

ALVA
GROUP

FIXED LINE SYSTEMS



A black and white photograph of two construction workers on a steel structure. The worker in the foreground is wearing a white hard hat, safety glasses, and a full-body harness, holding a large coil of rope. The worker in the background is also wearing a hard hat and safety glasses, and is wearing a full-body harness. The image is overlaid with a large yellow diagonal line and the text "FULL BODY HARNESS" in bold yellow letters.

FULL BODY HARNESS

GAMMA SERIES

KARAM introduces the Gamma Series of Harnesses specially designed to combat the dangers of fall from height.

FEATURES



Lanyard Keepers

Specially designed keepers on both sides for safely attaching the free connector end of lanyard



Elastic Loops

Specially designed to retain the excess strap while adjustment



Forked webbing lanyard

Permanently spliced on the Dorsal D-ring of the Harness



ID Plate

Dorsal webbing holding cross plate maintains the D-ring in place even after a fall



Energy Absorber

Has Energy Absorber permanently affixed on the Dorsal D-ring of the Harness and it reduces the forces that are felt on the body of the user in the event of fall to less than 6kN, preventing any internal damage to the body



Sit Strap

Ideally positioned sit strap for extended comfort



Hooks / lifeline end

Steel Scaffold Hooks at the Lifeline end



Used in Industry



PN 10(S) + PN 324

FEATURES

- Attachment point on Rear D-Ring
- Lanyard Keepers
- Fall indicators
- Adjustable chest and leg straps
- Fall Arrest Webbing Lanyard PN 324 attached in rear of harness
- Lanyard is certified as per EN 355:2002



2-Point
Adjustment



1-Point
Attachment



SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal
- Adjustability- Adjustable sliding chest strap, thigh straps



121



M-L



1.535 kg $\pm$ 0.01 kg



EN 361:2002

Used in Industry



PN 10(S) + PN 361 (with Steel Snap Hooks)

FEATURES

- Attachment point on Rear D-Ring
- Lanyard Keepers
- Fall indicators
- Adjustable chest and leg straps
- Fall Arrest 44mm Forked Webbing Lanyard PN 361N attached in rear of harness
- Lanyard is certified as per EN 355:2002, VG11/RIU CNB/P/11.063 (additional Static Strength Test) AS/NZS 1891.1:2007.



2-Point
Adjustment



1-Point
Attachment



SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal
- Adjustability- Adjustable sliding chest strap, thigh straps



121



M-L



1.890 kg $\pm$ 0.01 kg



EN 361:2002

Used in Industry



PN 10(S) + PN 326

FEATURES

- Attachment point on Rear D-Ring
- Lanyard Keepers
- Fall indicators
- Adjustable chest and leg straps
- Fall Arrest Webbing Lanyard PN 326 attached in rear of harness
- Lanyard is certified as per EN 355:2002.

SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal
- Adjustability- Adjustable sliding chest strap, thigh straps



131N



M-L

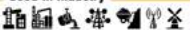


1.805 kg $\pm$ 0.01 kg



EN 361:2002

Used in Industry



2-Point Adjustment



1-Point Attachment



PN 10(S) + PN 361(with Steel Scaffold Hooks)

FEATURES

- Attachment point on Rear D-Ring
- Lanyard Keepers
- Fall indicators
- Adjustable chest and leg straps
- Fall Arrest 44mm Forked Webbing Lanyard PN 361N attached in rear of harness
- Lanyard is certified as per EN 355:2002, VG11/RfU CNB/P/11.063 (additional Static Strength Test) AS/NZS 1891.1:2007.

SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal
- Adjustability- Adjustable sliding chest strap, thigh straps



131N



M-L

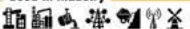


2.430 kg $\pm$ 0.01 kg



EN 361:2002

Used in Industry



2-Point Adjustment



1-Point Attachment



PN 21(WB) + PN 324

FEATURES

- Attachment point on Rear D-Ring
- Lanyard Keepers
- Fall indicators
- Waist Belt incorporated
- Adjustable shoulder, chest and leg straps
- Fall Arrest Webbing Lanyard PN 324 attached in rear of harness
- Lanyard is certified as per EN 355:2002

SPECIFICATIONS

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal
- Adjustability- Adjustable sliding chest strap, thigh straps and waist belt



121



M-L

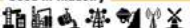


kgs 2.430 kg ± 0.01 kg



EN 361:2002

Used in Industry



4-Point Adjustment



1-Point Attachment



PN 21(WB) + PN 361 (with Steel Scaffold Hooks)

FEATURES

- Attachment point on Rear D-Ring
- Lanyard Keepers
- Fall indicators
- Adjustable shoulder, chest, leg straps and waist belt
- Fall Arrest 44mm Forked Webbing Lanyard PN 361N attached in rear of harness
- Lanyard is certified as per EN 355:2002, VG11/RIU CNB/P/11.063 (additional Static Strength Test) AS/NZS 1891.1:2007.

SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal
- Adjustability- Adjustable sliding chest strap, thigh straps



131N



M-L



kgs 2.80 kg ± 0.01 kg



EN 361:2002

Used in Industry



4-Point Adjustment



1-Point Attachment



BETA SERIES

KARAM introduces the Beta Series of Harnesses equipped with enhanced features that provide full comfort and ergonomics to the user at all times.

FEATURES

Web Keepers

All end straps are equipped with unique plastic web keepers to give better grip while adjustment

Lanyard Keepers

Specially designed breakaway lanyard keepers for safely attaching and resting a lanyard.

LABEL(A OR A/2)

Denotes attachment point for fall arrest

Padded Belt

Increases support and worker productivity

Tool Holder Loops

Two tool holder loops and a extra bigger handle at the back for keeping extra Karabiners and accessories

Dorsal Attachment Point

Dorsal D-Ring - For fall arrest. It is located on the ID plate located on the back of the harness between the shoulder blades

Elastic Loops

Specially designed to retain excess straps while adjustment

Sternal Attachment Point

Sternal D-Ring- Located on the chest area of the Harness is used as a front attachment point for fall protection when using a guided type fall arrester while climbing or entering a confined space

Ventral Attachment Point

Ventral D-ring- Located in the centre of the waist level of the Harness. It is used for rope access, rescue and many other applications

Lateral Attachment Point

Lateral D-Ring- For attachment with work Positioning Lanyards, to enable the worker to work comfortably, with both his hands free



Used in Industry



PN 24

FEATURES

- Attachment points on Rear D-Ring and Front Fall arrest D-Ring
- Lanyard Keepers
- Fall indicators
- Sit strap for extended comfort.
- Fully padded shoulder and thigh straps with cushioned mesh net for better shock absorption and comfort to the user.
- Adjustable shoulder, chest and leg straps

SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability-Adjustable shoulder, Chest strap, thigh straps



M-L



1.5 kg ± 0.01 kg

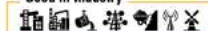


AS/NZS 1891.1:2020



EN 361:2002

Used in Industry



3-Point Adjustment



2-Point Attachment



PN 41

FEATURES

- Attachment point on Rear D-Ring
- Lanyard Keepers
- Fall indicators
- Adjustable shoulder, chest, leg and waist straps
- Padded work positioning waist belt with side D-Rings
- Sit strap for extended comfort

SPECIFICATION

- Webbing- Polyester
- Application- FA+WP
- Attachment Points- Dorsal, Sternal
- Adjustability-Adjustable shoulder, chest strap, thigh straps and waist belt.



M-L

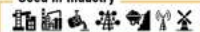


1.8 kg ± 0.01 kg



EN 361:2002
EN 358:2018

Used in Industry



4-Point Adjustment



2-Point Attachment



PN 42

FEATURES

- Attachment points on Rear D-Ring and Front webbing loops
- Lanyard Keepers
- Fall indicators
- Adjustable shoulder, chest and leg straps
- Padded work positioning waist belt with side D-Rings

SPECIFICATION

- Webbing- Polyester
- Application- FA + WP
- Attachment Points- Dorsal, Sternal, Lateral
- Adjustability- Adjustable shoulder, chest strap, thigh straps and waist belt.



M-L



1.74 kg ± 0.01 kg

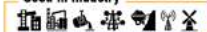


AS/NZS 1891.1:2020



EN 361:2002
EN 358:2018

Used in Industry



4-Point
Adjustment



3-Point
Attachment



KARAM Sit Harness PN 51 is ideal for work positioning and restraint. It is a Sit Harness, not suitable for fall protection.



2-Point
Adjustment



2-Point
Attachment

PN 51

FEATURES

- Attachment point on Ventral Fall arrest D-Ring
- Adjustable and padded leg straps
- Padded work positioning waist belt with side D-Rings

SPECIFICATION

- Webbing- Polyester
- Application- WP + RA
- Attachment Points- Lateral, Ventral
- Adjustability- Adjustable thigh straps and waist belt.



M-L



1.30 kg ± 0.01 kg



EN 358:2018
EN 813:2008

Used in Industry



PN 56 is a special Tower Harness in the KARAM range. Equipped with comfortable padding on shoulder, waist and the thigh pads, PN 56 is a comfortable harness and very versatile in use. It is the most popular Harness used for the purpose of carrying out rescue of a fall victim, by descent.

PN 56

FEATURES

- Rear Dorsal D-Ring, Front Fall Arrest D-Ring and Ventral D-Ring as attachment points
- Lanyard Keepers
- Fall indicators
- Adjustable shoulder, chest and leg straps
- Padded work positioning waist belt with side D-Rings
- Two tool holder loops and a extra bigger handle at the back for keeping extra Karabiners and accessories.
- X-shaped construction wraps to reduce pressure points during prolonged suspension.

MATERIAL

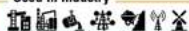
- Webbing- Polyester
- Application- FA + WP+RA
- Attachment Points- Dorsal, Sternal, Lateral, Ventral
- Adjustability-Adjustable shoulder, Chest strap, thigh straps



kgs 2.24 kg ± 0.01 kg

CE EN 361:2002
EN 358:2018
EN 813:2008

Used in Industry



The KARAM Alpha series is a premium range of Harnesses which comes with the highest feature of Ergonomics, Comfort, Safety and Quick Connect Buckles for easy adjustment.

Shoulder Straps
Fully padded Shoulder straps for better shock absorption and comfort to the user

Lanyard Keepers
For placement of free lanyards

Wider Elastic Loops
Specially designed to retain excess straps while adjustment

Triple Action Locking Karabiner
Enables the wearer to easily wear or remove the harness by simply detaching it

Bend Lateral D-Ring
Light weight forged Aluminium D-rings specially designed with "BEND" to stand out enabling easy accessibility to the user during positioning at all times

Combination Buckles
With a unique pull-up grip, these buckles are very easy to use & can be tightened/ loosened with one hand. They provide for very comfortable adjustment, keeping the Harness snug fit to the body

Work Positioning Belt
With knitted mesh pads for extra comfort. The belt is provided with holding loops for attaching tool bags etc

Automatic Buckles
Extremely easy to use for single-hand adjustment

Thigh Straps
The distinctively placed fully padded straps with automatic buckles allow easy adjustment

Metal Components
All hardware used are made from Aluminium and are Black Powder Coated to provide the highest degree of corrosion resistance packed with high aesthetic appeal

Stitching Pattern
Unique aesthetic stitch pattern for enhanced stitching, strength and smart styling. Padded shoulder, thigh straps and work positioning belt for better shock absorption and comfort to the user



MAGNA 1

FEATURES

- Attachment point on Rear Dorsal D-Ring and Front Webbing Loops
- Fall indicators
- Adjustable shoulder, chest and leg straps
- Shoulder strap have combination buckle and thigh straps are provided automatic buckles for easy adjustment
- Designed for use in fall protection during extended hours of working at height

SPECIFICATION

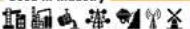
- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability-Adjustable shoulder, chest strap and thigh straps



kgs 1.68 kg $\pm$ 0.01 kg



Used In Industry



3-Point Adjustment



3-Point Attachment



MAGNA 2

FEATURES

- Attachment point on Rear Dorsal D-Ring and Front Webbing Loops
- The sternal attachment textile loops can be attached to a Rope Grab to allow safe anchorage while climbing
- Fall indicators
- Adjustable shoulder, chest, waist and leg straps
- Padded work positioning waist belt with side D-Rings
- Shoulder strap have combination buckle and thigh straps are provided automatic buckles for easy adjustment

SPECIFICATION

- Webbing- Polyester
- Application- FA + WP
- Attachment Points- Dorsal, Sternal, Lateral
- Adjustability-Adjustable shoulder, chest strap, thigh straps, waist belt



kgs 2.50 kg $\pm$ 0.01 kg



AS/NZS 1891.1:2007



Used In Industry



4-Point Adjustment



4-Point Attachment



MAGNA 3

FEATURES

- Rear Dorsal D-Ring, Front Fall Arrest D-Ring and Ventral D-Ring as attachment points
- Lanyard Keepers
- Fall indicators
- Adjustable shoulder, chest and leg straps
- Padded work positioning waist belt with side D-Rings
- Two tool holder loops and an extra bigger handle at the back for keeping extra Karabiners and accessories.
- X-shaped construction wraps to reduce pressure points during prolonged suspension.
- The Karabiner at the front of the Harness enables the wearer to easily wear or remove the Harness by detaching.

SPECIFICATION

- Webbing- Polyester
- Application- FA + WP+RA
- Attachment Points- Dorsal, Sternal, Lateral, Ventral
- Adjustability-Adjustable shoulder, thigh straps, waist belt



M-L



2.30 kg ± 0.01 kg



EN 361:2002
EN 358:2018
EN 813:2008

Used in Industry



MINING SERIES

The KARAM Mining Series of Harnesses have been designed specifically for use in the harsh environmental conditions of the mining industry as its unique hazards demand fall protection equipment and utility belts that are durable, long lasting and multi-functional.

FEATURES

Web Keepers

All end straps are equipped with unique plastic web keepers to give better grip while adjustment

Lanyard Keepers

Specially designed breakaway lanyard keepers for safely attaching and resting a lanyard.

LABEL(A OR A/2)

Denotes attachment point for fall arrest

Padded Belt

Increases support and worker productivity

Tool Belt

Toolbelt to attach Self Rescue Pack and Battery Pack

Tool Holder Loops

Two tool holder loops and a extra bigger handle at the back for keeping extra Karabiners and accessories

Special Webbing

Webbing made of special abrasion resistant material to withstand the harsh condition of mining sector.

Elastic Loops

Specially designed to retain excess straps while adjustment

Sternal Attachment Point

Sternal D-Ring- Located on the chest area of the Harness is used as a front attachment point for fall protection when using a guided type fall arrester while climbing or entering a confined space

Ventral Attachment Point

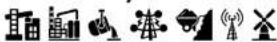
Ventral D-ring- Located in the centre of the waist level of the Harness. It is used for rope access, rescue and many other applications

Lateral Attachment Point

Lateral D-Ring- For attachment with work Positioning Lanyards, to enable the worker to work comfortably, with both his hands free



Used in Industry



PN 41(SP)



4-Point
Adjustment



2-Point
Attachment

FEATURES

- Attachment point on Rear D-Ring
- Lanyard Keepers
- Fall indicators
- Adjustable shoulder, chest and leg straps
- Padded work positioning waist belt with side D-Rings and Toolbelt Ideal to attach Rescue Pack, lamp battery, tools and equipment.
- Sit strap for extended comfort
- Comes with stitched Suspension Intolerance Strap(STS)

SPECIFICATION

- Webbing- Polyester
- Application- FA+WP
- Attachment Points- Dorsal, Sternal, Lateral
- Adjustability-Adjustable shoulder, chest strap, thigh straps and waist belt.



M-L



1.95 kg $\pm$ 0.01 kg



EN 361:2002
EN 358:2018

Used in Industry



PN 56(SP)



3-Point
Adjustment



4-Point
Attachment

FEATURES

- Rear Dorsal D-Ring, Front Fall Arrest D-Ring and Ventral D-Ring as attachment points
- Lanyard Keepers
- Fall indicators
- Adjustable shoulder, chest and leg straps
- Padded work positioning waist belt with side D-Rings and Toolbelt Ideal to attach Rescue Pack, lamp battery, tools and equipment.
- Two tool holder loops and a extra bigger handle at the back for keeping extra Karabiners and accessories.
- X-shaped construction wraps to reduce pressure points during prolonged suspension.

SPECIFICATION

- Webbing- Polyester
- Application- FA + WP+RA
- Attachment Points- Dorsal, Sternal, Lateral, Ventral
- Adjustability-Adjustable shoulder, Chest strap, thigh straps



M-L



2.16 kg $\pm$ 0.01 kg



EN 361:2002
EN 358:2018
EN 813:2008

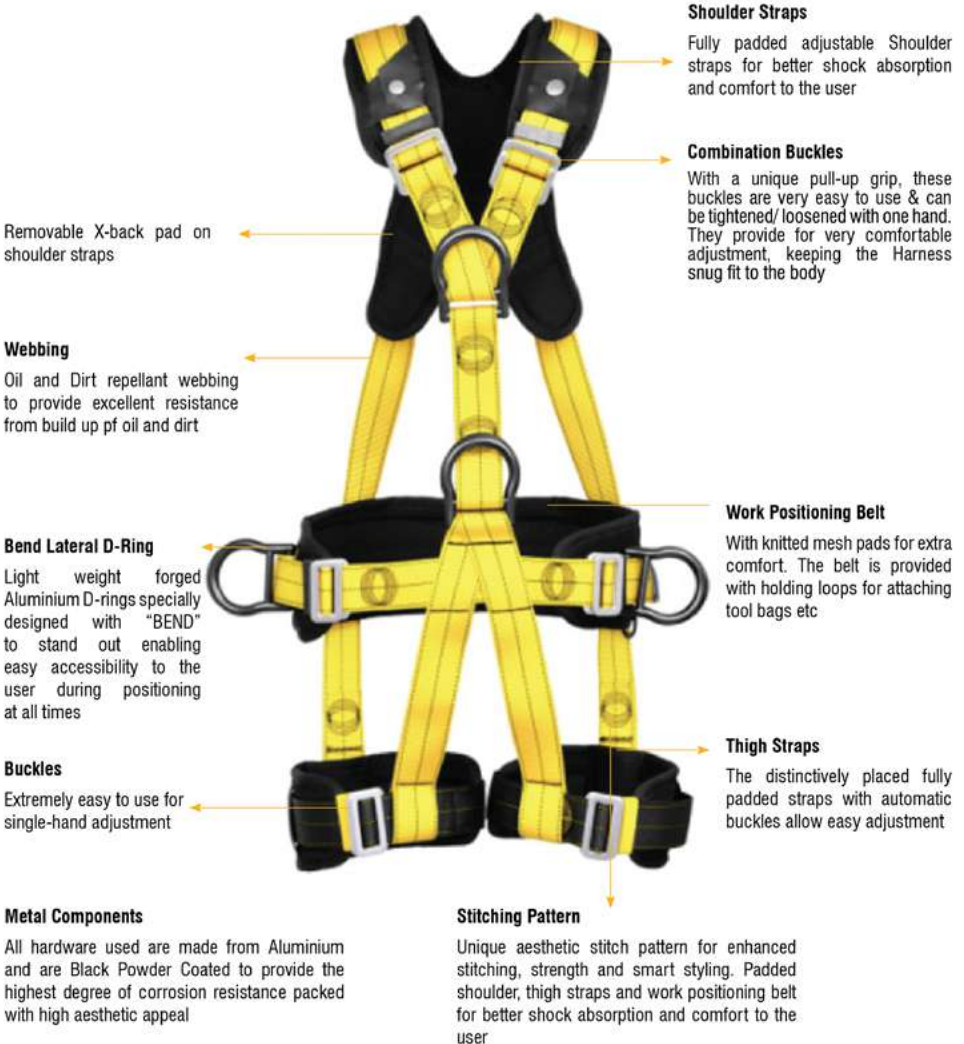
Used in Industry



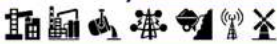
REVOLTA SERIES

The KARAM Revolta Series of Harnesses and Lanyards are constructed from a unique polyester webbing, incorporating special repel technology which has a specialized coating that repels oil, dirt and water.

FEATURES



Used in Industry



All Purpose Harness PN 56(OR)

FEATURES

- Rear Dorsal D-Ring, Front Fall Arrest D-Ring and Ventral D-Ring as attachment points
- Fall indicators
- Adjustable shoulder and leg straps
- Padded work positioning waist belt with side D-Rings
- Two tool holder loops and a extra bigger handle at the back for keeping extra Karabiners and accessories.
- X-shaped construction wraps to reduce pressure points during prolonged suspension.

SPECIFICATION

- Webbing- Endure Coated Polyester webbing
- Application- FA+WP+RA
- Attachment Points- Dorsal, Sternal, Lateral, ventral
- Adjustability- Adjustable shoulder, thigh straps and waist belt. Removable X-back pad on shoulder straps.



M-L



2.56 kg ± 0.01 kg



EN 361:2002
EN 358:2018
EN 813:2008

Used in Industry



3-Point
Adjustment



4-Point
Attachment



Positioning Harness PN 44(OR)

FEATURES

- Attachment points on Rear D-Ring and Front D-Ring
- Lanyard Keepers
- Padded work positioning belt with side D-Rings
- Adjustable shoulder, chest, thigh straps and waist belt

SPECIFICATION

- Webbing- Endure Coated Polyester webbing
- Application- FA+WP
- Attachment Points- Dorsal, Sternal, Lateral
- Adjustability- Adjustable shoulder and thigh-straps. Soft padded work positioning belt gives extreme working comfort and safety.



M-L



2.24 kg ± 0.01 kg



EN 361:2002
EN 358:2018

Used in Industry



4-Point
Adjustment



3-Point
Attachment



Climbers Harness PN 24(OR)



3-Point
Adjustment



2-Point
Attachment

FEATURES

- Attachment points on Rear D-Ring and Front D-Ring
- Adjustable shoulder, chest and leg straps

SEPCIFICATION

- Webbing- Endure Coated Polyester webbing
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability- Adjustable shoulder and thigh-straps



1.46 kg $\pm$ 0.01 kg



EN 361:2002

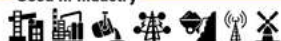
Used in Industry



REVOLTA LANYARDS

KARAM offers repel technology webbing in their range of Lanyards and Pole Strap which provides excellent resistance from build up of oil, dust, dirt and water.

Used in Industry



Pole Strap PN 248(OR)

TECHNICAL SNAPSHOT

Product Code	PN 248(OR)
Material	Polyester Webbing
Anchorage Attachment	Aluminum Snap Hook PN 129
Connecting Attachment	Aluminum Snap Hook PN 129
Webbing width	44.0 mm
Length	2.0 m
Conforms to	EN 358:2018
Weight	0.88 kg



Used in Industry

Expandable Internal Shock Absorbing
Forked Lanyard

PN 371(IS)(A)(OR)

Expandable Internal Shock Absorbing
Lanyard

PN 399(IS)(A)(OR)



TECHNICAL SNAPSHOT

Product Code	PN 371(IS)(A)(OR)	PN 399(IS)(A)(OR)
Material	Polyester tubular Elasticated webbing	Polyester tubular Elasticated webbing
Anchorage Attachment	Aluminium Rebar Hook PN 136	Aluminium Rebar Hook PN 136
Connecting Attachment	Aluminum Snap Hook PN 129	Aluminum Snap Hook PN 129
Webbing Width	44.0 mm	40.0 mm
Expanded Length	2.0 m	2.0 m
Relaxed Length	1.4 m to 1.6 m	1.4 m to 1.6 m
Conforms to	EN 355:2002, EN 354:2010, VG11 RfU, CNB/P/11.063	EN 355:2002, EN 354:2010
Weight	2.04 kg	0.99 kg

NOSPARK SERIES

The revolutionary NOSPARK Range of Harnesses and Lanyards offered by KARAM are antistatic in nature and have been designed to offer the perfect solution for safe working at height in potentially an explosive atmosphere.

FEATURES



The Antistatic components of this range prevent the risk of an Electrostatic Build up and sudden discharge, igniting the explosive atmosphere



Used in Industry



PN 22 (AS)



FEATURES

- Attachment points on Rear D-Ring and Front webbing loops
- Lanyard keepers
- Antistatic webbing prevents the risk of build up of charge
- Adjustable shoulder, chest and leg straps

SPECIFICATION

- Webbing- Antistatic
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability- Adjustable chest, shoulder and thigh straps

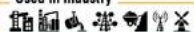


EN 361:2002
EN ISO 80079-36:2016
EN ISO 80079-37:2016



II 2G
ATEX 2014/34/EU

Used in Industry



PN 42(02)(AS)

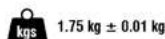


FEATURES

- Attachment points on Rear D-Ring and Front webbing loops
- Lanyard keepers
- Padded work positioning belt with side D-Rings
- Antistatic webbing prevents the risk of build up of charge
- Adjustable shoulder, chest and leg straps

SPECIFICATION

- Webbing- Antistatic
- Application- FA + WP
- Attachment Points- Dorsal, Sternal, Lateral
- Adjustability- Adjustable chest, shoulder and thigh straps

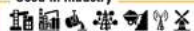


EN 361:2002
EN 358:2018
EN 1149-1:2006
EN 1149-5:2008



II 2G
ATEX 2014/34/EU

Used in Industry



NOSPARK LANYARD

KARAM offers Nospark Single and Forked Fall Arrest Lanyards for safe working at height. In conjunction with the Nospark Harness, the usage of these Lanyards completes a safe antistatic fall protection gear during work at height in hazardous conditions.

Used in Industry



NOSPARK Antistatic E.A. Forked Lanyard

PN 361(AS)



PN 328 (AS)



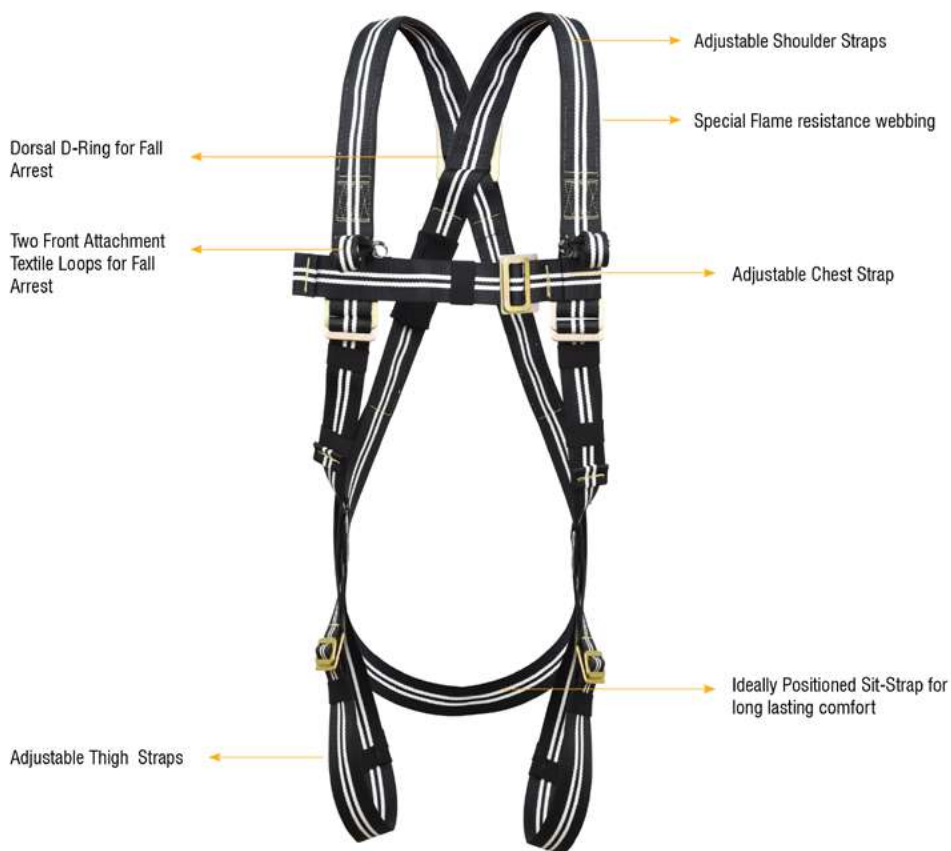
TECHNICAL SNAPSHOT

Product Code	PN 361(AS)	PN 328 (AS)
Material	Antistatic Webbing	Antistatic Webbing
Anchorage Attachment	Aluminium Rebar Hook PN 136	Aluminium Rebar Hook PN 136
Connecting Attachment	Aluminium Karabiner PN 117 with Energy Absorber PN 300(AS)	Aluminium Karabiner PN 117 with Energy Absorber PN 300(AS)
Webbing Width	44.0 mm	44.0 mm
Length	1.5 m, 1.8 m, 2.0 m	2.0 m
Conforms to	EN 355:2002, Atex 2014/34/EU, EN ISO 80079-36:2016, EN ISO 80079 37:2016, Lanyards webbing also tested for surface resistance as per EN 1149-1:2006, EN 1149-5:2008	EN 355:2002, Atex 2014/34/EU, EN ISO 80079-36:2016, EN ISO 80079 37:2016, Lanyards webbing also tested for surface resistance as per EN 1149-1:2006, EN 1149-5:2008
Weight	1.5 meter: 1560 gm $\pm$ 10 gm 1.8 meter: 1620 gm $\pm$ 10 gm 2.0 meter: 1660 gm $\pm$ 10 gm	980 gm $\pm$ 10 gm

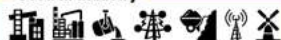
FLANIL SERIES

The Flanil range of KARAM Harnesses and Lanyards has been specially designed for workers engaged in welding and hot working conditions at height. The webbing used in this range is flame resistant and can withstand temperatures of up to 700° F / 371° C without any damage.

FEATURES



Used in Industry



PN 22 (FR)

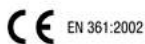


FEATURES

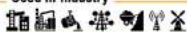
- Attachment points on Rear D-Ring and Front webbing loops
- Adjustable shoulder, chest and leg straps

SPECIFICATION

- Webbing- Flame resistance webbing
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability- Adjustable chest, shoulder and thigh straps.



Used in Industry



PN 42(02)(FR)

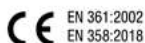


FEATURES

- Attachment points on Rear D-Ring and Front webbing loops
- Padded work positioning belt with side D-Rings
- Adjustable shoulder, chest, waist belt and leg straps

SPECIFICATION

- Webbing- Flame resistance webbing
- Application- FA+WP
- Attachment Points- Dorsal, Sternal, Lateral,
- Adjustability- Adjustable chest, shoulder, waist and thigh straps.



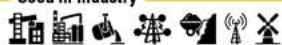
Used in Industry



FLANIL LANYARDS

KARAM also offers Flame Resistant Lanyards that are compatible with Flanil Flame Resistant Full Body Harnesses to ensure complete protection to the workers engaged in welding and during hot working conditions at height.

Used in Industry



Flanil Flame Resistant E.A. Forked Expandable Fall Arrest Lanyard

PN 371(FR)



Flanil Flame Resistant Work Positioning Lanyard With Ring Type Adjuster

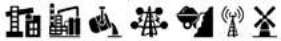
PN 243(FR)



TECHNICAL SNAPSHOT

Product Code	PN 371(FR)	PN 243(FR)
Material	Flame Resistant Elasticated webbing	Flame Resistant webbing
Anchorage Attachment	Steel Scaffold Hooks PN 131(N)	Karabiner PN 112
Connecting Attachment	Karabiner PN 112	Karabiner PN 112
Webbing Width	44.0 mm	44.0 mm
Expanded Length	2.0 m	Length- 2.0 m
Relaxed Length	1.4 m to 1.6m	NA
Conforms to	EN 355:2002, +VG 11/RfU Sheet 63 EN ISO 9150:1988, EN ISO 15025:2002	EN 358:1999, ISO 9150:2018, EN ISO 15025:2002
Weight	1.73 kg	0.59 kg

Used in Industry



Flanil Flame Resistant Restraint Forked Lanyard



Flanil Flame Resistant E.A. Fall Arrest Lanyard



TECHNICAL SNAPSHOT

Product Code	PN 261(FR)	PN 328(FR)
Material	Flame Resistant webbing	Flame Resistant webbing
Anchorage Attachment	Steel Scaffold Hooks PN 131(N)	Steel Scaffold Hook PN 131N
Connecting Attachment	Karabiner PN 112	Karabiner PN 112 with Energy Absorber PN 300 (FR)
Webbing Width	44.0 mm	40.0 mm
Length	1.5 m, 1.8 m, 2.0 m	1.0 m, 1.5 m, 1.8 m, 2.0 m
Conforms to	EN 354:2010, ISO 9150:1988 EN ISO 15025:2002	EN 355:2002, ISO 9150:1988 EN ISO 15025:2002
Weight	1.5 meter: 1690 gm $\pm$ 10 mm 1.8 meter: 1770 gm $\pm$ 10 mm 2.0 meter: 1930 gm $\pm$ 10 mm	1.0 meter: 1050 gm $\pm$ 10 mm 1.5 meter: 1100 gm $\pm$ 10 mm 1.8 meter: 1130 gm $\pm$ 10 mm 2.0 meter: 1150 gm $\pm$ 10 mm

Used in Industry



Flanil Flame Resistant E.A. Fall Arrest Forked Lanyard

PN 361(FR)



Flanil Cross Arm Anchor Strap

Coupled with a Flame Resistant Harness and Lanyard, this Flame Resistant Cross Arm Anchor Strap provides suitable anchorage, completing the entire Flame Resistant Fall Arrest system for a worker.

PN 804(FR)



TECHNICAL SNAPSHOT

Product Code	PN 361(FR)	PN 804(FR)
Material	Flame Resistant webbing	Flame Resistant webbing
Anchorage Attachment	Steel Scaffold Hooks PN 131(N)	Equipped with forged steel D-rings
Connecting Attachment	Karabiner PN 112	Equipped with forged steel D-rings
Webbing Width	44.0 mm	44.0 mm
Length	1.0 m, 1.5 m, 1.8 m, 2.0 m	1.0 m, 1.5 m, 2.0 m
Conforms to	EN 355:2002, +VG 11/RfU Sheet 63 EN ISO 9150:1988, EN ISO 15025:2002	EN 795:2012 Type B, EN ISO 9150:1988, EN ISO 15025:2002
Weight	1.0 m: 1050 gm ± 10 gm 1.5 m: 1100 gm ± 10 gm 1.8 m: 1130 gm ± 10 gm 2.0 m: 1150 gm ± 10 gm	1.0 m: 280 gm ± 10 gm 1.5 m: 310 gm ± 10 gm 2.0 m: 340 gm ± 10 gm

DIENOC SERIES

The Dienoc Range of Harnesses and Lanyards have been specially designed for workers working in conditions where there are possible electrical hazards. The use of a special plastic coating on all D-rings and fittings used in this range of Harnesses and Lanyards are completely electrically insulated.

