

**PREMIUM  
QUALITY PPE's  
MANUFACTURER**

**H**  
**HOTTEX**  
ENGINEERS PVT. LTD  
*Engineering your dreams with us*



**INDIA's  
FIRST  
PREMIUM  
PPE's  
BRAND**

- ▶ Fall Protection
- ▶ Protective Clothing & Work Wear
- ▶ Safety Shoes
- ▶ Head Protection
- ▶ Road Safety
- ▶ Other Industrial PPE's
- ▶ Safety Training (Work at Height, Scaffolding Inspection Etc.)
- ▶ Safety Posters, Scaffolding Tag, Safety Audit Etc.

**"Safety isn't expensive it's priceless"**



**GeM**  
Government  
e Marketplace



NATIONAL SAFETY COUNCIL







## QUALITY ASSURANCE STATEMENT

The satisfaction of all the customers is the fundamental principle of the **HOTTEX** and stands committed to the quality of its products and services with the assurance of complete backup support. With a wide range of safety products, services, and vast experience, HOTTEX remains dedicated to the customers.



**PREMIUM QUALITY PPE's MANUFACTURE**



## Director's Message

We feel extremely proud when We heard from people, a company, Hottex Engineers Private Limited continuously working to create a safe world & aiming to prevent others life from an industrial accident. In 2012, We began as a Thermo Engineers aimed to provide insulation & scaffolding services.



A Few years later we introduce a new department with the foresight and vision to provide industrial safety, later on we targeted to improve industrial safety standards in our personal protective equipment. We have grown to be one of the largest and best PPE's manufacturing company under the guidance and support of a dedicated team.

I was dedicated Mechanical Engineer and always aim to enhance my knowledge. Overall I have spend 20 years of my life in industry and during my industrial journey I have realize safety as a major concern. Consequently, I started to gain deeply knowledge about safety from various safety professionals and reputed organization like National Safety Council of India, Central Labour Institute of India and Regional Labour Institute. Thereafter I have decided to build a new organization in the field of industrial safety.

Our strength is developed by our unique ideas and values, wherein we develop excellent and Smart Safety Products by giving equal importance to all people involved in the chain, such as our diverse Talented Team, Partners, Clients, and the Society.

We take this opportunity to thank our valued customers, whose continued Patronage and Confidence in our Products inspires us to extend the best of our services. We move ahead with our values embedded in our working.

Our professionalism, coupled with a strong Personal touch Enhances the probability of success at every step. Our goal is to create a long-lasting Client-Candidate Relationship, which will translate into long term winning strategies and Exponential growth for both parties.

We are looking forward to create a valuable relationship. We want to thank my talented team.





## When we begin...

In 2012 we begin our journey as Thermo Engineers to offer services to class A industries. In the initial phase, we introduce ourselves as a Thermal Insulation Company then we start to offer scaffolding services.

Being an industrial player in the service sector we realize safety is a major part of the industrial sector and it always comes on a priority. Since 2012 we are providing industrial services, and safety is always a major concern.

Till 2019 we have completed so many projects with the help of a great team of more than 600 people. During this journey, quality safety products are always in demand of our labor. We did our best and tried to fulfill labour's demands and some of the labor was satisfied, but the majority did not. Finally, we started to directly communicate with them and try to sort out their problems.

During communication, we are aware of the problems like weight, toughness, ergonomics and inflexibility of safety products. Also, they are introducing some problems related to comfort & flexibility during work.

2019 Covid pandemic gives us time to think about safety. Consequently, we decided to manufacture safety products ourselves for our labor, and in 2019 we start a Sister concern company Namely Hottex Engineers Private Limited for industrial safety products.

From 2019 to 2020 our focus was on Research & Development for Industrial PPE's. Finally, from 2020 we start to receive satisfactory positive responses from our labour's and users. And in 2021 we introduce our products to the safety market.

Our motive is to offer satisfactory & quality products to our customers. We believe in a strong commitment to saving lives.



## About industrial safety...

Industrial safety is defined as policies and protections put in place to ensure plant and factory worker protection from hazards that could cause injury. Safety policies put in place by the Occupational Safety & Health Administration (OSHA) are examples of industrial safety policies.

Industrial safety refers to the management of all operations and events within an industry in order to protect its employees and assets by minimizing hazards, risks, accidents, and near misses.

## Why industrial safety?

The thousand of industrial accidents every year caused the realization of the importance of industrial safety with technological advancement in manufacturing. To decrease such industrial accidents safety is crucial. The dangers of human life are increasing day by day. In order to avoid accidents, employees must use safety products and be aware of industrial safety principles & dangerous areas of that industry.

## Why you select HOTTEX PPE's?

- Certified by various organizations (BIS, CE).
- Third party certified products (NABL LAB, CENTRAL LABOUR INST. MUMBAI).
- Manufactured Premium Quality Products.
- Manufactured demand oriented products.
- Manufactured by skill team.
- Delivery on time.
- Value for our commitments.





Our Parent Company

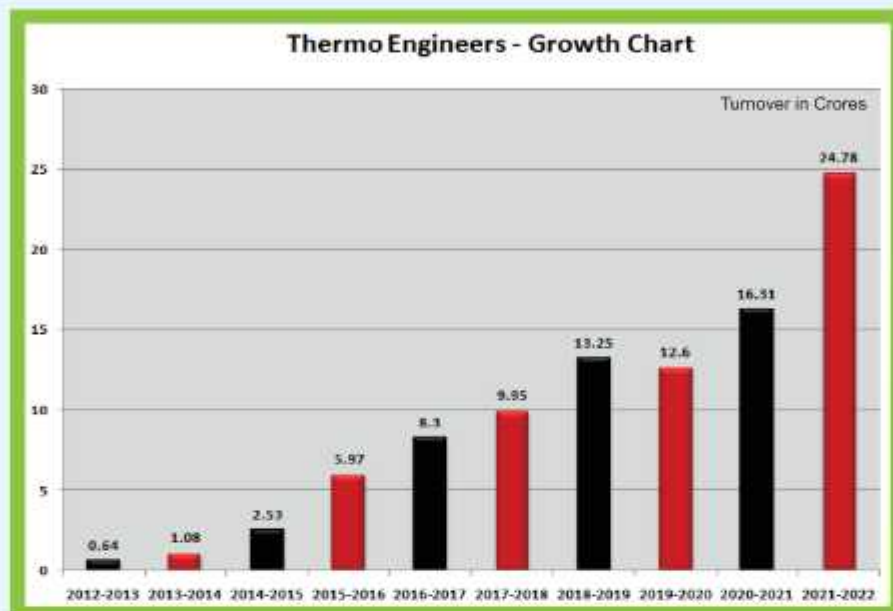
# THERMO ENGINEERS

An ISO 9001:2015 & OHSAS 18001:2007 Certified

As one of India's leading companies offering end to end industrial insulation & scaffolding service's. **Thermo Engineers** are in the business from more than 20 years...

Today, we are Known as a one stop multi disciplinary solutions providers a wide spectrum of industries on turnkey basis





## Our Insulation Services

**Hot Insulation** (Boiler, Piping & etc...)  
**Cold Insulation** (Chiller, AC Pipeline & etc...)  
**Chimney Insulation**  
**Vessel Insulation**  
**Turbine Insulation**  
**Roof Insulation**  
**HVAC/Duct Insulation**

## Our Scaffolding Services

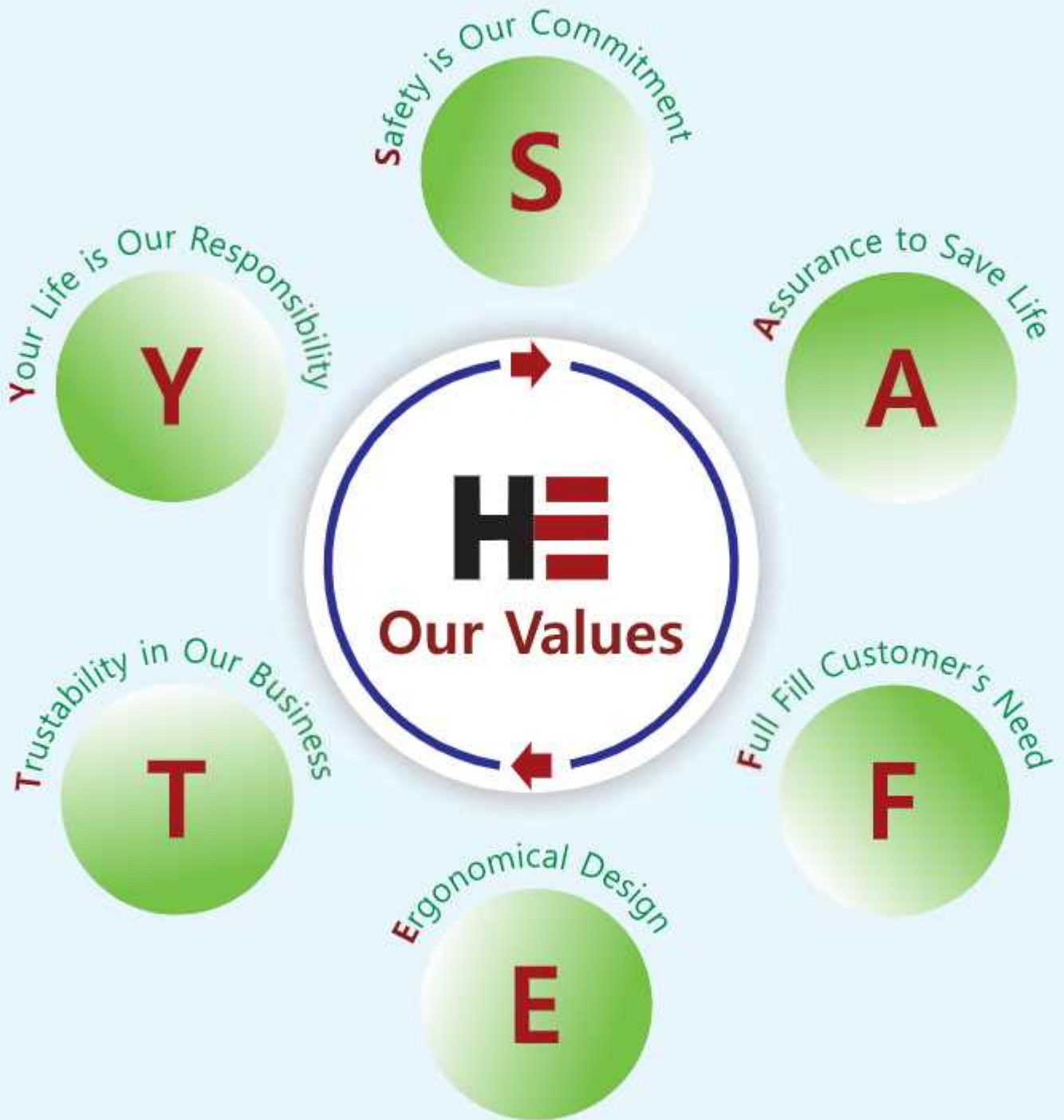
**Static Scaffolding**  
**Independent Scaffolding**  
**Birdcage Scaffolding**  
**cantilever Scaffolding**  
**Hanging Scaffolding**  
**Mobil Tower Scaffolding**





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## PERSONAL PROTECTIVE EQUIPMENTS



HEAD PROTECTION



VISIBILITY PROTECTION



EYE PROTECTION



HAND PROTECTION



RESPIRATORY PROTECTION



FOOT PROTECTION



EAR PROTECTION



FACE PROTECTION



FALL PROTECTION



## PPE'S OVERVIEW

### PERSONAL PROTECTIVE EQUIPMENT

According to the Health and Safety Executive (HSE), Personal protective equipment (PPE) is 'equipment that will protect the user against health or safety risks at work'. It can include items such as safety helmets, gloves, eye protection, high-visibility clothing, safety footwear and safety harnesses etc.

