



KARAM[®]

PROVIDING **SAFE ANCHORAGE**
SOLUTIONS FOR HEIGHT SAFETY IN
TELECOM INDUSTRY...





Conforms to EN 353-1



Vertical Anchorage Line System on Rigid Cable Line

System Ref:
VERTEX PN 7000

This vertical Fall Arrest system is an integrated solution to arrest the fall of a user who has to constantly climb up & down a ladder on a Telecom Tower.

The unique feature of this system is a permanent installed Stainless Steel Shock Absorber at the top of the line which offers distinct advantages over the textile absorbers used in other lines in terms of UV degradation and resistance to harsh climatic conditions.

FEATURES & BENEFITS

- MOC : Stainless Steel Grade 316.
- Shock Absorber reduces impact of fall on victim as well as receiving structure.
- Suitable for 1 person.
- Intermediates to reduce vibrations due to wind pressure at every 10 mtrs.
- Trained Installers and Engineers to install the system.

Vertical Anchorage Line System on Rigid Cable Line		
Sr.	Product Code	Size of Ladder
1	Vertex PN 7000 (10 Meters)	10 Meters
2	Vertex PN 7000 (20 Meters)	20 Meters
3	Vertex PN 7000 (30 Meters)	30 Meters
4	Vertex PN 7000 (40 Meters)	40 Meters
5	Vertex PN 7000 (50 Meters)	50 Meters
6	Optional Accessory: Extension Arm	To extend the system above the platform for safe disengagement of Fall Arrester from the system while standing on the platform.



Component Details of Vertex PN 7000

Name of Component	Extremity Plates for Two Ladder Rungs	Shock Absorber	Wire Rope	Rope Grab	Intermediate	Wire Rope Cap	Set of U-Bolts & Thimbles	Tensioner
Ref. No of Component	PN 7000(13)	PN 7000 (02)	PN 9XXXXSL	RG-02112	PN 7000 (PT)(02)	PN 7000 (12)	PN 6000 (01)	PN 7000 (05)
Component Image								



Vertical Anchorage Line System on Rigid Aluminium Rail

System Ref: VERTEX PN 8000 & VERTEX PN 9000

Conforms to EN 353-1

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

VERTEX PN 8000

FEATURES & BENEFITS

- Continuous ladder with fall protection .
- Can negotiate bends.
- Corrosion free anodized aluminum rail.
- Hot dipped galvanized rungs.
- Four wheel trolley slides on the rail and locks in an event of a fall.
- Assists in climbing. The unique design of trolley supports the user while ascent or descent.
- Locking jibs at both ends for unintentional release of trolley from the rail while in use.
- Alu. Rail extension to safely remove the trolley after reaching the landing platform.



VERTEX PN 9000

FEATURES & BENEFITS

- Continuous ladder with Fall Protection
- Can negotiate bends
- Corrosion free anodized aluminum rail
- Hot dipped galvanized rungs
- Four wheel trolley slides on the rail and locks in an event of a fall
- Assists in climbing. The unique design of trolley supports the user while ascent or descent
- Locking jibs at either end for unintentional release of trolley from the rail while in use
- Alu. Rail extension to safely remove the trolley after reaching the landing platform.



Option of Half Rungs Ladder also available

Component Details of Vertex PN 9000

Name of Component	Alu. Extension	Aluminium Rail Intermediate	Vertical Trolley	Karabiner	Ceiling Mounting Bracket	Junction	Aluminium Rail Extremity	Ladder Rung Assembly	Mounting Nut
Ref. No of Component	PN 8000 (02)	PN 9000 (03)	PN 8000 (01)	PN 111	PN 5000 (06)	PN 5000 (08)	PN 9000 (02)	PN 9000 (01)	PN 5000 (03)
Component Image									



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PROVIDING PERMANENT AND RELIABLE ANCHORAGE SOLUTION FOR MULTIPLE USERS

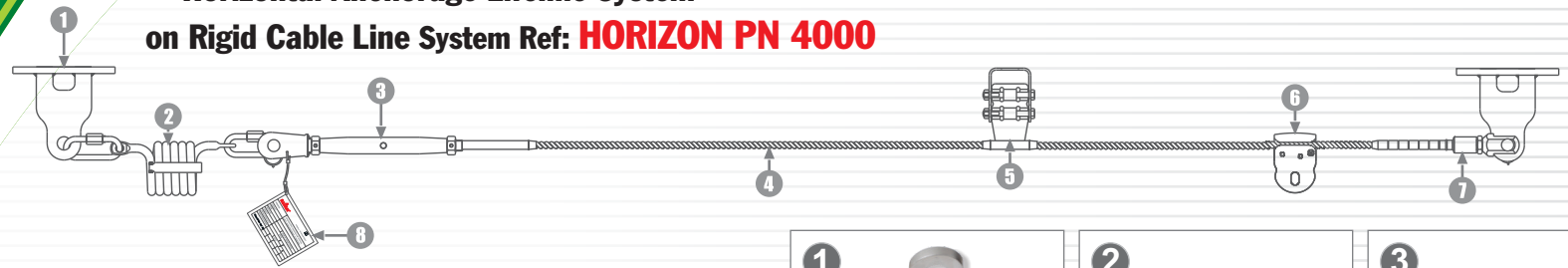
Horizontal Anchorage Lifeline System on Rigid Cable Line

System Ref: HORIZON PN 4000

Wire Termination By Swaging

While the workers are working at a height of more than 2 meters for maintenance activity work on unguarded edges, there is a continuous movement on a horizontal plane at height with a risk of fall. KARAM recommends the use of **Horizontal Lifeline PN 4000** which provides a permanent anchorage for workers who constantly move along a horizontal track

Horizontal Anchorage Lifeline System on Rigid Cable Line System Ref: HORIZON PN 4000



SALIENT FEATURES

- Manufactured from corrosion resistant Stainless Steel Grade 316. <<<
- Carriage body passes through intermediates without disconnection. <<<
- ATEX approved system for use in potentially explosive areas. <<<
- Trained Installers and Engineers to install the system. <<<
- Conforms to EN 795 : 2012 Type C & TS 16415 Type C <<<

FALL PROTECTION FOR

- Roofs <<<
- Truck Loading / unloading <<<
- EOT Cranes <<<
- Oversized machines, Reactors, Turbines etc. <<<
- Advertisement Bill Boards <<<

 1 PN 4000 (09) - Universal Extremity Plate	 2 PN 4000MU (02)- Spring Type Shock Absorber	 3 PN 4000 (03) Swaged Tensioner
 4 PN 9XXXS Wire Rope	 5 PN 4000 (10) Intermediate	 6 PN 4000 (08) Carriage Body
 7 PN 4000 (15) Cable extremity with swage end assembly	 8 PN 4000 (20) Inspection Plate	

KARAM HORIZON PN 4000 is Now Tested For Max of

4 Users

II 2 G c T6
 Atex Approved
 EN 13463-1:2009
 EN 13463-5:2003

TS 16415
 TYPE C
 EN 795 : 2012
 TYPE C

ACCESSORIES : Anchor Posts (as shown below) for different receiving structures are available & needs to be ordered separately

 Roof Top Anchor Port Extremity Ref. SA 07 (A)	 Roof Top Anchor Part intermediate Ref. SA 07 (B)	 Steel Anchor Post Ref. SA 22	 Stainless Steel Anchor Post Ref. SA 22SS	 Steel Anchor Post Ref. SA 23	 Stainless Steel Anchor Post Ref. SA 23SS	 Steel Anchor Post Ref. SA 25	 Stainless Steel Anchor Post Ref. SA 25SS
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