FEATURES



Used in Industry



PN 22(DE)



FEATURES

- Attachment points on Rear D-Ring and Front webbing loops
- Coated hardware for dielectric property 14kV
- Use of special plastic coated D-rings and all metal adjustment buckles makes it completely electrically insulated.
- Adjustable shoulder, chest and leg straps

SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability-Adjustable shoulder, chest strap and thigh straps



Used in Industry



PN 42(01)(DE)



FEATURES

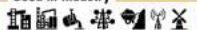
- Attachment points on Rear D-Ring, Lateral and Front webbing loops
- Coated hardware for dielectric property 14kV
- Padded work positioning belt with side D-Rings
- Adjustable shoulder, chest, waist belt and leg straps

SPECIFICATION

- Webbing- Polyester
- Application- FA+WP
- Attachment Points- Dorsal, Sternal, Lateral
- Adjustability-Adjustable shoulder, chest strap, waist belt and thigh straps



Used in Industry



DIENOC LANYARDS

The KARAM range of Dielectric Lanyards equipped with Dielectric Hooks are ideal for use in transmission industry, hence offers full protection against electrical hazard.

Used in Industry



Dienoc E.A. Lanyard

PN 326(30)(DE)



Dienoc E.A. Forked Lanyard

PN 360(30)(DE)



TECHNICAL SNAPSHOT

Product Code	PN 326(30)(DE)	PN 360(30)(DE)
Material	Polyester webbing	Polyester webbing
Anchorage Attachment	Dielectric Hook PN 166	2 Dielectric Hook PN 166
Connecting Attachment	Loop	Loop
Webbing Width	30.0 mm	30.0 mm
Length	1 m, 1.5 m, 1.8 m, 2.0 m	1.5 m, 1.8 m, 2.0 m
Conforms to	EN 355:2002	EN 355:2002, VG11/RfU Sheet 63
Weight	1.0 meter 960 gm $\pm$ 10 gm 1.5-meter 990 gm $\pm$ 10 gm 1.8 meter 1020 gm $\pm$ 10 gm 2.0 meter 1050 gm $\pm$ 10 gm	1.5-meter 1600 gm $\pm$ 10 gm 1.8 meter 1670 gm $\pm$ 10 gm 2.0 meter 1700 gm $\pm$ 10 gm

Used in Industry



Dienoc E.A. Lanyard

PN 329(30)(DE)



Dienoc E.A. Forked Lanyard

PN 361(30)(DE)



TECHNICAL SNAPSHOT

Product Code	PN 329(30)(DE)	PN 361(30)(DE)
Material	Polyester webbing	Polyester webbing
Anchorage Attachment	Dielectric Hook PN 166	2 Dielectric Hook PN 166
Connecting Attachment	Dielectric Snap Hook PN 172	Dielectric Snap Hook PN 172
Webbing Width	30.0 mm	30.0 mm
Length	1 m, 1.5 m, 1.8 m, 2.0 m	1.5 m, 1.8 m, 2.0 m
Conforms to	EN 355:2002	EN 355:2002, VG11/RfU Sheet 63
Weight	1.0-meter 1290 gm $\pm$ 10 gm 1.5-meter 1320 gm $\pm$ 10 gm 1.8 meter 1350 gm $\pm$ 10 gm 2.0 meter 1380 gm $\pm$ 10 gm	1.5-meter 2030 gm $\pm$ 10 gm 1.8 meter 2050 gm $\pm$ 10 gm 2.0 meter 2080 gm $\pm$ 10 gm

VEST HARNESSES SERIES

Equipped with multiple pockets, KARAM Vest Harnesses are specially designed into mesh net vest for tangle free body wear.

FEATURES

Consists of velcro stitched on the D-ring provided at the back of the vest for preventing it from slippage into the vest.

Durable double zipper for adjustable width to suit all sizes.

Metal components made of steel.



Two chest attachment textile loops

Inside pocket for storage of leg straps when not in use.

Multiple pockets for convenient and safe item storage



Used in Industry



PN 20

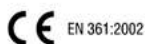


FEATURES

- Attachment points on Rear D-Ring and Front webbing loops
- Adjustable shoulder, chest and leg straps
- Incorporated in multipocket vest for convenient and safe item storage.

SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability-Adjustable shoulder, chest strap and thigh straps



Used in Industry



PN 20(RO) and PN 20(RG)



FEATURES

- Attachment points on Rear D-Ring and Front webbing loops
- Lanyard keepers
- Adjustable shoulder, chest and leg straps
- Incorporated in multipocket vest for convenient and safe item storage.

SPECIFICATION

- Webbing- Polyester
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability-Adjustable shoulder, chest strap and thigh straps



Used in Industry



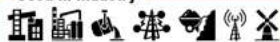
ELASTO SERIES

The KARAM Elasto Range constitutes special stretchable Harnesses designed for total comfort to the wearer. The elastic webbing used in these Harnesses provides for greater freedom of movement. It allows the wearer to twist and flex freely during long hours of work. These Harnesses are an ideal choice for working on transmission towers.

FEATURES



Used in Industry



PN 74



FEATURES

- Attachment points on Rear D-Ring and Front D-Ring
- Adjustable shoulder, chest and leg straps
- The elastic webbing used in these Harnesses provides greater freedom of movement. It allows the wearer to twist and flex freely during long hours of work

SPECIFICATION

- Webbing- Elastic
- Application- FA
- Attachment Points- Dorsal, Sternal
- Adjustability-Adjustable shoulder and thigh straps



1.30kg ± 0.01 kg



EN 361:2002

Used in Industry



PN 94



FEATURES

- Attachment points on Rear D-Ring and Front D-Ring
- Padded work positioning belt with side D-Rings
- Adjustable shoulder, chest and leg straps
- The elastic webbing used in these Harnesses provides greater freedom of movement. It allows the wearer to twist and flex freely during long hours of work

SPECIFICATION

- Webbing- Elastic
- Application- FA+WP
- Attachment Points- Dorsal, Sternal, Lateral
- Adjustability-Adjustable chest, shoulder and thigh straps



1.96kg ± 0.01 kg



EN 361:2002
EN 358:2018

Used in Industry



WORK POSITIONING BELTS

The Work Positioning System comprises of a work positioning belt along with work positioning lanyard. This enables the worker to work at heights in a well supported position with both his hands free. KARAM Work Positioning Belts have a sliding belt on the comfort pad which enables the user to easily position the adjustment buckle of the belt at the centre of his waist for smooth functioning. The Work Positioning Belts and Work Positioning Lanyards, however, should not be used for Fall Protection.

PN 02

FEATURES

- Two lateral attachment D-Ring at waist positioning
- Wider comfort pad made up of insushield with one side air mesh and other side matty cloth
- Waist belt can slide over comfort pad freely
- Equipped with tool holding loops and ring for tool bag holding

Material- Polyester

Application- Fall Arrest

Attachments- Lateral



M-L



0.70 kg $\pm$ 0.01 kg



EN 358:2018

Used in Industry



PN 03

FEATURES

- Two lateral attachment D-Ring at waist positioning
- Wider comfort pad made up of insushield with one side air mesh and other side cadura cloth
- Equipped with ring for tool bag holding

Material- Polyester

Application- Fall Arrest

Attachments- Lateral



M-L



0.70 kg $\pm$ 0.01 kg



EN 358:2018

Used in Industry



Suspension Intolerance Strap STS 01(N)

Used in Industry



FEATURES

- Specially designed to help relieve the negative effects of Suspension Trauma
- Compact and light-weight. Does not hamper the activity of the worker while at work
- Easy to attach to the harness with the help of the textile loop and velcro provided



KARAM provides Harnesses fitted with Suspension Intolerance Straps on request.



STEPS TO USE



Unzip the pouches fitted on both sides of the harness.



Hold the 2 straps together.



connect the straps with each other making a loop with the help of the easy-to-use buckle.



Put your feet into the loop.



Stand onto the loop, so that the thigh straps are free to move.



Adjust the sit strap towards the front to release pressure and give a sitting posture.

Tools Lanyards

Accidents are also known to occur when tools fall from the hand of a worker who is using them while working at a height. KARAM offers Tools Lanyards with improvised elasticated webbing which 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 upto 10kg.

FEATURES

- Made of 20mm wide tubular webbing.
- Provided with a light-weight Karabiner for attachment to the user's belt.
- Relaxed length : 85 cm
- Expanded length : 135 cm

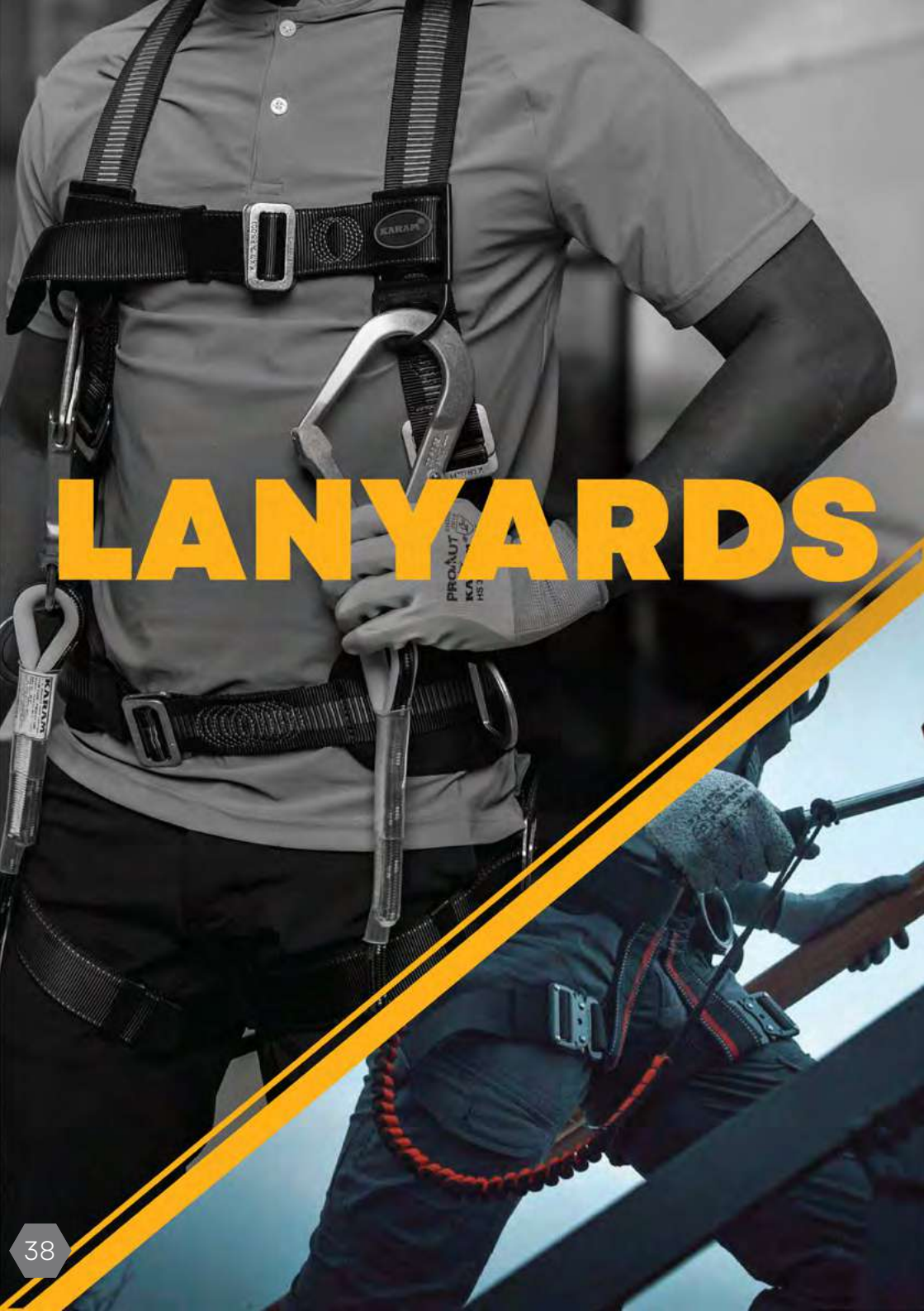


Tools Lanyard TL 01(N)

- Convenient stretch-lanyard for tool holding.

Twin Tools Lanyard TL 02(N)

- Convenient "Y" leg stretch-lanyard for tool holding, allow the user to attach and carry 2 tools.



LANYARDS

Fall Arrest 30mm Webbing Lanyards

KARAM introduces Fall Arrest 30mm Webbing Lanyards made up of 30mm wide polyester webbing from high tenacity polyester yarn. Consists of Energy Absorber to reduce the impact of fall to less than 6kN.

The Loops at the end are provided with an abrasion resistant covering. This prevents the webbing from getting damaged by the metallic contact of the connector.

As these lanyards are made from a webbing, it prevents undue twisting, grime and dust. It is easy to clean and prevents water absorption.

Used in Industry



PN 329(30)N



PN 325(30)



TECHNICAL SNAPSHOT

Product Code	PN 329(30)N	PN 325(30)
Material	Polyester Webbing	Polyester Webbing
Anchorage Attachment	Steel Scaffold Hooks PN 131(N)	Steel Snap Hook PN 124
Connecting Attachment	Steel Snap Hook PN 124	Steel Snap Hook PN 124
Webbing Width	30.0 mm	30.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m	1.0 m to 2.0 m
Certified to	EN 355:2002	EN 355:2002
Weight	1.0 meter: 990 gm $\pm$ 10 gm 1.5 meter: 1030 gm $\pm$ 10 gm 1.8 meter: 1050 gm $\pm$ 10 gm 2.0 meter: 1070 gm $\pm$ 10 gm	1.0 meter: 760 gm $\pm$ 10 gm 1.5 meter: 800 gm $\pm$ 10 gm 1.8 meter: 820 gm $\pm$ 10 gm 2.0 meter: 840 gm $\pm$ 10 gm

Forked Lanyards

KARAM also provides a range of Forked Lanyards that can be used to move up or down, or along the sides while remaining connected at all times.

Consists of Energy Absorber to reduce the impact of fall to less than 6kN.

The Loops at the end are provided with an abrasion resistant covering. This prevents the webbing from getting damaged by the metallic contact of the connector.

As these lanyards are made from a webbing, it prevents undue twisting, grime and dust. It is easy to clean and prevents water absorption.

Used in Industry



PN 361(30)



PN 361(30)N



TECHNICAL SNAPSHOT

Product Code	PN 361(30)	PN 361(30)N
Material	Polyester Webbing	Polyester Webbing
Anchorage Attachment	Steel Snap Hook PN 124	Steel Karabiner PN 112
Connecting Attachment	Steel Snap Hooks PN 124	Steel Scaffold Hooks PN 131N
Webbing Width	30.0 mm	30.0 mm
Length	1.5m, 1.8m, 2.0m	1.5m, 1.8m, 2.0m
Certified to	EN 355:2002, VG 11/RfUCNB/P/11.063	EN 355:2002, VG 11/RfUCNB/P/11.063
Weight	1.5 meter: 1380 gm $\pm$ 10 gm 1.8 meter: 1400 gm $\pm$ 10 gm 2.0 meter: 1430 gm $\pm$ 10 gm	1.5 meter: 1680 gm $\pm$ 10 gm 1.8 meter: 1700 gm $\pm$ 10 gm 2.0 meter: 1730 gm $\pm$ 10 gm

Work Positioning Lanyards

KARAM introduces a range of Work Positioning Lanyards that can be used by the worker to position himself at a height in a safe and supported manner, and work with both hands free. These Lanyards can be connected to the Lateral D-Rings on the Work Positioning Belts or combination Harnesses and can be easily adjusted for their lengths to suit the application.

- Rope is cross stitched and protected with a strong transparent covering sleeve, which not only protects the ends, but also makes the stitches visible for easy inspection prior to use.
- The loop at one end are protected by an abrasion resistant thimble, which prevents the rope from being damaged by the metallic contact of the connector.
- The rope also has a coloured tracer strand which loses its colour in due course of time, indicating that the Lanyard is now unfit for further use.
- Also available with protective covering sleeve (30cm) to protect the rope from abrasion when the Lanyard is used around a structure in the event of work-positioning.

Work Positioning Lanyard With Ring Type Adjuster

PN 241



Work Positioning Lanyard With Grip Adjuster

PN 242



Webbing Work Positioning Lanyard

PN 243



TECHNICAL SNAPSHOT

Product Code	PN 241	PN 242	PN 243
Material	Twisted Rope	Twisted Rope	Polyester webbing
Anchorage Attachment	Steel Karabiner PN 112	Steel Karabiner PN 112	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Karabiner PN 112	Steel Karabiner PN 112
Rope Dia/Webbing Width	14.0 mm	14.0 mm	33.0 mm
Length	2.0 m	2.0 m	2.0 m
Certified to	EN 358:2018	EN 358:2018	EN 358:2018
Rope Grab / Adjuster	Ring type Adjuster	Alloy Steel Non Openable Rope Grab RG 03	Ring Type Adjuster
Weight	0.77 kg	1.13 kg	0.58 kg

Work Positioning Lanyards

Equipped with convenient manual ring type adjuster made of Forged Alloy Steel for easy length adjustment.

Used in Industry



Work Positioning Lanyard With Ring Adjuster

PN 244



PN 244(PR)



Work Positioning Lanyard With Grip Adjuster

PN 245



PN 245(PR)



TECHNICAL SNAPSHOT

Product Code	PN 244	PN 245
Material	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Karabiner PN 112
Rope Dia./ Webbing Width	12.0 mm	12.0 mm
Length	2.0 m	2.0 m
Certified to	EN 358:2018	EN 358:2018
Rope Grab / Adjuster	Ring Type Adjuster	Alloy Steel Non Openable Rope Grab RG 03
Weight	0.725 kg	0.91 kg

Work Positioning Lanyards

Used in Industry



Work Positioning Lanyard With Grip Adjuster

PN 246



Work Positioning Lanyard With Grip Adjuster

PN 247



Work Positioning Lanyard With Grip Adjuster

PN 249



TECHNICAL SNAPSHOT

Product Code	PN 246	PN 247	PN 249
Material	Twisted Rope	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Karabiner PN 112	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112 and Adjuster	Steel Karabiner PN 112	Steel Karabiner PN 112
Rope Dia.	14.0 mm	12.0 mm	11 mm
Length	2.0 m	2.0 m	2.0 m
Certified to	EN 358:2018	EN 358:2018	EN 358:2018
Rope Grab / Adjuster	Alloy Steel Non Openable Rope Grab RG 04	Aluminium Rope Grab Openable Blocker RG 07	Non-Openable Aluminium Alloy Rope Grab RG 09(F)
Weight	1.08 kg	0.915 kg	0.915 kg

Restraint Lanyards

Restraint Lanyards are a part of the Restraint System needed at height.

These lanyards prevent the user from reaching the edge and hence prevent a potential fall from occurring.

Since there is no fall that occurs in a "Fall Restraint System" the Restraint Lanyards do not have any shock absorption element incorporated in them.

It is therefore mandatory to ensure that Fall Restraint Lanyards are never used for the purpose of fall arrest.

Used in Industry



Karam Fall Restraint Lanyards Come in Various Options of Connecting Element :

- Twisted Rope Lanyards
- Kernmantle Rope Lanyards
- Webbing Lanyards
- Expandable Lanyards

KARAM Restraint Lanyards are available in different lengths- 1.0m, 1.5m, 1.8m and 2.0m

KARAM offers all the Lanyards in different configurations of connectors, as per the need of the user.

Type of Lanyards	Prevents Undue Twisting	Prevents Grime and Dust	Light in Weight	With Anti-Aging Tracer Yarn	Easy To Clean	Minimizes Trip Hazards	Prevents water Absorption
Twisted Rope				☒	☒		
Kernmantle Rope	☒	☒	☒	☒	☒		☒
Webbing Lanyards	☒	☒	☒	☒	☒		☒
Expandable Webbing lanyards	☒	☒	☒	☒		☒	☒

Restraint Twisted Rope Lanyards

Used in Industry



PN 203



PN 205



PN 207



TECHNICAL SNAPSHOT

Product Code	PN 203	PN 205	PN 207
Material	Polyamide Twisted Rope	Polyamide Twisted Rope	Polyamide Twisted Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121	Steel Snap Hooks PN 121
Rope Dia.	12.0 mm	12.0 mm	12.0 mm
Length	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m
Certified to	EN 354:2010	EN 354:2010	EN 354:2010
Weight	1.0 meter: 490 gm $\pm$ 10 gm 1.5 meter: 540 gm $\pm$ 10 gm 1.8 meter: 555 gm $\pm$ 10 gm 2.0 meter: 570 gm $\pm$ 10 gm	1.0 meter: 620 gm $\pm$ 10 gm 1.5 meter: 680 gm $\pm$ 10 gm 1.8 meter: 695 gm $\pm$ 10 gm 2.0 meter: 710 gm $\pm$ 10 gm	1.0 meter: 550 gm $\pm$ 10 gm 1.5 meter: 605 gm $\pm$ 10 gm 1.8 meter: 645 gm $\pm$ 10 gm 2.0 meter: 660 gm $\pm$ 10 gm

Restraint Twisted Rope Lanyards

Used in Industry



PN 208N



PN 209N



TECHNICAL SNAPSHOT

Product Code	PN 208N	PN 209N
Material	Polyamide Twisted Rope	Polyamide Twisted Rope
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121
Webbing Width	12.0 mm	12.0 mm
Length	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m
Certified to	EN 354:2010	EN 354:2010
Weight	1.0 meter: 800 gm $\pm$ 10 gm 1.5 meter: 830 gm $\pm$ 10 gm 1.8 meter: 845 gm $\pm$ 10 gm 2.0 meter: 860 gm $\pm$ 10 gm	1.0 meter: 860 gm $\pm$ 10 gm 1.5 meter: 900 gm $\pm$ 10 gm 1.8 meter: 930 gm $\pm$ 10 gm 2.0 meter: 950 gm $\pm$ 10 gm

Restraint Webbing Lanyards (44mm)

Used in Industry



PN 222



PN 225



PN 227

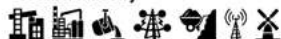


TECHNICAL SNAPSHOT

Product Code	PN 222	PN 225	PN 227
Material	Polyester Webbing	Polyester Webbing	Polyester Webbing
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121	Steel Karabiner PN 112
Connecting Attachment	Textile Loop	Steel Snap Hooks PN 121	Steel Snap Hooks PN 121
Webbing Width	44.0 mm	44.0 mm	44.0 mm
Length	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m
Certified to	EN 354:2010	EN 354:2002	EN 354:2010
Weight	1.0 meter: 300 gm $\pm$ 10 gm 1.5 meter: 340 gm $\pm$ 10 gm 1.8 meter: 360 gm $\pm$ 10 gm 2.0 meter: 385 gm $\pm$ 10 gm	1.0 meter: 540 gm $\pm$ 10 gm 1.5 meter: 575 gm $\pm$ 10 gm 1.8 meter: 600 gm $\pm$ 10 gm 2.0 meter: 620 gm $\pm$ 10 gm	1.0 meter: 540 gm $\pm$ 10 gm 1.5 meter: 570 gm $\pm$ 10 gm 1.8 meter: 590 gm $\pm$ 10 gm 2.0 meter: 610 gm $\pm$ 10 gm

Restraint Webbing Lanyards (44mm)

Used in Industry



PN 228N



PN 229N



TECHNICAL SNAPSHOT

Product Code	PN 228N	PN 229N
Material	Polyester Webbing	Polyester Webbing
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Snap Hook PN 121
Connecting Attachment	Steel Karabiner PN 112	Steel Scaffold Hook PN 131N
Webbing Width	44.0 mm	44.0 mm
Length	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m
Certified to	EN 354:2010	EN 354:2010
Weight	1.0 meter: 770 gm $\pm$ 10 gm 1.5 meter: 825 gm $\pm$ 10 gm 1.8 meter: 840 gm $\pm$ 10 gm 2.0 meter: 880 gm $\pm$ 10 gm	1.0 meter: 830 gm $\pm$ 10 gm 1.5 meter: 890 gm $\pm$ 10 gm 1.8 meter: 910 gm $\pm$ 10 gm 2.0 meter: 940 gm $\pm$ 10 gm

Restraint Kernmantle Rope Lanyards

Used in Industry



PN 283



PN 285



PN 287



TECHNICAL SNAPSHOT

Product Code	PN 283	PN 285	PN 287
Material	Kernmantle Rope	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121	Steel Snap Hooks PN 121
Rope Dia	11.0 mm	11.0 mm	11.0 mm
Length	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m
Certified to	EN 354:2010	EN 354:2010	EN 354:2010
Weight	1.0 meter: 480 gm $\pm$ 10 gm 1.5 meter: 530 gm $\pm$ 10 gm 1.8 meter: 555 gm $\pm$ 10 gm 2.0 meter: 570 gm $\pm$ 10 gm	1.0 meter: 570 gm $\pm$ 10 gm 1.5 meter: 610 gm $\pm$ 10 gm 1.8 meter: 635 gm $\pm$ 10 gm 2.0 meter: 650 gm $\pm$ 10 gm	1.0 meter: 530 gm $\pm$ 10 gm 1.5 meter: 570 gm $\pm$ 10 gm 1.8 meter: 595 gm $\pm$ 10 gm 2.0 meter: 620 gm $\pm$ 10 gm

Restraint Kernmantle Rope Lanyards

Used in Industry



PN 288N



PN 289N



TECHNICAL SNAPSHOT

Product Code	PN 288N	PN 289N
Material	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121
Rope Dia.	11.0 mm	11.0 mm
Length	1.0 m, 1.5 m, 1.8 m, and 2.0 m	1.0 m, 1.5 m, 1.8 m, and 2.0 m
Certified to	EN 354:2010	EN 354:2010
Weight	1.0 meter: 800 gm $\pm$ 10 gm 1.5 meter: 840 gm $\pm$ 10 gm 1.8 meter: 865 gm $\pm$ 10 gm 2.0 meter: 890 gm $\pm$ 10 gm	1.0 meter: 840 gm $\pm$ 10 gm 1.5 meter: 880 gm $\pm$ 10 gm 1.8 meter: 905 gm $\pm$ 10 gm 2.0 meter: 930 gm $\pm$ 10 gm

Restraint Kernmantle Rope Adjustable Lanyards

These lanyards are meant for the user who needs to change the length of his Lanyard to suit the application.

Used in Industry



PN 283(AD)



PN 285(AD)



PN 287(AD)



TECHNICAL SNAPSHOT

Product Code	PN 283(AD)	PN 285(AD)	PN 287(AD)
Material	Kernmantle Rope	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Snap Hook PN 121
Rope Dia.	11.0 mm	11.0 mm	11 mm
Length	2.0 m	2.0 m	2.0 m
Certified to	EN 354:2010	EN 354:2010	EN 354:2010
Weight	0.65 kg	0.72 kg	0.66 kg

Restraint Kernmantle Rope Adjustable Lanyards

Used in Industry



PN 288N(AD)



PN 289N(AD)



TECHNICAL SNAPSHOT

Product Code	PN 288N(AD)	PN 289N(AD)
Material	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121
Rope Dia.	11.0 mm	11.0 mm
Length	2.0 m	2.0 m
Certified to	EN 354:2010	EN 354:2010
Weight	0.93 kg	0.98 kg

Restraint Expandable Lanyards

These Lanyards are ideal for use in conditions where there are chances of the user tripping over the Lanyard.

Used in Industry



PN 293



PN 295

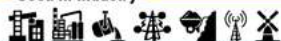


TECHNICAL SNAPSHOT

Product Code	PN 293	PN 295
Material	Polyester tubular webbing	Polyester tubular webbing
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121
Webbing Width	44.0 mm	44.0 mm
Expend Length	2.0 m	2.0 m
Relaxed Length	1.5 m	1.5 m
Certified to	EN 354:2010	EN 354:2010
Weight	0.68 kg	0.78 kg

Restraint Expandable Lanyards

Used in Industry



PN 297



PN 298N



PN 299N



TECHNICAL SNAPSHOT

Product Code	PN 297	PN 298N	PN 299N
Material	Polyester tubular webbing	Polyester tubular webbing	Polyester tubular webbing
Anchorage Attachment	Steel Karabiner PN 112	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Snap Hook PN 121	Steel Karabiner PN 112	Steel Snap Hook PN 121
Webbing Width	44.0 mm	44.0 mm	44.0 mm
Expend Length	2.0 m	2.0 m	2.0 m
Relaxed Length	1.5 m	1.5 m	1.5 m
Certified to	EN 354:2010	EN 354:2010	EN 354:2010
Weight	0.74 kg	1.01 kg	1.05 kg

Restraint Forked Lanyards

These Lanyards are ideal for use in conditions where there are chances of the user tripping over the Lanyard.

Used in Industry



PN 231N



PN 251N



PN 261N



TECHNICAL SNAPSHOT

Product Code	PN 231N	PN 251N	PN 261N
Material	Kernmantle Rope	Polyamide Twisted Rope	Polyester webbing
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Karabiner PN 112	Steel Karabiner PN 112
Rope Dia./ Webbing Width	11.0 mm	12.0 mm	44.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m	1.5 m, 1.8 m and 2.0 m.	1.5 m, 1.8 m and 2.0 m.
Certified to	EN 354:2010	EN 354:2010 VG11/RfU CNB/P/11.063	EN 354:2010 VG11/RfU CNB/P/11.063
Weight	1.5 meter: 1430 gm $\pm$ 10 gm 1.8 meter: 1470 gm $\pm$ 10 gm 2.0 meter: 1510 gm $\pm$ 10 gm	1.5 meter: 1460 gm $\pm$ 10 gm 1.8 meter: 1480 gm $\pm$ 10 gm 2.0 meter: 1500 gm $\pm$ 10 gm	1.5 meter: 1400 gm $\pm$ 10 gm 1.8 meter: 1430 gm $\pm$ 10 gm 2.0 meter: 1480 gm $\pm$ 10 gm

Energy Absorber

The Energy Absorber consists of a special white inner polyamide webbing which absorbs the arresting forces in the event of a fall.

The coloured webbing serves as a back up in PN 300

The clear protective covering helps in easy and fast visual inspection.

Comes with an Impact Indicator which opens up when there is a fall.

Used in Industry



Energy Absorber | PN 300

KARAM Energy Absorber PN 300 is made up of 44mm wide webbing and is shrink wrapped. It reduces the impact of fall to less than 6kN and conforms to EN 355:2002.

The minimum fall clearance distance required when using this energy absorber for a 2m lanyards=6m.



Small Energy Absorber | PN 400

KARAM Energy Absorber PN 400 is smaller and made up of 35mm wide webbing and is shrink wrapped. It is lighter in weight. It reduces the impact of fall to less than 6kN and conforms to EN 355:2002.

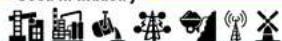
All KARAM range of Fall Arrest lanyards can be provided with this Energy Absorber PN 400.

The minimum fall clearance distance required when using this energy absorber for a 2m lanyards=5.8m.



Energy Absorbing Twisted Rope Lanyards

Used in Industry



PN 303



PN 305



PN 307



PN 308N



TECHNICAL SNAPSHOT

Product Code	PN 303	PN 305	PN 307	PN 308N
Material	Polyamide Twisted Rope	Polyamide Twisted Rope	Polyamide Twisted Rope	Polyamide Twisted Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Karabiner PN 112	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Snap Hook PN 121	Steel Karabiner PN 112
Rope Dia.	12.0 mm	12.0 mm	12.0 mm	12.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.
Certified to	EN 355:2002	EN 355:2002	EN 355:2002	EN 355:2002
Weight	1.0 meter: 690 gm $\pm$ 10 gm 1.5 meter: 730 gm $\pm$ 10 gm 1.8 meter: 755 gm $\pm$ 10 gm 2.0 meter: 780 gm $\pm$ 10 gm	1.0 meter: 760 gm $\pm$ 10 gm 1.5 meter: 800 gm $\pm$ 10 gm 1.8 meter: 825 gm $\pm$ 10 gm 2.0 meter: 840 gm $\pm$ 10 gm	1.0 meter: 730 gm $\pm$ 10 gm 1.5 meter: 770 gm $\pm$ 10 gm 1.8 meter: 795 gm $\pm$ 10 gm 2.0 meter: 815 gm $\pm$ 10 gm	1.0 meter: 1020 gm $\pm$ 10 gm 1.5 meter: 1060 gm $\pm$ 10 gm 1.8 meter: 1080 gm $\pm$ 10 gm 2.0 meter: 1100 gm $\pm$ 10 gm

Energy Absorbing Twisted Rope Lanyards

Used in Industry



PN 309N



PN 311



PN 312



TECHNICAL SNAPSHOT

Product Code	PN 309N	PN 311	PN 312
Material	Polyamide Twisted Rope	Polyamide Twisted Rope	Polyamide Twisted Rope
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Anchorage Hook PN 141	Steel Anchorage Hook PN 141
Connecting Attachment	Steel Snap Hook PN 121	Steel Karabiner PN 112	Steel Snap Hook PN 121
Rope Dia.	12.0 mm	12.0 mm	12.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.
Certified to	EN 355:2002	EN 355:2002	EN 355:2002
Weight	1.0 meter: 1030 gm $\pm$ 10 gm 1.5 meter: 1070 gm $\pm$ 10 gm 1.8 meter: 1095 gm $\pm$ 10 gm 2.0 meter: 1120 gm $\pm$ 10 gm	1.0 meter: 880 gm $\pm$ 10 gm 1.5 meter: 905 gm $\pm$ 10 gm 1.8 meter: 925 gm $\pm$ 10 gm 2.0 meter: 940 gm $\pm$ 10 gm	1.0 meter: 920 gm $\pm$ 10 gm 1.5 meter: 945 gm $\pm$ 10 gm 1.8 meter: 965 gm $\pm$ 10 gm 2.0 meter: 980 gm $\pm$ 10 gm

Energy Absorbing 44mm Webbing Lanyards

Made up of 44 mm wide polyester webbing from high tenacity polyester yarn having different configuration of connectors on the ends.

The loops at the ends are protected by an abrasion resistant covering. This prevents the webbing from being damaged by the metallic contact of the connector.