#### Fall Protection:-

Working at height remains one of the biggest causes of fatalities and major injuries. Common cases include falls from roofs, ladders. 'Work at height' means work in any place where, if there were no precautions in place, a person could fall a distance liable to cause personal injury (for example a fall through a fragile roof down an unprotected lift shaft, stairwells). **Example** - Full Body Harness, Fall arrest system, rescue harness etc.



#### Body Protection:-

Many hazards can threaten the body protection: heat, splashes from hot metals and liquids, low visibility impacts, cuts, acids, and radiation. A variety of protective clothing is available, including jackets, aprons, coveralls, Fire retardant wool and specially treated cotton clothing items are comfortable, and they adapt well to a variety of workplace temperatures. **Example** - Safety Jackets, Boiler suit, Danglee, Fire retardant cloth etc.



#### Foot Protection:-

Foot protection is any piece of personal protective equipment protecting one's foot from any injury while at work or during movement. The foot is a vital part of our body and since we are on our feet constantly from day to day, they are more susceptible to injury. If a foot is injured, our movement may be temporarily or permanently restricted. **Example** - safety Boots, Anti-static shoes, safety shoes etc.



#### Head Protection:-

A head injury can impair an employee for life or it can be fatal. Wearing a safety helmet or hard hat is one of the easiest ways to protect an employee's head from injury. Hard hats can protect employees from impact and penetration hazards as well as from electrical shock and burn hazards. **Example** - Hard Hats, bump caps etc.



#### Hand Protection:-

Hand protection is saving one's hands from any sort of injury at work... Very often, hands are exposed to hazardous conditions such as sharp edges, pinch points, rotary machinery, hot objects, electricity, splinters and chemicals etc. **Example** - Workgloves & grantlets etc.



#### Respiratory Protection:-

Information on the requirements for respirators to control the development of occupational diseases caused by breathing air contaminated with harmful dusts, fogs, fumes, mists, gases, smokes, sprays, and vapors is available in the Respiratory Protection PPE'S **Example** - Face Mask, Breathing apparatus etc.



#### Eye Protection :-

Eye protection is a type of personal protective equipment (PPE) designed to prevent injury to the eye. The eyes are one of the most important organs as well as vulnerable parts of human body. Eyes are easily injured by many things such as small particles, chemicals, biological agents, strong visible light and non-visible rays. Eyes should be protected by using appropriate eye protection. **Example** - safety goggles, eye shield and face shield etc.



#### Ear Protection:-

Exposure to high noise levels can cause hearing loss or impairment. It can create physical and psychological stress. There is no cure for noise-induced hearing loss, so the prevention of excessive noise exposure is the only way to avoid hearing damage. **Example** - earplugs, Earmuffs etc.







## FACTORY TOUR







## PPE's MANUFACTURING







## TESTING FACILITIES









[illegible][illegible][illegible][illegible][illegible]

			
<b>Calibration Certificate</b> Issued by: <b>NCL Pvt. Limited</b> Date: <b>20/01/2014</b>		<b>Calibration Certificate</b> Issued by: <b>NCL Pvt. Limited</b> Date: <b>20/01/2014</b>	
<b>Customer Details</b> Name: <b>Mr. M. S. Kulkarni</b> Address: <b>Plot No. 1, Sector 10, Gurgaon, Haryana</b> Contact: <b>98100 12345</b>		<b>Instrument Details</b> Name: <b>Digital Caliper</b> Model: <b>150 mm</b> Serial No.: <b>12345</b>	
<b>Measurement Details</b> Measured: <b>150 mm</b> Tolerance: <b>± 0.02 mm</b> Result: <b>150.00 mm</b> Status: <b>Pass</b>		<b>Calibration Details</b> Standard: <b>ISO 9001:2008</b> Method: <b>Visual Inspection</b> Date: <b>20/01/2014</b> Validity: <b>12 Months</b>	
<b>Signature of Customer</b> Name: <b>Mr. M. S. Kulkarni</b> Designation: <b>Owner</b> Date: <b>20/01/2014</b>		<b>Signature of NCL</b> Name: <b>Mr. M. S. Kulkarni</b> Designation: <b>Owner</b> Date: <b>20/01/2014</b>	

[illegible]



**NCL**



**NCL Pvt. Limited**  
NCL INDUSTRIES LIMITED

## CALIBRATION CERTIFICATE

<b>Customer Name</b> <b>Customer Address</b> <b>Contact Person</b>		<b>Calibration No.</b> <b>Date of Calibration</b>	
<b>Calibration For</b> (For Calibration, please attach the description of the item)		<b>Calibration Standard</b> (For Calibration, please attach the description of the item)	
<b>Remarks</b> (For Calibration, please attach the description of the item)		<b>Remarks</b> (For Calibration, please attach the description of the item)	

Sl. No.	Item Description	Unit	Value	Tolerance
1	Item 1			
2	Item 2			
3	Item 3			
4	Item 4			
5	Item 5			
6	Item 6			
7	Item 7			
8	Item 8			
9	Item 9			
10	Item 10			
11	Item 11			
12	Item 12			
13	Item 13			
14	Item 14			
15	Item 15			
16	Item 16			
17	Item 17			
18	Item 18			
19	Item 19			
20	Item 20			

**Remarks:**

1. The results of calibration are valid for the period specified in the certificate.

2. The results of calibration are valid for the period specified in the certificate.

3. The results of calibration are valid for the period specified in the certificate.

4. The results of calibration are valid for the period specified in the certificate.

5. The results of calibration are valid for the period specified in the certificate.

6. The results of calibration are valid for the period specified in the certificate.

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8. The results of calibration are valid for the period specified in the certificate.

9. The results of calibration are valid for the period specified in the certificate.

10. The results of calibration are valid for the period specified in the certificate.

**Calibrated By**

*(Signature)*



**Checked By**

*(Signature)*

**Calibration Date**

*(Date)*



## SIZE MASTER CALIBRATION SERVICES

(For Masters, Instruments & Dimensional Metrology Services)  
 State & Central Government & Non-Government Industry  
 Metrology Department, Government of India



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**CERTIFICATE OF CALIBRATION**

**1. CUSTOMER INFORMATION**

Customer Name:

Customer Address:

Customer Contact Person:

Customer Phone:

**DATE OF WORK: 12/01/2018**

**Page: 1 of 2**

**2. INSTRUMENT INFORMATION**

Instrument Name:

Instrument ID:

Instrument Serial No:

**3. WORK ORDER INFORMATION**

Work Order No:

Work Order Date:

Work Order Description:

**4. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**5. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**6. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**7. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**8. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**9. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**10. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**11. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**12. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**13. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**14. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**15. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**16. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**17. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**18. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**19. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**20. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**21. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**22. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**23. MEASUREMENT INFORMATION**

Measurement Type:

Measurement Value:

Measurement Uncertainty:

**24. INSTRUMENT TYPE**

Instrument Type:

Instrument Model:

Instrument Serial No:

**25. MEASUREMENT INFORMATION**

Measurement Type: </



# TEST REPORT BY DGFLSI

CENTRAL LABOUR INSTITUTE  
DIRECTORATE GENERAL FACTORY ADVICE SERVICE & LABOUR INSTITUTE  
GOVERNMENT OF INDIA  
MINISTRY OF LABOUR AND EMPLOYMENT  
SIDO, MUMBAI-400 022

DATE: 01/03/2022  
REF NO: 105/INTL/TK/2021-22  
CODE NO: 10275-0104-01

## PERFORMANCE REPORT

Name & Address of the Supplier: M/s. Homet Engineers Pvt. Ltd., Rajkot  
Type of PPE Sample: Industrial Safety Belt  
Specification of Sample: IS: 3021- (1996)  
Ref. No. Award: / 562 Award 18.02.2022  
Description of Sample: Industrial safety belt (orange and black colour)

Sr. no.	Test	BSI Specification	Result	Remarks
1.	Performance test (Clause 5.3.3.1)	The attachment of metal parts, load bearing components and joints of Safety belt and full body harness should withstand the prescribed performance test as per Annex B.	There was no damage, slippage and other deterioration at load bearing components.	Conforms
2.	Static load test (Clause 5.3.3)	The harness, strap, withstood a FSN load when tested in accordance to the static load test given in Annex C, without exhibiting the damage.	There was no damage harness & withstood a 1743N load.	Conforms
3.	Dynamic Load test (Clause 5.3.4)	Effect of the severity of the test discovery at the end of test fall on the performance of the harness and the effect on the shape of test strategy as per Annex D.	There was no damage and slippage and other deterioration in the harness and load bearing components.	Conforms

4.	Flammability Resistance Test (Clause 5.3.1)	Categorize the burning behavior of harness when tested in accordance with Table 1 of Clause A-9.	Material - cannot be categorized.	—
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NOTE: 1. The performance test report pertains to the sample submitted for the test under reference and should not treated as certificate of approval.  
2. Sample was drawn by Central Labour Institute.  
3. Complaint/Query if any are to be received within 12 days of date of receipt of the test report and shall write to unit accordingly.  
4. This report is not meant for legal purpose.

Reported by:  
  
Pooja Lakshmi  
Sr. Scientific Asstt.

