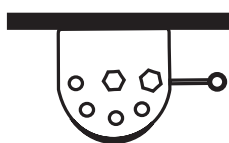


Roof Top Anchor Post Intermediate  
Ref. SA07 H

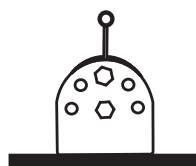


Roof Top Anchor Post Extremity  
Ref. SA07 G

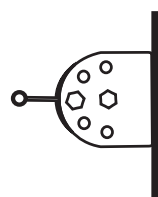
### Intermediate Brackets Orientation for different Installation



Ceiling Mounting



Floor Mounting



Wall Mounting



## ► Ref: HORIZON PN 4000 (Floor/Ceiling Mounted)

### System Specifications

Horizon PN 4000 provides permanent anchorage to maximum 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 8-12 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. Conforms to EN 795:2012 Type C and TS 16415:2013



Scan here for a virtual tour of the product

Universal Extremity Plate  
Ref. PN 4000 (09)

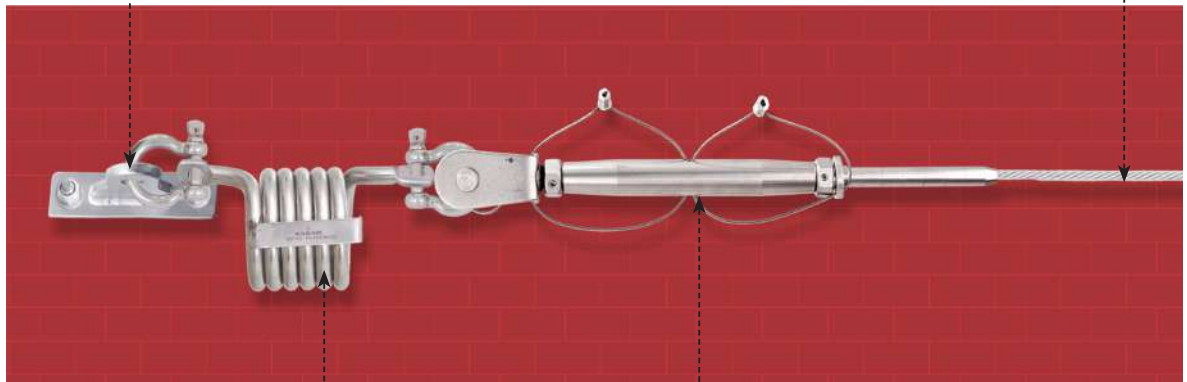
- Material : Stainless Steel 316



Wire Rope (Cable Wire)

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

- Material : Stainless Steel 316
- Diameter : 8mm
- Construction : 7x19



Shock Absorber  
Ref. PN 4000MU (02)

- Material : Stainless Steel 304



Swaged Tensioner  
Ref. PN 4000 (03)

- Regulates tensioning of the cable.
- Material : Stainless Steel 316.
- Feature : Swaged termination.





## ➤ Ref: HORIZON PN 4000 (Floor/Ceiling Mounted)

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 and selection of suitable anchor point.

Horizon PN 4000 has the unique distinction of being certified by Sirra 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 is conforms to EN 795:2012 Type C, TS 16415:2013 and Atex approved and for use in potentially explosive areas.