Used in Industry



PN 323



PN 325



PN 327



PN 328N



TECHNICAL SNAPSHOT

Product Code	PN 323	PN 325	PN 327	PN 328
Material	Polyester Webbing	Polyester Webbing	Polyester Webbing	Polyester Webbing
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 112	Steel Karabiner PN 121	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Snap Hook PN 112	Steel Karabiner PN 112
Webbing Width	44.0 mm	44.0 mm	44.0 mm	44.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.
Certified to	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007
Weight	1.0 meter: 700 gm $\pm$ 10 gm 1.5 meter: 730 gm $\pm$ 10 gm 1.8 meter: 760 gm $\pm$ 10 gm 2.0 meter: 780 gm $\pm$ 10 gm	1.0 meter: 760 gm $\pm$ 10 gm 1.5 meter: 800 gm $\pm$ 10 gm 1.8 meter: 825 gm $\pm$ 10 gm 2.0 meter: 840 gm $\pm$ 10 gm	1.0 meter: 730 gm $\pm$ 10 gm 1.5 meter: 770 gm $\pm$ 10 gm 1.8 meter: 795 gm $\pm$ 10 gm 2.0 meter: 815 gm $\pm$ 10 gm	1.0 meter: 1020 gm $\pm$ 10 gm 1.5 meter: 1060 gm $\pm$ 10 gm 1.8 meter: 1080 gm $\pm$ 10 gm 2.0 meter: 1100 gm $\pm$ 10 gm

Energy Absorbing 44mm Webbing Lanyards

Used in Industry



PN 329N



PN 331



PN 332



TECHNICAL SNAPSHOT

Product Code	PN 329N	PN 331	PN 332
Material	Polyester Webbing	Polyester Webbing	Polyester Webbing
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Anchorage Hook PN 141	Steel Anchorage Hook PN 141
Connecting Attachment	Steel Snap Hook PN 121	Steel Karabiner PN 112	Steel Snap Hook PN 121
Webbing Width	44.0 mm	44.0 mm	44.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.
Certified to	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007
Weight	1.0 meter: 1040 gm $\pm$ 10 gm 1.5 meter: 1070 gm $\pm$ 10 gm 1.8 meter: 1095 gm $\pm$ 10 gm 2.0 meter: 1110 gm $\pm$ 10 gm	1.0 meter: 890 gm $\pm$ 10 gm 1.5 meter: 920 gm $\pm$ 10 gm 1.8 meter: 940 gm $\pm$ 10 gm 2.0 meter: 960 gm $\pm$ 10 gm	1.0 meter: 930 gm $\pm$ 10 gm 1.5 meter: 960 gm $\pm$ 10 gm 1.8 meter: 980 gm $\pm$ 10 gm 2.0 meter: 1000 gm $\pm$ 10 gm

Energy Absorbing Kermantle Rope Lanyards

Made from high quality Kernmantle Rope of diameter 11mm these are cross stitched lanyards and are protected with a strong transparent covering sleeve which not only protects the ends, but also makes the stitches visible for easy inspection prior to use. The loops at the end are protected by an abrasion resistant thimble which prevents the rope from being damaged by the metallic contact of the connector.

Used in Industry



PN 383



PN 385



PN 387



TECHNICAL SNAPSHOT

Product Code	PN 383	PN 385	PN 387
Material	Kernmantle Rope	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Snap Hook PN 121
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Karabiner PN 112
Rope Dia.	11.0 mm	11.0 mm	11.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.
Certified to	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007
Weight	1.0 meter: 750 gm $\pm$ 10 gm 1.5 meter: 790 gm $\pm$ 10 gm 1.8 meter: 810 gm $\pm$ 10 gm 2.0 meter: 830 gm $\pm$ 10 gm	1.0 meter: 770 gm $\pm$ 10 gm 1.5 meter: 810 gm $\pm$ 10 gm 1.8 meter: 830 gm $\pm$ 10 gm 2.0 meter: 850 gm $\pm$ 10 gm	1.0 meter: 760 gm $\pm$ 10 gm 1.5 meter: 800 gm $\pm$ 10 gm 1.8 meter: 820 gm $\pm$ 10 gm 2.0 meter: 840 gm $\pm$ 10 gm

Energy Absorbing Kermantle Rope Lanyards

Used in Industry



PN 388N



PN 389N



TECHNICAL SNAPSHOT

Product Code	PN 388N	PN 389N
Material	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121
Rope Dia.	11.0 mm	11.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.
Certified to	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007
Weight	1.0 meter: 1040 gm $\pm$ 10 gm 1.5 meter: 1080 gm $\pm$ 10 gm 1.8 meter: 1100 gm $\pm$ 10 gm 2.0 meter: 1120 gm $\pm$ 10 gm	1.0 meter: 1060 gm $\pm$ 10 gm 1.5 meter: 1100 gm $\pm$ 10 gm 1.8 meter: 1120 gm $\pm$ 10 gm 2.0 meter: 1140 gm $\pm$ 10 gm

Energy Absorbing Kernmantle Rope Adjustable Lanyards

Made up of Kernmantle Rope of 11mm diameter, these lanyards consist of a metal adjuster to adjust their length.

They are cross stitched and are protected with a strong transparent covering sleeve, which not only protects the ends, but also makes the stitches visible for easy inspection prior to use.

Used in Industry



PN 383(AD)



PN 385(AD)



PN 387(AD)



TECHNICAL SNAPSHOT

Product Code	PN 383(AD)	PN 385(AD)	PN 387(AD)
Material	Kernmantle Rope	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Snap Hook PN 121
Rope Dia.	11.0 mm	11.0 mm	11.0 mm
Adjustable Length	2.0 m	2.0 m	2.0 m
Certified to	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007
Weight	0.90 kg	1.0 kg	0.96 kg

Energy Absorbing Kermantle Rope Adjustable Lanyards

Used in Industry



PN 388N(AD)



PN 389N(AD)



TECHNICAL SNAPSHOT

Product Code	PN 388N(AD)	PN 389N(AD)
Material	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121
Rope Dia.	11.0 mm	11.0 mm
Length	2.0 m	2.0 m
Certified to	EN 355:2002 and AS/NZS 1891.1:2007	EN 355:2002 and AS/NZS 1891.1:2007
Weight	1.23 kg	1.28 kg

Energy Absorbing Kermantle Edge Safe Lanyards

KARAM offers an exclusive Edge Safe Range of Lanyards particularly meant for providing protection to the user when working near SHARP EDGES specially on terrace roofs.

Used in Industry



PN 383(SE)



PN 385(SE)



PN 387(SE)



TECHNICAL SNAPSHOT

Product Code	PN 383(SE)	PN 385(SE)	PN 387(SE)
Material	Kernmantle Rope	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Snap Hook PN 121
Rope Dia.	11.0 mm	11.0 mm	11.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.
Certified to	EN 355:2002 and VG 11 RfU CNB/P/11.074	EN 355:2002 and VG 11 RfU CNB/P/11.074	EN 355:2002 and VG 11 RfU CNB/P/11.074
Weight	1.0 meter: 750 gm $\pm$ 10 gm 1.5 meter: 790 gm $\pm$ 10 gm 1.8 meter: 810 gm $\pm$ 10 gm 2.0 meter: 830 gm $\pm$ 10 gm	1.0 meter: 770 gm $\pm$ 10 gm 1.5 meter: 810 gm $\pm$ 10 gm 1.8 meter: 830 gm $\pm$ 10 gm 2.0 meter: 850 gm $\pm$ 10 gm	1.0 meter: 760 gm $\pm$ 10 gm 1.5 meter: 800 gm $\pm$ 10 gm 1.8 meter: 820 gm $\pm$ 10 gm 2.0 meter: 840 gm $\pm$ 10 gm

Energy Absorbing Kermantle Edge Safe Lanyards

Used in Industry



PN 388N(SE)



PN 389N(SE)



TECHNICAL SNAPSHOT

Product Code	PN 388N(SE)	PN 389N(SE)
Material	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121
Rope Dia.	11.0 mm	11.0 mm
Length	1.0 m, 1.5 m, 1.8 m and 2.0 m.	1.0 m, 1.5 m, 1.8 m and 2.0 m.
Certified to	EN 355:2002 and VG 11 RfU CNB/P/11.074	EN 355:2002 and VG 11 RfU CNB/P/11.074
Weight	1.0 meter: 1040 gm $\pm$ 10 gm 1.5 meter: 1080 gm $\pm$ 10 gm 1.8 meter: 1100 gm $\pm$ 10 gm 2.0 meter: 1120 gm $\pm$ 10 gm	1.0 meter: 1060 gm $\pm$ 10 gm 1.5 meter: 1100 gm $\pm$ 10 gm 1.8 meter: 1120 gm $\pm$ 10 gm 2.0 meter: 1140 gm $\pm$ 10 gm

Energy Absorbing Expandable Webbing Lanyards

These Lanyards are ideal for use in conditions where there are chances of the user tripping over the Lanyard. Elastic nature of the Lanyard reduces the actual effective length of the Lanyard thereby reducing trip hazards.

The Lanyards are made with 44mm wide elasticated webbing incorporated for contracting property. The Loops at the ends are protected by an abrasion resistant covering. This prevents the webbing from being damaged by metallic contact of connector.

Used in Industry



PN 393



PN 395



PN 397



TECHNICAL SNAPSHOT

Product Code	PN 393	PN 395	PN 397
Material	Elasticated webbing	Elasticated webbing	Elasticated webbing
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Snap Hook PN 121
Webbing Width	44.0 mm	44.0 mm	44.0 mm
Expanded Length	2.0 mm	2.0 mm	2.0 mm
Relaxed Length	1.5 m	1.5 m	1.5 m
Certified to	EN 355:2002, VG11/RfU CNB/P/11.062 and AS/NZS 1891.1:2007	EN 355:2002, VG11/RfU CNB/P/11.062 and AS/NZS 1891.1:2007	EN 355:2002, VG11/RfU CNB/P/11.062 and AS/NZS 1891.1:2007
Weight	0.74 kg	0.83 kg	0.79 kg

Energy Absorbing Expandable Webbing Lanyards

Used in Industry



PN 398N



PN 399N



TECHNICAL SNAPSHOT

Product Code	PN 398N	PN 399N
Material	Elasticated webbing	Elasticated webbing
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121
Webbing Width	44.0 mm	44.0 mm
Expend Length	2.0 mm	2.0 mm
Relaxed Length	1.5 m	1.5 m
Certified to	EN 355:2002, VG11/RfU CNB/P/11.062 and AS/NZS 1891.1:2007	EN 355:2002, VG11/RfU CNB/P/11.062 and AS/NZS 1891.1:2007
Weight	1.07 kg	1.11 kg

Energy Absorbing Expandable Webbing Edge Safe Lanyards

KARAM introduces an exclusive Edge Safe Range of Expandable Webbing Lanyards for reducing trip hazards and providing protection to the user when working near sharp edges.

Used in Industry



PN 393(SE)



PN 395(SE)



PN 397(SE)



TECHNICAL SNAPSHOT

Product Code	PN 393(SE)	PN 395(SE)	PN 397(SE)
Material	Elasticated webbing	Elasticated webbing	Elasticated webbing
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Snap Hook PN 121
Webbing Width	40.0 mm	40.0 mm	40.0 mm
Expanded Length	2.0 mm	2.0 mm	2.0 mm
Relaxed Length	1.5 m	1.5 m	1.5 m
Certified to	EN 355:2002, EN 354:2010, VG 11/RfU CNB/P/11.062 and VG 11/RfU CNB/P/11.074	EN 355:2002, EN 354:2010, VG 11/RfU CNB/P/11.062 and VG 11/RfU CNB/P/11.074	EN 355:2002, EN 354:2010, VG 11/RfU CNB/P/11.062 and VG 11/RfU CNB/P/11.074
Weight	0.74 kg	0.83 kg	0.79 kg

Energy Absorbing Expandable Webbing Edge Safe Lanyards

Used in Industry



PN 398N(SE)



PN 399N(SE)



TECHNICAL SNAPSHOT

Product Code	PN 398N(SE)	PN 399N(SE)
Material	Elasticated webbing	Elasticated webbing
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121
Webbing Width	40.0 mm	40.0 mm
Expend Length	2.0 mm	2.0 mm
Relaxed Length	1.5 m	1.5 m
Certified to	EN 355:2002, EN 354:2010, VG 11/RfU CNB/P/11.062 and VG 11/RfU CNB/P/11.074	EN 355:2002, EN 354:2010, VG 11/RfU CNB/P/11.062 and VG 11/RfU CNB/P/11.074
Weight	1.07 kg	1.11 kg

Internal Shock Absorbing Expandable Lanyards

These Lanyards come with Energy Absorption feature incorporated within their core. They do not require any additional Energy Absorber Pack, hence are lighter in weight. These are ideal for use in conditions where there are chances of the user tripping over the Lanyard. The Elastic nature of the Lanyard reduces the actual effective length of the Lanyard thereby reducing trip hazards.

Used in Industry



PN 393(IS)



PN 395(IS)



PN 397(IS)



TECHNICAL SNAPSHOT

Product Code	PN 393(IS)	PN 395(IS)	PN 397(IS)
Material	Polyester tubular	Polyester tubular	Polyester tubular
Anchorage Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121	Steel Karabiner PN 112
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hooks PN 121	Steel Snap Hook PN 121
Webbing Width	44.0 mm	44.0 mm	44.0 mm
Expend Length	2.0 mm	2.0 mm	2.0 mm
Relaxed Length	1.4 m to 1.6 m	1.4 m to 1.6 m	1.4 m to 1.6 m
Certified to	EN 355:2002, EN 354:2010 and VG 11 RfU CNB/P/11.062	EN 355:2002, EN 354:2010 and VG 11 RfU CNB/P/11.062	EN 355:2002, EN 354:2010 and VG 11 RfU CNB/P/11.062
Weight	0.57 kg	0.65 kg	0.61 kg

Internal Shock Absorbing Expandable Lanyards

Used in Industry



PN 398N(IS)



PN 399N(IS)



TECHNICAL SNAPSHOT

Product Code	PN 398N(IS)	PN 399N(IS)
Material	Polyester tubular	Polyester tubular
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook 121
Webbing Width	44.0 mm	44.0 mm
Expend Length	2.0 mm	2.0 mm
Relaxed Length	1.4 m to 1.6 m	1.4 m to 1.6 m
Certified to	EN 355:2002, EN 354:2010 and VG 11 RfU CNB/P/11.062	EN 355:2002, EN 354:2010 and VG 11 RfU CNB/P/11.062
Weight	0.86 kg	0.92 kg

Forked Lanyard with Energy Absorber

Used in Industry



PN 341N



PN 341N (AD)



PN 351N

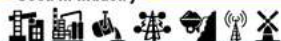


TECHNICAL SNAPSHOT

Product Code	PN 341N	PN 341N(AD)	PN 351N
Material	Kernmantle Rope	Kernmantle Rope	Kernmantle Rope
Anchorage Attachment	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N	Steel Scaffold Hook PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Snap Hook PN 121	Steel Karabiner PN 112
Rope Dia.	11.0 mm	11.0 mm	12.0 mm
Length	1.5 m, 1.8 m and 2.0 m	1.5 m, 1.8 m and 2.0 m	1.5 m, 1.8 m and 2.0 m
Certified to	EN 355:2002, AS/NZS 1891.1:2007 VG11/RfU CNB/P/11.063	EN 355:2002, AS/NZS 1891.1:2007 VG11/RfU CNB/P/11.063	EN 355:2002, AS/NZS 1891.1:2007 VG11/RfU CNB/P/11.063
Weight	1.5 meter: 1880 gm $\pm$ 10 gm 1.8 meter: 1930 gm $\pm$ 10 gm 2.0 meter: 1980 gm $\pm$ 10 gm	1.5 meter: 1930 gm $\pm$ 10 gm 1.8 meter: 1980 gm $\pm$ 10 gm 2.0 meter: 2020 gm $\pm$ 10 gm	1.5 meter: 1900 gm $\pm$ 10 gm 1.8 meter: 1950 gm $\pm$ 10 gm 2.0 meter: 1990 gm $\pm$ 10 gm

Forked Lanyard with Energy Absorber

Used in Industry



PN 361N



PN 371N



TECHNICAL SNAPSHOT

Product Code	PN 361N	PN 371N
Material	Polyester Webbing	Polyester Tubular Webbing
Anchorage Attachment	Steel scaffold hooks PN 131N	Steel scaffold hooks PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Karabiner PN 112
Webbing Width	44.0 mm	44.0 mm
Length	1.5 m, 1.8 m and 2.0 m	Relaxed Length = 1.4m to 1.6m, Expanded Length = 2.0m.
Certified to	EN 355:2002, AS/NZS 1891.1:2007 VG11/RfU CNB/P/11.063	EN 355:2002, AS/NZS 1891.1:2007 VG11/RfU CNB/P/11.063
Weight	1.5 meter: 1700 gm $\pm$ 10 gm 1.8 meter: 1730 gm $\pm$ 10 gm 2.0 meter: 1760 gm $\pm$ 10 gm	1800 gm $\pm$ 10 gm

Sharp Edge Tested Forked Lanyard

KARAM offers Edge Safe Tested Forked Lanyards specifically meant for the users working on sharp edges.

These Lanyards offer the facility to move in all directions while safely remaining anchored at all times.

Used in Industry



PN 341N(SE)



PN 371N(SE)



TECHNICAL SNAPSHOT

Product Code	PN 341N(SE)	PN 371N(SE)
Material	Kernmantle Rope	Polyester Tubular Webbing
Anchorage Attachment	Steel scaffold hooks PN 131N	Steel scaffold hooks PN 131N
Connecting Attachment	Steel Karabiner PN 112	Steel Karabiner PN 112
Rope Dia./Webbing Width	11.0 mm	44.0 mm
Length	1.5 m, 1.8 m and 2.0 m	Relaxed Length = 1.4m to 1.6m, Expanded Length = 2.0m.
Certified to	EN 355:2002 VG11/RfU CNB/P/11.063 VG11/RfU CNB/P/11.074	EN 355:2002, EN 354: 2010 VG11 RfU CNB/P/11.062, VG11 RfU CNB/P/11.063 VG11 RfU CNB/P/11.074
Weight	1.5 meter: 1880 gm $\pm$ 10 gm 1.8 meter: 1930 gm $\pm$ 10 gm 2.0 meter: 1980 gm $\pm$ 10 gm	1800 gm $\pm$ 10 gm

Expandable Internal Shock Absorbing Forked Lanyard

Used in Industry

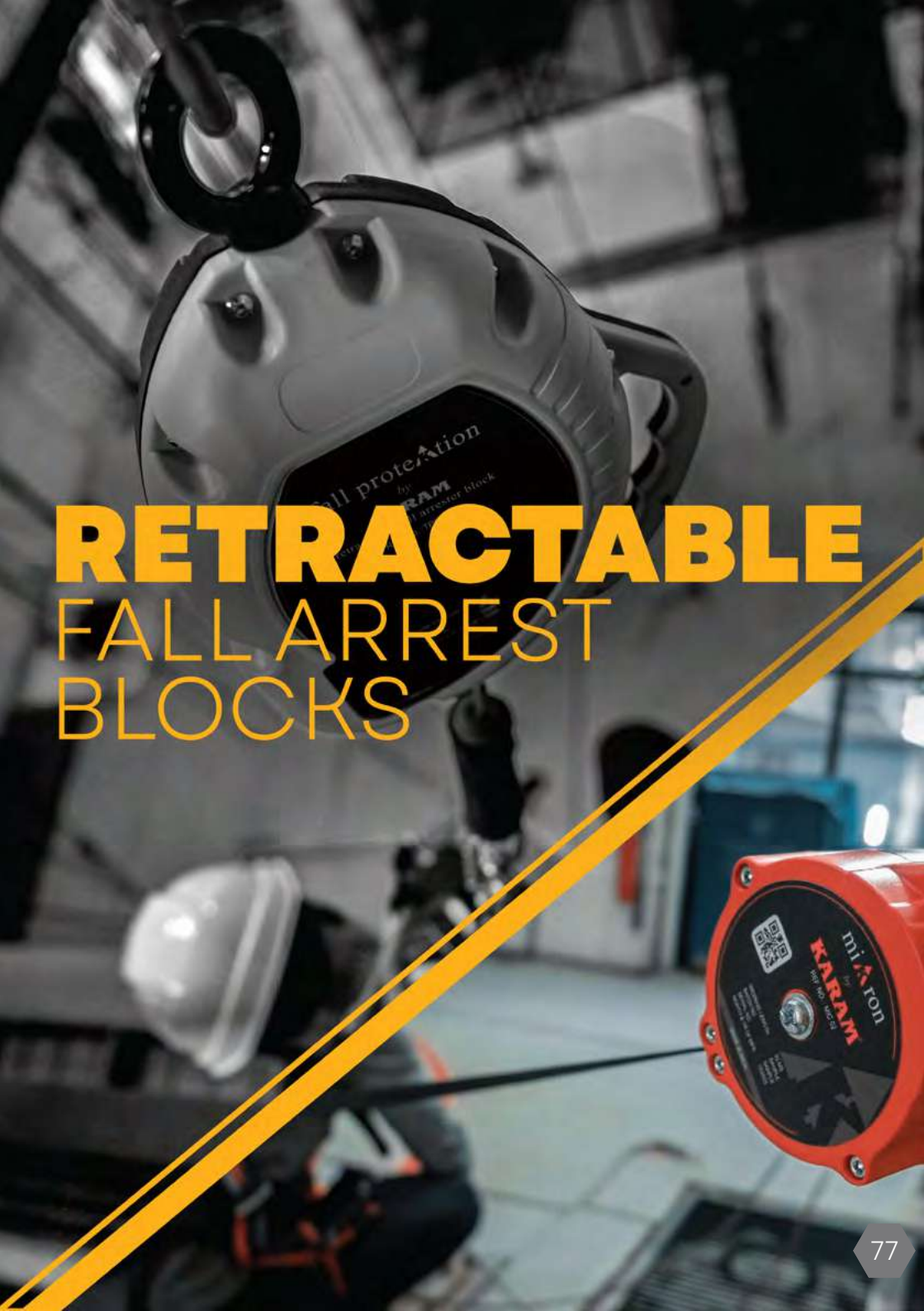


PN 371N(IS)



TECHNICAL SNAPSHOT

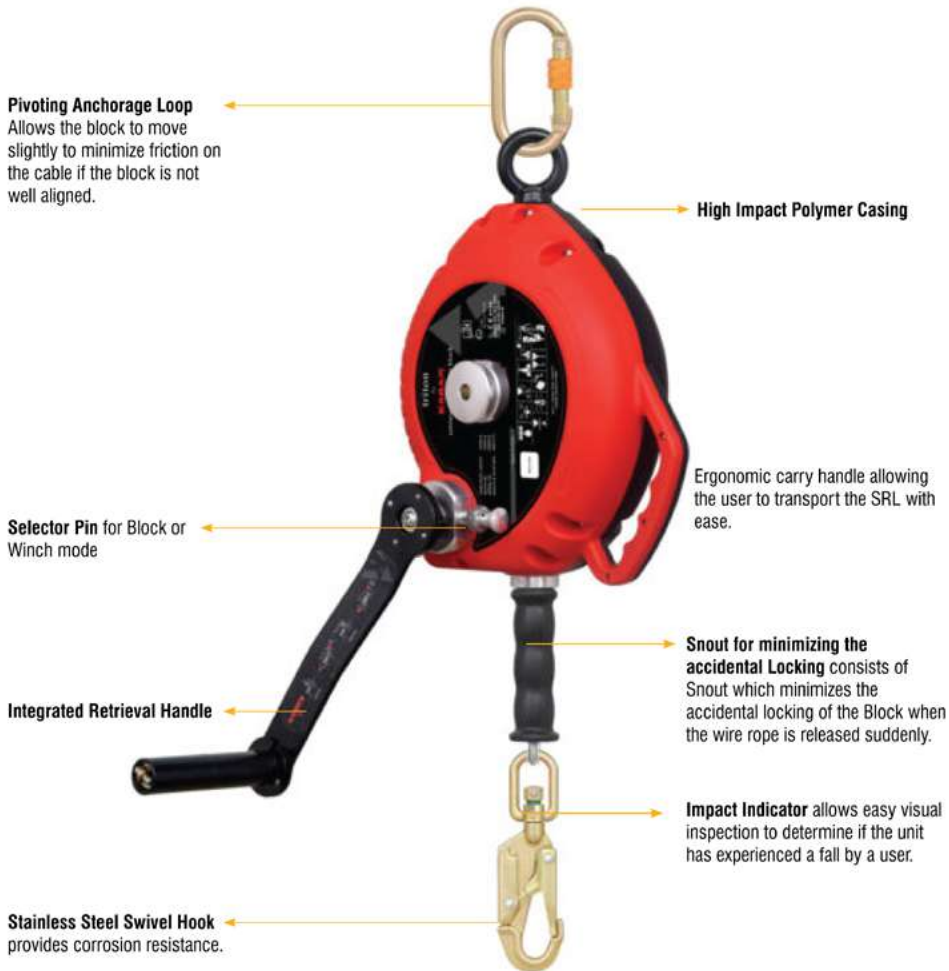
Product Code	PN 371N(IS)
Material	Polyester Tubular Webbing
Anchorage Attachment	Steel scaffold hooks PN 131N
Connecting Attachment	Steel Karabiner PN 112
Webbing Width	44.0 mm
Length	Relaxed Length = 1.4m to 1.6m, Expanded Length = 2.0m.
Certified to	EN 355:2002, EN 354:2010 VG11 RfU CNB/P/11.062 VG11 RfU CNB/P/11.063
Weight	1800 gm $\pm$ 10 gm



RETRACTABLE FALL ARREST BLOCKS

KARAM offers a full range of Self-Retracting lifelines & Rescue Retrieval solutions to meet the users requirement ensuring all variety of applications are covered. Whether the user is working in Construction, Utilities, Offshore, Maintenance or General industry and the installation is overhead, at foot-level or personally attached to the harness, Micron™ and KARAM™ SRLs & Retrievals provide durable performance and reliability.

FEATURES



KARAM Sealed Blocks

Used in Industry

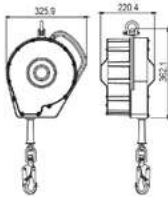


The KARAM range of Sealed Blocks are designed specifically for the most extreme environments. The heavy duty sealed design, corrosion resistant material used in the Block ensures the critical working components are kept free of dirt, grease, water, and chemicals. Ideally suited for Oil and Gas, Sewage Plants and all Offshore areas.

- 4.5mm Diameter Retractable Stainless Steel Wire Rope provides corrosion resistance.
- Quick Lifeline Assembly- The only non-sealed portion of the block can easily be changed on site by a competent person. The wire rope can be changed quickly and easily with minimum tools.
- Sealed Design (meets IP68 Level of IEC 60529) All critical parts of the block are sealed from contamination thereby increasing its reliability in harsh conditions.

SLBL 30

Ergonomic carry handle allowing the user to transport the SRL with ease.



Included with



Pivoting Anchorage Loop Allows the block to move slightly to minimize friction on the cable if the block is not well aligned.

Stainless Steel Cover for maximum durability in harsh environments.

Snout for minimizing the accidental Locking consists of Snout which minimizes the accidental locking of the Block when the wire rope is released suddenly.

Impact Indicator allows easy visual inspection to determine if the unit has experienced a fall by a user.

Stainless Steel Swivel Hook provides corrosion resistance.

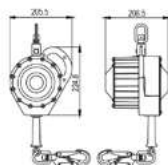
Wire Rope Length 30m

TECHNICAL SNAPSHOT

Product Code	SLBL 30
Material of Casing	Polymer & Stainless Steel Casing
Material and Dia of Lifeline	Stainless steel wire rope Ø4.5mm
Breaking Strength	15kN
Attachment End	Stainless steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner
Weight	17.0 kg ± 0.10 kg
Conforms to	IP68 Level of IEC 60529
Certified to	EN 360:2002 and ATEX 2014/34/EU

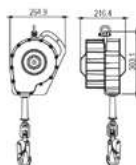
KARAM Sealed Blocks

SLBL 10



Wire Rope Length 10m

SLBL 20



Wire Rope Length 20m

Used in Industry



Included with all SRL's above 5m



TECHNICAL SNAPSHOT

Product Code	SLBL 10	SLBL 20
Material of Casing	Polymer & Stainless Steel Casing	Polymer & Stainless Steel Casing
Material and Dia of Lifeline	Stainless steel wire rope Ø4.5mm	Stainless steel wire rope Ø4.5mm
Breaking Strength	15kN	15kN
Attachment End	Stainless steel swivel snap hook	Stainless steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Weight	7.36 kg ± 0.10 kg	11.6 kg ± 0.10 kg
Certification	EN 360:2002 & IP68 Level of IEC 60529 ATEX 2014/34/EU	EN 360:2002 & IP68 Level of IEC 60529 ATEX 2014/34/EU

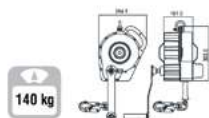
KARAM Sealed 3 Way Retrievals

KARAM Sealed Rescue Retrieval SRL's have been specially designed to use both as standard SRL and a Rescue Retrieval Type 3 SRL. These Blocks can be activated into winch mode, raising or lowering a user to safety. They can be easily mounted on the KARAM Extreme Davits and Tripods.

Used in Industry

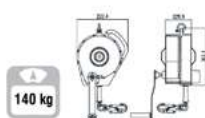


SLBL 20R



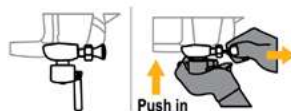
Wire Rope Length 20m

SLBL 30R



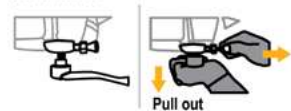
Wire Rope Length 30m

Block Mode



Pull the pin and push the Handle to reverse in Block mode

Winch Mode



Pull the pin and handle to shift to Winch Mode

Included with all SRL's above 5m



TECHNICAL SNAPSHOT

Product Code	SLBL 20R	SLBL 30R
Material of Casing	Polymer & Stainless Steel Casing	Polymer & Stainless Steel Casing
Material and Dia of Lifeline	Stainless steel wire rope Ø4.5mm	Stainless steel wire rope Ø4.5mm
Breaking Strength	15kN	15kN
Attachment End	Stainless steel swivel snap hook	Stainless steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Weight	13.14 kg ± 0.10 kg	19.30 kg ± 0.10 kg
Certification	EN 360:2002 & IP68 Level of IEC 60529, EN 1496:2017 Class B ATEX 2014/34/EU	EN 360:2002 & IP68 Level of IEC 60529, EN 1496:2017 Class B ATEX 2014/34/EU

KARAM Retrieval Retractable Blocks

KARAM offers a unique range of Retrieval Fall Arrest Blocks to enable easy retrieval of a victim of fall. These Blocks allow the fall to arrest and also allow easy hoist of the victim with the help of their inbuilt Winch mechanism when mounted on Megapod, Tripod, K-Pod using specialized brackets, etc

Used in Industry

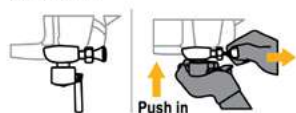


PCGS 20R(N)



Wire Rope Length 20m

Block Mode



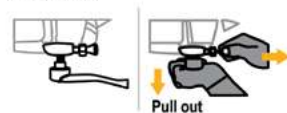
Pull the pin and push the Handle to reverse in Block mode

PCGS 25R



Wire Rope Length 25m

Winch Mode



Pull the pin and handle to shift to Winch Mode

PCGS 30R



Wire Rope Length 30m

Included with all SRL's above 5m



TECHNICAL SNAPSHOT

Product Code	PCGS 20R(N)	PCGS 25R	PCGS 30R
Material of Casing	High Impact Polymer Casing	High Impact polymer Casing	High Impact polymer Casing
Material and Dia of Lifeline	Galvanized steel wire rope Ø4.5mm	Galvanized steel wire rope Ø4.5mm	Galvanized steel wire rope Ø4.5mm
Breaking Strength	15kN	15kN	15kN
Attachment End	Steel swivel snap hook	Steel swivel snap hook	Steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Weight	8.24 kg ± 0.10 kg	14.36 kg ± 0.10 kg	14.76 kg ± 0.10 kg

Certification

EN 360:2002 & EN 1496:2017
Class B & ATEX 2014/34/EU

EN 360:2002 & EN 1496:2017
Class B & ATEX 2014/34/EU

EN 360:2002 & EN 1496:2017
Class B & ATEX 2014/34/EU

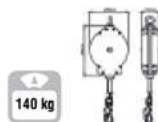
KARAM Kore Blocks And Retrieval With Synthetic Rope Retractable Lanyard

These Blocks have been specially designed for workers working in areas having high temperature, offshore, and in areas with an acidic environment. Their casing is made up of high impact strength polymer to prevent breakage and cannot be damaged easily.

Used in Industry

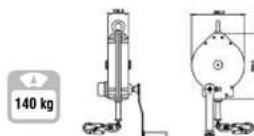


PCSR 18



Wire Rope Length 18m

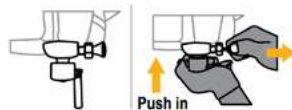
PCSR 18R



Wire Rope Length 18m

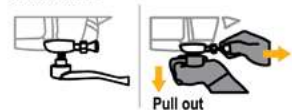
For PCSR18R it is easy to shift to winch mode from Block mode (and vice versa) following the below steps

Block Mode



Pull the pin and push the Handle to reverse in Block mode

Winch Mode



Pull the pin and handle to shift to Winch Mode

Included with all SRL's above 5m



TECHNICAL SNAPSHOT

Product Code	PCSR 18	PCSR18R
Material of Casing	High Impact Strength Polymer	High Impact Strength Polymer
Material and Dia of Lifeline	Abrasion resistant textile rope of Ø6.0mm	Abrasion resistant textile rope of Ø6.0mm
Breaking Strength	15kN	15kN
Attachment End	Steel swivel snap hook	Steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Weight	9.92 kg ± 0.10 kg	14.08 kg ± 0.10 kg
Certification	EN 360:2002	EN 360:2002, EN 1496:2017 Class B ATEX 2014/34/EU

KARAM SRLs

The KARAM Range of SRL's are Light weight, Compact and Robust allowing the user Reliability and Safety when working at height. Available in Galvanised Steel, Stainless Steel and High Performance Webbing.