Supervised by:  
  
(D. H. Acharya)  
Asstt. Director (Int. Hygiene)



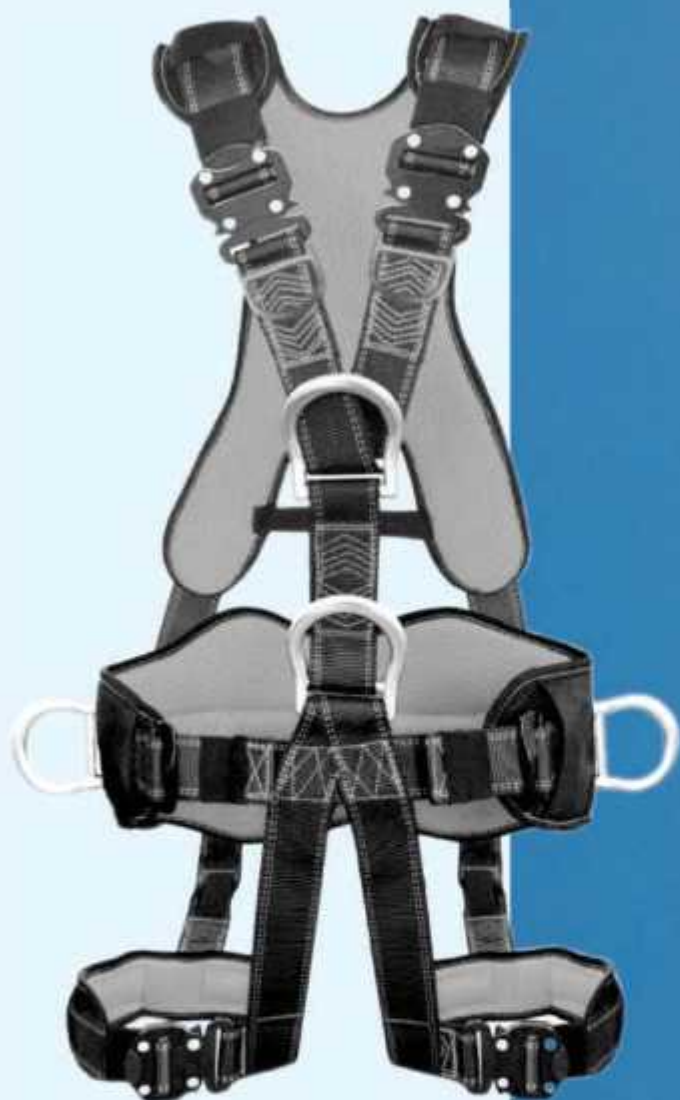


## HOTTEX TEAM WORK ON WTP, JAIPUR





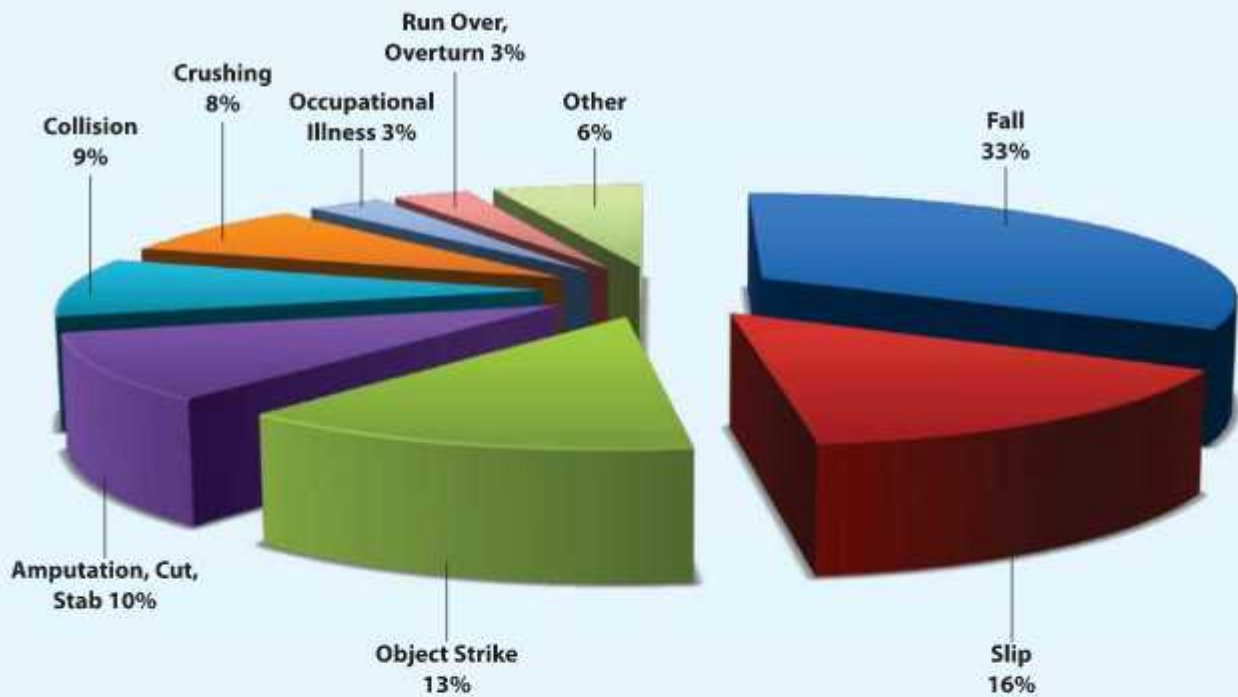
## FALL PROTECTION





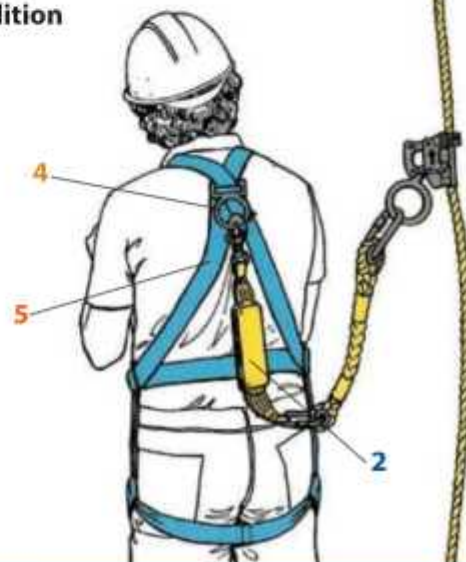


## DIFFERENT TYPE INDUSTRIAL ACCIDENT SCENARIO



### INSPECTION/INSTRUCTIONS OF FULL BODY HARNESS

1. **To check** lanyards are in good condition
2. **To check** shock absorber/resistance are in good condition
3. **To check** snap hooks are in good condition
4. **To check** D-ring & holding buckle is in good condition
5. **To check** Back straps are in good condition
6. **To check** Chest straps are in good condition
7. **To check** Leg straps are in good conditions
8. **To check** Shoulder straps are in good condition
9. **To check** Durable stitches are in good condition
10. **To check** Adjustable strap metal buckle are in good condition
11. **To check** Strap holder are in good condition





## Fall Protection Related Terms

**Anchorage:** A secure point of attachment for lifelines, lanyards, or deceleration devices.

**Anchorage Connector:** A component or system used to join the connecting device (lanyard, lifeline or deceleration device) to the anchorage.

**Arresting Force:** The force transmitted to the body when a fall is arrested. Also known as Fall Arrest Force.

**Body Belt:** A strap that is secured around the waist and is used for positioning or restraint only. Body belts are not used for fall arrest. Also known as safety belt.

**Body Harness:** A design of straps which is secured about a person in a manner to distribute fall arresting forces over at least the thighs, pelvis, waist, chest and shoulders, with provisions for attaching it to other components of a personal fall arrest system. Also known as a full body harness.

**Body Support:** Personal protective equipment worn by a worker, such as a body belt or body harness.

**Buckle:** An integral connector used to attach straps or webbing segments together or to themselves.

**Carabiner:** A connector component generally composed of a trapezoidal or oval shaped body with a normally closed gate or similar arrangement which may be opened to permit the body to receive an object and, when released, automatically closes to retain the object. Carabiners used in personal fall protection should be self-closing and self-locking and only be capable of opening with two consecutive actions by the user.

**Confined Space:** An enclosed area that is large enough and so configured that an employee can bodily enter and has the following characteristics: Its primary function is something other than human occupancy, has restricted entry and exit, and may contain potential or known hazards.

**Connector:** A mechanism or device used to join together components of a personal fall arrest system (for example a carabiner) or parts of a component within the system (such as a D-ring on a body harness).

**Continuous Fall Protection:** A fall protection system that is designed so that there is no unprotected exposure to an elevated fall hazard.

**Deceleration Device:** A device that absorbs or dissipates energy during a fall arrest.

**Deceleration Distance:** The additional vertical distance a falling person travels, excluding lifeline elongation and free fall distance, before stopping, from the point at which the deceleration device begins to operate. It is measured as the distance between the location of a person's body harness attachment point at the moment of activation (onset of fall arrest forces) of the deceleration device during a fall, and the location of that attachment point after the person comes to a full stop.

**D-Ring:** An integral "D" shaped connector commonly found on body wear and some anchorage connectors which allows for attaching a connecting device (lanyard, lifeline, or deceleration device).

**Energy-Absorber:** A component of a personal fall arrest system which allows dissipation of energy by extending deceleration distance reducing fall arrest forces.

**Energy-Absorbing Lanyard:** A specially designed lanyard that elongates during a fall to significantly reduce fall arrest forces.

**Fall Indicator:** A safety device or warning flag which serves to let a user know that a component of a personal fall arrest system has been involved in a fall, or has been exposed to equivalent forces, and should be removed from service.

**Fall Limiter:** A self-retracting lifeline/lanyard with a quick-activating braking system that limits a free fall. Refer to self-retracting lifeline/lanyard.

**Fixed Anchorage:** A stationary anchor point that is capable of supporting at least twice the maximum potential force of the fall arrest system.

**Free Fall:** The act of falling before the personal fall arrest system begins to apply force to arrest the fall.

**Free-Fall Distance:** The vertical displacement that a person falls before the fall arrest system begins to arrest the fall.

**Friction Buckle:** An integral connector whereby the webbing passes over the knurled bar and back down between the knurled bar and frame to adjust and tighten webbing straps.

**Full Body Harness:** A design of straps which is secured about a person in a manner to distribute fall arresting forces over at least the thighs, pelvis, waist, chest and shoulders, with provisions for attaching it to other components of a personal fall arrest system. Also known as a full body harness.

**Hardware:** Buckles, D-rings, snap hooks and associated connectors which are used to attach components of a personal fall arrest system or parts of a component within the system.

**Ladder Climbing Safety Device:** A device that is connected to a harness and fall arrester to prevent a fall from ladders.

**Lanyard:** A flexible line of rope, wire rope/cable, or webbing which generally has a connector at each end for securing a body belt or body harness to a lifeline, deceleration device or anchorage.

**Lanyard Ring:** a component of a body harness that allows the user to attach a lanyard when not in use so that it is not hanging freely.

**Lifeline:** A line provided for direct or indirect attachment to a body belt, body harness, lanyard, or deceleration device. Such lifelines may be horizontal or vertical in application.