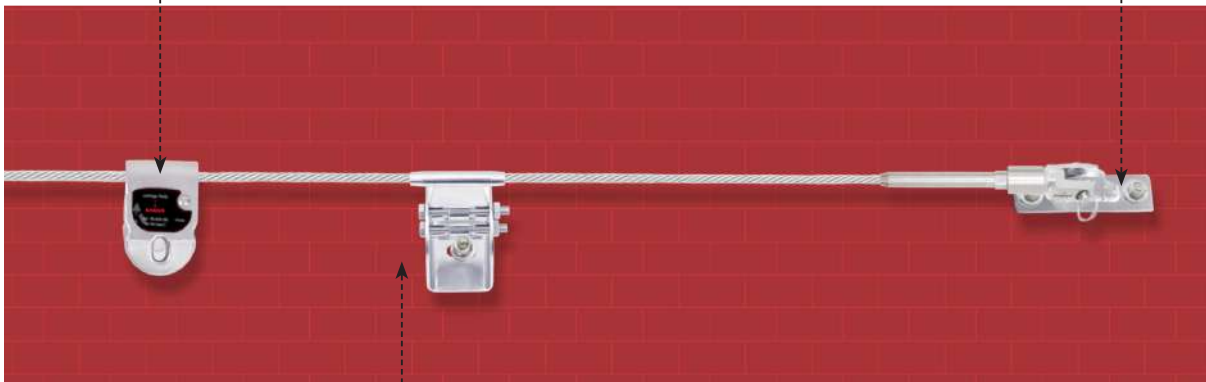
Carriage body  
Ref. PN 4000 (08)

- Material : Stainless Steel 316
- Feature : Friction Free movement



Swaged Cable Extremity  
Ref. PN 4000 (15)

- Allows crimping of the cable wire at the desired length, and eliminates danger of any loose wire.
- Material : Stainless Steel 316
- Feature : Swage termination



Intermediate  
Ref. PN 4000 (10)

- Material: Stainless Steel 316
- Recommended Installation Every 8-12 mtrs.



Inspection Plate  
Ref. PN 4000 (20)

### Optional



Wheel Type Carriage Body  
Ref. PN 4000 (17)



Double Tandem Pulley Small with SS Sheaves  
Ref. AP 016

## Ref: HORIZON PN 5000

### System Specifications

This Anchorage Rail system complies with EN 795:2012 Type D and designed to provide safe anchorage for horizontal movement while working at height. The Worker wears a Full body Harness and uses a Lanyard (or other Connector compliant with EN 354/EN 355) to connect to the eye of the Trolley, which glides along the Aluminium horizontal Rail. For overhead applications a Self Retractable Fall Arrestor can be used to provide the most effective means of fall protection.

The Horizon PN 5000 can be fitted on to floors, wall and on ceilings using special mounting brackets. The Wall-mounting brackets can be flushed along the surface of the wall. Alternately, special mounting brackets which allow a recess between the rail and the wall may be used so as not to interrupt underlying structures like pipes and wires.

The rail is available in straight as well as curved forms (for corners and bends). The specially fixed junctions between different lengths of the rail allow an extremely smooth movement of the Trolley.

The system also has an Inspection Name Plate for identification, traceability and maintenance of inspection records. Conforms to EN 795:2012 Type D



Scan here for a virtual tour of the product

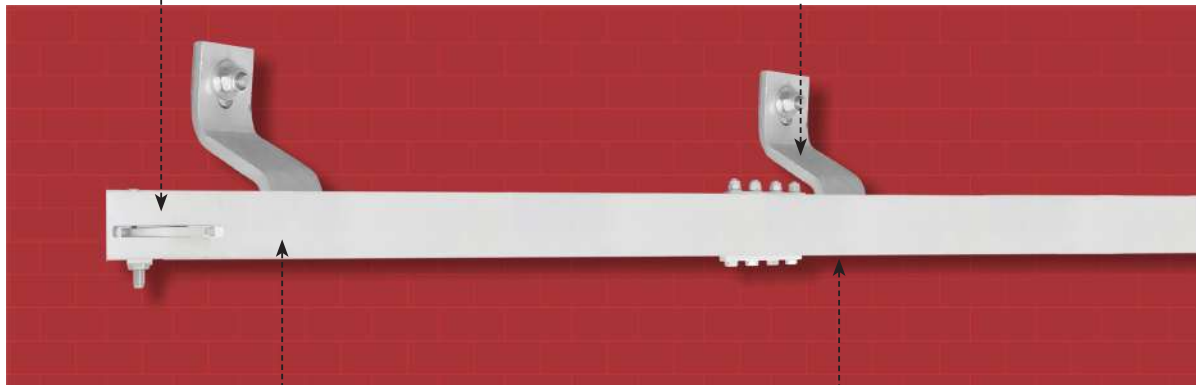
Aluminium Rail Extremity  
Ref. PN 5000 (02)