Used in Industry



KARAM SRLs (Wire Rope)

TPGS 3.5

Wire Rope Length 3.5m

TPGS 3.5	2.23 kg ± 0.10 kg
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TPGS 05-07

Wire Rope Length 5.0m-7.0m

TPGS 05	2.80 kg ± 0.10 kg
TPGS 06	2.88 kg ± 0.10 kg
TPGS 07	3.96 kg ± 0.10 kg

Included with all SRL's above 5m

TECHNICAL SNAPSHOT

Product Code	TPGS 3.5	TPGS 05-07
Material of Casing	High Impact polymer Casing	High Impact polymer Casing
Material and Dia of Lifeline	Galvanized steel wire rope Ø4.5mm	Galvanized steel wire rope Ø4.5mm
Breaking Strength	15kN	15kN
Attachment End	Steel swivel snap hook	Steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Certification	EN 360:2002 & ATEX 2014/34/EU	EN 360:2002 & ATEX 2014/34/EU

KARAM SRLs (Wire Rope)

Used in Industry



TPGS 7.5-10



Wire Rope Length 7.5m-10m

TPGS 7.5	4.04 kg $\pm$ 0.10 kg
TPGS 10	4.28 kg $\pm$ 0.10 kg

TPGS 12-20



Wire Rope Length 12m-20m

TPGS 12	5.41 kg $\pm$ 0.10 kg
TPGS 15	5.65 kg $\pm$ 0.10 kg
TPGS 18	5.89 kg $\pm$ 0.10 kg
TPGS 20	6.05 kg $\pm$ 0.10 kg

TPGS 25-30



Wire Rope Length 25m-30m

TPGS 25	12.72 kg $\pm$ 0.10 kg
TPGS 30	13.12 kg $\pm$ 0.10 kg

Included with all SRL's
above 5m



TECHNICAL SNAPSHOT

Product Code	TPGS 7.5-10	TPGS 12-20	TPGS 25-30
Material of Casing	High Impact polymer Casing	High Impact polymer Casing	High Impact polymer Casing
Material and Dia of Lifeline	Galvanized steel wire rope Ø4.5mm	Galvanized steel wire rope Ø4.5mm	Galvanized steel wire rope Ø4.5mm
Breaking Strength	15kN	15kN	15kN
Attachment End	Swivel steel snap hook	Swivel steel snap hook	Swivel steel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Certification	EN 360:2002 & ATEX 2014/34/EU	EN 360:2002 & ATEX 2014/34/EU	EN 360:2002 & ATEX 2014/34/EU

KARAM SRLs (Webbing)

Used in Industry



TPWB 3.5



Webbing Length 3.5m

TPWB 05-06



Webbing Length 05m-06m

TPWB 10-12



Webbing Length 10m-12m

Included with all SRL's
above 5mTPWB 3.5 2.27 kg $\pm$ 0.10 kg

TPWB 05	2.28 kg $\pm$ 0.10 kg
TPWB 06	2.31 kg $\pm$ 0.10 kg

TPWB 10	6.15 kg $\pm$ 0.10 kg
TPWB 12	6.22 kg $\pm$ 0.10 kg

TECHNICAL SNAPSHOT

Product Code	TPWB 3.5	TPWB 05-06	TPWB 10-12
Material of Casing	High Impact polymer Casing	High Impact polymer Casing	High Impact polymer Casing
Material	Polyester webbing 25mm	Polyester webbing 25mm	Polyester webbing 25mm
Breaking Strength	15kN	15kN	15kN
Attachment End	Steel swivel snap hook	Steel swivel snap hook	Steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Certification	EN 360:2002	EN 360:2002	EN 360:2002

KARAM Sharp Edge

The KARAM Sharp Edge SRLs have been specifically engineered for Horizontal Use and Sharp Edge applications ensuring the users ultimate Safety when working near an edge.

Used in Industry



KARAM SRLs Sharp Edge (Wire Rope)

TPGS 3.5(SE)

Wire Rope Length 3.5m

TPGS 3.5(SE)	2.20 kg ± 0.10 kg
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TPGS 05-07(SE)

Wire Rope Length 05m-07m

TPGS 05(SE)	3.12 kg ± 0.10 kg
TPGS 06(SE)	3.20 kg ± 0.10 kg
TPGS 07(SE)	3.28 kg ± 0.10 kg

TPGS 7.5-10(SE)

Wire Rope Length 7.5m-10m

TPGS 7.5(SE)	4.28 kg ± 0.10 kg
TPGS 10(SE)	4.48 kg ± 0.10 kg

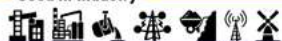
Included with all SRL's above 5m

TECHNICAL SNAPSHOT

Product Code	TPGS 3.5(SE)	TPGS 05-07(SE)	TPGS 7.5-10(SE)
Material of Casing	High Impact polymer Casing	High Impact polymer Casing	High Impact polymer Casing
Material and Dia of Lifeline	Galvanized steel wire rope Ø4.8mm	Galvanized steel wire rope Ø4.8mm	Galvanized steel wire rope Ø4.8mm
Breaking Strength	15kN	15kN	15kN
Attachment End	Steel swivel snap hook	Steel swivel snap hook	Steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Certification	EN 360:2002 VG11 RfU 11.060	EN 360:2002 VG11 RfU 11.060	EN 360:2002 VG11 RfU 11.060

KARAM SRLs Sharp Edge (Webbing)

Used in Industry



TPWB 3.5(SE)



Webbing Length 3.5m

TPWB 3.5(SE) 1.90 kg $\pm$ 0.10 kg

TPWB 05-06(SE)



Webbing Length 05m-06m

TPWB 05(SE) 2.85 kg $\pm$ 0.10 kgTPWB 06(SE) 2.89 kg $\pm$ 0.10 kgIncluded with all SRL's
above 5m

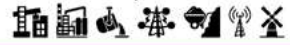
TECHNICAL SNAPSHOT

Product Code	TPWB 3.5(SE)	TPWB 05-06(SE)
Material of Casing	High Impact polymer Casing	High Impact polymer Casing
Material	Polyester webbing 25mm	Polyester webbing 25mm
Breaking Strength	15kN	15kN
Attachment End	Steel swivel snap hook	Steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Certification	EN 360:2002, VG11 RfU 11.060	EN 360:2002, VG11 RfU 11.060

Micron Block

The KARAM Micron has been designed to be used where there is low clearance or lack of overhead structures. The ability to use the Micron for Horizontal and Sharp Edge applications makes it the most versatile lanyard on the Market. It is light weight, stays out of the way and can be easily used as a lanyard replacement. Whether your application requires a single Micron to connect at foot level (Fall Factor 2) or twin leg configurations for an overhead anchor, the KARAM Micron reduces the Fall distance as compared to Energy Absorbing Lanyards.

Used in Industry



MICRON MIC 02



Swivel Anchorage Eye

High strength Polymer casing provides maximum durability

Automatic Quick Fall Arrester to arrest fall to less than 4kN and fall arrest distance to less than 600mm

Has inbuilt Textile Energy Absorber with protective cover on it

Steel Scaffold Hook 131N at attachment end

Can be used as a Single and Twin Forked Lanyard with SRL Connector

PN174



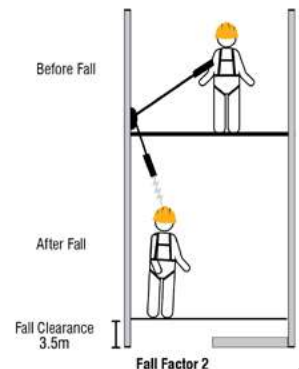
Consists of detailed Do's and Don'ts instructions inside the cover

2m Retractable Webbing provides continuous fall protection without any obstacles- keeps lifeline out of worker's way, reducing snagging, fragging and trip falls

Benefits of Micron when using at Foot level (Fall Factor 2)

In a Fall Factor 2 condition, the user anchors the lanyard below his foot level. The impact on the user is highest in this situation. The KARAM Micron has been designed to significantly reduce the impact forces applied to the user whilst decreasing the risk of serious injuries when used a foot level.

Can also be used when Anchor Point is at foot level which means Micron complies to Fall factor 2



MIC02



Webbing Length 2m

TECHNICAL SNAPSHOT

Product Code	MIC 02
Material of Casing	High Strength Polymer
Lifeline material	Retractable Webbing
Breaking Strength	15kN
Attachment End	Steel Scaffold Hook
Anchorage End	Steel screw Locking karabiner
Certification	EN 360:2002, VG 11 CNB/11.060 EN 355:2002 (Shock Absorber)
Weight	1.17 kg $\pm$ 0.02 kg

Twin Srl Connector

KARAM offers a unique Twin SRL Connector to use Micron as both Single and Forked Lanyards.

PN 174


 149.0 gm $\pm$ 10.0 gm


Example of Application of MIC 02 as Single Legged Lanyard

How to use Micron as a Single or Twin Lanyard with Twin SRL Connector



Open connector by pushing the two locking buttons and slide the pin out.



Slide connector through loosened web straps placed below the Dorsal D-ring, then pull straps tight.



Push the pin inside the grooves of the connector to ensure locking.

RETRACTABLE BLOCKS IN ALUMINIUM CASING

KARAM also offers a range of Retractable Blocks in Aluminium Casing, with both Galvanized Steel Wire Rope Lanyard and 25mm Webbing Lanyard.

Used in Industry



FEATURES

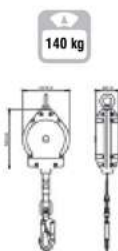
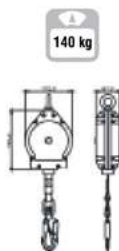
- The casing is made of high strength Aluminium Alloy.
- The anchorage eye comes with a swivel action that prevents any undue twist of the retracted lanyard (rope or webbing) while working, or in the event of the fall.

ALWB 04-7.5

ALWB 08-12

ALWB 04	3.50 kg ± 0.10 kg
ALWB 05	3.54 kg ± 0.10 kg
ALWB 06	3.58 kg ± 0.10 kg
ALWB 7.5	3.64 kg ± 0.10 kg

ALWB 08	6.39 kg ± 0.10 kg
ALWB 10	6.47 kg ± 0.10 kg
ALWB 12	6.55 kg ± 0.10 kg



Webbing Length 4m-7.5m

Webbing Length 8m-12m

Included with all SRL's above 5m



TECHNICAL SNAPSHOT

Product Code	ALWB 04-7.5	ALWB 08-12
Material of Casing	Aluminium Casing	Aluminium Casing
Material	Polyester Webbing 25mm	Polyester Webbing 25mm
Breaking Strength	20kN	20kN
Attachment End	Stainless steel swivel snap hook	Stainless steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Certification	EN 360:2002	EN 360:2002

RETRACTABLE BLOCKS IN ALUMINIUM CASING

Used in Industry



ALGS 04-10

ALGS 12-20

ALGS 04	3.84 kg $\pm$ 0.10 kg
ALGS 05	3.92 kg $\pm$ 0.10 kg
ALGS 06	4.0 kg $\pm$ 0.10 kg
ALGS 7.5	4.12 kg $\pm$ 0.10 kg
ALGS 10	4.32 kg $\pm$ 0.10 kg

ALGS 12	6.82kgs $\pm$ 0.10 kg
ALGS 15	7.06kgs $\pm$ 0.10 kg
ALGS 18	7.30kgs $\pm$ 0.10 kg
ALGS 20	7.46kgs $\pm$ 0.10 kg



Webbing Length 4m-10m

Webbing Length 12m-20m

Included with all SRL's above 5m



TECHNICAL SNAPSHOT

Product Code	ALGS 04-10	ALGS 12-20
Material of Casing	Aluminium Casing	Aluminium Casing
Material and Dia of Lifeline	Galvanized steel wire rope Ø4.5mm	Galvanized steel wire rope Ø4.5mm
Breaking Strength	15kN	15kN
Attachment End	Steel swivel snap hook	Steel swivel snap hook
Anchorage End	Galvanized steel screw gate Karabiner	Galvanized steel screw gate Karabiner
Certification	EN 360:2002 ATEX 2014/34/EU	EN 360:2002 ATEX 2014/34/EU

Mini Block (Swivel)

Used in Industry



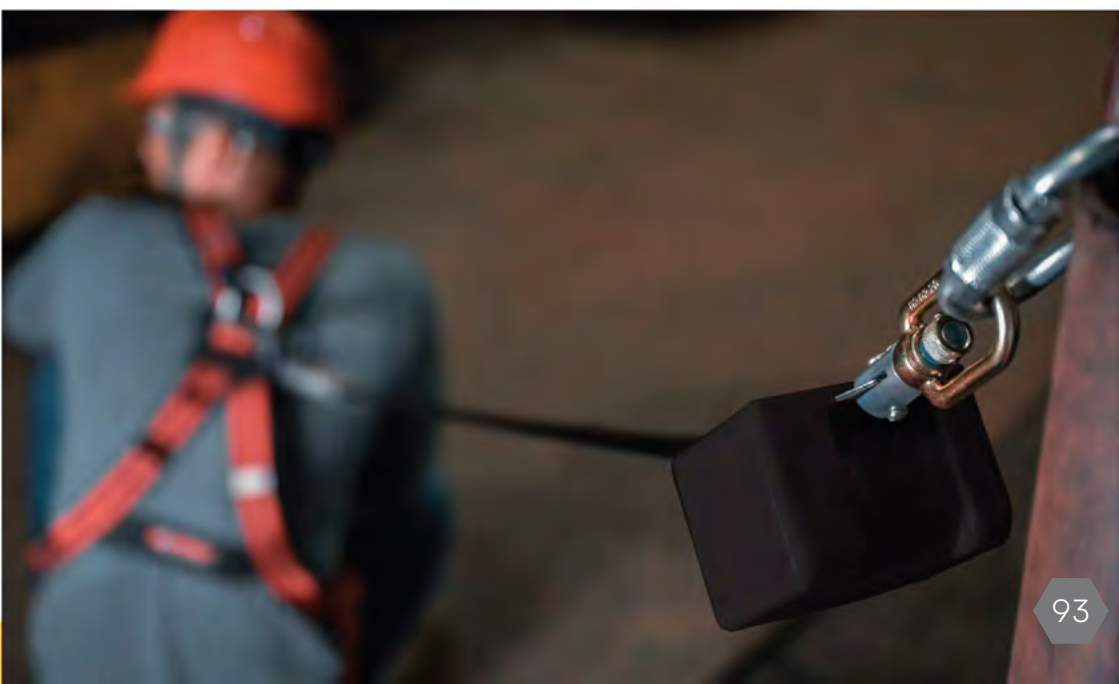
PN2002(SW)

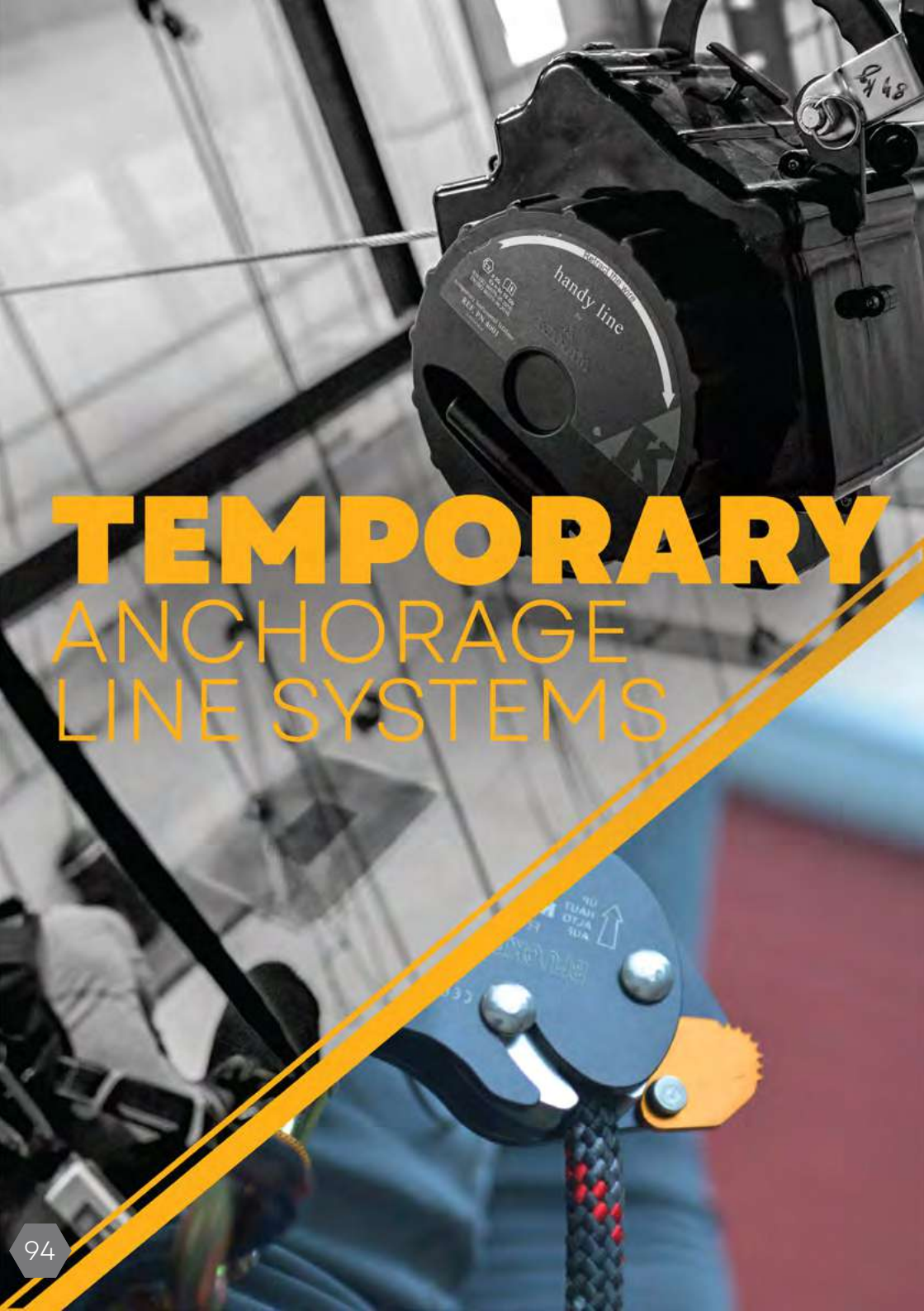


Webbing Length 2.5m

TECHNICAL SNAPSHOT

Product Code	PN 2002(SW)
Material of Casing	Protective Casing
Material and Webbing Width	Polyester 47mm
Breaking Strength	15kN
Attachment End	Steel Screw Locking Karabiner
Anchorage End	Steel Screw Locking Karabiner
Weight	1.40 kg
Certification	EN 360:2002





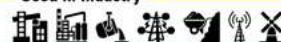
handy line

TEMPORARY ANCHORAGE LINE SYSTEMS

Horizon Textile Horizontal Line

KARAM offers the Horizon range of Temporary Horizontal Lifelines, made of textile webbing and rope which are extremely easy to carry and install wherever required. These Anchorage Lifeline systems by KARAM provide a suitable and safe anchorage horizontally along the entire length.

Used in Industry



Horizon Temporary Horizontal Webbing Anchorage Line For 2 Users

Horizon PN 3000(BC)



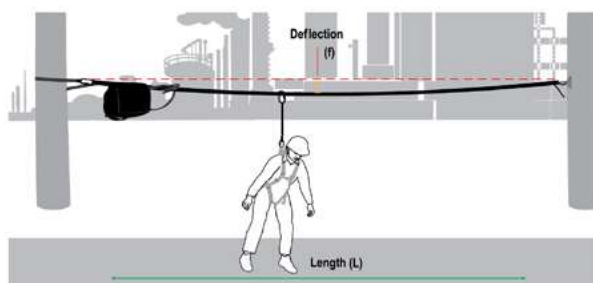
Kgs 4.25 kg $\pm$ 0.05 kg

Horizon PN 3000



Kgs 3.45 kg $\pm$ 0.05 kg

- Consists of a KARAM Ratchet Tensioner that allows easy tensioning of the lifeline between two structures.
- PN 3000(BC) has 2 Cross Arm Straps PN 804 each to tie off to the structure where the anchorage is required.
- The Horizontal Anchorage Lifeline is also available without cross arm straps Ref. PN 3000.
- The complete system is supplied in a bag, which is permanently attached to the assembly and also enables the user to easily carry the system with the help of comfortable shoulder hanging straps provided in the bag.
- Once the lifeline is fitted, the user can easily connect the lanyard attached to his Harness with the lifeline using a Karabiner. This allows movement along the length while keeping the user secured and safe at all times.
- PN 3000(BC) is certified to EN 795:2012 and TS 16415:2013 Type B and C (for upto 2 users) and PN 3000 conforms to 795:2012 Type C and TS 16415:2013 for upto 2 users.



TECHNICAL SNAPSHOT

Product code	Webbing Material	Attachment Ends	Max. No. of Users	Max. Span Length	Certified to
PN 3000(BC)	Polyester webbing of 30.0 mm	Both ends - Stitched loops with Twist Lock Karabiner's	upto 2 users	upto 20.0m	EN 795:2012 TS 16415:2013 Type B and C
PN 3000					

Horizon 4 Man Temporary Horizontal Rope Anchorage Line

KARAM introduces the 4 man Temporary Horizontal Life line, which is easy to use and install. It provides a suitable and safe anchorage horizontally along the entire length. Suitable for up to 4 users.

Horizon PN 3001

Used in Industry



Horizon PN 3001 (C)



- Quick and easy to install, and is reusable.
- PN 3001 has 4 Steel O-Rings to enable the user to easily attach the Lanyard of his Harness to the Lifeline using a Connector. PN 3001(C) has 4 Cross Over Anchors SA 29 made of Stainless Steel to allow users to cross each other easily, and prevent any disengagement from the lifeline, ensuring 100% tie off at all times
- Has unique tension indicator for creating an adequate tension in the line. Once the required tension is achieved, the disc on the tension indicator rotates freely, indicating the line is ready to use.
- Has Swivel Connector- specially designed to prevent any twisting of the rope.
- Material of Tensioner- Aluminium and Stainless Steel
- Minimum breaking strength: 25kN
- The whole system is supplied in a bag, which is permanently attached to the assembly and also enables the user to easily carry the system with the help of comfortable handles provided in the bag. This bag is designed in such a way that it keeps the unused rope safely, thereby preventing the rope being subjected to abrasion or any damage caused from dust, dirt grime, oil etc. Once fitted, you can easily put back the extra rope not deployed along the length, into the bag.

TECHNICAL SNAPSHOT

Product Code	Rope Material and Dia	Attachment Ends	O-Rings Specifications	Max. Span Length	Certified to
PN 3001	Kernmantle Rope of dia 16.0 mm	One end- Swivel brass connector with Twist Lock Karabiners	Forged Galvanized Steel O-Rings Qty- 4 nos.	upto 25.0 m	EN 795:2012 Type C & TS 16415:2013 Type C
PN 3001(C)		Other end- Tension indicator with Twist Lock Karabiners	Cross Over Anchors Qty- 4 nos.		

Horizon 2 Man Temporary Horizontal Rope Anchorage Line

KARAM 2 man Temporary Horizontal Lifeline is another lifeline that is quick and easy to install. This Lifeline is suitable for up to 2 users.

Used in Industry



Horizon PN 3002



Horizon PN 3002 (C)



- PN 3002 has 2 steel O-rings to enable the user to easily attach the Lanyard of his Harness to the lifeline using a Connector.
- PN 3002(C) has 2 Cross Over Anchors SA 29 made of Stainless Steel to allow users to cross each other easily and prevent any disengagement from the lifeline, ensuring 100% tie off at all times.
- Has unique tension indicator for creating an adequate tension in the line. Once the required tension is achieved, the disc on the tension indicator rotates freely, indicating the line is ready to use.
- Minimum breaking strength: 25kN.
- The whole system is supplied in a bag which is permanently attached to the assembly and also enables the user to easily carry the system with the help of comfortable handles provided in the bag. This bag is designed in such a way that it keeps the unused rope safely, thereby preventing the Rope being subjected to abrasion or any damage caused from dust, dirt grime, oil etc.
- Once fitted, you can easily put back the extra rope not deployed along the length, into the bag.

TECHNICAL SNAPSHOT

Product Code	Rope Material and Dia	Attachment Ends	O-Rings Specifications	Max. Span Length	Certified to
PN 3002	Kernmantle Rope of dia 16.0 mm	One end- Stitched loop with PN 113 Other end- Tension indicator with PN 113	Forged Galvanized Steel O-rings Qty- 2 nos.	upto 25.0 m	EN 795:2012 Type C TS 16415:2013 Type C
PN 3002(C)			Cross Over Anchors Qty- 2 nos.		

Handy Line Temporary Horizontal Lifeline

The KARAM Temporary Horizontal Lifeline has been designed to be easily installed in a horizontal plane allowing the user to have access to a suitable anchorage whilst working over large distances. This Lifeline is suitable for up to 2 users.

Used in Industry



Horizon PN 4001N



14.20 kg $\pm$ 0.01 kg



Fall Indicator

- Housing made of durable and high strength polymer.
- Handy and portable design.
- Extremely easy to install; retractable lifeline is simply pulled out for installation up to the required length and retracted back with the built-in winch into an easy-to-carry case.
- Inbuilt Winch for easy retraction of rope back into the housing/case for fast, simple and safe dismantle. Hence, eliminating large and bulky coils of cable that are difficult to set-up and store.
- Has inbuilt shock absorption mechanism to limit the impact forces during fall arrest.
- Molded and padded handle for easy carriage.
- Comes with Hook at the termination end for easy connection.
- Can be used by maximum 2 users simultaneously.
- Has load indicator for PN 4001(51) easy fall arrest inspection and connection to a wide range of anchors.
- Impact Indicator on the hook turns red in the case of a fall.



TECHNICAL SNAPSHOT

Product Code	Construction of Rope and Dia	Breaking Strength	Max. Span Length of Wire Rope	Certified to
PN 4001N	7 strand X 19 wires Galvanized Steel Wire Rope of dia 6.0mm	24kN	Upto 18.0 m	EN 795:2012 Type C TS 16415:2013 Type C, ATEX 2014/34/EU

Edge Fix Anchor Post

KARAM offers a portable and extremely easy to install Anchor post designed to be installed on metal I Beam.

In addition to be used as a stand-alone anchor post, it can also be used to form a horizontal lifeline along the length of I Beam.

Used in Industry



SA 28

- Span lengths are adjustable with the help of intermediates.
- Can be used by maximum 4 users simultaneously.
- Compatible with beam having flange width of 150 mm to 220 mm.
- Comes with KARAM universal extremity plate PN 4000(09) and intermediate PN 4000(10).



Kgs 12.80 kg $\pm$ 0.10 kg

TECHNICAL SNAPSHOT

Product Code	Material	Breaking Strength	Conforms to
SA 28	ED coated high strength Alloy Steel	15kN	EN 795:2012 Type B TS 16415:2013 Type B

Temporary Vertical Anchorage Line Systems

KARAM introduces Temporary Vertical Anchorage Line Systems which are quick and easy to install. All these systems have uniquely designed Rope Grabs that grab onto the Anchorage Line on which they move, thus arresting the fall immediately.

Used in Industry



Guided Type Fall Arrester System On Flexible Anchorage Line

PN 2000A



PN 2000B



PN 2000C



TECHNICAL SNAPSHOT

Product Code	PN 2000A	PN 2000B	PN 2000C
Rope Grab	Galvanized Steel Openable Rope Grab for fibre rope: Ref. RG 01	Galvanized Steel Openable Rope Grab RG 01 permanently stitched with Shock Absorber PN 300.	Galvanized Steel Openable Rope Grab RG 01 permanently stitched with spacing strap.
Attachment Element	Steel Screw Locking Karabiner PN 112(C)	Steel Screw Locking Karabiner PN 112(C)	Steel Snap Hook PN 121
Anchorage Line	Polyamide Twisted rope of dia 14mm to 16mm.	Polyamide Twisted rope of dia 14mm to 16mm.	Polyamide Twisted rope of dia 14mm to 16mm.
Breaking Strength	15kN	15kN	15kN
Certified to	EN 353-2:2002	EN 353-2:2002	EN 353-2:2002

Rope Grab | RG 01



- Fail proof design ensures correct usage.
- Arrests fall within very short fall distance.
- Equipped with a double security opening system, hence will not open unless a deliberate action taken.



Only KARAM Openable Rope Grab Fall Arrester comes with the unique anti-gravity locking system.

Allows the user to go up but not slide down accidentally. Keeps in stationary position when locked.



Automatic Locking



Locked position allows manual locking

TEMPORARY ANCHORAGE LINE

Guided Type Fall Arrester System On Flexible Anchorage Line

Used in Industry



PN 2003



PN 2004, PN 2004EC



FEATURES

- This system is an ideal fall restraint device for use while working on platforms and roofs.
- Rope Grab is not detachable from the rope. This gives an advantage that the worker does not lose the device when the equipment is not in use.
- One side loop for Connector and the other side a stop knot.
- Available in lengths of 5m to 100m

FEATURES

- **PN 2004** consists of highly corrosion resistant Stainless Steel Rope Grab, whereas **PN 2004EC** comes with Alloy Steel Rope Grab
- Rope Grab is not detachable from the rope. This gives an advantage that the worker does not lose the device when the equipment is not in use.
- One side loop for Connector and the other side a stop knot.
- Available in lengths of 5m to 100m

TECHNICAL SNAPSHOT

Product Code	Rope Grab	Attachment Element	Rope Material and Dia	Certified to
PN 2003	Galvanized Steel Non Openable Rope Grab RG 03 permanently stitched with Shock Absorber PN 300	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 12.0mm	EN 353-2:2002 AS/NZS 1891.3:2020
PN 2004, PN 2004EC	Stainless Steel Non Openable Rope Grab RG 05 permanently stitched with Shock Absorber PN 300(S)	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 12.0mm	EN 353-2:2002

The Anchorage Line has coloured tracer yarn which loses its colour over time, to show that the rope is now unfit for further use.

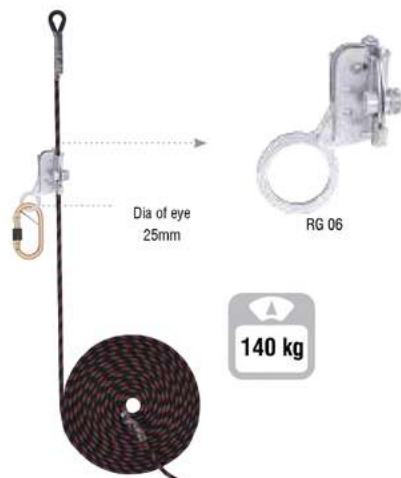
TEMPORARY ANCHORAGE LINE

Guided Type Fall Arrester System On Flexible Anchorage Line

Used in Industry



PN 2005



PN 2005(AP)



FEATURES

- Both these systems have a side loop on the one side for the Connector and a stop knot at the other end. The termination is cross-stitched, and is protected with a strong transparent covering sleeve which not only protects the end but also makes the stitches visible for easy inspection prior to use.
- Abrasion resistant thimble at termination to protect the loops from being damaged by metallic contact.
- Available in lengths of 5m to 100m

WHAT IS ANTI-Panic?

In most situations the user comes under a state of panic when experiencing a fall. He immediately reaches out to grasp the rope grab, thereby releasing the cam and preventing the device from grabbing onto the rope. In such a case, the Rope Grab fails in its purpose and a fall is induced by the panic stricken user.

KARAM offers an Anti-Panic locking feature in its Rope Grab system in PN 2005(AP), PN 2007(AP) and PN 2008(AP) which helps to keep the Rope Grab securely anchored to the lifeline even when the user grips the device.

TECHNICAL SNAPSHOT

Product Code	Rope Grab	Attachment Element	Rope Material and Dia	Certified to
PN 2005	Openable Stainless Steel Rope Grab: Ref. RG 06(25)	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 12.0mm	EN 353-2:2002
PN 2005(AP)	Openable Anti-Panic Stainless Steel Rope Grab: Ref. RG 06(50)	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 12.0mm	EN 353-2:2002

The Anchorage Line has coloured tracer yarn which loses its colour over time, to show that the rope is now unfit for further use.

TEMPORARY ANCHORAGE LINE

Guided Type Fall Arrester System On Flexible Anchorage Line

Used in Industry



PN 2006



RG 07



Locked Position

PN 2006(11)



FEATURES

- In both the systems, the Rope Grab (RG 07) has a manual lock position to allow work on inclined roof, and also restraint positioning.
- PN 2006 has an Energy Absorber at one end and a stop knot at other end whereas PN 2006(11) has a side loop on one side for the Connector and a stop knot at the other end.
- Abrasion resistant thimble to protect the loops from being damaged by metallic contact.
- The termination is cross-stitched, and is protected with a strong transparent covering sleeve which not only protects the end but also makes the stitches visible for easy inspection prior to use.
- Available in lengths of 5m to 100m

TECHNICAL SNAPSHOT

Product Code	Rope Grab	Attachment Element	Rope Material and Dia	Certified to
PN 2006	Openable Aluminium Rope Grab Blocker: Ref. RG 07	Steel Screw Locking Karabiner PN 112 permanently attached with wire sling	Kernmantle Rope of dia 12.0mm	EN 353-2:2002
PN 2006(11)	Openable Aluminium Rope Grab Blocker: Ref. RG 07	Steel Screw Locking Karabiner PN 112 permanently attached with wire sling	Kernmantle Rope of dia 11.0mm	EN 353-2:2002 EN 12841:2006 Type A

The Anchorage Line has coloured tracer yarn which loses its colour over time, to show that the rope is now unfit for further use.

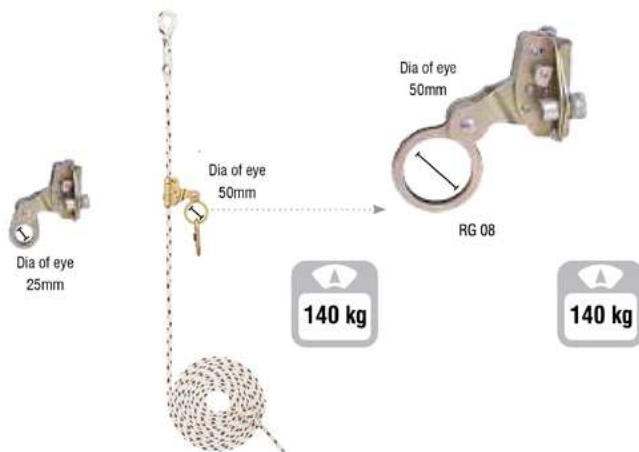
TEMPORARY ANCHORAGE LINE

Guided Type Fall Arrester System On Flexible Anchorage Line

Used in Industry



PN 2007, PN 2007(AP)



PN 2008, PN 2008(AP)



FEATURES

- Both these systems have a side loop on one side for the Connector and a stop knot at the other end. The termination is spliced and is protected with a strong transparent covering sleeve which not only protects the end but also makes the splicing visible for easy inspection prior to use.
- PN 2007(AP) comes with Anti-panic features.
- Abrasion resistant thimble to protect the loops from being damaged by metallic contact.
- Available in lengths of 5.0m to 100.0m

FEATURES

- Both these systems have a side loop on one side for the Connector and a stop knot at the other end. The termination is cross stitched and is protected with a strong transparent covering sleeve which not only protects the end but also makes the splicing visible for easy inspection prior to use.
- PN 2008(AP) comes with Anti-panic features.
- Abrasion resistant thimble to protect the loops from being damaged by metallic contact.
- Available in lengths of 5.0m to 100.0m

TECHNICAL SNAPSHOT

Product Code	PN 2007	PN 2007(AP)	PN 2008	PN 2008(AP)
Rope Grab	Openable Galvanized Steel Rope Grab RG 08(25)	Openable Galvanized Steel Anti-panic Rope Grab: RG 08(50)	Openable Galvanized Steel Rope Grab RG 08(25)	Openable Galvanized Steel Anti-panic Rope Grab: RG 08(50)
Attachment Element	Steel Screw Locking Karabiner PN 112(C)	Steel Screw Locking Karabiner PN 112(C)	Steel Screw Locking Karabiner PN 112(C)	Steel Screw Locking Karabiner PN 112(C)
Material of rope and dia	Polyamide Twisted Rope of dia 14.0mm to 16.0mm	Polyamide Twisted Rope of dia 14.0mm to 16.0mm	Kernmantle Rope of dia 12.0mm	Kernmantle Rope of dia 12.0mm
Certified to	EN 353-2:2002	EN 353-2:2002	EN 353-2:2002	EN 353-2:2002

The Anchorage Line has coloured tracer yarn which loses its colour over time, to show that the rope is now unfit for further use.