**Lower Level:** An area or surface to which a person can fall.

**Locking Snap Hook:** A snap hook that includes a locking mechanism which will keep the hook closed and locked until manually unlocked and opened.

**Mating Buckle:** An integral connector whereby a center bar is pushed through a square link. Webbing is then tightened for proper fit.





## Fall Protection Related Terms

**Personal Fall Arrest System:** An arrangement of components that together will arrest a person in a fall from a working level. It typically consists of an anchorage, connecting device and body harness, and may include a lanyard, deceleration device, lifeline or a combination of these.

**Personal Fall Limiter (PFL):** A self-retracting lanyard with a quick-activating braking system that limits a free fall. In addition, a PFL offers versatility through dual operation by either attaching directly to the harness back D-ring for use as a personal fall limiter, or can be used as a traditional retractable lifeline.

**Personal Lowering Device/Controlled Descent Device:** A device that provides a means of lowering an individual from a height at a controlled rate of descent.

**Quick-Connect Buckle:** For leg and chest harness straps that interlock similar to a seat belt for easy use and features a dual-tab release mechanism to prevent accidental opening.

**Roll Out:** A process by which a snap hook, carabiner or similar device unintentionally dis-engages from another component to which it is attached.

**Rope Grab:** A deceleration device that travels on a lifeline and automatically engages the lifeline and locks so as to arrest a fall.

**Self Retracting Lifeline/Lanyard:** A deceleration device containing a drum-wound line which can be slowly extracted from or retracted onto the drum under slight tension during normal worker movement, and which, after onset of a fall, automatically locks the drum and arrests the fall. Refer to fall limiter.

**Snap hook:** A self-closing device with a keeper, latch or other similar arrangement that will remain closed until manually opened. Snap hooks used in personal fall protection should be self-closing and self-locking and only be capable of opening with two consecutive actions by the user.

**Strap:** A length of webbing.

**Stretchable Harness:** A full-body harness constructed from webbing that is a blend of nylon, polyester, and a specially-formulated elastomer that stretches. Includes provisions for attaching a lanyard, lifeline or deceleration device.

**Sub-Pelvic Strap:** A full-body harness strap, which passes under the buttocks without passing through the crotch, which is designed to transmit forces applied during fall arrest or post-fall suspension to the sub-pelvic part of the body.

**Suspension Trauma (Orthostatic Intolerance):** A condition that may occur when a person falls and remains suspended both vertical and sedentary for a period of time. Blood pools in the veins of the legs, which could result in unconsciousness. If a person is not rescued quickly, permanent damage and possibly death may result.

**Swing Fall:** A pendulum-like motion that can result from moving horizontally away from a fixed anchorage and falling.

**Tie-Back Lanyard:** A flexible line of heavy-duty, abrasion-resistant webbing designed to be used as the connecting device and anchorage connector with a specially-engineered snap hook able to withstand 5,000 lb. (22 kN) on the body and gate.

**Total Fall Clearance Distance:** The maximum vertical distance that a worker could potentially fall and still avoid contact with a lower level.

**Total Fall Distance:** The maximum vertical distance between a full body harness attachment point and the lowest extremity of the body before and after the fall is arrested including lanyard extension and/or deceleration distance.

**Tongue Buckle:** An integral connector similar to a standard belt buckle whereby a webbing strap is inserted through the buckle placing the buckle tongue through the appropriate grommet hole. Also known as a grommet buckle.

**Trailing Rope Grab:** A rope grab which moves freely up and down the lifeline with hands-free operation.

**Vertical Lifeline:** A component, element or constituent of a lifeline subsystem which consists of a vertically suspended flexible line with a connector at the upper end for fastening it to an overhead anchorage or anchorage connector and along which a fall arrester travels.

## Selection of Personal Fall Protection Equipment - Summary Table

Task	Anchorage	Anchorage Connector	Body Support	Connection Means	Image	HE Product Code
General Fall Arrest	Support structure capable of supporting 5,000 lb per employee attached, or designed, installed and used under the supervision of a qualified person as part of a complete personal fall arrest system which maintains a safety factor of at least two	Anchor sling, I-beam trolley, or other anchorage connector	Full body harness	Energy-absorbing lanyard or self-retracting lanyard, and lifeline and fall arrester		<b>BIS</b> HE7016FBH <b>CE</b> HE511FBH HE521FBH
Work Positioning	Support structure such as a ladder or vertical rods	Anchor sling, roof anchor system	Full body harness or body belt with D-rings for attachment of work positioning equipment	Anchor bolt, trolley, carabiner or rebar assembly		<b>BIS</b> HE7017FBH <b>CE</b> HE501WPB HE502WPB HE5241WPL HE5242WPL HE5243WPL
Restraint	Support structure	Anchor sling, tripod or davit	Full body harness or body belt with back-mounted D-ring	Positioning lanyard		<b>CE</b> HE501WPB HEA520RGFA TR14-10/20/ 35mtr
Suspension/Personnel Riding System	Support structure	Anchor sling, roof anchor system	Full body harness or body belt with back-mounted D-ring	Positioning lanyard		<b>CE</b> HE5551SH HE5556FBH HE5557FBH
Retrieval/Rescue	Support structure	Tripod or davit	Full body harness			<b>CE</b> HE5556FBH HE5557FBH
Ladder Climbing Permanent Fixed Ladders Fixed Line Fall Arrest Systems	Permanent Ladder meeting the requirements of OSHA 29 CFR 1910.27	Fixed wire rope lifeline with intermediate supports and a mobile fall arrester	Full body harness equipped with front or hip D-rings for attachment to ladder climbing fall arrest system	Connecting hardware, such as a locking carabiner, compatible with the fall arrester and body support harness		<b>BIS</b> HE7018FBH <b>CE</b> HE512FBH HE522FBH HE523FBH HE5532FBH HE5542FBH HE5543FBH
Ladder Climbing Permanent Fixed Ladders Rigid Rail Fall Arrest Systems	Permanent ladder meeting the requirements of OSHA 29 CFR 1910.27	Rigid rail or track with mobile fall arrester	Full body harness equipped with front or hip D-rings for attachment to ladder climbing fall arrest system	Connecting hardware, such as a locking carabiner, compatible with the fall arrester and body support harness		<b>CE</b> HE556FBH HE557FBH HEA520RGFA TR14-10/20/ 30/40/50mtr
Ladder Climbing – Temporary, Portable Ladders – Rope Grab Systems	Overhead structural member of suitable size, shape and strength to support the fall arrest system	Vertical lifeline, synthetic rope or wire type, with "rope grab" mobile fall arrester	Full body harness equipped with back-mounted D-ring for fall arrest	Lanyard or energy-absorbing lanyard as specified by the manufacturer of the rope grab fall arrester		<b>CE</b> HE512FBH HE5251EA HE5206TRL
Evacuation/ Controlled Descent Systems	Support structure	Tie-off sling is an option	Full body harness with either front or shoulder mounted D-ring	Controlled descent device		<b>CE</b> HE5544FBH HE7019FBH





## HOTTEX HARNESS WEARING STEPS



### STEP-1.

Always Hold harness by Dorsal D-ring. Shake harness to allow all straps to fall in place.



### STEP-4.

Pull the leg strap between the legs & connect to the opposite end using the special buckles. Repeat for the other leg & all other connections are made similarly.



### STEP-2.

Release straps (Chest, Waist, Leg) & unbuckle at this time. Inspect the harness webbing for any cut, abrasion or burn marks, broken stitches.



### STEP-5.

Connect chest strap and position in mid chest area 6" (152mm) to 8" (203mm) below the trachea but not below the sternum. Tighten to keep shoulder straps taut.



### STEP-3.

Slip straps over shoulders so D-ring is located in middle of back between shoulder blades.



### STEP-6.

Insure harness has fitted tightly, It still allows full range of movements.



## PREMIUM HARNESS

### HE5570FBH

**HOTTEX  
PREMIUM**

**HOTTEX ENGINEERS** introduces its “**HOTTEX PREMIUM**” Series of Harnesses - the culmination of our experience, ongoing research and incorporation of lightweight materials and innovative features such as Quick Connect Buckles, Moisture Wicking & Breathable padding, Aluminium D-rings, Lanyard Keepers etc. to provide upmost comfort and protection to it's user.



- ATTACHMENT ELEMENTS**
- 1 Dorsal & 1 Sternal D-ring for Fall Arrest
  - 1 Ventral D- Ring at waist level in front for Rope Access & Rescue
  - 2 Lateral D-Rings at waist level on the sides for Work Positioning
  - Equipped with light weight Aluminium D-rings & Quick Connect Buckles

**ADAPTABILITY** Adjustable shoulder, thigh-straps and waist belt

**CONVENIENCE** Shoulder & Thigh straps are incorporated with Automatic Quick Connect Buckles and Waist strap has combination buckles for easy adjustment. Tool holder loops (Two) and an extra bigger handle at the back for holding addition Karabiners, tools and accessories. Lanyard Keepers on shoulder straps are provided for easy placement of free lanyards.

**ERGONOMICS** Ideally positioned Elasticated straps for extended comfort. Specially cushioned pad with breathable mesh net is used for better shock absorption & comfort of the user.

**CONFORMS TO** EN 361:2002, EN 358:2000 & EN 813:2008





## WORK POSITIONING BELTS

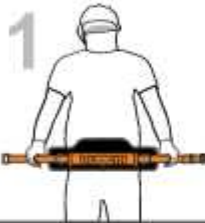
The Work Positioning System comprises of a Work Positioning Belt along with a Work Positioning Lanyard enables the worker to work at heights in a well supported position, with both his hands free.

**HOTTEX ENGINEERS** produces a wide & comfortable range of Work Positioning Belts which include adjustable Waist Belt with side D-rings on each hip and hold & sustain you at a specific work location, limiting any free fall 2 feet or less.

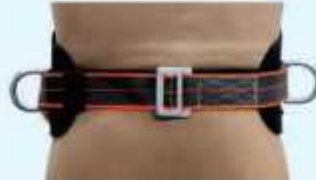


The work Positioning Belts and Work Positioning Lanyards, should not be used for Fall Protection.

### STEPS FOR WORK POSITIONING



Adjust the lanyard length with the adjuster in order to work comfortably with both hands free.



FRONT



BACK

### HE501WPB

Wide comfort pad to provide lumbar support for long working hours

Fully Adjustable

Width of back pad : 21 cms.

Two Lateral D-rings for Work Positioning.

Tool holding webbing loops.

Rings for tool holders, bolt bags etc.

Available in size- Universal

Conforms to EN 358:2000.



FRONT



BACK

### HE502WPB

Optimum width comfort pad to provide sufficient lumbar support.

Fully Adjustable

Width of back pad : 14 cms.

Two Lateral D-rings for Work Positioning.

Tool holding webbing loops.

Rings for tool holders, bolt bags etc.