- Material : Extruded Aluminium Alloy
- Length : 3 meter



Ceiling Mounting Bracket  
Ref. PN 5000 (06)

- Material: Stainless Steel 316  
(For Ceiling mounting)



Alu. Rail Intermediate  
Ref. PN 5000 (01)

- Material : Extruded Aluminium Alloy
- Length : 3 Meter.



Wall Mounting Bracket  
Flush Type  
Ref. PN 5000 (04)

- Material : Stainless Steel 316  
(for Flush type wall Mounting)



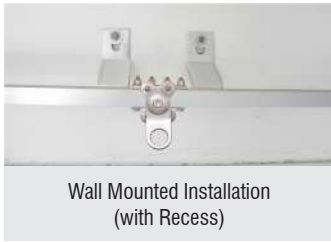
Wall Mounting Bracket  
with Recess  
Ref. PN 5000 (05)

- Material : Stainless Steel 316  
(for Wall Mounting with Recess)



## ➤ Ref: HORIZON PN 5000

### Installations Using Different Types of Mounting Brackets



### Curved Aluminium Rail

Material:  
Extruded Aluminium Alloy



(Outer Wall Mounted)  
Ref. PN 5000 (09A)



(Inner Wall Mounted)  
Ref. PN 5000 (09B)

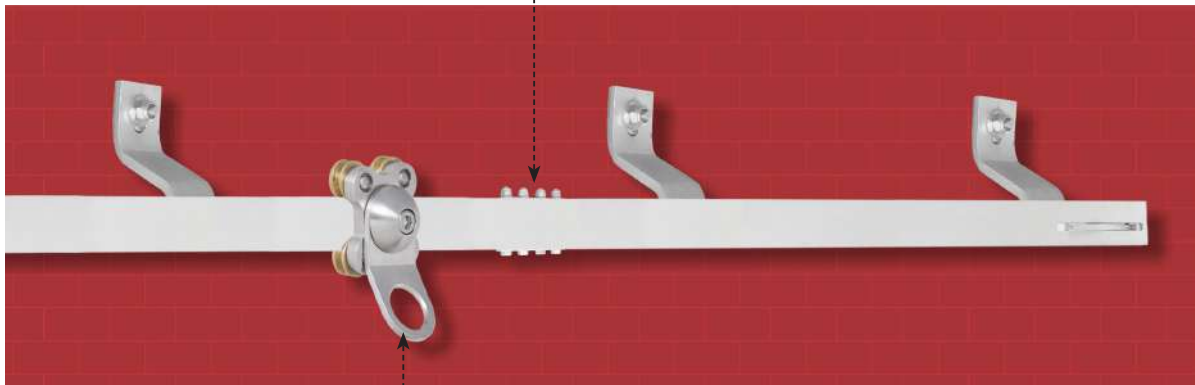


(Ceiling/ Floors)  
Ref. PN 5000 (10)

### Junction

Ref. PN 5000 (08)

- Used to Connect Two rails together.
- Material : Clamp-Aluminium Alloy Fasteners-SS316



Trolley for Wall  
Ref. PN 5000 (12)



Trolley For Ceiling/Floor  
Ref. PN 5000 (13)

- Material : Stainless Steel 316 Trolley with Brass wheels which provide frictionless movement.



Mounting Nut  
Ref. PN 5000 (03)

Material: Stainless Steel 316 to connect the rail to the mounting Bracket PN 5000(04) or PN 5000 (05)



# **FIREBREAK SA**

SAFETY APPLIANCES PTY LTD

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