Guided Type Fall Arrester System On Flexible Anchorage Line

Used in Industry



PN 2009



PN 2009(F)



PN 2009(SA)



FEATURES

- Above systems have a side loop on one side for the Connector and a stop knot at the other end.
- Abrasion resistant thimble at termination to protect the loops from being damaged by metallic contact.
- The termination is cross-stitched, and is protected with a strong transparent covering sleeve which not only protects the end but also makes the stitches visible for easy inspection prior to use.
- Available in lengths of 5.0m to 100.0m

TECHNICAL SNAPSHOT

Product Code	Rope Grab	Attachment Element	Rope Material and Dia	Certified to
PN 2009	Openable Aluminium Alloy Rope Grab: Ref. RG 09	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 11.0mm	EN 353-2:2002
PN 2009(F)	Non-openable Aluminium Alloy Rope Grab: Ref. RG 09(F)	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 11.0mm	EN 353-2:2002
PN 2009(SA)	Openable Aluminium Alloy Rope Grab Ref. RG 09 permanently stitched with Shock Absorber PN 300(S)	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 11.0mm	EN 353-2:2002

The Anchorage Line has coloured tracer yarn which loses its colour over time, to show that the rope is now unfit for further use.

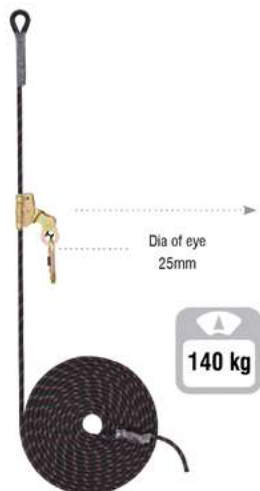
TEMPORARY ANCHORAGE LINE

Guided Type Fall Arrester System On Flexible Anchorage Line

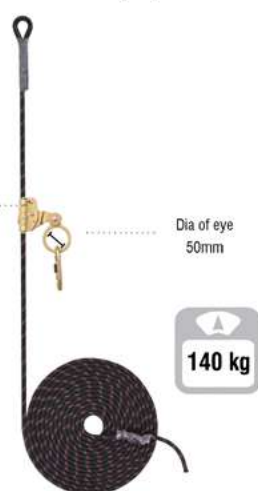
Used in Industry



PN 2010



PN 2010 (AP)



FEATURES

- Both these systems have a side loop on one side for the Connector and a stop knot at the other end. The termination is stitched and is protected with a strong transparent covering sleeve which not only protects the end but also makes the stitches visible for easy inspection prior to use.
- PN 2010(AP) comes with Anti-panic features.
- Abrasion resistant thimble at termination to protect the loops from being damaged by metallic contact.
- Available in lengths of 5m to 100m

TECHNICAL SNAPSHOT

Product Code	Rope Grab	Attachment Element	Rope Material and Dia	Certified to
PN 2010	Openable Galvanized Steel Rope Grab RG 11(25)	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 11.0mm and 12.0mm	EN 353-2:2002
PN 2010(AP)	Openable Galvanized Steel Anti-panic Rope Grab: RG 11(50)	Steel Screw Locking Karabiner PN 112(C)	Kernmantle Rope of dia 11.0mm and 12.0mm	EN 353-2:2002

The Anchorage Line has coloured tracer yarn which loses its colour over time, to show that the rope is now unfit for further use.

TEMPORARY ANCHORAGE LINE

Textile Ropes For Anchorage Lines

KARAM introduces Textile Anchorage Lines in both Twisted and Kernmantle Ropes made of polyamide and polyester, available in different lengths to suit application. These Anchorage Lines are certified as a system only when used with specific KARAM Rope Grab Fall Arresters.

Twisted Rope Anchorage Line



FEATURES

- Made of 3-strand Polyamide Twisted Rope of dia 14.0mm.
- One side loop; other side stop knot.

Kernmantle Rope Anchorage Line



FEATURES

- Made of Polyester Kernmantle Rope of dia 12.0mm.
- One side loop; other side end stop knot.

Kernmantle Rope Anchorage Line



FEATURES

- Made of Polyester Kernmantle Rope of dia 11.0mm.
- One side loop; other side end stop knot.

Used in Industry



TECHNICAL SNAPSHOT

Rope Material and Dia	Product code	Length
Twisted Rope Anchorage Line (14.0mm)	PN 920	20.0 m
	PN 930	30.0 m
	PN 950	50.0 m
Twisted Rope Anchorage Line (16.0mm)	PN 920	20.0 m
	PN 930	30.0 m
	PN 950	50.0 m

TECHNICAL SNAPSHOT

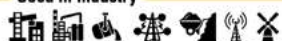
Rope Material and Dia	Product code	Length
Twisted Rope Anchorage Line (14.0mm)	PN 920 (KRAL 12)	20.0 m
	PN 930 (KRAL 12)	30.0 m
	PN 950 (KRAL 12)	50.0 m

TECHNICAL SNAPSHOT

Rope Material and Dia	Product code	Length
Kernmantle Rope Anchorage Line (11.0mm)	PN 920 (KRKD 11)	20.0 m
	PN 930 (KRKD 11)	30.0 m
	PN 950 (KRKD 11)	50.0 m
	PN 9200 (KRKD 11)	200.0 m

Accessories

Used in Industry



Edge Protector | ARC 02



Material: Stainless Steel.

Protects the rope from abrasion against an edge.

The edge ring-guides on the angle of the Edge-Protector prevents different Anchorage Lines from getting entangled over the edge.

Edge Protector | ARC 06N and ARC06(120)

Designed to guide and protect the moving rope from abrasion against uneven surface and sharp edges over different terrains.



ARC 06N



ARC 06(120)



FEATURES

- Compact light edge protector roller for rope protection
- Extremely easy to use.
- Re-usable.
- Comes in set of 3 protectors connected with 4 screw links.
- Equipped with rollers which rolls on bearing for easy movement of rope on edges.
- In ARC 06N user can easily add the number of protectors to 1,2, or 3 as per the working situation, whereas in ARC 06(120) holes are at both the ends to connect the sling for holding the edge protector.

Protective Sleeve | PR 01

- Designed to protect flexible Anchorage Lines against abrasion on sharp edges.
- Made of polyester tubular webbing of width 44mm.
- Moveable along the length of Anchorage Line.
- Non-openable.
- Standard length 30cm. However, can be customized as per requirement.



Openable Protective Sleeve | PR 02

- Designed to protect flexible Anchorage Lines against abrasion due to friction.
- Made of flexible PVC and is detachable.
- The width of PR 02 is: Open: 130mm and Folded: 50mm.
- Opened/closed with the help of velcro tape stitched along length.
- Standard length: 55cm.



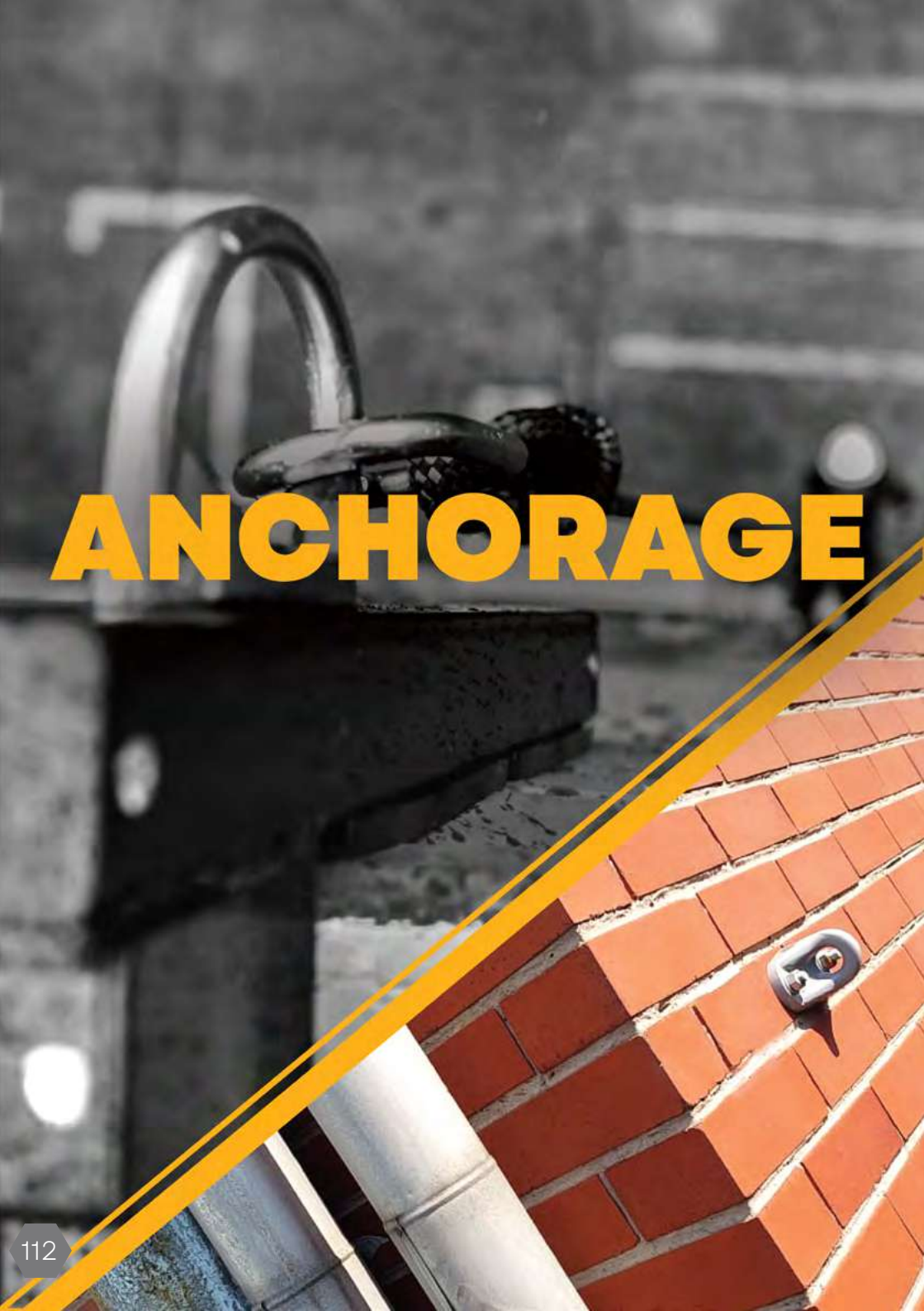
Choose The Temporary Vertical Anchorage Line System That Best Suits Your Requirement.

READY RECKONER								
Anchorage Line					Rope Grab			
Product Code	Rope Material	Dia	One End	Other End	Rope Grab Material	Openable/Non Openable	Anti Panic Feature	Product code of Rope Grab
PN 2000A	Polyamide Twisted Rope	14mm and 16.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	No	RG 01 with PN 112 (C)
PN 2000B	Polyamide Twisted Rope	14mm and 16.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	No	RG 01 Permanently stitched with PN 300 and PN 112 (C)
PN 2000C	Polyamide Twisted Rope	14mm and 16.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	No	RG 01 Permanently stitched with spacing strap and PN 121

TEMPORARY ANCHORAGE LINE

READY RECKONER								
Anchorage Line					Rope Grab			
Product Code	Rope Material	Dia	One End	Other End	Rope Material	Openable/ Non Openable	Anti Panic Feature	Product code of Rope Grab
PN 2003	Kernmantle Rope	12.0mm	Loop for Connector	Stop knot	Galvanized Steel	Non Openable	No	RG 03 Permanently stitched with PN 300 and PN 112(C)
PN 2004	Kernmantle Rope	12.0mm	Loop for Connector	Stop knot	Galvanized Steel	Non Openable	No	RG 05 Permanently stitched with PN 300 and PN 112(C)
PN 2005	Kernmantle Rope	12.0mm	Loop for Connector	Stop knot	Stainless Steel	Openable	No	RG 06(25) with PN 112(C)
PN 2005(AP)	Kernmantle Rope	12.0mm	Loop for Connector	Stop knot	Stainless Steel	Openable	Yes	RG 06(50) with PN 112(C)
PN 2006	Kernmantle Rope	12.0mm	Energy Absorber for Connector	Stop knot	Aluminium	Openable	No	RG 07 with PN 112
PN 2006(11)	Kernmantle Rope	11.0mm	Loop for Connector	Stop knot	Aluminium	Openable	No	RG 07 with PN 112
PN 2007	Polyamide Twisted Rope	14.0mm and 16.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	No	RG 08(25) with PN 112(C)
PN 2007(AP)	Polyamide Twisted Rope	14.0mm and 16.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	Yes	RG 08(50) with PN 112(C)
PN 2008	Kernmantle Rope	12.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	No	RG 08(25) with PN 112(C)
PN 2008(AP)	Kernmantle Rope	12.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	Yes	RG 08(50) with PN 112(C)

READY RECKONER								
Anchorage Line					Rope Grab			
Product Code	Rope Material	Dia	One End	Other End	Rope Grab Material	Openable/ Non Openable	Anti Panic Feature	Other End
PN 2009	Kernmantle Rope	11.0mm	Loop for Connector	Stop knot	Aluminium Alloy	Openable	Yes	RG 09 with PN 112(C)
PN 2009(F)	Kernmantle Rope	11.0mm	Loop for Connector	Stop knot	Aluminium Alloy	Non Openable	No	RG 09(F) with PN 112(C)
PN 2009(SA)	Kernmantle Rope	11.0mm	Loop for Connector	Stop knot	Aluminium Alloy	Non openable	No	RG 09 permanently stitched with Shock Absorber and PN 112(C)
PN 2010	Kernmantle Rope	11.0mm and 12.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	No	RG 011(25) with PN 112(C)
PN 2010(AP)	Kernmantle Rope	11.0mm and 12.0mm	Loop for Connector	Stop knot	Galvanized Steel	Openable	Yes	RG 11(50) with PN 112(C)



ANCHORAGE

TYPE A ANCHOR

Aluminium Anchor Point | SA 09

FEATURES

- Compact and highly corrosion resistant.
- Can be bolted on any structure with the help of 2 screw-bolts.
- Tested to withstand the impact load in all the 3 axes, providing the highest level of safety.
- It can be bolted on concrete structures having minimum width of 125mm and metal structures using suitable fasteners.

Material: Aluminium Alloy

Minimum Breaking Strength: 23kN

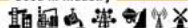
Finish: Natural silver/Colored anodized

Conforms: EN 795:2012 Type A, ANSI Z359.1-2007 Type A, TS 16415:2013 Type A (for upto 3 users)

Kgs 308.0 gm $\pm$ 0.01 gm



Used in Industry



Tested direction of loading



X- axis



Y- axis



Z- axis



Steel Anchor Point | SA 10

FEATURES

- Designed as the intermediary for securing a connecting device to an anchorage point.
- A forged single Point Steel Anchor designed to be fixed on walls, ceiling, roof-tops, and steel structures.
- Can sustain a load impact in all the 3 axes 'X', 'Y', 'Z'.
- Extremely durable and reusable.

Material: Alloy Steel

Minimum Breaking Strength: 23kN

Finish: Silver / Golden yellow galvanized

Certified to: AS/NZS 5532:2013

Conforms: EN 795:2012 TYPE A, ANSI Z 359.18:2007 A, TS 16415:2013 Type A (for upto 4 users)

Kgs 380.0 gm $\pm$ 0.01 gm



Used in Industry



Tested direction of loading



X- axis



Y- axis



Z- axis



ANCHORAGES

Steel Anchor Point | SA 10A

FEATURES

- Designed as the intermediary for securing a connecting device to an anchorage point.
- This forged Steel Anchorage Point is another device that can be bolted on any structure without the help of any additional fastener.
- Special lengths of studs can also be provided on request.
- Can sustain a load impact in all the 3 axes 'X', 'Y', 'Z'.
- Extremely durable and reusable.

Material: Alloy Steel

Minimum Breaking Strength: 23kN

Finish: Silver / Golden yellow galvanized

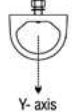
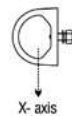
Certified to: AS/NZS 5532:2013

Conforms: EN 795:2012 Type A, ANSI Z359.1-2007
TS 16415:2013 Type A (for upto 4 users)

Kgs 435.0 gm $\pm$ 0.01 gm



Tested direction of loading



Used in Industry



Steel Anchor Point | SA 10SS

FEATURES

- Designed to be fixed on walls, ceilings, roof tops and steel structures.
- Can be easily mounted on structure with the help of M12 chemical/mechanical fastener.

Material: Stainless Steel

Minimum Breaking Strength: 23kN

Finish: Polished

Conforms: EN 795:2012 Type A, TS 16415:2013 Type A (for upto 4 users), ANSI Z359.1-2007

Kgs 600.0 gm $\pm$ 0.01 gm



Tested direction of loading

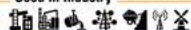


Used in Industry



Stainless Steel Chemical Point Anchor | SA 12

Used in Industry



FEATURES

- Designed for fastening into concrete.
- Used with adhesive capsule 10 HVU M12 x 110 code: 256693
- Drilling dia recommended for installation-14mm and depth-110mm
- Durable and easy to install.
- An anchorage point fastening system comprises a 110 mm long stainless steel eye bolt for fastening into concrete.

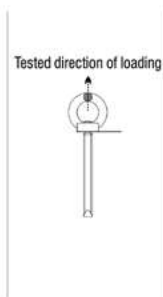
Material: Stainless Steel

Minimum Breaking Strength: 12kN

Finish: Polished

Certified to: AS/NZS 5532:2013, ATEX 2014/34/EU

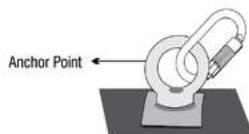
Conforms to: EN 795:2012 Type A



Kgs 300.0 gm $\pm$ 10.0 gm

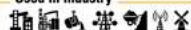


ATEX 2014/34/EU



Removable Chemical Fastener Anchor | SA 44

Used in Industry



FEATURES

- KARAM Removable Chemical Fastener is provided with a lock to prevent the anchorage eye from coming out of the stud accidentally.
- This Anchor is capable of being installed on a concrete structure having minimum thickness of 150mm through a Pre-defined hole of 20.00 mm diameter.
- Used with adhesive capsule HVU M20 x 170 code: 256695

Material:

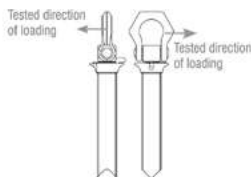
- Fully Threaded Stud:** Stainless Steel
- Anchorage Eye:** Alloy Steel

Minimum Breaking Strength: 12kN

Finish:

- Fully threaded stud:** Polished
- Anchorage Eye:** Shot blasted and yellow passivation

Conforms to: EN 795:2012 Type A, ANSI Z359.1-2007



Kgs 346.0 gm $\pm$ 10.0 gm



Hinge Anchor | SA 49

FEATURES

- The Hinged Steel Roof Anchor has two steel hinged flaps which can be nailed to the roof made of a wooden structure.
- The steel flaps each having 8 holes which can be nailed on the two sides of the wooden structure to provide a safe anchorage.
- Comes with a hole dia of 25.4 mm to make it compatible with large opening Snap Hooks.

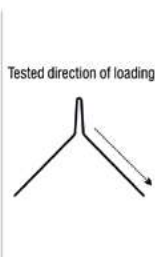
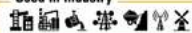
Material: Galvanized Steel

Minimum Breaking Strength: 23kN

Finish: Powder coated or Zinc plated

Conforms to: EN 795:2012 Type A, ANSI Z359.18-2017 Type A

Used in Industry



Kgs 590.0 gm $\pm$ 0.01 gm



Flange Anchor | SA 41

FEATURES

- The Anchorage provided by its eye-bolt that has been tested to withstand the required load of 23kN from all the 3 axes, providing the highest level of safety.

Material: Stainless Steel

Minimum Breaking Strength: 23kN

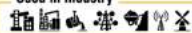
Finish: Polished

Process: Stamped

Conforms to: EN 795:2012 Type A

Certified to: AS/NZS 5532:2013

Used in Industry



Tested direction of loading



Kgs 311.0 gm $\pm$ 10.0 gm



Flange Anchors | SA 42-10 and SA 42-12 SA 42-10 (EC) and SA 42-12(EC)

Used in Industry



SA 42-10

Kgs 62.0gms $\pm$ 5.0gms



SA 42-10 (EC)



SA 42-12

Kgs 60.0gms $\pm$ 5.0gms



SA 42-12 (EC)



FEATURES

- SA 42-10 can be used with chemical as well as in mechanical nut bolt fastener in predefined hole of dia 12mm through a drilling depth of 95mm.
- SA 42-12 Can be used with chemical as well as in mechanical nut bolt fastener in predefined hole of dia 14mm through a drilling depth of 95mm.

Material (SA 42-10 & SA 42-12): Stainless Steel

Material (SA 42-10(EC) & SA 42-12(EC)): Alloy Steel

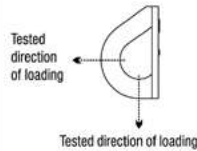
Minimum Breaking Strength: 12kN

Finish: Electro Polished

Process: Stamped

Conforms: EN 795:2012 Type A, ANSI Z359.18-2017 (for SA 42-12 only)

Certified To: AS/NZS 5532:2013



Tile Anchor | SA 58

FEATURES

- Can be installed on a wooden or steel structure beneath the tiles with the help of suitable fasteners.
- Stainless Steel Wire Rope is used as an anchorage point.

Material:

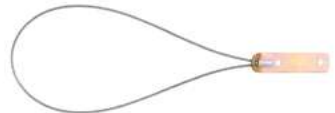
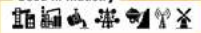
- Cable:** Stainless Steel Wire Rope of dia 4.8mm
- Anchor Plate:** Alloy Steel

Minimum Breaking Strength: 21kN

Finish: Silver/Golden yellow galvanized

Conforms: EN 795:2012 Type A

Used in Industry



Kgs 245.0 gm $\pm$ 10.0 gm



Hinge Anchor With Swivel D-Ring | SA 66

FEATURES

- Has two Steel Hinged flaps having 16 holes on either side which can be nailed to the roof wooden structure through various wide angles to provide a safe anchorage.
- Has Swivel D-ring which allows movement over full work surface.

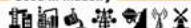
Material: Galvanized Steel

Minimum Breaking Strength: 23kN

Finish: Powder coated or Zinc plated

Conforms: EN 795:2012 Type A, ANSI Z359.1-2007

Used in Industry



Kgs 1.14kgs $\pm$ 0.01 kgs



D-Ring With Two Hole Anchor Plate | SA 68

FEATURES

- Can be easily installed on the concrete and metal structure with the help of M16 chemical as well as mechanical fasteners.
- The D-ring can be used as an anchor point.

Material: Alloy Steel

Minimum Breaking Strength: 23kN

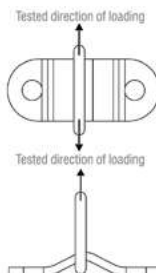
Finish: Silver/Golden yellow galvanized

Conforms: EN 795:2012 Type A, ANSI Z359.18-2017 Type A

Used in Industry



Kgs 380.0 gm $\pm$ 20.0gm



D-Ring With One Hole Anchor Plate | SA 69

FEATURES

- Can be easily installed on the concrete and metal structure with the help of M16 chemical as well as mechanical fasteners.
- The D-ring can be used as an anchor point.

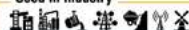
Material: Alloy Steel

Minimum Breaking Strength: 23kN

Finish: Silver/Golden yellow galvanized

Conforms: EN 795:2012 Type A, ANSI Z359.1-2007

Used in Industry



Kgs 280.0 gm $\pm$ 20.0 gm



SWIVEL ANCHOR | SA 107

FEATURES

- Single Point Steel Swivel Anchor designed to be fixed on walls, ceilings, roof tops or steel structures.
- Tested to withstand the load in all the 3 axes.

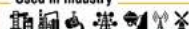
Material: Alloy Steel

Minimum Breaking Strength: 23kN

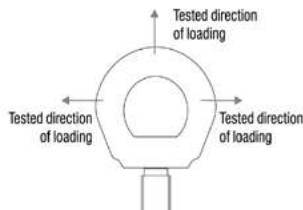
Finish: Shot blasted and yellow/blue passivation

Conforms: EN 795:2012 Type A

Used in Industry



Kgs 313.0 gm $\pm$ 20.0 gm



SWIVEL ANCHOR | SA 108

FEATURES

- Single Point Steel Swivel Anchor designed to be fixed on walls, ceilings, roof tops or steel structures.
- Compatible with M16 fasteners.

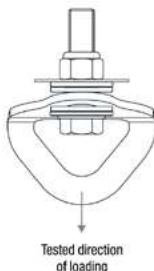
Material: Stainless Steel

Minimum Breaking Strength: 15kN

Finish: Polished

Conforms: EN 795:2012 Type A

Used in Industry



481.0 gm $\pm$ 20.0 gm

TYPE B ANCHOR

Beam Anchor | SA 08

FEATURES

- It is a temporary transportable Anchor device, and provides an Anchorage Point while being attached safely onto a beam, without penetrating it.
- The Beam Anchor arm has flanges made of brass, and is adjustable to suit different beam sizes.
- Once installed, the D-ring on the aluminum bar of the Beam Anchor can be used for connection with a variety of connectors for suitable Anchorage.

Material: Aluminum Alloy and Brass

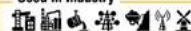
Minimum Breaking Strength: 23kN

Flange Width: 90mm to 340mm

Certified to: EN 795:2012 Type B, AS/NZS 5532:2013 and ATEX 2014/34/EU

Conforms: ANSI Z359.18-2017 Type A

Used in Industry



Tested direction of loading



1.87 kg $\pm$ 0.01 kg



ATEX 2014/34/EU

Mini Beam Anchor | SA 08M

FEATURES

- It is a temporary transportable Anchor device, and provides an Anchorage Point while being attached safely onto a beam, without penetrating it.
- The Beam Anchor arm has flanges made of brass, and is adjustable to suit different beam sizes.
- Once installed, the D-ring on the aluminum bar of the Beam Anchor can be used for connection with a variety of connectors for suitable Anchorage.

Material: Aluminum Alloy and Brass

Minimum Breaking Strength: 23kN

Flange Width: 75mm to 150mm

Certified to: EN 795:2012 Type B, AS/NZS 5532:2013 and ATEX 104/34/EU

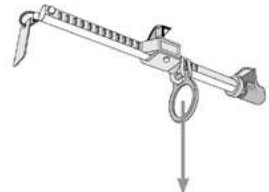
Conforms to: ANSI Z359.18-2017 Type A

Kgs 1.56kgs ± 0.01 kgs



ATEX 104/34/EU

Used in Industry



Tested direction of loading

Beam Anchor Trolley | SA 15

FEATURES

- Provides a movable Anchorage Point using the length of the beam to which it is mounted, to move along with the user.
- Highly corrosion resistant and easy to install.
- Comes with adjustable flanges for use on different beam sizes.
- This trolley allows continuous safe Anchorage by allowing the Anchor Point to travel across the length of the beam, along with the user.
- The wheels of the trolley provide extremely smooth movement over the beam, over which it is mounted.

Material: Aluminum Alloy and Stainless steel

Minimum Breaking Strength: 23kN

Flange Width: 80mm to 250mm

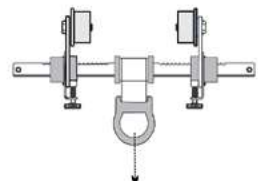
Certified to: EN 795:2012 Type B, AS/NZS 5532:2013

Conforms to: ANSI Z 359.1-2007

Kgs 4.2kgs ± 0.01 kgs



Used in Industry



Tested direction of loading

ANCHORAGES

Beam Anchor Trolley | SA 15A

FEATURES

- Provides a movable Anchorage Point using the length of the beam to which it is mounted, to move along with the user.
- Highly corrosion resistant and easy to install.
- Comes with adjustable flanges for use on different beam sizes.
- This trolley allows continuous safe Anchorage by allowing the Anchor Point to travel across the length of the beam, along with the user.
- The wheels of the trolley provide extremely smooth movement over the beam, over which it is mounted.

Material: Aluminum Alloy and Stainless steel

Minimum Breaking Strength: 23kN

Flange Width: 80mm to 250mm

Certified to: EN 795:2012 Type B, AS/NZS 5532:2013 and ATEX 2014/34/EU

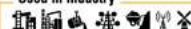
Conforms: ANSI Z359.18-2017 Type A

Kgs 3.9 kg $\pm$ 0.01 kg

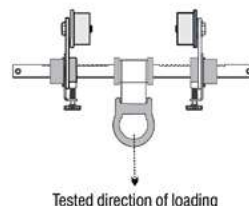


ATEX 2014/34/EU

Used in Industry



Flange width adjustable from
80mm to 250mm



Di-Electric Beam Anchor Trolley | SA 15B

FEATURES

- Provides a movable anchorage point using the length of the beam to which it is mounted to move along with the user.
- Highly corrosion resistant and easy to install.
- Comes with adjustable flanges for use on different beam sizes
- This trolley allows continuous safe anchorage by allowing the anchor point to travel across the length of the beam along with the user.
- The wheels of the Trolley provide extremely smooth movement over the beam over which it is mounted.

Note: Consists of electrically insulated rollers for safe working in conditions where there are chances of possible electrical hazards.

Minimum di-electric resistance: 30kV.

Material: Aluminum Alloy and Stainless steel

Minimum Breaking Strength: 23kN

Flange Width: 80mm to 250mm

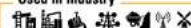
Certified to: EN 795:2012 Type B, AS/NZS 5532:2013

Conforms: ANSI Z 359.18-2017

Kgs 3.7 kg $\pm$ 0.01 kg



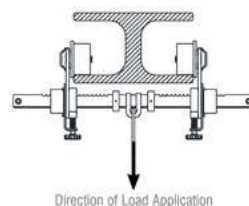
Used in Industry



Flange width adjustable from
80mm to 250mm



Length of Webbing
170mm $\pm$ 5mm



Beam Anchor | SA 27

FEATURES

- A temporary transportable anchor device provides an anchorage point while being attached safely onto a beam without penetrating it.
- The Beam Anchor arm has flanges made of stainless steel, and is adjustable to suit different beam sizes.
- Once installed, the D-ring on the aluminum bar of the beam anchor can be used for connection with a variety of connectors for suitable anchorage.

Material: Aluminum Alloy and Stainless steel

Minimum Breaking Strength: 23kN

Flange Width: 90mm to 290mm

Certified to: EN 795:2012 Type B, AS/NZS 5532:2013 and ATEX 2014/34/EU

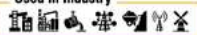
Conforms: ANSI Z 359.1-2007

Kgs 2.8kgs $\pm$ 0.01kgs

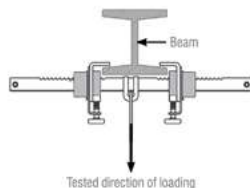


ATEX 2014/34/EU

Used in Industry



Flange width adjustable from
90mm to 290mm



Parapet Anchor | SA 11

FEATURES

- KARAM Parapet Anchor provides a safe anchorage point on Parapets and facades for use on various structures.
- A regular Screw-bolt anchor cannot be used in such places because it may damage the base structure, KARAM Parapet Anchor preserves the look of the parapet and facade, while providing a safe anchorage point.
- The soft part on the inner side of the flanges also ensures that the Parapet is not damaged.
- Has adjustable Flanges which makes the device versatile for use on various structures having a width ranging from 60mm to 360mm

Material: Alloy Steel with ED coated Black

Minimum Breaking Strength: 23kN

Flange Width: 60mm to 360mm

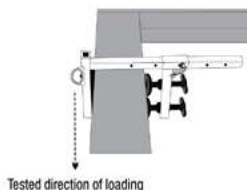
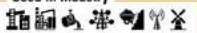
Certified to: EN 795:2012 Type B

Conforms: ANSI Z359.18-2017 Type A

Kgs 9.0 Kg $\pm$ 0.1 Kg



Used in Industry



ANCHORAGES

Parapet Anchor With Extended Movable Arm | SA 11B

FEATURES

- Provides a safe anchorage point on Parapets and facades for use on various structures
- The soft part on the inner of the adjustable flanges also ensures that the Parapet is not damaged
- SA 11B consists of extended movable arm which allows installation on the Parapet with mounting on outer edge

Material: Alloy Steel with ED coated Black

Minimum Breaking Strength: 23kN

Flange Width: 60mm to 360mm

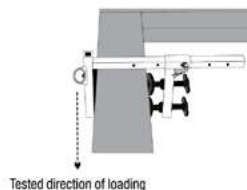
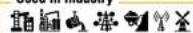
Certified to: EN 795:2012 Type B

Conforms to: ANSI Z359.18-2017 Type A

Kgs 9.56kgs $\pm$ 0.1kgs



Used in Industry



Vertical Beam Anchor | SA 110

FEATURES

- Designed to clamp vertically to create a fixed anchor point.
- Extremely rugged, compact in size and its lightweight design makes the beam clamp convenient and a reliable anchoring point.
- Easily installed without the use of any tools or fasteners.
- Easily fitted and removed using the adjustment nut and locking pin.
- Beam anchor is connected with a swivel D-Ring, which allows 360° rotation.
- Has flanges made of stainless steel which are adjustable to suit different beam sizes.

Material: Aluminum Alloy & Alloy Steel

Minimum Breaking Strength: 23kN

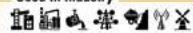
Flange Width: 90mm to 340mm

Certified to: EN 795:2012 Type B

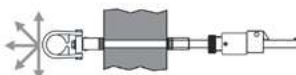
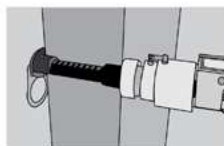
Kgs 2.62kgs $\pm$ 0.02kgs



Used in Industry



Flange width adjustable from
90mm to 340mm



Dam Anchor | SA 112

FEATURES

- Provides a safe anchorage point on Dam wall.
- Suitable to be installed on varying thickness of the Dam wall with adjustment feature provided.
- Can be tightened by the use of rubber disks provided.
- The soft part on the inner side of the adjustable flanges also ensures that the parapet is not damaged.
- Equipped with four pulleys and four anchor points.
- Tested and certified for 2 users.