Available in size- Universal

Conforms to EN 358:2000.



FRONT



BACK

### WORK POSITIONING TOOL BELT

#### HE503WPB

Optimum width comfort pad to provide sufficient lumbar support.

Width of back pad : 21 cms.

Two Lateral D-rings for Work Positioning.

Rings for tool holders, bolt bags etc.

Available in size- Universal

Conforms to EN 358:2000.



# LANDYARDS

## WORK POSITIONING LANYARDS

### Work Positioning Lanyards

HOTTEX ENGINEERS has a comprehensive and customized series of Work Positioning Lanyards. These Lanyards can be connected to the Lateral D-Rings on the Work Positioning Belts or Combination Harnesses and easily adjusted for their lengths to suit the application.

- All Work Positioning Lanyards are tested and CE certified as per EN 358:2000.
- Breaking Strength min 15 kN.



### Work Positioning Lanyard with Ring Adjuster

#### HE-5241-WPL

Made up of 12mm dia for polyamide Kernmantle rope

Easy to connect Steel Karabiner at both the ends for attachment

Manual Ring type adjuster for Work Positioning & length adjustment.

Maximum length of 2.0 mtr.

Conforms to EN 358:2000



### Work Positioning Lanyard with Ring type Adjuster

#### HE-5242-WPL

Made of 14mm dia polyester 3-strand Twisted Rope.

Has a manual Ring-type adjuster for Work Positioning & length adjustment.

Maximum length of 2.0 mtr.

Easy to connect Steel Karabiners at both the ends for attachment.

Can be customized as per requirements.

Conforms to EN 358:2000



### Work Positioning Lanyard with Grip Adjuster

#### HE-5243-WPL

Made of 14mm dia polyester 3-strand Twisted Rope

Has a convenient Rope-grab adjuster for easy length adjustment & Work Positioning.

Maximum length of 2.0 mtr.

Easy to connect Steel Karabiners at both the free ends for attachment.

Conforms to EN 358:2000





# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE511FBH  
CONFORMS TO EN 361:2002

## DESCRIPTION

Full body harnesses are designed to support the body during and after the arrest of a fall. A Dorsal D-ring at back & Adjustable Thigh-Straps & Chest-Straps



## GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.

**Adjustable** chest & thigh straps.

**Size** : Universal

**Light Weight** (740 gm  $\pm$  10%)

## TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

## MATERIAL DETAILS

**Material** Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

## TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
HE-S361-FWL



Product Code  
HE-5251-FTRL



Product Code  
HE-5204-TRL



Product Code  
HE-5351-FTRL



Product Code  
HE-5261-FWL



Product Code  
HE-5226-WL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.



# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE **HE512FBH**  
CONFORMS TO EN 361:2002

## DESCRIPTION

Full body harnesses are designed to support the body during and after the arrest of a fall. Two Chest attachment textile loops for ladder Climbing and a Dorsal attachment D- Ring for fall arrest, Adjustable Thigh-Straps & Chest-Strap



### GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.  
**Adjustable** chest & thigh straps.

**Size** Universal

**Light** Weight (780 gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

### MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metallic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
**HE-5361-FWL**



Product Code  
**HE-5251-FTRL**



Product Code  
**HE-5204-TRL**



Product Code  
**HE-5351-FTRL**



Product Code  
**HE-5261-FWL**



Product Code  
**HE-5226-WL**

**NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.**





# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE **HE521FBH**  
CONFORMS TO EN 361:2002

## DESCRIPTION

Full body harnesses are designed to support the body during and after the arrest of a fall for easy adjustment of Chest-Strap, Thigh-Straps, Leg-Straps.



### GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.

**Adjustable** chest & thigh straps, leg straps

**Size** Universal

**Light Weight** (780 gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyamide (9PLY)

### MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minium resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
**HE-5361-FWL**



Product Code  
**HE-5251-FTRL**



Product Code  
**HE-5204-TRL**



Product Code  
**HE-5351-FTRL**



Product Code  
**HE-5261-FWL**



Product Code  
**HE-5226-WL**

**NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.**



# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE522FBH  
CONFORMS TO EN 361:2002

## DESCRIPTION

Full body harnesses are designed to support the body during and after the arrest of a fall. Two Chest attachment textile loops and a Dorsal attachment D-Ring for Fall Arrest. Adjustable shoulder and thigh-straps & Chest-Straps.



## GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.

**Adjustable** chest & thigh straps, shoulder Straps

**Size** Universal

**Light** Weight (980 gm  $\pm$  10%)

## TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

## MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

## TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metallic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
HE-5361-FWL



Product Code  
HE-5251-FTRL



Product Code  
HE-5204-TRL



Product Code  
HE-5351-FTRL



Product Code  
HE-5261-FWL



Product Code  
HE-5226-WL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.





# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE523FBH  
CONFORMS TO EN 361:2002

## DESCRIPTION

Full body harnesses are designed to support the body during and after the arrest of a fall. Two Chest attachment D- Rings for ladder climbing and a dorsal attachment D- Ring for Fall Arrest. Adjustable shoulder and thigh-straps; for easy adjustment of Chest-Strap



### GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.  
**Adjustable** chest & thigh straps, shoulder Straps

**Size** Universal

**Light Weight** (1300 gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

### MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
HE-5361-FWL



Product Code  
HE-5251-FTRL



Product Code  
HE-5204-TRL



Product Code  
HE-5351-FTRL



Product Code  
HE-5261-FWL



Product Code  
HE-5226-WL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.



# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE **HE7016FBH**

CONFORMS TO IS 3521:1999

## DESCRIPTION

Class A harness are used for general fall arrest situations & have a large D-ring anchor point on back. These are the most common harness for the construction & manufacturing industries Adjustable thigh-straps & chest straps.



### GENERAL DETAILS

**Color** Dual (Orange & Grey) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.

**Size** Universal

**Light Weight** (780gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** High-Tenacity Polyester (9PLY)

### MATERIAL DETAILS

**Material** Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
**HE-5361-FWL**



Product Code  
**HE-5251-FTRL**



Product Code  
**HE-5204-TRL**



Product Code  
**HE-5351-FTRL**



Product Code  
**HE-5261-FWL**



Product Code  
**HE-5226-WL**

**NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.**





# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE **HE7017FBH**  
CONFORMS TO IS 3521:1999

## DESCRIPTION

Class P harness are classified as work positioning harness. This harness provide complete protection to the worker. In this harness consists of to lateral D-rings on both side at waist level to help the worker in positioning during work & one dorsal D-ring at back for fall arrest. Adjustable thigh-straps, chest strap & waist belt.



## GENERAL DETAILS

**Color** Dual (Orange & Grey) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest at back.

**Two** dorsal D-Rings attached on each on waist front side.

**Size** Universal

**Light Weight** (975gm  $\pm$  10%)

## TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** High-Tenacity Polyester (9PLY)

## MATERIAL DETAILS

**Material** Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

## TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
**HE-5361-FWL**



Product Code  
**HE-5251-FTRL**



Product Code  
**HE-5204-TRL**



Product Code  
**HE-5351-FTRL**



Product Code  
**HE-5261-FWL**



Product Code  
**HE-5226-WL**

**NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.**



# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE **HE7018FBH**  
CONFORMS TO IS 3521:1999

## DESCRIPTION

Class L harness are used for general fall arrest situations & ladder climbing. One dorsal D-ring at back for fall arrest & 2 chest D-rings attached on chest for ladder climbing. Adjustable thigh-straps & chest strap.



### GENERAL DETAILS

**Color** Dual (Orange & Grey) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest at back.  
**Two** dorsal D-Rings attached on each chest front side.

**Size** Universal

**Light Weight** (1050gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** High-Tenacity Polyester (9PLY)

### MATERIAL DETAILS

**Material** Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
**HE-5361-FWL**



Product Code  
**HE-5251-FTRL**



Product Code  
**HE-5204-TRL**



Product Code  
**HE-5351-FTRL**



Product Code  
**HE-5261-FWL**



Product Code  
**HE-5226-WL**

**NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.**





# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE5531FBH

CONFORMS TO EN 361:2002  
EN 358:2000

## DESCRIPTION

One Dorsal D- Ring for Fall Arrest & 2 lateral D-Rings at waist level on the sides for Work Positioning. Adjustable thigh-straps and waist belt, Chest-Straps.



## GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.  
**Adjustable** chest & thigh straps, waist belt.

**Size** Universal

**Light Weight** (1350 gm  $\pm$  10%)

## TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

## MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

## TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.



## Lanyard Recommendation



Product Code  
HE-5361-FWL



Product Code  
HE-5251-FTRL



Product Code  
HE-5204-TRL



Product Code  
HE-5351-FTRL



Product Code  
HE-5261-FWL



Product Code  
HE-5243-WPL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.



# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE5532FBH

CONFORMS TO EN 361:2002  
EN 358:2000

## DESCRIPTION

One Dorsal D- Ring for Fall Arrest & Two front textile loops used together ladder climbing & 2 lateral D-Rings at waist level on the sides for Work Positioning. Adjustable thigh-straps and waist belt, chest-strap.



### GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.  
**Adjustable** chest & thigh straps, waist belt.

**Size** Universal

**Light Weight** (1390 gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

### MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
HE-5361-FWL



Product Code  
HE-5251-FTRL



Product Code  
HE-5204-TRL



Product Code  
HE-5351-FTRL



Product Code  
HE-5261-FWL



Product Code  
HE-5243-WPL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.





# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE5541FBH

CONFORMS TO EN 361:2002  
EN 358:2000

## DESCRIPTION

One Dorsal D- Ring for Fall Arrest & 2 lateral D-Rings at waist level on the sides for Work Positioning. Adjustable thigh-straps and waist belt, chest-strap.



### GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.  
**Adjustable** chest & thigh straps, waist belt.

**Size** Universal

**Light Weight** (1580 gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

### MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
HE-5361-FWL



Product Code  
HE-5251-FTRL



Product Code  
HE-5204-TRL



Product Code  
HE-5351-FTRL



Product Code  
HE-5261-FWL



Product Code  
HE-5243-WPL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.



# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE5542FBH

CONFORMS TO EN 361:2002  
EN 358:2000

## DESCRIPTION

One Dorsal D- Ring for Fall Arrest & Two chest attachments textile loops for ladder climbing & 2 lateral D-Rings at waist level on the sides for Work Positioning. Adjustable shoulder, thigh & chest straps and waist belt.



### GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.  
**Adjustable** chest & thigh straps, shoulder Straps, waist belt.

**Size** Universal

**Light** Weight (1650 gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

### MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
HE-5361-FWL



Product Code  
HE-5251-FTRL



Product Code  
HE-5204-TRL



Product Code  
HE-5351-FTRL



Product Code  
HE-5261-FWL



Product Code  
HE-5243-WPL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.





# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE5543FBH

CONFORMS TO EN 361:2002  
EN 358:2000

## DESCRIPTION

One Dorsal D- Ring for Fall Arrest & Two chest attachment D-rings used together for fall arrest & 2 lateral D-Rings at waist level on the sides for Work Positioning. Adjustable shoulder, thigh & chest straps and waist belt.



### GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.  
**Adjustable** chest & thigh straps, shoulder Straps, waist belt.

**Size** Universal

**Light Weight** (1850 gm  $\pm$  10%)

### TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

### MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

### TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Lanyard Recommendation



Product Code  
HE-5361-FWL



Product Code  
HE-5251-FTRL



Product Code  
HE-5204-TRL



Product Code  
HE-5351-FTRL



Product Code  
HE-5261-FWL



Product Code  
HE-5243-WPL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.



# FALL PROTECTION SIT HARNESS

PRODUCT CODE HE5551SH

CONFORMS TO EN 358:2000  
EN 813:2008

## DESCRIPTION

1 Ventral D- Ring at waist level in front for Rope Access & Two lateral D-Rings at waist level on the sides for Work Positioning. Adjustable, thigh-straps and waist belt. The waist belt and the leg straps are provided with a soft padding for best possible comfort.



## GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**Adjustable** Waist & Thigh Straps

**Size** Universal

**Light Weight** (1300 gm  $\pm$  10%)

## TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

## MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

## TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## ► Attachment Recommendation



Product Code  
HE-14-TRAL



Product Code  
HE-700-RGTRAL



Product Code  
HE-5242-WPL





# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE5556FBH

CONFORMS TO EN 361:2002  
EN 358:2000  
EN 813:2008

## DESCRIPTION

One Dorsal and 1 Sternal D-Ring for Fall Arrest. One Ventral D-Ring at waist level for Rope Access work and Two Lateral D-Rings for Work Positioning. Adjustable shoulder, thigh-straps and waist belt an ideal combination of fall arrest. Work positioning, Rescue and Rope access application. Soft Padding on Shoulder, Waist & Leg straps for an extended comfort.



## GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.  
**One** dorsal D-Ring attached for fall arrest.  
**Adjustable** Shoulder & thigh Straps, Waist Belt.  
**Size** Universal  
**Light Weight** (2850 gm  $\pm$  10%)

## TEXTILE DETAILS

**Webbing** Material : Polyester  
**Webbing** Width : 44  $\pm$  1mm  
**Webbing** Breaking Strength : 23KN  
**Thread** : High-Tenacity Polyester (9PLY)

## MATERIAL DETAILS

**Material** : Forged Alloy Steel  
**Material** Coating : Zinc Coated  
**Material** Finish : Nickel Polish free from sharp edges.

## TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes Hold.  
**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.  
**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Attachment Recommendation



Product Code  
HE5361FWL



Product Code  
HE-5242-WPL



Product Code  
HE-14-TRAL



Product Code  
HE5351FTRL



Product Code  
HE5261FWL



Product Code  
HE-700-RGTRAL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.



# FALL PROTECTION FULL BODY HARNESS

PRODUCT CODE HE5557FBH

CONFORMS TO EN 361:2002  
EN 358:2000  
EN 813:2008

## DESCRIPTION

One Dorsal and 1 Sternal D-Ring for Fall Arrest. One Ventral D-Ring at waist level for Rope Access work and Two Lateral D-Rings for Work Positioning. Adjustable shoulder, thigh-straps and waist belt an ideal combination of fall arrest. Work positioning, Rescue and Rope access application. Soft Padding on Shoulder, Waist & Leg straps for an extended comfort.



## GENERAL DETAILS

**Color** Dual (Orange & Black) contrast orange use for High visibility.

**One** dorsal D-Ring attached for fall arrest.

**Adjustable** Shoulder & Thigh Straps, Waist Belt.

**Size** Universal

**Light Weight** (2130 gm  $\pm$  10%)

## TEXTILE DETAILS

**Webbing** Material : Polyester

**Webbing** Width : 44  $\pm$  1mm

**Webbing** Breaking Strength : 23KN

**Thread** : High-Tenacity Polyester (9PLY)

## MATERIAL DETAILS

**Material** : Forged Alloy Steel

**Material** Coating : Zinc Coated

**Material** Finish : Nickel Polish free from sharp edges.

## TESTING DETAILS

**Static** Test : Tested at each attachment element with a force of 15.5 KN applied for 3 minutes Hold.

**Dynamic** Test : When tested at each Fall Arrest Attachment element with a torso dummy of 100 Kg mass, the full body harness withstands drop tests with a free fall distance of 4 meter.

**Corrosion** test-metalic components used in fall indented equipment are subjected to a neutral salt spray, test to prove a minimum resistance to environmental corrosion.

## Attachment Recommendation



Product Code  
HE5361FWL



Product Code  
HE-5242-WPL



Product Code  
HE-14-TRAL



Product Code  
HE5351FTRL



Product Code  
HE5261FWL



Product Code  
HE-700-RGTRAL

NOTE - IMPROPER FIT, ADJUSTMENTS AND ATTACHMENTS CAN RESULT IN SERIOUS INJURY OR DEATH.



## RESTRAINT FORKED LANYARDS

**HOTTEX ENGINEERS** Forked Restraint Lanyards (Twin Leg) come in Twisted Rope, Braided Rope & also available in 44mm wide polyester webbing thereby offering the facility to move in all direction while remaining safely anchored at all times. The Lanyards are suited only for purpose of restraint, and should not be used for Fall protection since they do not have any Energy Absorber.

Conforms to EN 354:2010.



**HE-5241-FBRL**

Made of Polyester Braided Rope (Dia 12mm)

Length of 1.5 m, 1.8 m, 2.0 m

Equipped with : 1 Karabiner  
2 Scaffold Hooks

Conforms to EN 354:2010



**HE-5241A-FBRL**

Made of Polyester Braided Rope (Dia 12mm)

Length of 1.5 m, 1.8 m, 2.0 m

Equipped with : 1 Karabiner  
2 Scaffold Hooks

Conforms to EN 354:2010



**HE-5251-FTRL**

Made of 12mm dia 3 strands Twisted polyester Rope

Length of 1.5 m, 1.8 m, 2.0 m

Equipped with : 1 Karabiner  
2 Scaffold Hooks

Conforms to EN 354:2010



**HE-5251A-FTRL**

Made of 12mm dia 3 strands Twisted polyester Rope

Length of 1.5 m, 1.8 m, 2.0 m

Equipped with : 1 Karabiner  
2 Scaffold Hooks

Conforms to EN 354:2010



Restraint  
Forked  
Lanyards

## Restraint Forked Lanyards



### HE-5261-FWL

Made of 44mm wide Polyester webbing  
Length of 1.5m, 1.8m, 2.0 m  
Equipment with: 1 Karabiner  
2 Scaffold Hooks  
Conforms to EN 354:2010



### HE-5261A-FWL

Made of 44mm wide Polyester webbing  
Length of 1.5m, 1.8m, 2.0 m  
Equipment with: 1 Karabiner  
2 Scaffold Hooks  
Conforms to EN 354:2010



## WEBBING ROPE (44MM) RESTRAINT LANYARDS

**HOTTEX ENGINEERS** provide you with an option to customize your restraint as per your own job specific needs.

- The **Webbing** Lanyards are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- The Webbing Lanyards in this section are made up of **44mm** wide polyester webbing.
- 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.
- Variety of hooks and connectors are available for connection on both anchorage and termination end.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 354:2010.
- Minimum Breaking Strength of 23 kN.










**Restraint  
Lanyards**

REF. NO.	ATTACHMENTS	LANYARDS
HE-5221-WL	Both Side Loop	
HE-5222-WL	One Side Loop Other Side Karabiner	
HE-5223-WL	Both Side Karabiner	
HE-5224-WL	One Side Loop Other Side Snap Hook	
HE-5225-WL	Both Side Snap Hook	
HE-5226-WL	One Side Loop Other Side Scaffold Hook	
HE-5227-WL	One Side Karabiner Other Side Snap Hook	
HE-5228-WL	One Side Karabiner Other Side Scaffold Hook	
HE-5229-WL	One Side Snap Hook Other Side Scaffold Hook	

### TWISTED ROPE RESTRAINT LANYARDS

**HOTTEX ENGINEERS** provide you with an option to customize your restraint as per your own job specific needs.

- Twisted Rope Lanyards are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- Made up of 12mm dia Polyamide Twisted Rope.
- The spliced end is protected with a strong transparent protective covering sleeve, which not only protects the splicing, but also makes the splicing 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.
- The rope also has a coloured tracer strand (age indicator) which loses its colour in due course of time, to show that the Lanyard is now unfit for further use.
- Variety of hooks and connectors are available for connection on both anchorage and termination end.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 354:2010.
- Minimum Breaking Strength of 23 kN.










REF. NO.	ATTACHMENTS	LANYARDS
HE-5201-TRL	Both Side Loop	
HE-5202-TRL	One Side Loop & Other Side Karabiner	
HE-5203-TRL	Both Side Karabiner	
HE-5204-TRL	One Side Loop & Other Side Snap Hook	
HE-5205-TRL	Both Side Snap Hook	
HE-5206-TRL	One Side Loop & Other Side Scaffolder Hook	
HE-5207-TRL	One Side Karabiner & Other Side Snap Hook	
HE-5208-TRL	One Side Karabiner & Other Side Scaffolder Hook	
HE-5209-TRL	One Side Snap Hook & Other Side Scaffolder Hook	



### BRAIDED ROPE RESTRAINT LANYARDS

**HOTTEX ENGINEERS** provide you with an option to customize your restraint as per your own job specific needs.

- Braided Rope Lanyards are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- Made up of 11mm dia Polyamide Twisted Rope.
- They are cross stitched & are protected with 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.
- The rope also has a coloured tracer strand (age indicator) which loses its colour in due course of time, to show that the Lanyard is now unfit for further use.
- Variety of hooks and connectors are available for connection on both anchorage and termination end.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 354:2010.
- Minimum Breaking Strength of 23 kN.

REF. NO.	ATTACHMENTS	LANYARDS
HE-5281-BRL	Both Side Loop	
HE-5282-BRL	One Side Loop & Other Side Karabiner	
HE-5283-BRL	Both Side Karabiner	
HE-5284-BRL	One Side Loop & Other Side Snap Hook	
HE-5285-BRL	Both Side Snap Hook	
HE-5286-BRL	One Side Loop & Other Side Scaffolder Hook	
HE-5287-BRL	One Side Karabiner & Other Side Snap Hook	
HE-5288-BRL	One Side Karabiner & Other Side Scaffolder Hook	
HE-5289-BRL	One Side Snap Hook & Other Side Scaffolder Hook	



## ENERGY ABSORBER

### ENERGY ABSORBER

The Energy Absorber consists of a special white inner polyamide core which absorbs the arresting forces in the event of a fall. The coloured webbing serves as a back up. The clear protective covering helps in easy and fast visual inspection.

### HOW DOES THE ENERGY ABSORBER WORK

Shock / Energy Absorbers are designed to be incorporated in Personal Fall Arrest or Travel Restraint System. The unique design of tear webbing (used in Energy Absorber) has the ability to withstand high impact pressure thus preventing serious injury during a fall. Tear webbing of Shock / Energy Absorber is designed differently & generally involves using two strips (or halves) of webbing that are then woven together again a second time to form a single piece of webbing, but with two end 'ears'. The 'ears' are then sewn together with a piece of regular webbing in a circular loop, which is designed to be a 'back-up' strap.

During a fall height, the shock (Kinetic Energy) is to be absorbed in a controlled manner. The fall is not stopped abruptly, thus minimizing injury with gradual deceleration taking place as the progressive tearing of the webbing irreversibly absorbs the Kinetic Energy of the fall. The purpose of Shock / Energy Absorbers is to absorb energy that is created as the body falls towards the ground under that gravity. The 'shock' of the fall is reduced with an energy-dissipating system that starts to take up energy applied to it over 200 kg of fall force. Under the European Standard EN 355:2002, this must not allow the body to receive a force exceeding 6kN.



#### HE-5300-EA

Energy absorber HE-5300-EA is made up of 44mm wide polyamide Tear webbing which is purposely designed to reduce the impact of fall force to less than 6 kN in case of a fall from height.

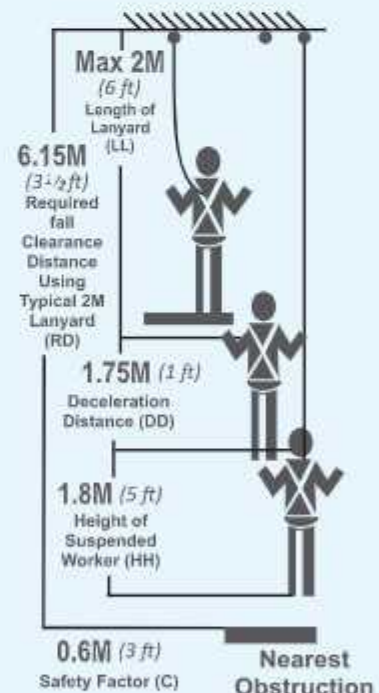
CE Certified; Conforms to EN 355:2002

#### Key Features of Shock / Energy Absorbers :

- Maximum energy absorption due to unique design
- Made of High tenacity yarns used
- High strength factors
- No rebound effect
- Minimized injury due to reduced acceleration
- Adherence to fall protection standards

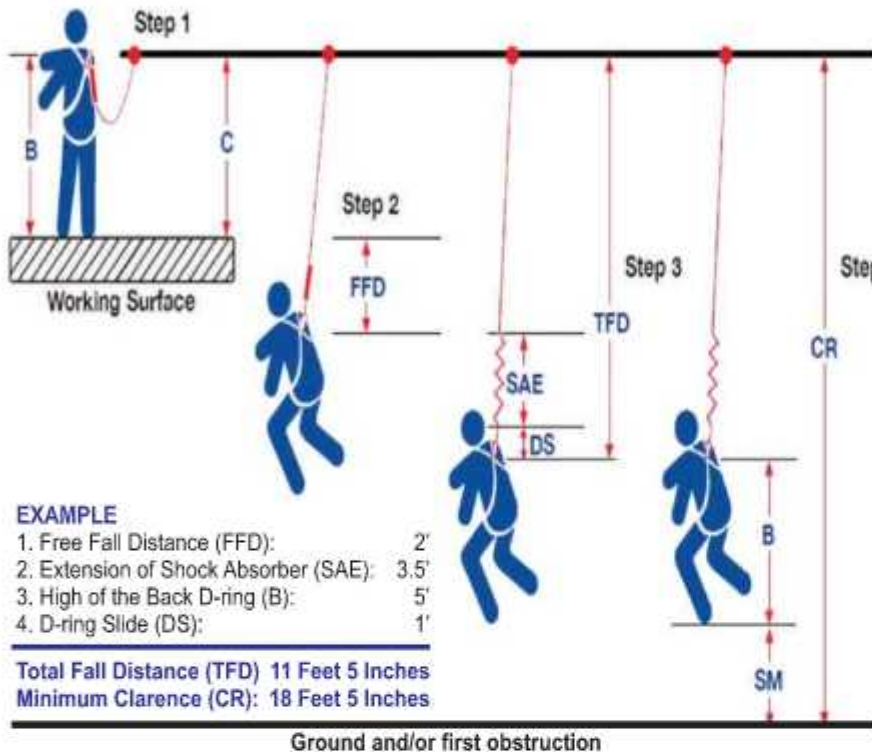
The Energy Absorber opens up to an additional length of about 110 cm, and hence the worker should always make sure that there is enough safe clear distance below his area of work.

(HOTTEX ENGINEERS recommends a safe clear distance of 6m for a 2.0 m Energy Absorbing Lanyard)

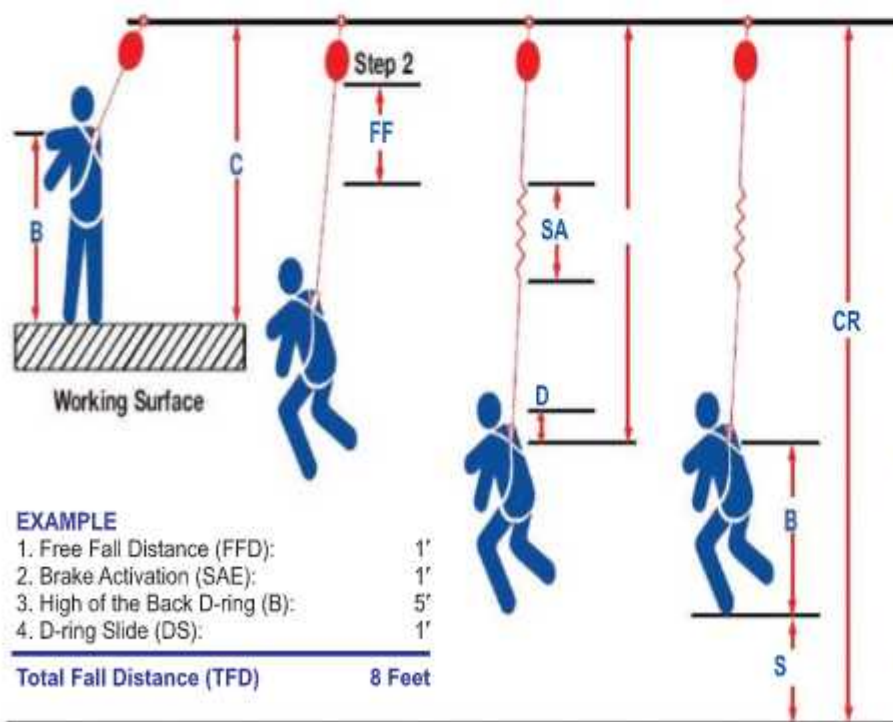




### Clearance for Shock Absorbing Lanyard



### Clearance for Retractable Lifeline



## FORKED LANYARDS WITH ENERGY ABSORBER

HOTTEX ENGINEERS Produces Energy Absorbing Forked Lanyards in Twisted Rope, Braided Rope and also in 44mm & 30mm wide Polyester webbing, and offer the facility to move in all directions while remaining safely anchored at all times.

Energy  
Absorbing  
Forked  
Lanyards



### HE-5341-FBRL

Made of Polyester Braided Rope (dia 12mm)  
Length of 1.5 m, 1.8 m, 2.0 m  
Equipped with : 1 Karabiner  
1 Energy Absorber  
2 Scaffold Hooks  
Conforms to EN 355:2002



### HE-5341A-FBRL

Made of Polyester Braided Rope (dia 12mm)  
Length of 1.5 m, 1.8 m, 2.0 m  
Equipped with : 1 Karabiner  
1 Energy Absorber  
2 Scaffold Hooks  
Conforms to EN 355:2002



### HE-5351-FTRL

Made of 3 strands 12mm dia Twisted polyester Rope  
Length of 1.5 m, 1.8 m, 2.0 m  
Equipped with : 1 Karabiner  
1 Energy Absorber  
2 Scaffold Hooks  
Conforms to EN 355:2002



### HE-5351A-FTRL

Made of Polyamide Braided Rope (Dia 12mm)  
Length of 1.5 m, 1.8 m, 2.0 m  
Equipped with : 1 Karabiner  
1 Energy Absorber  
2 Scaffold Hooks  
Conforms to EN 355:2002



## Energy Absorber Fork Lanyards



### HE-5352-FTRL

Made of 3 strands 12mm dia Twisted Polyester Rope  
Length of 1.5, 1.8m, 2.0m  
Equipped with : 1 Karabiner  
1 Energy Absorber  
2 Snap Hooks  
Conforms to EN 355:2002



### HE-5361-FWL

Made of 44 mm wide Polyester webbing  
Length of 1.5, 1.8m, 2.0m  
Equipped with : 1 Karabiner  
1 Energy Absorber  
2 Scaffold Hooks  
Conforms to EN 355:2002



### HE-5361A-FWL










Made of 44 mm wide Polyester webbing  
Length of 1.5, 1.8m, 2.0m  
Equipped with : 1 Karabiner  
1 Energy Absorber  
2 Scaffold Hooks  
Conforms to EN 355:2002

## TWISTED ROPE LANYARDS WITH ENERGY ABSORBER

**HOTTEX ENGINEERS** provide you with an option to customize your restraint as per your own job specific needs.

- **Twisted Rope** Lanyards are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- Made up of 12mm dia Polyamide Twisted Rope.
- The spliced end is protected with a strong transparent protective covering sleeve, which not only protects the splicing, but also makes the splicing 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.
- The rope also has a coloured tracer strand (age indicator) which loses its colour in due course of time, to show that the Lanyard is now unfit for further use.
- Variety of hooks and connectors are available for connection on both anchorage and termination end.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 355:2002.
- Minimum Breaking Strength of 23 kN.