Material: Aluminum Alloy & Alloy Steel

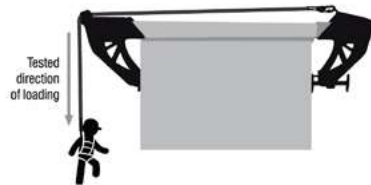
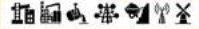
Minimum Breaking Strength: 13kN

Flange Width: 500.0mm to 1035.0mm

Certified to: EN 795:2012 Type B

Conforms to: TS 16415:2013 Type B (2 user)

Used in Industry



Kgs 17.30kgs ± 0.02kgs



Girder And Concrete Steel Anchor | SA 13 and SA 13A

FEATURES

- Girder Anchor SA 13 can be installed on a steel structure whereas **Concrete Steel Anchor SA 13A** can be installed on steel structure and concrete wall. Both these Point Anchors can be installed easily with one hand without the use of any tools and fasteners.
- Both SA 13 and SA 13A are provided with green indicator band which becomes visible when the installation is complete to indicate fool-proof safety.

Material: Stainless Steel and Alloy Steel

Minimum Breaking Strength: 23kN

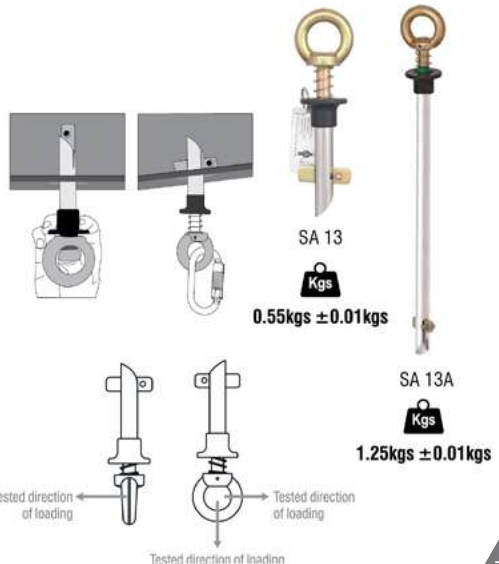
Thickness of Structure: SA 13 upto 40mm and SA 13A upto 340mm

Preformed Hole of Dia: 21mm to 30mm

SA 13 and SA 13A Certified To: EN 795:2012 Type B, AS/NZS 5532:2013 and ATEX 2014/34/EU

SA 13 and SA 13A Conforms To: ANSI Z359.18-2017 Type A

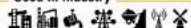
Used in Industry



ATEX 2014/34/EU

Concrete Anchor | SA 16

Used in Industry



FEATURES

- Designed in a way that it can be removed from the structure, without damaging the structure or anchor, thus allowing reuse.
- Can be installed through a pre-defined hole of diameter 19mm through a drilling depth of 110mm.
- The flanges are pulled in when the eye of the anchor is pulled along the anchor to pass through the hole. When the eye is released, these flanges fan out along the outer part of the concrete wall, and hold the anchor in its place.

Material: Galvanized Wire Rope of dia 6.0mm

Minimum Breaking Strength: 23kN

Certified to: EN 795:2012 Type B, AS/NZS 5532:2013 and ATEX 2014/34/EU



Example of Application



Kgs 150gms $\pm$ 10gms



ATEX 2014/34/EU

Edge Anchor | SA 20 and SA 20L

Used in Industry



The uniquely designed KARAM Edge Anchor allows multi-depth adjustment to suit varying roof cladding profiles.



SA 20

Kgs 3.0kgs $\pm$ 0.1kgs



SA 20L

Kgs 3.15kgs $\pm$ 0.1kgs



FEATURES

- Designed for single user only, this Edge Anchor is robust, light in weight, collapsible and portable for easy transport, storage and usage
- Having energy absorbing arm with fall indicator, it provides additional safety to the user while working

Material: Aluminum Alloy

Minimum Breaking Strength: 15kN

Range of Cladding Profile: SA 20 Upto 30mm and SA 20L Upto 50mm

Certified to: EN 795:2012 Type B, AS/NZS 5532:2013



Steel Edge Anchor | SA 83

FEATURES

- The unique design of the Steel Edge Anchor allows multi-depth adjustment to suit varying roof cladding profiles.
- Designed for the use of Single user only.
- Light weight and easy to use.

Material: Alloy Steel

Minimum Breaking Strength: 15kN

Finish: ED Coated Black

Certified to: AS/NZS 5532:2013 & EN 795:2012

Kgs 1.52kgs ± 0.05 kgs



Used in Industry



Flat Bar Anchor | SA 84

FEATURES

- Anchor designed to be fixed on trapezoidal roof with help of screws directly on the purlins of the structure.
- Eye having $\varnothing 25.0$ mm to be used as anchor point.

Material: Alloy Steel with ED coated black

Minimum Breaking Strength: 15kN

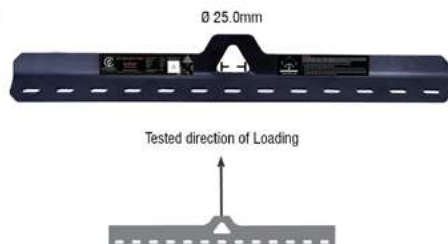
Certified to: AS/NZS 5532:2013

Conform to: EN 795:2012

Kgs 1.27kgs ± 0.05 kgs



Used in Industry



Container Anchor Post With Swivel Anchorage Eye SA 48 and SA 48(SW) and SA 48(SWS)

Used in Industry



SA 48

15.83kgs $\pm$ 0.05kgs

SA 48(SW)

16.82kgs $\pm$ 0.05kgs

SA 48(SWS)

15.10kgs $\pm$ 0.05kgs

FEATURES

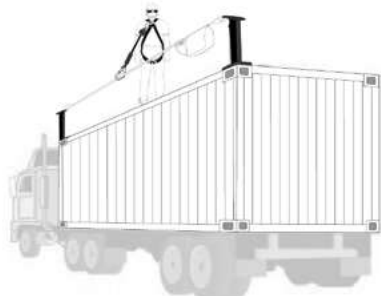
- In addition to be used as a stand alone anchor post, Container Anchor Post can also be used to form a Horizontal Lifeline over the top of container depending upon the requirement of work to be done.
- Comes with a side lock & tag line arrangement for easy & secure installation by one person only
- Consists of side handle with special grip for easy carrying and safe transportation.
- Can be easily removed without damaging the container
- SA 48 is compatible with KARAM Horizontal Lifelines PN 3000, PN 3001 & PN 3002
- Has Four Holes on the anchor plate, which can itself be used for making connections as anchor points
- SA 48(SW) consists of one swivel eye whereas, SA 48(SWS) has two swivel eye for anchorage/ making connections.

Material: Alloy Steel with ED coated Black

Minimum Breaking Strength: 15kN

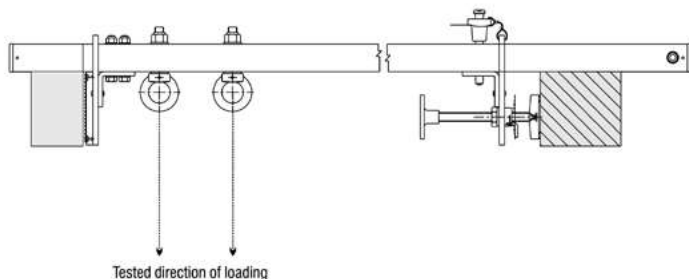
Certified to: EN 795:2012 Type B

Conform to: ANSI Z359.18-2017



Door Anchor | PN 802

Used in Industry



FEATURES

- The New KARAM Door Anchor provides a non-penetrating anchor point and can be easily installed inside the interior of a building or window opening enabling the most difficult jobs to get done safely and with confidence.
- KARAM Door Anchor can be installed by just compressing it against the door or window frame, jamming itself between the two vertical sides.
- It is made of a highly corrosion resistant Aluminium Alloy.
- The Arms of the KARAM Door Anchor are adjustable, enabling installation on door / window frames of width from 60 cm to 125 cm.
- Fast and easy Installation with built in adjustment knob hence no tools or drilling is required.
- Extremely portable design for easy transport, storage and usage.
- Provided with two separate eye bolts enabling anchorage by two personnel at the same time.
- Certified for 2 users.

Material: Aluminium Alloy

Minimum Breaking Strength: 15kN

Certified to: EN 795:2012 Type B, TS 16415:2013 Type B (for upto 2 users)



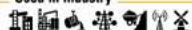
4.85 kgs $\pm$ 0.05kgs



Webbing Anchors

Cross Arm and Concrete Arm Strap

Used in Industry



KARAM provides a wide range of Cross Arm and Concrete Anchor Straps of various configurations and lengths that can be altered as per the requirement.

These can be slipped around any concrete structure, or around pillars or poles, and then used successfully as an Anchorage Point. Has Minimum Breaking Strength of 18kN for 3 minutes.

Cross Arm Strap

PN 803



Cross Arm Strap

PN 804



Cross Arm Strap

PN 805



TECHNICAL SNAPSHOT

Product Code	PN 803	PN 804	PN 805
Material	44 mm wide Polyester webbing	44 mm wide Polyester webbing	44 mm wide Polyester webbing
Length	1.2mtrs, 1.5mtrs and 2.0mtrs	1.0mtrs, 1.5mtrs and 2.0mtrs	1.0mtrs, 1.5mtrs and 2.0mtrs
Attachment End	D-Ring at one end and textile loop at the other end	D-Ring on both the ends	D-Ring at one end and textile loop at the other end. Provided with a polyester covering on the load-bearing face of the webbing, for abrasion resistance
Breaking Strength	18kN for 3 minutes	18kN for 3 minutes	18kN for 3 minutes
Certified to	EN 795:2012 Type B, AS/NZS 5532:2013	EN 795:2012 Type B, EN 566:2017, AS/NZS 5532:2013	EN 795:2012 Type B, EN 566:2017, AS/NZS 5532:2013

Webbing Anchors

Used in Industry



Cross Arm Strap

PN 806



Cross Arm Strap

PN 807



Cross Arm Strap

PN 808



TECHNICAL SNAPSHOT

Product Code	PN 806	PN 807	PN 808
Material	44 mm wide Polyester webbing	25 mm wide Polyester webbing	44 mm wide Polyester webbing
Length	1.0m, 1.5m, 1.8m and 2.0m	0.6m, 1.0m and 1.5m	0.5m or as requested
Attachment End	Small D-Ring at one end and a bigger D-Ring at other end.	NA	Loops at both the ends
Breaking Strength	18kN for 3 minutes	18kN for 3 minutes	18kN for 3 minutes
Certified to	EN 795:2012 Type B, AS/NZS 5532:2013	EN 795:2012 Type B, EN 566:2017, AS/NZS 5532:2013	EN 795:2012 Type B, EN 566:2017,

Concrete Anchor Strap

PN 809



Concrete Anchor Strap

PN 811



Concrete Anchor Strap

PN 812



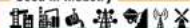
TECHNICAL SNAPSHOT

Product Code	PN 809	PN 811	PN 812
Material	50 mm wide Polyester webbing	50 mm wide Polyester webbing	50 mm wide Polyester webbing
Length	1.0m, 1.5m, 1.8m and 2.0m	1.0m, 1.5m, 1.8m and 2.0m	1.0m, 1.5m, 1.8m and 2.0m
Attachment End	Loops at both the ends	Loop at one end and a stamped D-ring at other end	Loop at one end and a stamped D-ring at other end
Breaking Strength	18kN for 3 minutes	18kN for 3 minutes	18kN for 3 minutes
Certified to	EN 795:2012 Type B, AS/NZS 5532:2013	EN 795:2012 Type B	EN 795:2012 Type B

Anchorage Wire Rope Slings

Anchorage Wire Rope Slings are highly resistant to wear and can be used around edges structures.

Used in Industry



Anchorage Steel Wire Rope Sling

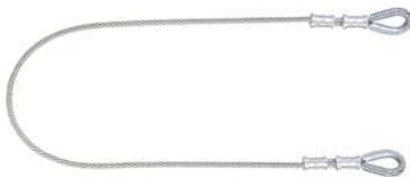
PN 813



II 2G
ATEX 2014/34/EU

Anchorage Stainless Steel Wire Rope Sling

PN 814



TECHNICAL SNAPSHOT

Product Code	PN 813	PN 814
Material	PVC Coated Galvanized Iron Wire of dia 8.0mm	Stainless Steel Wire Rope of dia 8.0mm
Length	1.0m, 1.5m, 1.8m and 2.0m	1.0m, 1.5m, 1.8m and 2.0m
Attachment End	Steel thimbles at both the ends.	Steel thimbles at both the ends.
Breaking Strength	23kN	23kN
Certified to	EN 795:2012 Type B and ATEX 2014/34/EU	EN 354:2010 and EN 795:2012 Type B

TELESCOPIC POLE SYSTEM

PN 815

Telescopic Pole is a perfect solution to create overhead anchors at unreachable heights. It is light in weight, made up of fibre glass, and can be effectively used to install an anchorage point from a distance.

FEATURES

- The total weight of the Telescopic Pole assembly without the hook is approx. 4.6kg, hence can be easily carried.
- Working reach with extension: 10.5m and without extension: 9.5m.
- Dielectric resistance: 30kV
- Comes with an option of using either the steel anchorage hook PN 156, or the Aluminum Anchorage Hook PN 154, to anchor at the required distance.

HEAD

PN 815(01)

- Length: 240.0mm
- Weight: 185gms



EXTENSION SECTION

PN 815(02)

- Length: 1.0m
- Weight: 425gms



HANGING HOOK

PN 815(03)

- Material: Alloy Steel, plastic moulded
- Weight: 190gms

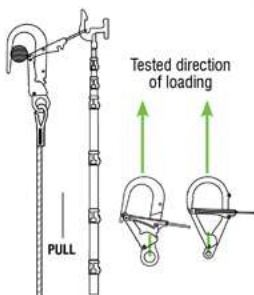
Molded nut with Screw pin with a ring on head to enable easy adjustment and to restrict unnecessary movement during usage.



TELESCOPIC POLE

PN 815(04)

- Material: Fiberglass
- Maximum length: 7.95m
- Minimum length: 1.95m
- Weight: 3.80kg



ALUMINUM ANCHORAGE HOOK

PN 154

- Material: Aluminum Alloy
- Opening: 55.0mm
- Minimum Breaking Strength: 22kN
- Weight: 480gms
- Finish: Natural Silver / Coloured Anodized
- Certified to: EN 362:2004 Class A; EN 795:2012 Type B



STEEL ANCHORAGE HOOK

PN 156

- Material: Alloy Steel
- Opening: 90.0mm
- Minimum Breaking Strength: 22kN
- Weight: 880gms
- Finish: Silver / Golden Yellow Galvanized
- Certified to: EN 795:2012 Type B

TELESCOPIC POLE FOR RESCUE

This Rescue Pole is made from fiber glass and is extremely light in weight. Can be used as an extension to rescue a fall victim without descending to the victim for rescue.

FEATURES

- Portable and easy to carry
- Comes with an option of Aluminium Rebar Hook PN 136 to anchor at the required distance.



PN 821N

PN 821L



TECHNICAL SNAPSHOT

Product Code	PN 821L	PN 821N
Material	Carbon Fiber	Carbon Fiber
Length	0.75m	0.75m
Maximum Expanded Length	3.5m	3.0m
Weight	840gms	739gms

TYPE E ANCHOR

Type E anchor devices are created by connecting multiple sections of mass to create a large deadweight and, in many cases, are designed to be used on multiple roof surfaces without the need to affect the roof integrity.

DEAD WEIGHT ANCHOR

SA 33

KARAM offers the Dead Weight Anchor which provides an anchorage point on the roofs in absence of guard rails or permanent anchorage devices without damaging the roof surface. Can be dismantled & transported by a single person, since the individual elements do not weigh more than 25 kg each.

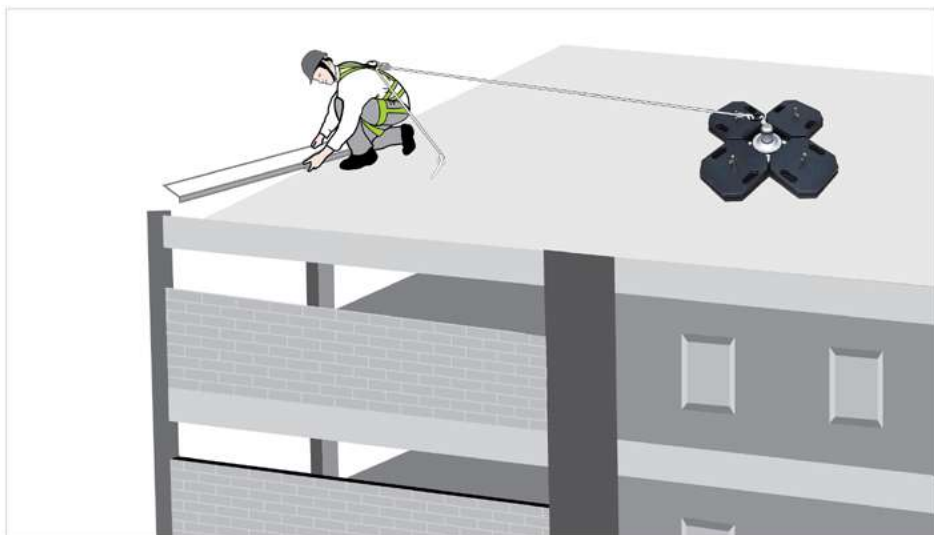


FEATURES

- Has top steel plates which are hot dip galvanized / ED coated and provide the required weight.
- The bottom plates are rubber coated to provide proper grip over the roof surface. All the plates are held together by steel cross bars.
- Central extended anchorage eye provides anchorage for upto 2 users and ensures that the connecting lanyard does not rub onto the ground
- Can be used as a fall restraint system

TECHNICAL SNAPSHOT

Ref.	Material	Finish	Minimum Breaking Strength of System	Total System Weight	Max weight of individual plates (max 10 plates)	Conforms to
SA 33	High Strength Alloy Steel	ED coated black	13kN	250kgs	25kgs	EN 795:2012 Type E and TS16415:2013 Type E



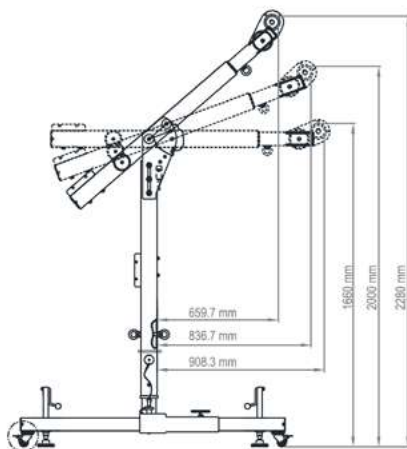
A full-page background image showing industrial workers in a confined space. One worker in the foreground is pulling a rope connected to a pulley system. Another worker is visible in the background. The scene is filled with industrial structures and scaffolding. A large yellow diagonal line cuts across the image from the bottom left to the top right.

CONFINED SPACE

ENTRY
SYSTEMS

H-Base Davit

DA 01



SA 17(26)
Universal Mounting Bracket for mounting Retrieval Blocks
*to be purchase separately

Parts of H-Base Davit



H-Base sub assembly complete for Davit
DA01 (SUB3)



Lower Mast (54 Inch)
DA01 (SUB4)



Lower Mast (36 Inch)
DA01 (SUB5)



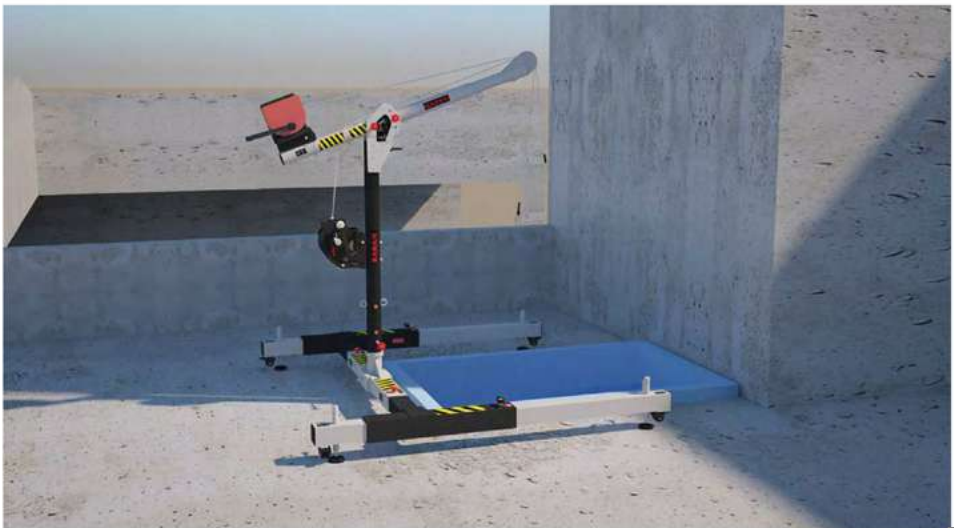
Upper Offset Mast (boom)
DA04 (06)

TECHNICAL SNAPSHOT

Material	Min- Max. Opening of H Base	Maximum Load Capacity	Finish	System Strength	Weight
High strength and durable Aluminium Alloy	Ø1100mm - Ø1510mm	500kgs	Powder Coated	21kN	62.56kgs ± 0.10kgs

FEATURES

- DA 01 system is designed with five components that can be easily stored, transported, and set up without the need for tools.
- Its modular design allows for the use of various fixed and portable bases, as well as an optional mast with extensions.
- The Upper Offset Mast (Boom) of the system offers three adjustment positions, allowing users to adjust the height according to their requirements. Additionally, the system features foldable legs, making transportation and installation convenient.
- For rescue purposes, the DA 01 system includes multiple anchorage points. These points provide options for securing and rescuing individuals in need.
- One of the notable features of the system is its inbuilt swivel capability. By removing the locking pins provided to secure the lower mast and H-Base, the Davit lower mast assembly can be rotated up to 360°, even while under load.
- To ensure proper installation, a spirit leveller is included in the base assembly. This allows users to check the accuracy of the surface level and ensure that the davit is balanced during installation.
- For easy installation of a winch and retrieval, the DA 01 system comes with two pre-installed lower mounting bracket assemblies. These assemblies facilitate the installation of compatible KARAM Winches PN 801 (DP), PN 817 (DP), PN 818 (C) (DP), PN 818 (DP), and PN 818SR (DP) and Retrieval Blocks PCGS 20R and PCGS 30R.
- In order to mount the retrieval block on the lower mast, the system includes a bracket lower assembly. This assembly can be used in conjunction with the universal mounting bracket SA 17(26).
- Certified to EN 795:2012 Type B, Atex 2014/34/EU and AS/NZS 5532:2013.



Floor Mounted Davit

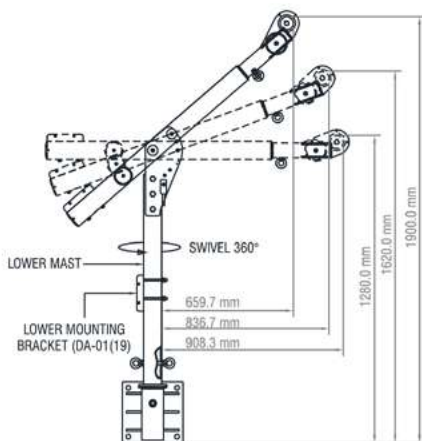
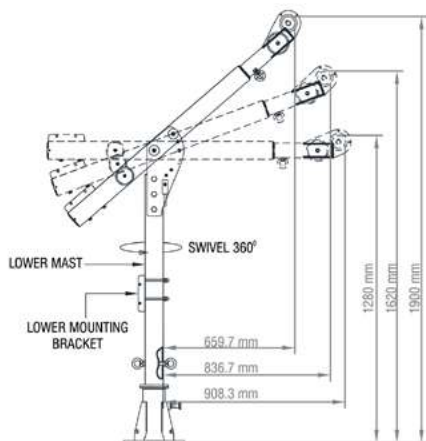
DA 02



SA 17(26)
Universal Mounting Bracket for
mounting Retrieval Blocks
*to be purchase separately

Wall Mounted Davit

DA 03



Parts of Floor Nad Wall Mounted Davit



**Floor Mounting
Bracket
PN 900(01)**



**Wall mounting
bracket
PN 900(02)**



**Lower Mast
(54 Inch)
DA01 (SUB4)**



**Lower Mast
(36 Inch)
DA01 (SUB5)**



**Upper Offset
Mast(boom)
DA04 (06)**

TECHNICAL SNAPSHOT

Product code	Material	Maximum Load Capacity	Finish	System Strength	Weight
DA 02	High strength and durable Aluminium Alloy	500kgs	Powder Coated	21kN	53.87kgs $\pm$ 0.10kgs
DA 03					54.41kgs $\pm$ 0.10kgs

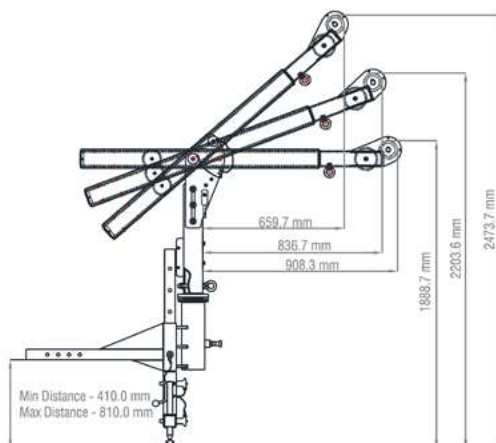
FEATURES

- The Floor Mounted Davit (DA 02) and the Wall Mounted Davit (DA 03) are both designed to provide safe and secure access to confined spaces.
- Both Davits can be installed on various surfaces such as concrete, metal structures.
- Both Davits come with pre-installed lower mounting bracket assemblies DA-01/DA-01(19) to facilitate the installation of winches and retrieval systems, allowing for a complete confined space entry and exit system.
- Both Davits have multiple anchorage points for rescue purposes, providing versatility in rescue operations and enabling effective retrieval of personnel during emergencies.
- Special mounting brackets PN 900(01) for the floor and PN 900(02) for the wall ensure stable and secure attachment of the Davits, enhancing system safety.
- Both the Davits include a separate rope access and rescue pulley, as well as an anchor point designed for use with 10.5mm to 13.0mm kernmantle rope, expanding their functionality for rope access and rescue operations.
- The Davits DA02 and 03 are compatible with various KARAM Winches PN 801(DP), PN 817(DP), PN 818(DP), PN 818SR(DP) and Retrieval Blocks PCGS20R, PCGS30R for seamless integration into the safety system.
- The retrieval block can be mounted on the Davit lower mast using a lower bracket assembly and a universal mounting bracket SA-17(26), allowing for proper positioning during rescue and retrieval operations.
- Davits DA02 and 03 are certified to EN 795:2012 Type B, Atex 2014/34/EU, and AS/NZS 5532:2013 standards, ensuring compliance with safety regulations.



Hitch Mounting Davit

DA 05



SA 17(26)
Universal Mounting Bracket for mounting Retrieval Blocks
*to be purchase separately

Parts of Hitch Mounting Davit



Lower Mast
DA 05(Sub1)



Tow-Hitch
DA05(07)



Lower Mast (54 Inch)
DA01 (SUB4)



Upper Offset Mast(boom)
DA04 (06)

TECHNICAL SNAPSHOT

Material	Maximum Load Capacity	Finish	System Strength	Weight
High strength and durable Aluminium Alloy	500kgs	Powder Coated	15kN	56.54kgs

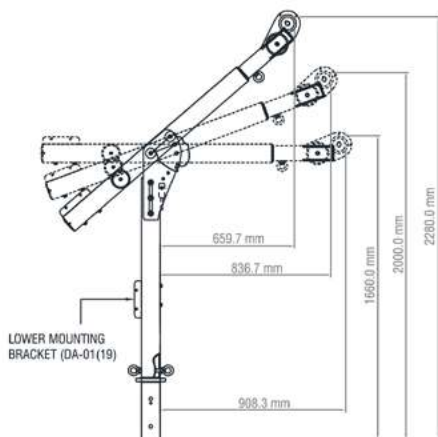
FEATURES

- The Hitch Mounting Davit (DA 05) is a portable fall arrest system that offers a safe and secure solution for accessing confined spaces where overhead support structures are not available.
- The Davit can be easily and quickly attached to a vehicle with a tow hitch. This allows for convenient transportation and deployment of the system.
- The system comes with an upper mast offset (boom) that offers three adjustment positions. Users can adjust the height of the arm according to their requirements, providing flexibility in different confined space situations.
- The Davit includes a foldable leg, which aids in transportation and installation. The leg can be folded when not in use, making it easier to store and carry the system.
- The Hitch Mounting Davit is compatible with specific KARAM winches, such as PN 801(DP), PN 817(DP), and PN 818(DP). It is also compatible with retrieval blocks PCGS 20Rand PCGS 30R. Each of these devices has its respective mounting bracket SA 17(26) for secure attachment to the Davit.
- The trailer hitch mount of the Davit is designed to fit into a 2" (51.0mm) hitch receiver. This allows the system to be attached to any vehicle with a compatible hitch receiver, providing a portable anchor point for confined space entry, retrieval, rescue, and fall arrest operations.
- Certified to EN 795:2012 Type B.



Flush Mounted Davit

DA 06



SA 17(26)
Universal Mounting Bracket for mounting Retrieval Blocks
*to be purchase separately

Parts of Flush Mounted Davit



Core Mounting
Sleeve Assembly
DA 06 sub 1



Core Mounting
Sleeve Assembly
DA 06 (SUB1) EC



Lower Mast (54 Inch)
DA01 (SUB4)



Lower Mast (50 inch)
DA01 (SUB5)



Upper Offset Mast (boom)
DA04 (06)

TECHNICAL SNAPSHOT

Material	Drilling dia recommended	Maximum Load Capacity	Finish	System Strength	Weight
High strength and durable Aluminium Alloy	112mm dia. upto 274mm deep	500kgs	Powder Coated	21kN	32.78kgs $\pm$ 0.10kgs

FEATURES

- The DA 06 system you described is designed to provide overhead anchorages in large holes of confined spaces.
- The DA 06 system comes with two pre-installed lower mounting bracket assemblies (DA-01(19)), making it easy to install winches and retrieval devices on the Davit. This simplifies the setup process and ensures compatibility with the equipment.
- The system includes multiple anchorage points, which are useful for rescue purposes. These points allow for the connection of various fall protection devices or rescue equipment, enhancing safety during confined space operations.
- The Davit lower mast assembly of the DA 06 system is equipped with an inbuilt swivel feature. This enables the rotation of the column assembly even under load, with a range of up to 360°. Locking pins are provided to secure the desired position.
- The system consists of a core mounting sleeve assembly, which is used for installation on concrete structures or preformed concrete casting. This involves drilling a hole with a diameter of 112 mm and a depth of up to 274 mm. The assembly provides a secure and stable anchor point.
- The DA 06 system is compatible with KARAM Winches PN 801(DP), PN 817(DP), PN 818(DP), PN 818SR(DP), and Retrieval Blocks PCGS 20R and PCGS 30R. It also allows for the mounting of the Retrieval Block on the lower mast using the universal mounting bracket SA-17(26).
- Certified to EN 795:2012 Type B, Atex 2014/34/EU and AS/NZS 5532:2013.



Dead Weight Davit

DA 07



SA 17(26)
Universal Mounting Bracket
for mounting Retrieval Blocks
*to be purchase separately

Parts of Dead Weight Davit



Trolley
DA 07SUB2



Dead Weight(26 Nos.)
DA 07(04)SUB2
650.0 kgs $\pm$ 0.20 kgs



Lower Mast (54 Inch)
DA01 (SUB4)



Upper Offset Mast(boom)
DA04 (06)

TECHNICAL SNAPSHOT

Material	Maximum Load Capacity	Finish	System Strength	Weight
High strength and durable Aluminium Alloy	500kgs	Powder Coated	21kN	750kgs $\pm$ 0.20kgs including 650kgs dead weight

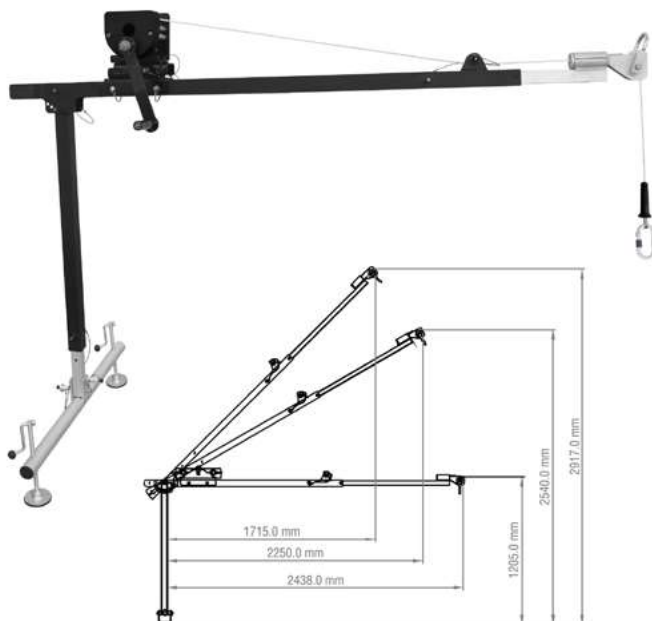
FEATURES

- The Dead Weight Davit is a portable fall arrest system designed to provide a safe and secure means of accessing confined spaces where traditional overhead support structures and base grouting are not feasible.
- The system consists of a dead weight trolley with 650kgs dead weight plates (excluding trolley weight), providing stability during operation. This ensures that the system remains secure and steady during use.
- The Dead Weight Davit is designed to be compatible with specific KARAM Winches, including PN 801(DP), PN 817(DP), and PN 818(DP). It also works with Retrieval Blocks PCGS 20R and PCGS 30R. Each of these components can be mounted using their respective mounting bracket SA 17(26).
- The system is equipped with wheels on the trolley, making it easy to move from one location to another. This allows for flexibility and convenience when working in different areas.
- The upper mast offset (boom) of the Dead Weight Davit comes with three adjustable positions, enabling the user to set the height according to the specific requirements of the task or confined space being accessed.
- The trolley is equipped with a height adjuster, which ensures proper stability of the anchor post during operation. This feature enhances safety and security while working at heights.
- Certified to EN 795:2012 Type B.

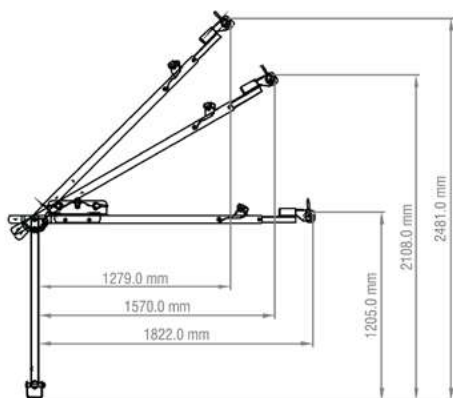


Extendable Pole Hoist Davit

DA 08



Full Extension Positions



Minimum Extension Positions



SA 17(26)
Universal Mounting Bracket
for mounting Retrieval Blocks
*to be purchase separately

Part of Extendable Pole Hoist Davit



Pole Hoist Davit Anchor
DA 08 (10)

TECHNICAL SNAPSHOT

Material	Maximum Load Capacity	Finish	System Strength	Weight
High strength and durable Aluminium Alloy	500kgs	Powder Coated	15kN	13.19kgs $\pm$ 0.10kgs

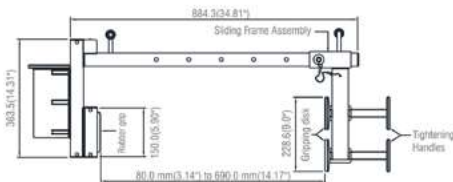
FEATURES

- The Davit system has three adjustment points, allowing it to be used in various locations where the anchor point is at a low level. This flexibility enables the system to adapt to different work environments.
- The end of the upper mast offset (boom) of the Davit system is equipped with an inbuilt swivel feature. This allows for rotation and movement, providing enhanced manoeuvrability during operations.
- The Upper mast offset (boom) of the system comes with three adjustable positions, allowing the user to adjust the height according to specific requirements. This adaptability ensures optimal positioning for the task at hand.
- The base of the Davit system is equipped with swivel pads. These pads help ensure balance and stability during installation, enhancing the safety and effectiveness of the system.
- The Davit system comes with preinstalled mounting brackets that are compatible with KARAM winches, including PN 801(DP), PN 817(DP), and PN 818(DP). It also works with Retrieval Blocks PCGS 20R and PCGS 30R. Each of these components can be mounted using their respective mounting bracket SA 17(26).
- The Davit system is designed to be used in both vertical and horizontal confined space entries. This versatility makes it suitable for various confined space applications where a regular anchorage system may not be feasible due to limited height constraints or specific entry requirements.
- Comes with anchor point DA 08(10) to be used to access the side entry vessels and tanks.
- Certified to EN 795:2012 Type B.



Parapet Adapter For Davit

DA 13



SA 17(26)
Universal Mounting Bracket for mounting
Retrieval Blocks
*to be purchase separately



Complete Assembly

Accessories Available



Lower Mast (54 Inch)
DA01 (SUB4)



Lower Mast (36 Inch)
DA01 (SUB5)



Upper Offset Mast(boom)
DA04 (06)

TECHNICAL SNAPSHOT

Material	Flange Width	Finish	System Strength	Weight
High strength Alloy Steel	90.0mm-690.0 mm	Powder Coated	15kN	27.10kgs

FEATURES

- The Parapet Adapter is specifically designed to be compatible with KARAM Davit/Mast systems. These systems are used for suspended access, such as window cleaning, maintenance, or other activities that require workers to access the exterior of a building.
- The adapter is intended to be installed on the parapet of a building, which is the low protective wall or railing along the edge of a roof, balcony, or terrace. It allows for the anchor point of the Davit/Mast system to be positioned at the top on the outside facade of the building.
- The Parapet adapter features a sliding frame assembly that enables installation on parapets of varying thickness. This adjustability ensures that the adapter can be securely attached to parapets with different dimensions.
- The device includes gripping disks or mechanisms that help tighten the adapter onto the parapet. These disks provide a secure grip and ensure stability, preventing the adapter from slipping or becoming loose during use.
- Certified to EN 795:2012 Type B, Atex 2014/34/EU and AS/NZS 5532:2013.



Defining A Tripod

A particularly challenging area of activity is when the worker is required to move into confined spaces. Not only is it required that the descent into such a space is made smooth and safe, but incase the depth into such areas is large, it becomes almost equivalent to working at a height. Hence, to protect the worker from falling into deep and narrow confinement also becomes the focus of concern. The KARAM Tripod is one such product that can be used for easy access by a worker into confined spaces such as Man-holes, Tanks, etc. It provides a means of controlled ascent and descent, as well as protection from falls, should the depth of the space require it.



ALUMINIUM EYE BOLTS

Two auxiliary eye bolts as attachment points tested to sustain a force of more than 23kN static force as per EN 795:2012 Type B.



TRIPOD HEAD

Robust Aluminium Alloy cast head with double integral head mounted pulleys permanently incorporated in the Tripod head and provides independent passing over of cable from a Winch and a Retrieval lock.



TELESCOPIC LEGS

Fully Adjustable Aluminium Alloy telescopic legs for use on level or uneven surfaces.



PRE- INSTALLED ATTACHMENTS

Has pre-installed universal Mounting attachments to easily mount the Winch and Retrieval Blocks onto the Tripod.



STURDY RUBBER SHOES

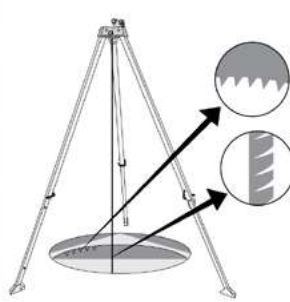
Steel support-shoes provided with rubber sole to increase friction and impart more stability



Points To Remember While Using The Tripod



The Tripod must be mounted where it can be leveled using the leg adjustments.



Avoid positioning the Tripod where the working line may abrade against sharp edges.



Position the Tripod such that the lifeline will be directly over the intended work area when installed.



The mounting surface onto which the Tripod is erected must meet minimum strength of static load of at least 12kN for Personnel Riding and Rescue.



The pins on the legs of Tripod must be securely locked for supporting the intended loading.



Never allow the working line to extend outside the legs of the Tripod. Tipping of the Tripod could occur.

Megapod

When it comes to the confined space entry / rescue, it is essential that the equipment operates perfectly and quickly. Keeping this in mind KARAM introduces Megapod, a convenient product that provides a stable overhead anchorage point.

The Megapod comes with a wide and fully adjustable aluminium telescopic legs for use in particularly challenging area of work eg. manholes, tanks etc.

SA 17

FEATURES

- Available in 7ft & 10ft height, the Megapod is equipped with high quality, rugged systems that ensure superior performance.
- Made from Aluminium that makes it extremely lightweight and portable, easily set-up by just one worker and can be transported from one work area to another.
- Ideal for confined space entry and emergency rescue applications. Can be used easily with all KARAM Winches and fall arrest devices eg. Blocks.
- Consists of pre-installed universal mounting attachments to easily mount the Winch and Retrieval Block when used with SA 17(25) Winch Bracket and SA 17(26) Retrieval Bracket.
- Inner and outer adjustment can be achieved by sliding telescope legs.
- Can be used with all the Winches PN 801(DP), PN 817(DP), PN 801(40)(DP), PN 818(DP), PN 818SR(DP), PN 818(C)(DP) and Retrieval Fall Arrester Blocks PCGS 20R, PCGS 25R and PCGS 30R with the help of their universal mounting brackets for Winches and Retrieval Blocks respectively.
- Double pulley system permanently incorporated in the cast aluminum head of the Megapod, and provides independent passing over of cable from a Winch and a Retrieval Block.
- 2 auxiliary eye bolts for easy over head anchorage



SA 17(W) 7ft, SA 17(W) 10ft Megapod 7ft and 10ft also available with wheels that have a locking feature for mobility and stability during usage.



FOOT REST PN 800(42) Can be installed on the leg of the Megapod for easy accessibility to the cast head for passing the wire through pulleys.



Product Code	Picture	Bracket used for Mounting
SA 17(25)		Winches PN 801(DP), PN 801(40)(DP), PN 817(DP), PN 818(DP), PN 818SR(DP), PN 818(C)(DP)
SA 17(26)		Retrieval Blocks PCGS 20R, PCGS 25R, PCGS 30R

TECHNICAL SNAPSHOT

Product Code	SA 17(7FT)	SA 17(10FT)	SA 17(W)(7FT)	SA 17(W)(10FT)
Material	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Wheelbase Footprint (Ø)	2.0m	2.50m	2.0m	2.50m
Max. Load Capacity	500 kgs	500 kgs	500 kgs	500 kgs
Certified to	EN 795:2012 Type B, ATEX 2014/34/EU AS/NZS 5532:2013 Conforms to ANSI Z359.18-2017 Type A		EN 795:2012 Type B, ATEX 2014/34/EU	
System Strength	23kN	23kN	23kN	23kN
Weight	19.0kg ± 0.10kgs	23.83kg ± 0.10kgs	19.34kg ± 0.10kgs	24.13kg ± 0.10kgs

Tripod

The KARAM Tripod has been designed for confined space entry/ retrieval applications. Its simplistic design allows easy set up providing the user a means of controlled ascent and descent in minimal time.

PN 800

FEATURES

- For access in confined spaces.
- With two mounted pulleys at the head of the Tripod in the prolongation of the main leg for passing a cable.
- Having two auxiliary eye bolts as attachment points.
- Steel support-shoes provided with rubber sole to increase friction and impart more stability.
- Can be used with Winches PN 801, PN 801(40), PN 817, PN 818, PN 818(SR), PN 818(C) when used with PN 800(44) Winch Bracket and Retrieval Blocks PCGS 20R, PCGS 25R and PCGS 30R when used with PN 800(45) Retrieval Bracket.
- PN 800(7ft) can also be used with Retrieval Fall Arrester Blocks PCGS 20R and PCGS 30R with the help of their respective mounting bracket.
- Comes with a sturdy bag to pack.

Product Code	Picture	Bracket used for Mounting
PN 800 A (R)(09)		For 30m Retrieval Block PCGS 30R
PN 800 A (R)(10)		For 20m Retrieval Block PCGS 20R



PN 800(W) 7ft and PN 800(W) 10ft Tripod 7ft and 10ft are also available with wheels that have a locking feature for mobility and stability during usage.

FOOT REST PN 800(42) Can be installed on the leg of the Megapod for easy accessibility to the cast head for passing the wire through pulleys.

TECHNICAL SNAPSHOT

Product Code	PN 800(7FT)	PN 800(10FT)	PN 800(W)(7FT)	PN 800(W)(10FT)
Material	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Wheelbase Footprint (Ø)	1.5m	2.0m	1.5m	2.0m
Max. Load Capacity	500 kgs	500 kgs	500 kgs	500 kgs
Certified to	EN 795:2012 Type B, ATEX 2014/34/EU, AS/NZS 5532:2013			
System Strength	23kN	23kN	23kN	23kN
Weight	12.15kg ± 0.10kg	17.01kg ± 0.10kg	17.95kg ± 0.10kg	22.60kg ± 0.10kg

Tripod with Double Pulley

The KARAM Tripod has been designed for confined space entry/ retrieval applications.

Its simplistic design allows easy set up providing the user a means of controlled ascent and descent in minimal time.

PN 800(DP)

FEATURES

- Double integral head mounted pulleys which is permanently incorporated in the cast aluminum head of the Tripod and provides independent passing over of cable from a Winch and a Retrieval Block.
- Two auxiliary eye bolts as attachment points.
- Consists of Steel support-shoes provided with rubber sole to increase friction and impart more stability.
- Every Tripod is provided with pre-installed universal mounting attachments to easily mount the Winch and Retrieval Blocks.
- Can be used with Winches PN 801(DP), PN 801(40) (DP), PN 817(DP), PN 818(DP), PN 818(SR)(DP), PN 818(C)(DP) when used with PN 800(44) Winch Bracket and Retrieval Blocks PCGS 20R, PCGS 25R and PCGS 30R when used with PN 800(45) Retrieval Bracket.
- Comes with a sturdy bag to pack.

Product Code	Picture	Bracket used for Mounting
PN 800(44)		Winches PN 801(DP), PN 817(DP)
PN 800(45)		Retrieval Blocks PCGS 20R, PCGS 30R



PN 800(DPW) 7ft and PN800 (DPW)10ft Tripod 7ft and 10ft are also available with wheels that have a locking feature for mobility and stability during usage.

FOOT REST PN 800(42) Can be installed on the leg of the Megapod for easy accessibility to the cast head for passing the wire through pulleys.

TECHNICAL SNAPSHOT

Product Code	PN800(DP)(7FT)	PN800(DP)(10FT)	PN800(DPW)(7FT)	PN800(DPW)(10FT)
Material	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Wheelbase Footprint (Ø)	1.5mtrs	2mtrs	1.5mtrs	2mtrs
Maximum Load Capacity	500 kgs	500 kgs	500 kgs	500 kgs
Certified to	EN 795:2012 Type B, ATEX 2014/34/EU, AS/NZS 5532:2013			
System Strength	23kN	23kN	23kN	23kN
Weight	12.25kg ± 0.10kgs	16.9kg ± 0.10kgs	12.55kg ± 0.10kgs	17.2kg ± 0.10kgs

Universal Mounting Brackets in Tripod PN 800 (DP) and Megapod (SA 17) Variants

	TRIPOD Ref. PN 800 (DP)			MEGAPOD Ref. SA 17		
						
KARAM offers Universal Mounting Brackets in its range of Tripods & Megapods for ease & convenience of the user. The "One Bracket Fits All Kind of Arrangements" has also been done to easily attach different variants of Winches & Retrieval Blocks on these Mounting Brackets.	Brackets used with Tripod variants			Brackets used with Megapod variants		
	PN 800(44) Sub 1	PN 800(44)	PN 800(45)	SA 17 (25) Sub 1	SA 17 (25)	SA 17 (26)
						
	Part of standard Tripod	Part of standard Winch		Part of standard Megapod	Part of standard Winch	
Supplied with Tripod and Megapod	Yes	No	No	Yes	No	No
Can be Purchased Separately	Yes	Yes	Yes	Yes	Yes	Yes
	Compatible with the following Products			Compatible with the following Products		
	Tripods	Winches	Retrieval Blocks	Megapods	Winches	Retrieval Blocks
	PN 800(DP) (7ft)	PN 801(DP)	PCGS 20R	SA 17 (7ft)	PN 801(DP)	PCGS 20R
	PN 800(DP) (10ft)	PN 817(DP)	PCGS 25R	SA 17 (10ft)	PN 817(DP)	PCGS 25R
	PN 800(DPW) (7ft)	PN 818(DP)	PCGS 30R	SA 17W (7ft)	PN 818(DP)	PCGS 30R
	PN 800(DPW) (10ft)	PN 818(SR) (DP)	NA	SA 17W (10ft)	PN 818(SR) (DP)	NA
	NA	PN 818(C)(DP)	NA	NA	PN 818(C) (DP)	NA
						

Hexapod

KARAM offers the Hexapod for entries in confined spaces which are below ground level and larger in hole size.



SA 43(W) Hexapod is also available with wheels that have a locking feature for mobility and stability during usage.



FOOT REST PN 800(42) Can be installed on the leg of the Megapod for easy accessibility to the cast head for passing the wire through pulleys.

SA 43

FEATURES

- Specifically designed for entry, rescue and lifting into confined spaces having larger openings and below the ground level.
- Ideal for use in trenches, large holes, mines and lift shafts.
- Made from lightweight Aluminium Alloy.
- Mobile Roller Pulley used as an anchor to provide user mobility over a span of maximum 2300 mm.
- Stopper to locate the anchorage point over the user's head on desired location of user.
- Can be used with three Aluminium Anchorage pulleys (AP 012SS) at the head of both the Tripods and Anchorage Pulley AP 017SS(BB) at centre for guiding the cable of rescue Winch.
- Can be used by two users in case of rescue only.
- Has two auxiliary eye bolts in both the Tripods each as an attachment points.
- Steel Support Shoes provided with rubber sole to increase friction and impart more stability.
- Hexapod is provided with inbuilt fixture for attaching our Winch PN 801A and Retrieval Blocks PCGS 20R, PCGS 25R and PCGS 30R with help of mounting bracket PN 800(45).

Accessories to be purchased separately



PCGS 30R



PN 800(45)



PN 801A



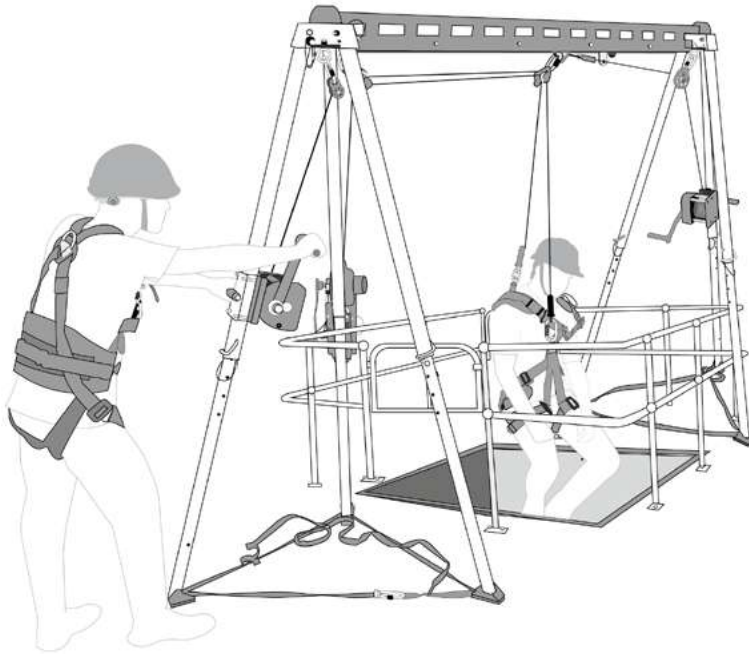
PN 112



AP 012(SS)



AP 017SS(BB)



TECHNICAL SNAPSHOT

Product Code	SA 43	SA 43(W)
Material	Hexapod cast head and leg: Aluminium Alloy Rail supported welded sub assembly: High strength Alloy Steel Locking pins material: Stainless Steel	
Height	2.15mtrs	2.15mtrs
Maximum Load Capacity	500 kgs	500 kgs
Certified to	EN 795:2012 Type B, TS 16415:2013 Type B (2 users), Atex 2014/34/EU(for upto 2 users)	NA
Conforms to	NA	EN 795:2012 Type B, TS 16415:2013 Type B, Atex 2014/34/EU(for upto 2 users)
System Strength	23kN	23kN
Weight	51.29 kgs $\pm$ 0.10kgs	53.28 kgs $\pm$ 0.10kgs
Max. Span Area	2300mm	2300mm

Quadpod

A new lightweight, versatile and durable system gives the rescuer the edge needed to safely perform the rescue in the minimum time.



SA 36

FEATURES

- Lightweight and with 4 legs, the Quadpod is an excellent tool for cliff top or mountain rescue and confined space rescue with its Multi-positioning, easily adjustable telescopic legs that extend from 1.21m to 1.75m.
- Better load distribution.
- Can be used with 4, 3, or 2 legs with the help of proper rigging.
- Consists of locking pins attached by cables.
- Has welded ring as well as central eye bolt to be used as anchorage point.
- Comes with a Ratchet Lashing System for providing stability in uneven surfaces.

Ratchet Lashing System

FEATURES



- Quantity provided with Quadpod: 4 nos.
- Provides stability in uneven surfaces.
- Equal distribution of load in all the directions.
- Provides excellent support at the time of rescue through stretcher when Quadpod is used with 3 legs.

TECHNICAL SNAPSHOT

Product Code	Material	Maximum Load Capacity	Height	Weight	Certified to
SA 36	Legs material: prime quality Aluminium Alloy. Welded head material: Alloy Steel Locking pins material: Prime quality Stainless Steel locking pin.	500kgs	1.21m to 1.75m	15.56 kg	EN 795: 2012 Type B and TS 16415:2013 Type B (for upto 2 users) ATEX 2014/34/EU

Quadpod With Double Pulley

Experience enhanced stability with the KARAM Quadpod, a superior alternative to traditional tripods. Designed to offer unparalleled support, the Quadpod SA 92 is perfect for various applications, including accessing confined spaces, navigating parapets, and tackling diverse scenarios. Its versatile head provides multiple connection options, ensuring effortless setup of hauling or lowering systems. For heightened efficiency during extrication, the optional Quadpod Winch can be securely attached to one of the legs. With adjustable legs featuring non-slip rubber feet, the Quadpod excels on a wide range of surfaces.



Mounting Brackets	Picture	Bracket used for Mounting
SA 17(25)		Winches PN 801(DP), PN 801(40)(DP), PN 817(DP), PN 818(DP), PN 818SR(DP), PN 818(C)(DP)
SA 17(26)		Retrieval Blocks PCGS 20R, PCGS 25R, PCGS 30R

SA 92

FEATURES

- Adjustable Height: Achieve a height range of 1.45m to 2.08m from ground level, catering to different requirements and working conditions.
- Minimum Height: Legs are spaced 1.1m apart at the foot point, promoting stability and balance.
- Maximum Height: Legs extend to 1.55m apart at the foot point, ensuring ample support even at greater elevations.
- Inner and Outer Sliding Mechanism: Easily customize the height by sliding the telescopic legs, providing flexibility in setup.
- Secure Locking Pins: Stainless steel cables attach the locking pins, offering added safety and reliability.
- Dual Pulley Configuration: Two pulley systems are included to simultaneously accommodate the wire rope of the mounted winch on one leg and the retrieval block on the other leg.
- Consists of pre-installed universal mounting attachments to easily mount the Winch and Retrieval Block when used with SA 17(25) Winch Bracket and SA 17(26) Retrieval Bracket.

TECHNICAL SNAPSHOT

Product Code	Material	Height	Max. Load Capacity	Weight	Certified to
SA 92	Legs material: prime quality Aluminium Alloy. Head material: Alloy Steel Locking pins material: Prime quality aluminum alloy eye bolt and and stainless steel locking pin	1.45m to 2.08m	500kgs	32.01kgs	EN 795: 2012 Type B TS 16415:2013 Type B and ANSI Z359.18-2017 Type A (for upto 2 users)

Winches

Winches are the perfect solution for raising or lowering of personnel or material into confined spaces.



PN 817(DP)



PN 801(DP)



PN 801(40)(DP)



PN 818(C)(DP)



PN 818(DP)



PN 818(SR)(DP)



PN 801



PN 801(40)



PN 817



PN 818



PN 818(C)



PN 818(SR)

TECHNICAL SNAPSHOT

Product Code	Winch Line Material	Length of Cable	Connector	Compatibility	Conforms to
PN 817(DP)	Galvanized Steel Wire Rope of dia 4.5mm	20.0m	Steel Swivel Snap Hook PN 162	Can be mounted on Megapods, Tripods and K-pod with the help of their universal mounting brackets respectively.	EN 1496:2017 Class B ATEX 2014/34/EU
PN 801(DP)	Galvanized Steel Wire Rope of dia 4.5mm	20.0m and 25.0m	Steel Screw Locking Karabiner PN 112	Can be mounted on Megapods, Tripods and K-pod with the help of their universal mounting brackets respectively.	EN 1496:2017 Class A ATEX 2014/34/EU
PN 801(40) (DP)	Galvanized Steel Wire Rope of dia 4.5mm	40.0m	Steel Screw Locking Karabiner PN 112	Can be mounted on Megapods, Tripods and K-pod with the help of their universal mounting brackets respectively.	EN 1496:2017 Class A ATEX 2014/34/EU
PN 818(C) (DP)	Kernmantle Rope of dia 11.0mm	As per request	As per request	Can be mounted on Megapods, Tripods and K-pod with the help of pre-installed mounting brackets.	EN 1496:2017 Class B
PN 818(DP)	Galvanized Steel Wire Rope of dia 6.0mm	15m, 20m, 25m, 30m, 35m	Steel Swivel Snap Hook PN 162	Can be mounted on Tripods, Megapods and K-Pod	EN 1496:2017 Class B ATEX 2014/34/EU
PN 818(SR) (DP)	Synthetic Rope of dia 6.0mm	15m, 20m, 25m, 30m, 35m	Steel Swivel Snap Hook PN 162	Can be mounted on Tripods, Megapods and K-Pod	EN 1496:2017 Class B
PN 801	Galvanized Steel Wire Rope of dia 4.5mm	20.0m and 25.0m	Steel Screw Locking Karabiner PN 112	Can be mounted on Tripods.	EN 1496:2017 Class B ATEX 2014/34/EU
PN 801(40)	Galvanized Steel Wire Rope of dia 4.5mm	40.0m	Steel Screw Locking Karabiner PN 112	Can be mounted on Tripods.	EN 1496:2017 Class B ATEX 2014/34/EU

Product Code	Winch Line Material	Length of Cable	Connector	Compatibility	Conforms to
PN 817	Galvanized Steel Wire Rope of dia 4.5mm	20.0m	Steel Swivel Snap Hook PN 162	Can be mounted on Tripods.	EN 1496:2017 Class B ATEX 2014/34/EU
PN 818	Galvanized Steel Wire Rope of dia 6.0mm	15m, 20m 25m, 30m, 35m	Steel Swivel Snap Hook PN 162	Can be mounted on Tripods.	EN 1496:2017 Class B ATEX 2014/34/EU
PN 818(C)	Kernmantle Rope of dia 10.5mm	As per request	As per request	Can be mounted on Tripods.	EN 1496:2017 Class B
PN 818(SR)	Synthetic Rope of dia 6.0mm	35.0m	Steel Swivel Snap Hook PN 162	Can be mounted on Tripods.	EN 1496:2017 Class B



K-POD

KARAM introduces the K-Pod which provides a safe and secure system for easy access to confined spaces. The K-Pod is an ideal choice to provide overhead anchorage which can be mounted on different bases.

PN 900

FEATURES

- Made of highly corrosion resistant stainless steel.
- Can swivel a complete 360 degrees on its mounted base, hence providing a versatile reach and access.
- Height of the Cantilever arm of the K-pod is adjustable. This enables the use of the K-pod even in those areas where the roof height is limited.
- Easily mounted on the floor as well as on the wall through special floor and wall mounting brackets. The K-pod can also be mounted on the floor of heavy vehicles, hence making it extremely versatile in use.
- Cantilever is equipped with universal mounting bracket PN 900(14) to install Winches PN 801(DP), PN 801(40) (DP) and PN 817(DP), PN 818, PN 818(DP), PN 818(SR) (DP) onto the K-Pod.
- Retrieval Fall Arrester Block PCGS 30R, PCGS 20R can also be installed for easy retrieval and arresting the fall of the user using the specialized mounting bracket PN 900(06) and PN 900(07) respectively.



Accessories of K-Pod



Wall Mounting Bracket
PN 900(02)



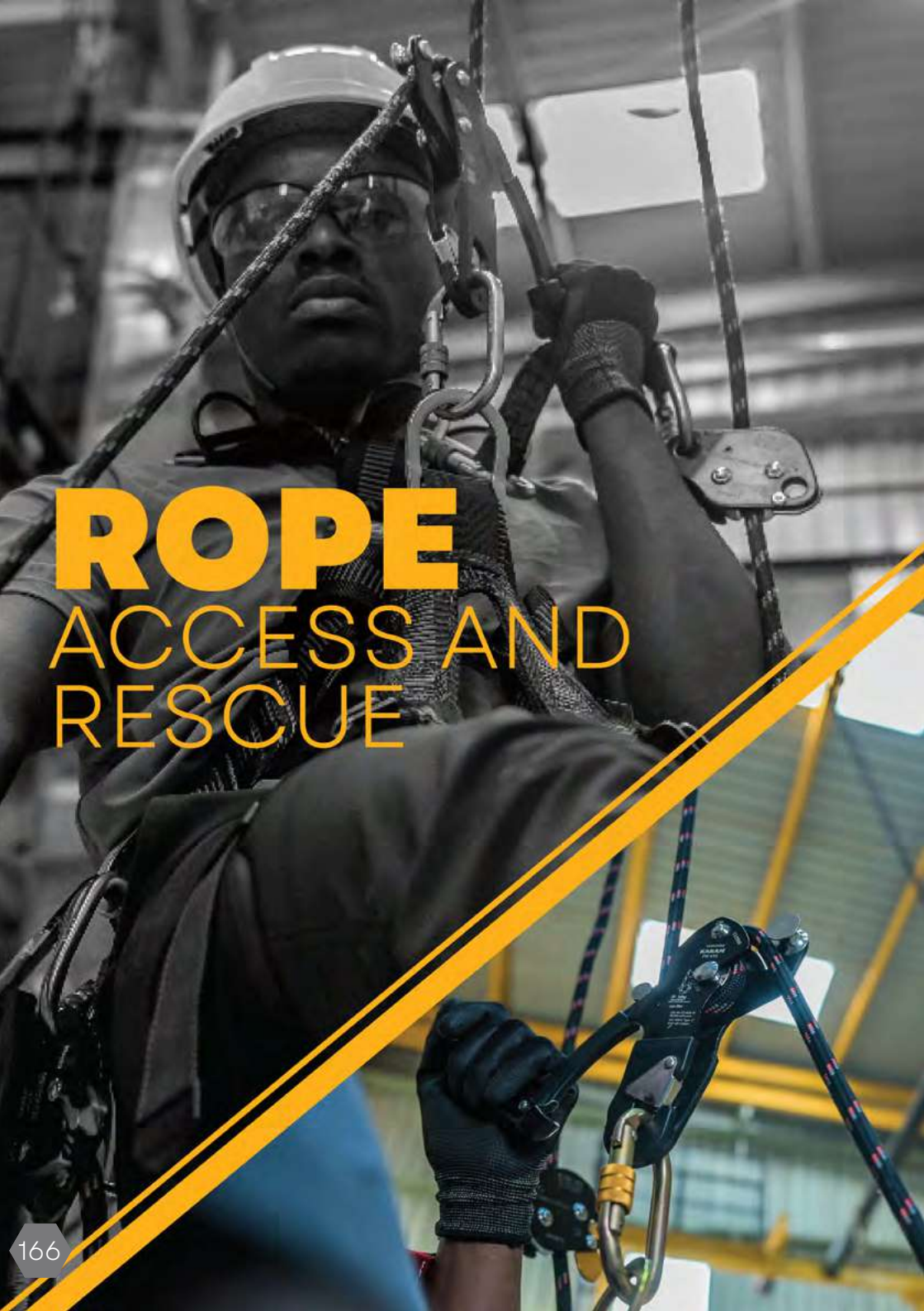
Floor Mounting Bracket
PN 900(01)

Product Code	Picture	Bracket used for Mounting
PN 900(06)		25m Retrieval Block Ref. PCGS 25R, 30m Retrieval Block Ref. PCGS 30R
PN 900(07)		20m Retrieval Block PCGS 20R

Setting	Upper	Middle	Lower
Distance from bar	0.72m	1.0m	1.08m
Height of arm	2.3m	1.9m	1.5m

TECHNICAL SNAPSHOT

Product Code	PN 900
Material	Stainless Steel Polished
Maximum Load Capacity	300 kg
System Strength	15kN
Certified to	EN795:2012 Type A AS/NZS 5532:2013, ATEX 2014/34/EU
Weight	Cantilever Arm: 15.9kgs Boom Upright: 19.2kgs Floor mount Base: 9.38kg Wall Mount Base: 9.97kg



ROPE

ACCESS AND RESCUE

Grip Descender

Grip Descender for positioning along with back up fall arrest system.

Various work applications like window cleaning, exterior facade maintenance, crack filling, bridge expansion etc., require the worker to be suspended from height.

Grip Descender is a light-weight, easy to operate device that is used with a Suspension Harness (MAGNA 3). For additional comfort an Easy Seat can be used with the Suspension Harness.

It is a manually operated controlled descent device, ideal for descent on a single rope. It is important to use appropriate fall arrest system along with the KARAM Grip Descender.

This is also an ideal device which can be used by trained personnel in an emergency situation for Rescue, to lower a casualty from an elevated work station.



CE EN 341:2011 Type 2 Class A
EN 12841:2006 Type C

*Note: Anodizing Colours may vary

Grip Descender

PN 401

FEATURES

Self Braking System

It is equipped with a unique double self braking system which initiates the brake as soon as the handle is released, or clasped too tightly (in panic situations).

Polymer Coated Cover

Equipped with polymer coated cover to protect the user from the heat generated during descent.

Light And Corrosion Resistant

Extremely light in weight and highly corrosion resistant.

Ideal For Rescue And Descent

After properly inserting the rope into the device, hold the free end of the rope and hold the handle device from other hand. Then start pushing the handle slowly toward the descender's body which enables the victim to slide downwards at appropriate speed. Also, as the Descender is equipped with a unique braking system which initiates the brake as soon as the handle is released or clasped too tightly (in panic situation), thereby stopping the descent completely.

Installation Steps

Put the rope into the Descender

To install the rope in the device rope handle of the descender has to be pushed in its extreme open position & pivoting pulley should also be rotated at its extreme open position.

Now the rope can be pushed in between both flanges at their lower end that is in between the carabiner and the pivoting pulley. Care to be taken that the load carrying end of the rope is situated by the pulley and the free end of the rope by carabiner.

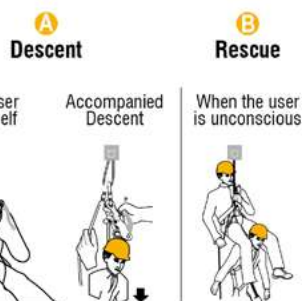
Now the Descender is ready to use

Then twist the rope around the pulley between the upper end of either flange and thus embrace the pulley with the rope. Be careful that the jamming drive is located between either rope. Eventually move the pivoting pulley back in the device and thus the rope is installed in the descender. If the rope has not been inserted correctly the device will be of no use and will be unable to perform its function.



TECHNICAL SNAPSHOT

Product Code	PN 401
Material	Aluminium Alloy & Soft thermo plastic handle
Application	Descent on a single rope
Works on	10 mm to 12 mm dia Kernmantle Rope as per EN 12841:2006 Type C and 11 mm dia Kernmantle Rope as per EN 341:2011 Type 2 Class A
Finish	Coloured Anodized
Weight	340.0 gms ± 10 gms
Maximum rated load	150 kgs
Certified to	EN 341:2011 Type 2 Class A, EN 12841:2006 Type C



Descender Jumper

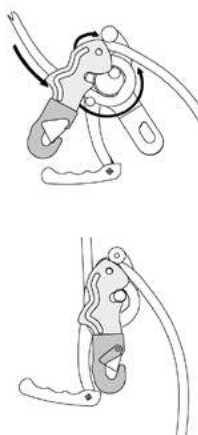
PN 410

FEATURES

- Made of Aluminum Alloy, light in weight and durable.
- Can be used for both ascent and descent on a single rope.
- Equipped with a unique Self Braking System which initiates the brake as soon as the handle is released or clasped too tightly.
- Provided with a safe locking eye which prevents the rope from sliding out, when operating as a Descender.
- Equipped with Polymer coated cover for comfort and ease during descent.



INSTALLATION STEPS



TECHNICAL SNAPSHOT

Product Code	PN 410
Material	Aluminium Alloy
Application	For ascent and descent on a single rope
Works on	Works on 10.5 mm – 12.0 mm dia Kernmantle rope for EN 12841:2006 Type C and on 11.0 mm dia Kernmantle rope for EN 341:2011 Type 2 Class B
Finish	Colored, Anodized
Weight	440.0gms $\pm$ 10 gms
Maximum rated load	150 kg
Certified to	EN 341:2011 Type 2 Class B, EN 12841:2006 Type C

Figure of 8
PN 431



INSTALLATION STEPS



FEATURES

Simple and Easy to use

The Rope runs smoothly through the device and is extremely easy to operate.

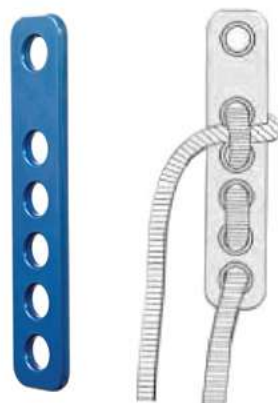
Compatibility with Rope

Can be used with any dia Kernmantle Rope.

Device Efficiency

The device does not get hot like other friction devices because of the ability to dissipate heat efficiently.

Rope Terminator Anchor
ARC 04



FEATURES

- Light in weight and reusable.
- Extremely easy to use. This Anchor has a total of six holes. The top hole constitutes the connection point to the anchorage. The rope is threaded in the other five holes. It has to be connected to an anchor point using an Auto Locking Karabiner.
- Eliminates the need for Knots, splicing or swaging.
- Provides convenient lifeline connection point.
- Allows installations without a traditional anchorage point.
- Stays tight while remaining simple to untie.

TECHNICAL SNAPSHOT

Product Code	PN 431	ARC 04
Material	Aluminium Alloy	Aluminium Alloy
Application	Mountaineering activities, Caving, Rafting, Rescue	Mountaineering activities, Caving, Rafting, Rescue
Inner Dia	Big: 52mm; Small: 26mm	21.8mm $\pm$ 1mm
Finish	Natural silver/ Coloured, Anodized	Natural silver/ Coloured, Anodized
Weight	136.0 gms $\pm$ 10 gms	248.5 gms $\pm$ 10 gms
Minimum Breaking Strength	50kN	23kN
Conforms to	EN 15151-2:2012	NA
Certified to	NA	CNB/P/11.114

Rope Clamp

PN 402(L) and PN 402(R)



INSTALLATION STEPS



FEATURES

Light and Corrosion Resistant

Extremely light in weight and highly corrosion resistant.

Device Design

- The unique design of the Cam allows optimal grip on the rope without damaging it.
- The Moulded Grip on the handle is ergonomically designed to allow easy and effortless grip.
- It is available as both right hand and left hand models.

Webbing Cows Tail

PN 401 (W)



FEATURES

It is used to anchor a victim of fall to the Rescuer during rescue.

Made of polyester webbing of length 20cms having loops for attachment.

TECHNICAL SNAPSHOT

Product Code	PN 402(L) and PN 402(R)	PN 401 (W)
Material	Aluminium Alloy Soft thermo plastic handle	Polyester Webbing
Application	During ascent and occasionally for hauling	Used to rescue victim of fall
Works on	10.0mm to 12.0mm dia Kernmantle Rope	NA
Finish	Coloured, Anodized	NA
Net Weight	196.0 gms $\pm$ 10 gms	50 gm $\pm$ 10 gm
Certified to	EN 567:2013 and EN 12841:2006 Type B	EN 354:2010

Adjustable Webbing Foot Loop PN 402(A)



FEATURES

Simple and Easy to use

The Rope runs smoothly through the device and is extremely easy to operate.

Compatibility with Rope

Ideal for use on 10-12mm dia Kernmantle Rope.

Device Efficiency

Length easily adjusted with the combination buckles. The device does not get hot like other friction devices because of the ability to dissipate heat efficiently.

Ventral Rope Clamp PN 405



FEATURES

Use

PN 405H is specially designed for easy connection on user's harness by webbing strap or a connector

Abrasion-Resistant

Underfoot strap is abrasion-resistant and is slightly rigid to make it easier to step into.

Ventral Blocker PN 405(H)



TECHNICAL SNAPSHOT

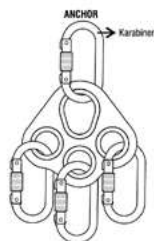
Product Code	PN 402(A)	PN 405	PN 405H
Material	44mm Polyester Webbing	Aluminium Alloy	Aluminium Alloy
Application	Ascent on a single rope	Descent on a single rope	Descent on a single rope
Works on	NA	10 to 12mm dia Kernmantle rope	10 to 12mm dia Kernmantle rope
Finish	NA	Coloured, Anodized	Colored, Anodized
Net Weight	260.0 gms $\pm$ 10 gms	157.0 gms $\pm$ 10 gms	185 gms $\pm$ 10 gms
Conforms to	NA	EN 12841:2006	NA
Certified to	NA	EN 567:2013	EN 567:2013, EN 12841:2006 Type B

Rigging Plate 4 Holes

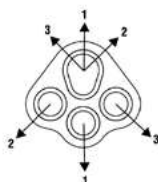
PRP 01



Application of PRP 01



Direction of Loading of PRP 01

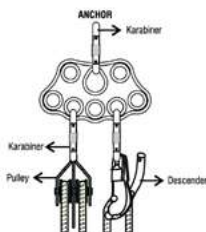


Rigging Plate 8 Holes

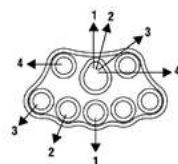
PRP 02



Application of PRP 02



Direction of Loading of PRP 02



FEATURES

Multiple Anchor Points

The KARAK Rigging Plate is designed to organize and provide multiple anchor points in multiple directions for superior versatility.

Design

- PRP 01 is a compact three hole anchor plate for small haul systems.
- PRP 02 is a versatile five hole anchor plate for big rigging.
- The holes in the anchor have sufficient space to allow easy pass through of locking sheaves of Karabiners to pass through.

TECHNICAL SNAPSHOT

Product Code	PRP 01	PRP 02
Material	Aluminium Alloy	Aluminium Alloy
Application	For creating multiple anchor points	For creating multiple anchor points
Inner Dia	19mm	19mm
Finish	Natural silver/ Coloured, Anodized	Natural silver/ Coloured, Anodized
Weight	53.5 gms $\pm$ 10 gms	210.0 gms $\pm$ 10 gms
Conforms to	CNB/P/11.114	CNB/P/11.114

Pulleys

Aluminium Small Single Pulley Single Side Attachment

AP 011A



Aluminium Small Single Pulley Single Side Attachment

AP 012(SS)

II 2G
ATEX 2014/34/EU

Aluminium Double Pulley Double Side Attachment

AP 013(SS)

II 2G
ATEX 2014/34/EU

Aluminium Single Pulley Double Side Attachment

AP 014(SS)



TECHNICAL SNAPSHOT

Product Code	AP 011A	AP 012(SS)	AP 013(SS)	AP 014(SS)
Material	Body- Aluminium Alloy Sheave- Stainless Steel	Body- Dry Bearing Sheave- Stainless Steel	Body- Dry Bearing Sheave- Stainless Steel	Body- Dry Bearing Sheave- Stainless Steel
Breaking Strength	30kN	36kN	36kN	36kN
Works on	Rope of dia 12.0mm	Rope of dia 16.0mm	Rope of dia 16.0mm	Rope of dia 16.0mm
Finish	Body- Coloured Anodized Sheave- Natural silver	Body- Coloured Anodized Sheave- Natural silver	Body- Coloured Anodized Sheave- Natural silver	Body- Coloured Anodized Sheave- Natural silver
Weight	165.0 gms ± 20 gms	430.0 gms ± 20 gms	810.5 gms ± 20 gms	471.0 gms ± 20 gms
Certified to	EN 12278:2007	EN 12278:2007 ATEX 2014/34/EU	EN 12278:2007 ATEX 2014/34/EU	EN 12278:2007

Pulleys are Available in 3 Different Variants

TECHNICAL SNAPSHOT

Product Code	Bearing Type	Sheave Material	Weight	Conforms to
AP 012(BB)	Ball Bearing	Aluminium Alloy	290.0gms	EN 12278: 2007
AP 012(SS)(BB)	Ball Bearing	Stainless Steel	410.0gms	EN 12278: 2007
AP 012(SS)	Dry Bearing	Stainless Steel	430.0gms	EN 12278: 2007
AP 013(BB)	Ball Bearing	Aluminium Alloy	520.0gms	EN 12278: 2007
AP 013(SS)(BB)	Ball Bearing	Stainless Steel	770.0gms	EN 12278: 2007
AP 013(SS)	Dry Bearing	Stainless Steel	810.5gms	EN 12278: 2007
AP 014(BB)	Ball Bearing	Aluminium Alloy	330.0gms	EN 12278: 2007
AP 014(SS)(BB)	Ball Bearing	Stainless Steel	450.0gms	EN 12278: 2007
AP 014(SS)	Dry Bearing	Stainless Steel	471.0gms	EN 12278: 2007

Double Tandem Big Pulley With SS Sheaves

AP 015



CE

Double Tandem Small Pulley With SS Sheaves

AP 016


 CE  II 2G
ATEX 2014/34/EU

Double Tandem Small Pulley With Manganese Bronze Sheaves

AP 016A


 CE  II 2G
ATEX 2014/34/EU

Aluminium Double Pulley Double Side Attachment

AP 017(SS)(BB)



TECHNICAL SNAPSHOT

Product Code	AP 015	AP 016	AP 016A	AP 017(SS)(BB)
Material	Body- Aluminium Alloy Sheave- Stainless Steel	Body- Aluminium Alloy Sheave- Stainless Steel	Body- Aluminium Alloy Sheave- Manganese Bronze	Body- Aluminium Alloy Sheave- Stainless Steel
Breaking Strength	45kN	45kN	45kN	25kN
Works on	Synthetic Rope / Wire of dia 16.0mm	Rope / Wire of dia 12.0mm	Rope / Wire of dia upto 12.0mm	Rope of dia 12.0mm
Finish	Natural silver / Coloured Anodized	Natural silver / Coloured Anodized	Natural silver / Coloured Anodized	Covers-Anodized Sheaves-Polished
Weight	810.0 gms ± 20 gms	320.0 gms ± 20 gms	325.0 gms ± 20 gms	262.0 gms ± 20 gms
Certification	EN 12278 : 2007	EN 12278 : 2007 ATEX 2014/34/EU	EN 12278 : 2007 ATEX 2014/34/EU	EN 12278 : 2007

Mini Triple Sheave Pulley

AP 021



Mini Sheave Pulley With Lock

AP 022



Aluminium Single Pulley Single Side Attachment

AP 027



CE

Aluminium Double Pulley Double Side Attachment

AP 028



CE

Aluminium Single Pulley Single Side Attachment

AP 029



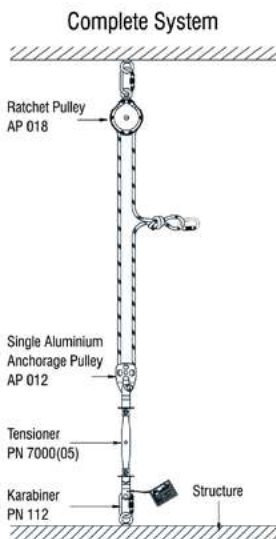
CE

TECHNICAL SNAPSHOT

Product Code	AP 021	AP 022	AP 027	AP 028	AP 029
Material	Side Cover- Stainless Steel Sheaves-Nylon 6	Side Cover- Stainless Steel Sheaves-Nylon 6	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Breaking Strength	40kN	40kN	65kN	45kN	45kN
Works on	Rope of dia 6.0mm	Rope of dia 6.0mm	Rope of dia 12.0mm	Rope of dia 12.0mm	Rope of dia 12.0mm
Finish	Polished	Polished	Natural silver / Coloured Anodized	Natural silver / Coloured Anodized	Natural silver / Coloured Anodized
Weight	55.0gms	62.0gms	264.0gms	437.0gms	328.0gms
Certified to	NA	NA	EN 12278:2007	EN 12278:2007	EN 12278:2007

Ratchet Pulley System

AP 018



Optional Accessories



Aluminium Single Pulley
Single Side Attachment Ref.
AP012



Karabiner Ref. PN 112



Tensioner Ref. PN 7000 (05)

FEATURES

Ideal For Use

In Rescue, Confined Space working and Work Suspension Systems.

General Features

- Ratchet pulley designed to be used to form a temporary vertical life line with ratchet pulley at one end and anchorage pulley at ground level.
- Compatible to make system of 3:1 & 5:1 for getting mechanical advantages.
- Dual Braking system (clockwise and anti clockwise) for optimum safety while usage.

TECHNICAL SNAPSHOT

Material	Weight	Compatible with Rope	Conforms to
Polymer Casing	850gms $\pm$ 10.0gms	Kernmantle Rope of dia 10.5mm	EN 360 : 2002

Ratchet Hauling System

PN 411



FEATURES

Ideal For Use:

For rescuing the victim post fall arrest.

General Features

- Loops provided on both the ends for making connections with the structure and other sub systems.
- Consists of ratchet locking system to allow motion in only one direction and locks in the other direction.

General Features

- Connect the Ratchet Hauling System to the structure with its one loop with means of a Connector / Karabiner at appropriate height.
- Connect the other loop of the Ratchet Hauling System to the victim with automatic Descender and a Connector.
- Now, the victim shall be rescued with the help of hauling features of the device.
- Once the victim has been put fully on Ratchet Hauling System, primary lanyard may be released.
- Conforms to EN 1496:2017 Class A
- Weight is 1.12 kg $\pm$ 0.10 kg

TECHNICAL SNAPSHOT

Webbing			Metal components
Material	Width	Breaking strength	Material
Polyester	44.0 $\pm$ 1.0mm	25kN	Alloy steel

Spreader Bar | IMP 003



FEATURES

- In conjunction with the KARAM Harness for raising and lowering a person during rescue.
- The attached webbing loops can be used to secure victim's arms when lifting or lowering.
- Weight is 1.4 kg $\pm$ 0.10 kg

Pilot Chair | IMP 005



FEATURES

- Ergonomic and comfortable working chair.
- For vertical ascent and descent.
- Equipped with Steel Screw Locking Karabiner PN 112 for anchorage.
- Is used in conjunction with spreader bar IMP 005(01).
- Weight is 2.63 kg $\pm$ 0.10 kg
- Conforms to EN 1498:2006 Class B

TECHNICAL SNAPSHOT

Webbing IMP 003			Metal components IMP 003		
Material	Width	Breaking strength	Material	Finish	Breaking strength
Polyester	44.0 $\pm$ 1.0mm	25kN	Alloy steel	Galvanized	23kN

Webbing IMP 005			Metal components IMP 005		
Material	Width	Breaking strength	Material	Finish	Breaking strength
Polyester	44.0 $\pm$ 1.0mm	23kN	Alloy Steel	Galvanized	25kN

Easy Seat | IMP 004



FEATURES

- Ergonomical and comfortable working chair. Provides a comfortable seating for extended time during long hours of work, suspended at a height.
- Can be attached to Harnesses Magna 3 and PN 56 having a central D-Ring at the waist level (Ventral) to which the Karabiner is attached.
- The loops at the end of the polyester webbing straps can be easily attached to the Ventral D-ring of the Harnesses mentioned.
- Has adjustable straps.
- Equipped with 3 loops for hanging tools, bucket etc.
- Easy to position at the back when not in use.
- Soft cushioned sides prevents the webbing straps from cutting into the thighs.
- Weight is 1.94 kg $\pm$ 0.10 kg

Webbing IMP 004			Metal components IMP 004	
Material	Width	Breaking strength	Material	Finish
Polyester	44.0 $\pm$ 1.0mm	23kN	Aluminium Alloy	Anodized

Spreader Bar | IMP 005(01)



FEATURES

Available as an optional Accessory to the Pilot Chair, provided on request

- Material- Alloy Steel
- Weight- 1.0 kg $\pm$ 0.10 kg

Evacuation Triangle | PN 852



140 kg



Evacuation Triangle | PN 852 (N)

FEATURES

- Consists of 3 metallic D-Rings as an attachment elements.
- Comes with Dorsal D-ring for guiding the evacuation
- Equipped with 4 buckles for size adjustment
- Shoulder Straps have combination buckles
- Conforms to EN 1498:2006 Class B
- Weight is 1.282 kg $\pm$ 0.10 kg

FEATURES

Ideal For Use

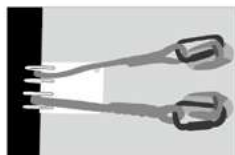
During rescue of injured personnel.

- Consists of 3 metallic D-Rings as an attachment element.
- Weight is 1.175 kg $\pm$ 0.10 kg
- Conforms to EN 1498:2006 Class B

TECHNICAL SNAPSHOT

Products Ref.	Webbing			Metal components	
	Material	Width	Breaking strength	Material	Finish
PN 852	Polyester	44.0 $\pm$ 1.0mm	25kN	Alloy steel	Galvanized
PN 852(N)	Polyester	44.0 $\pm$ 1.0mm	25kN	Alloy steel	Galvanized

Edge Protector | ARC 02



FEATURES

Ideal For Use

Protection to the rope abrasion against an edge.

General Features

- Material: Stainless Steel.
- Protects the rope from abrasion against an edge.
- The edge ring-guides on the angle of the Edge- Protector prevents different Anchorage Lines from getting entangled over the edge.

TECHNICAL SNAPSHOT

Material	Finish	Weight
Stainless Steel	Polished	570.0gms $\pm$ 10gm

Edge Protector | ARC 06N



Edge Protector | ARC06(120)



IDEAL FOR USE:

Designed to guide and protect the moving rope from abrasion against uneven surface and sharp edges over different terrains.

FEATURES

- Compact light edge protector roller for rope protection
- Extremely easy to use.
- Re-usable.
- Comes in set of 3 protectors connected with 4 screw links.
- Equipped with rollers which rolls on bearing for easy movement of rope on edges.
- In ARC 06N user can easily add the number of protectors to 1,2, or 3 as per the working situation, whereas in ARC 06(120) holes are at both the ends to connect the sling for holding the edge protector.

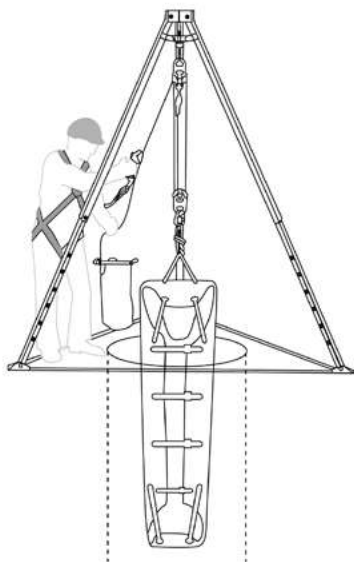
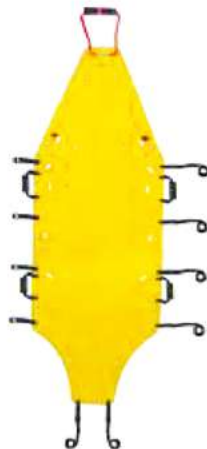
KARAM Respac Recovery Stretcher PN 403

KARAM provides an easy-to-use Respac Recovery Stretcher for safe carrying of the wounded. The backpack able KARAM Respac Recovery Stretcher has been configured as an extremely flexible rescue system usable in any context where patient transport is needed and particularly useful in morphologic and difficult climatic situations where a fast recovery is desired.

FEATURES

- Inert to all conditions, body fluids and blood.
- Highly durable, easy to use and store.
- Combination of optimum support and function.
- Can be used both vertically as well as horizontally.
- Comes with a special marking for identifying the head position of the victim when laid on the stretcher.
- Has instruction labels consisting of technical description, usage instructions, general guidelines, care and maintenance and inspection grid for giving more comprehensive information of the Stretcher to the user.

Kgs 6.50kgs



TECHNICAL SNAPSHOT

PN 403	Maximum load: 200 kg Weight of device: 5.5 kg Total weight with bag and belts: 8.0 kg
Loading Surface	Length: 8.0ft. Width: 3.0ft. Material: High strength polymer Material of Hooks: Alloy steel
Rope	Length: 9.0 mtrs Diameter: Dia 10.0 mm
Lifting Belts	Feet zone 6.7 ft./ Head zone 6.4ft Feet zone 5mm/ Head zone 5mm Maximum load belts: 3000 kg Maximum load Stitching: 2000 kg
Handles	Material: Polyester Number of handles on every longitudinal side: 2
Ideal For Use	For safe carriage and transportation of the wounded user.





CONNECTORS

Steel Karabiners

Steel Quarter Turn Locking Karabiner

PN 111



Steel Screw Locking Karabiner

PN112 Y



Steel Quarter Turn Locking Karabiner Bulb Type

PN 112S



Stainless Steel Quarter Turn Locking Karabiner

PN 113SS (C)



TECHNICAL SNAPSHOT

Product Code	Material	Gate Opening	Breaking Strength	Finish	Net Weight	Certification
PN 111	Alloy Steel	16.0 mm	25kN	Galvanized with Golden Yellow/ Silver passivation	160.0 gm $\pm$ 10.0 gm	EN 362:2004 Class B
PN 112Y	Alloy Steel	18.0 mm	25kN	Galvanized with Golden Yellow	160.5 gm $\pm$ 10.0 gm	EN 362:2004 Class B & Class M
PN 112S	Alloy Steel	18.0 mm	25kN	Silver passivation	160.5 gm $\pm$ 10.0 gm	EN 362:2004 Class B & Class M
PN 113SS (C)	Stainless Steel	22.0 mm	25kN	Polished	255.0 gm $\pm$ 10.0 gm	EN 362:2004 Class B

**Aluminum Screw Locking
Karabiner**

PN 116



**Aluminium Quarter Turn
Locking Karabiner**

PN 117



**Steel Quarter Turn Locking
Bulb Type Karabiner**

PN 195BE



Twin SRL Connector

PN 174



TECHNICAL SNAPSHOT

Product Code	Material	Gate Opening	Breaking Strength	Finish	Net Weight	Certification
PN 116	Aluminium Alloy	22.0 mm	23kN	Natural silver / Coloured Anodized	74.6 gm $\pm$ 5.0 gm	EN 362:2004 Class B EN 12275:2013 Class B/H UIAA 121, ATEX 2014/34/EU
PN 117	Aluminium Alloy	21.0 mm	23kN	Natural silver / Coloured Anodized	84.0 gm $\pm$ 5.0 gm	EN 362:2004 Class B EN 12275:2013 Class B/H UIAA 121, ATEX 2014/34/EU
PN 195BE	Alloy Steel	25.0mm	50kN	Galvanized with Golden Yellow/ Silver passivation	270.0 gm $\pm$ 10.0 gm	EN 362:2004 Class B
PN 174	Alloy Steel	NA	Major Axis: 22 kN Minor Axis: 13 kN	Galvanized Zinc plated in yellow passivation	149.0 gm $\pm$ 10.0 gm	ANSI Z359.1-2007

*Note: Anodizing Colours may vary

Hooks

Steel Snap Hook

PN 121



Steel Snap Hook

PN 124



Steel Scaffold Hook

PN 131N



Steel Scaffold Hook

PN 133



TECHNICAL SNAPSHOT

Product Code	Material	Gate Opening	Breaking Strength	Finish	Net Weight	Certification
PN 121	Alloy Steel	18.0 mm	23kN	Galvanized with Golden Yellow/Silver passivation	205.3 gm $\pm$ 10.0 gm	EN 362:2004 Class T
PN 124	Alloy Steel	21.0 mm	23kN	Galvanized with Golden Yellow/Silver passivation	274.0 gm $\pm$ 10.0 gm	EN 362:2004 Class T
PN 131N	Alloy Steel	50.0 mm	23kN	Galvanized with Golden Yellow/Silver passivation	473.0 gm $\pm$ 10.0 gm	EN 362:2004 Class T
PN 133	Alloy Steel	55.0 mm	23kN	Galvanized with Golden Yellow/Silver passivation	490.0 gm $\pm$ 10.0 gm	EN 362:2004 Class T

*Note: This is not a complete list of connectors supplied by KARAM and if there is an item required please contact hello@karamafrica.com

*Note: Anodizing Colours may vary



SELF CONTAINED SAFETY KITS

Maintenance And Window Cleaning Kit | PN 651

This Kit is meant to fulfill all the purposes and requirements of personnel engaged in maintenance jobs at height.

Used in Industry



Tower Harness
PN 56



Grip Descender
PN 401 (113)



Steel Screw Locking Karabiner
PN 112 (2 Nos.)



Rope Grab Fall Arrester
PN 2000A



Tool Bag
BG 12



Kernmantle Rope Anchorage Line
PN 950 (KRKD11)(50m)



Twisted Rope Anchorage Line
PN 950 (14mm)(50m)



Cross Arm Strap
PN 803 (1.2mtr)(2 Nos.)



Deluxe Universal Kit Bag
BG 20



Hauling And Lowering Rescue Kit | PN 661

KARAM introduces the Hauling Rescue Kit specifically designed for rescuing a suspended casualty by using Fall Arrest Lanyards, Rope Safety Lines and Fall Arrest Blocks, all possible from a point of safety. The Kit is provided with 3m long Rescue Pole for extension to the fall victim, and hence does not require the rescuer to descend towards the victim.



Tower Harness
PN 56



Aluminium Double Pulley Double Side Attachment
AP017(SS)(BB)(2 Nos.)



Steel Quarter Turn Locking Karabiner
PN 113(5 Nos.)



Aluminium Small Single Pulley Single Side Attachment
AP011A



Descender Jumper
PN 410



Aluminium Scaffold Hook
PN136



Cross Arm Strap
PN 803 (1.2mtr)(2 Nos.)



Work Positioning Lanyard With Grip Adjuster
PN 247 (2.0m)



Kernmantle Rope Anchorage Line
PN 950 (KRKD11)(50m)



Twisted Rope Ea Forked Lanyard
PN 351N (1.5m)



Deluxe Universal Kit Bag
BG 63



Rope Clamp
PN 402(R)



Rescue Pole
PN 821N



Confined Space Entry/Egress Kit With Tripod | PN 654

This Kit is meant for personnel who are required to move into and for retrieval of personnel from Confined Spaces.

Used in Industry



Tower Harness
PN 56



Tools Lanyard
TL01(N)(2Nos.)



Tripod Bag
PN 904 (7ft) (BL)



Winch
PN 801(DP)



Retrieval Fall Arrestor Block
PCGS 20R



Tripod
PN 800 (DP)(7ft)



MOUNTING BRACKET
PN 800(45)
for installing PCGS 20R on
PN 800 (DP)(7ft)



Confined Space Entry/Egress Kit With K-Pod | PN 655

This Kit is meant for personnel who are required to move into Confined Spaces, using the KARAM Cantilever K-Pod.



Tower Harness
PN 56



Tools Lanyard
TL01(N)(2Nos.)



Tripod Bag
PN 904 (7ft) (BL)



Winch
PN 801(DP)



Retrieval Fall Arrestor Block
PCGS 20R(N)



**Steel Quarter Turn Locking
Karabiner**
PN 111



Cantilever K-Pod
PN 900

To be ordered
separately
(PN 900(01))



Mounting Bracket
PN 900(07)
for installing PCGS 20R(N) on
PN 900



Rescue Ladder System For Self-Rescue | IMP 008

KARAM introduces the Rescue Ladder System designed to rescue the victim from fall. The Ladder of 6.0m included in the Kit allows a victim to climb safely while the rescuer pulls rope slack through the Rope Grab included in the system. This eliminates the chance of a high impact secondary fall.

Used in Industry



Self Rescue Ladder
IMP 008(1)



Rigging Plate
PRP 01



Cross Arm Strap
PN 807(1.5m)



Steel Quarter Turn
Locking Karabiner
PN 113(2 Nos.)



Rope Grab Blocker
RG 07(113)



Deluxe Universal Kit Bag
BG 63



Fall Arrest Rescue With Ratchet Hauling System Kit | PN 666

This Kit is designed for a personnel engaged in working on a high rise tower with an extra facility of some specialised products to suit the requirement of the working individual.



Tower Harness
PN 56



Grip Descender
PN 401(113)



Ratchet Hauling System
PN 411



Cross Arm Strap
PN 807(1.5m)



Kernmantle Rope
Anchorage Line
PN 950 (KRKD11)(121)
(50m)(2 Nos.)



Work Positioning Lanyard With
Grip Adjuster
PN 247 (2.0m)



Steel Quarter Turn
Locking Karabiner
PN 111 (2 Nos.)



Kernmantle Rope Ea
Forked Lanyard
PN 341(A)(1.5m)



Deluxe Universal Kit Bag
BG 63

Material Hauling System | PN 660

Used in Industry



Ref. PN 660(3:1)
Mechanical Advantage:
1/3

Ref. PN 660(5:1)
Mechanical Advantage:
1/5



**Aluminium
Snap Hook
D Type**



**Karabiner
Ref. PN 111(C)
EN 362:2004 Class B**



**Karabiner
Ref. PN 113
EN 362:2004 Class B**



**Aluminium
Pulley
Ref. AP 012
EN 12278:2007**



**Aluminium
Pulley
Ref. AP 014
EN 12278:2007**



**Aluminium
Pulley
Ref. AP 013
EN 12278:2007**



**Rope Retention
Guide
PN 404**



**Descender
Ref. PN 410
EN 341 Type 2 Class B
EN 12841 Type C**



**Rope Clamp
Ref. PN 402(R)SL
EN 567:2013**



**Cross Arm Strap
Ref. PN 803 (1.2m)
EN 795:2012 Type B**



**Kernmantle Rope
Anchorage Line(10.5mm)
EN 1891:1998
as per directive**

FEATURES

Ideal For Use:

To raise and lower the mass/load/material with ease. The device is also used for either raising or lowering the mass/load/material to the ground or the next accessible level.

General Features

- It is a versatile system made up of Aluminium and Steel components, which are light in weight and highly corrosion resistant.
- The system is provided in a fully assembled factory fitted 3:1 or 5:1 hauling ratio.
- A single person can easily operate the device to raise or lower mass/load/material with considerable ease.
- Unidirectional movement of the Rope Retention Guide (Ref. PN 404) allows the rope to hold itself in place, hence preventing any reel-back and allowing effortless ascent and controlled descent.
- It comes with an ascend Rope Clamp along with a Cross Arm Strap and specially designed control device PN 410. This arrangement stops the descent in case it is accidentally released.
- The rope used is a KARAM Kernmantle rope of Diameter 10.5mm. This rope is tested for strength, is abrasion resistant, and comes fitted in the system in lengths as per requirement.
- Suitable for use for maximum personal load of 250 kgs.

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.)

Load arrester stops the fall of load for a short distance in case of the following situations:

- Break of chain or cable for hoisting the load.
- Failure of the retaining elements of the load.

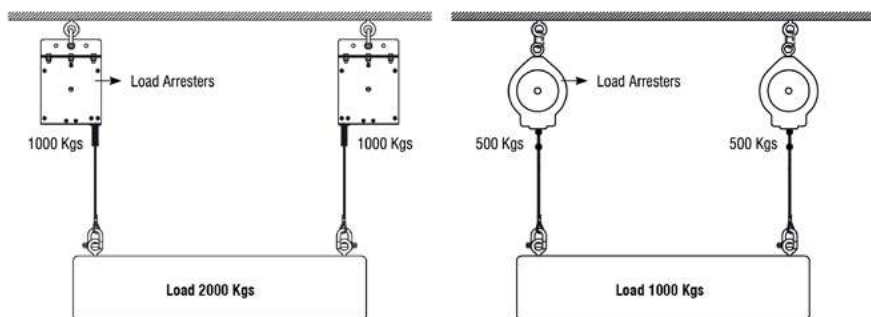
Cable Load Arresters are not PPE. Conforms to Machine Directive 2006/42/EC.

Understanding Load Arresters:

These are backup safety system which arrest the fall of a load in the event of the primary systems failing.

It reduces the risk of equipment damage and protects personnel in and around the danger zone.

The KARAM range of Load Arresters is available to protect loads ranging from 200kgs to 1000kgs with a variety of wire rope lengths based on the six model sizes. These can also be used in conjunction with other arresters of the same size to achieve a desired working load capacity.



Why Load Arresters?

Load Arrestors are needed to:

- Arrest falling loads/ weights
- Does not damage the anchorage and load due to force
- Possibility of Different Lengths

Advantages of Load Arresters:

Following properties of load arrestors which make these useful:

- Quick fall Arrest Ability
- Shock Absorbing
- Self-Retracton

Area of Application

- Automobile industry
- Pharmaceutical sector
- Construction industry
- Logistics and warehousing
- Steel industry
- Cement sector

LOAD ARRESTERS



LA0200-02	3.66kg
LA0200-03	3.74kg
LA0200-10	4.20kg



LA0300-02	5.33kg
LA0300-03	5.44kg
LA0300-05	5.68kg
LA0300-10	6.50kg
LA0300-15	7.32kg



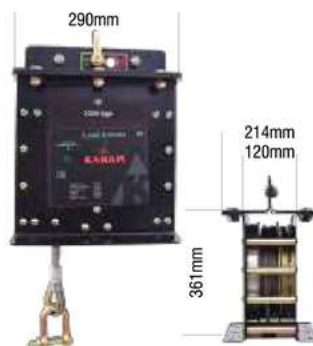
LA0400-10	11.0kg
LA0400-15	11.5kg
LA0400-20	12.0kg



LA0500-10	11.5kg
LA0500-15	12.0kg



LA1000-10	31.12kg
LA1000-11	31.37kg



LA1000-16	35.0kg
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TECHNICAL SNAPSHOT

Ref.	Length of Cable	Max Load Capacity	Casing Material	Wire Rope Material and Dia	Minimum Breaking Strength of Load Arrester Assembly
LA0200-02, 03, 10	2.0m, 3.0m 10.0m	200 kg	High impact strength polymer	Galvanized Steel wire rope of dia 4.8mm	> 3kN
LA0300-02, 03, 05, 10, 15	2.0m, 3.0m, 5.0m 10.0m, 15.0m	300 kg	High impact strength polymer	Galvanized Steel wire rope of dia 4.8mm	> 4kN
LA0400-10, 15, 20	10.0m, 15.0m, 20.0m	400 kg	High impact strength polymer	Galvanized Steel wire rope of dia 5.8mm	> 6kN
LA0500-10, 15	10.0m, 15.0m	500 kg	High impact strength polymer	Galvanized Steel wire rope of dia 6.0mm	> 7kN
LA1000-10, 11	10.0m, 11.0m	1000 kg	High strength alloy steel	Stainless Steel wire rope of dia 8.0mm	> 13kN
LA1000-16	16.0m				

*Also available with Stainless Steel Wire Rope



GENERAL



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