**Energy  
Absorber  
Fall Arrest  
Lanyards**

REF. NO.	ATTACHMENTS	LANYARDS
HE-5301-TRLE	Both Side Loop	
HE-5302-TRLE	One Side Loop Other Side Karabiner	
HE-5303-TRLE	Both Side Karabiner	
HE-5304-TRLE	One Side Loop Other Side Snap Hook	
HE-5305-TRLE	Both Side Snap Hook	
HE-5306-TRLE	One Side Loop Other Side Scaffold Hook	
HE-5307-TRLE	One Side Karabiner Other Side Snap Hook	
HE-5308-TRLE	One Side Karabiner Other Side Scaffold Hook	
HE-5309-TRLE	One Side Snap Hook Other Side Scaffold Hook	












## BRAIDED ROPE LANYARDS WITH ENERGY ABSORBER

**HOTTEX ENGINEERS** provide you with an option to customize your restraint as per your own job specific needs.

- **Braided Rope** Lanyards are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- Made up of 11mm dia Polyester Twisted Rope.
- 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.
- 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.
- The rope also has a coloured tracer strand (age indicator) which loses its colour in due course of time, to show that the Lanyard is now unfit for further use.
- Variety of hooks and connectors are available for connection on both anchorage and termination end.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 355:2002.
- Minimum Breaking Strength of 23 kN.

**Energy  
Absorber  
Fall Arrest  
Lanyards**










REF. NO.	ATTACHMENTS	LANYARDS
HE-5381-BRLE	Both Side Loop	
HE-5382-BRLE	One Side Loop Other Side Karabiner	
HE-5383-BRLE	Both Side Karabiner	
HE-5384-BRLE	One Side Loop Other Side Snap Hook	
HE-5385-BRLE	Both Side Snap Hook	
HE-5386-BRLE	One Side Loop Other Side Scaffold Hook	
HE-5387-BRLE	One Side Karabiner Other Side Snap Hook	
HE-5388-BRLE	One Side Karabiner Other Side Scaffold Hook	
HE-5389-BRLE	One Side Snap Hook Other Side Scaffold Hook	

## WEBBING (44MM) LANYARDS WITH ENERGY ABSORBER

**HOTTEX ENGINEERS** provide you with an option to customize your restraint as per your own job specific needs.

- The **Webbing** Lanyards are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- The Webbing Lanyards in this section are made up of **44mm** wide polyester webbing.
- 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.
- Variety of hooks and connectors are available for connection on both anchorage and termination end.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 355:2002.
- Minimum Breaking Strength of 23 kN.

Energy  
Absorber  
Fall Arrest  
Lanyards

REF. NO.	ATTACHMENTS	LANYARDS
HE-5321-WLE	Both Side Loop	
HE-5322-WLE	One Side Loop Other Side Karabiner	
HE-5323-WLE	Both Side Karabiner	
HE-5324-WLE	One Side Loop Other Side Snap Hook	
HE-5325-WLE	Both Side Snap Hook	
HE-5326-WLE	One Side Loop Other Side Scaffold Hook	
HE-5327-WLE	One Side Karabiner Other Side Snap Hook	
HE-5328-WLE	One Side Karabiner Other Side Scaffold Hook	
HE-5329-WLE	One Side Snap Hook Other Side Scaffold Hook	





## ANCHORAGE WEBBING SLING

### Anchorage



#### Pole Strap

##### HE-501-PS

Made of 44mm wide polyester webbing  
Used with work positioning lanyard  
Textile loops at both the ends for attachment.  
Conforms to EN 358:2000



#### Cross Arm Strap

##### HE-502-CAS

Made of 44mm wide polyester webbing  
Length : 1.0mtr or as requested  
Has a D-ring on both the ends.  
Strength : Min 18kN for 3 minutes  
Conforms to EN 795:2012 Type B



#### Cross Arm Strap

##### HE-503-CAS

Made of 44mm wide polyester webbing  
Length : 1.0mtr or as requested  
Has a D-ring on both the ends.  
Strength : Min 18kN for 3 minutes  
Conforms to EN 795:2012 Type B



#### Anchorage Webbing Sling

##### HE-504-AWS

Made of 44mm wide polyester webbing  
Length : 1.0mtr or as requested  
Has a D-ring on both the ends.  
Strength : Min 18kN for 3 minutes  
Conforms to EN 795:2012 Type B



## TEMPORARY ANCHORAGE LINES

HOTTEX ENGINEERS Rope Grab Fall Arresters have a wide application of usage in fall arrest while climbing, and in restraint while working on roof tops, platforms and inclined planes. In the event of a fall, they are designed to “grab” on to the Anchorage Line on which they move, thus arresting the fall immediately. The Anchorage line, in conjunction with the given Rope Grab provides the necessary Shock Absorption.



### Rope Grab Fall Arrester

#### HE-700-RG

The Polyester Twisted Rope Anchorage Line of 14mm-16mm is used in a Rope Grab to enable the user to work more smoothly while going up and down. The Purpose of the Rope Grab is to immediately Grab on the Anchorage Line in case of a Fall, hence arresting the fall.

#### Features :

- Simple and safe design to ensure correct usage.
- Arrest Fall with very short fall distance.
- Easily detectable from the Anchorage Line.
- Comes with a double security locking system.
- Confirm to EN 353-2 : 2002.

### HOTTEX ENGINEERS ADVANTAGE

HOTTEX ENGINEERS Rope Grab is provided with a unique Gravity Locking System that prevents incorrect usage. It is also equipped with a double security opening system, and hence will not open unless a deliberate action is done to do so.

Automatic  
Locking

Locking Position  
Allow Manual  
Locking

Fall Arrester come with  
the unique Anti-Gravity  
Locking System

### Fall Arrester & Anchorage Lines



#### HE-701-RGFA

For use on a 14mm or 16mm Anchorage Line of Polyester Twisted Rope.

Connector: Steel Karabiner

Gravity Locking System  
Double Security Locking System  
Conforms to EN 353-2:2002



#### HE-702-RGFA

For use on a 14mm or 16mm Anchorage Line of Polyester Twisted Rope.

Connector: Steel Karabiner

Equipped with Energy Absorber  
Gravity Locking System  
Double Security Locking System  
Conforms to EN 353-2:2002



#### HE-703-RGFA

For use on a 14mm or 16mm Anchorage Line of Polyester Twisted Rope.

Connector: Snap Hook

Equipped with Spacing Strap  
Gravity Locking System  
Double Security Locking System  
Conforms to EN 353-2:2002



## Guided Type Fall Arrester System on Flexible Anchorage Line

### HE-700-RGBRAL

The Rope Grab in this system is constructed of high strength steel and works on 12mm dia Braided Rope anchorage line, incorporated permanently on the anchorage line, and comes with an energy absorbing element.

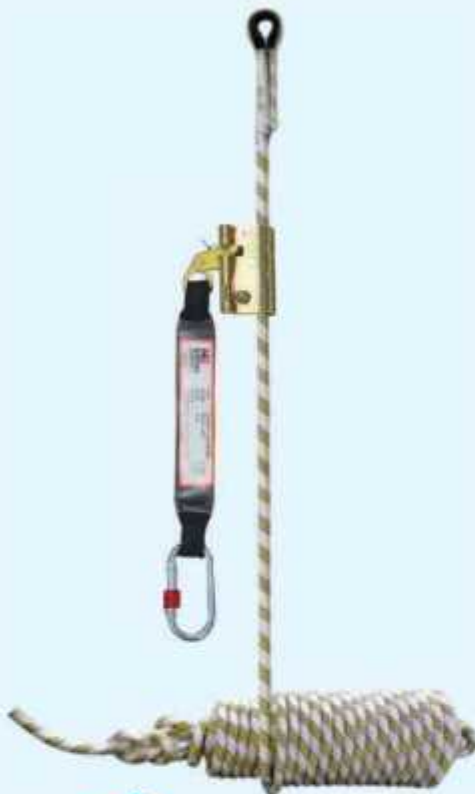
It is not detachable from the rope-this gives an advantage that the worker does not lose the device when the equipment is not in use.

This system is an ideal Fall Restraint device for use while working on platforms and roofs.

The Anchorage line has one side loop for connector and the other side a stop knot.

The Anchorage line is available in lengths of 5m to 100m

Conforms to EN 353-2:2002



Fall Arrester & Anchorage Lines

## Guided Type Fall Arrester System on Flexible Anchorage Line

### HE-700-RGTRAL

Works on 14mm to 16mm dia polyamide twisted rope anchorage line, without any manual intervention.

Consists of **openable Rope Grab** made of **Galvanized Steel**.

**HOTTEX** is provided with a stainless steel openable rope grab with unique anti-panic feature.

The anchorage line has one side loop for connector and other side a stop knot. 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.

The Anchorage line is available in lengths of 5m to 100m.

Conforms to EN 353-2:2002



Anchorage Line : Polyester Twisted Rope of dia 14mm to 16mm

Has coloured tracer yarn which loses its colour in due course of time, to show that the rope is now unfit for further use.



## TEMPORARY ANCHORAGE LINES



### Twisted Rope Anchorage Line

**HE-14-TRAL** (length in meters)

**HE-16-TRAL** (length in meters)

3-Strand-14mm / 16mm dia Twisted Polyester Rope.

One side Karabiner other side stop knot.

Available lengths 10, 20, 30, 40, 50, 100, 150 & 180 mtr.

*Longer or odd lengths are also available on request.*

### Braided Rope Anchorage Line

**HE-10.5-BRAL** (length in meters)

**HE-12-BRAL** (length in meters)

10.5mm/ 12mm dia Braided Polyamide Rope.  
One side Karabiner other side stop knot.

Available lengths 10, 20, 30, 40, 50, 100, 150 & 200 mtr.

*Longer or odd lengths are also available on request.*



Fall Arrestor &  
Anchorage  
Lines





## RETRACTABLE BLOCK

### Stainless Steel Wire Rope

HE-5001



#### Retractable Block Polymer Casing With SS Wire Rope

**Material:** Casting Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.

**Convenience:** Comes with Stainless Steel Wire Rope of Dia 4.5mm & provided with swivel snap hook

**Special Features:** Anchorage Eye with swivel action. Prevents undue twist of rope while working or in the event of a Fall.

**Minimum Breaking Strength:** > 15kN.

**Compliance:** Conforms to EN 360:2002.

#### AVAILABLE SIZE

3.5m	5.0m	6.0m	7.0m	7.5m	10.0m
HE5001	HE5002	HE5003	HE5004	HE5005	HE5006

### Safety KIT

#### HE7053TK

This Kit is designed for the personnel engaged in working on high rise tower with an extra facility of bigger Hooks & easily adjustable Lanyards to suit the requirement of the working individuals.



HE5556FBH



HE-5243-WPL



HE-700-RG



HE-14-TRAL (50mtr)



HE-112-SK



HE-5351-FTRL



HE503WPB



HE-03-KB







## WINDOW CLEANING KIT

### Safety KIT

#### HE7051WCK

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

Provides ultimate comfort level to a personnel working at height thereby fulfilling all his needs.

The specialized rescue equipment used in this Kit enables immediate rescue of a personnel when suspended at height after suffering a fall.



HE5556FBH



HE-401-GD



HE-700-RG



HE-112-SK



HE-14-TRAL (50mtr)



HE-5351-FTRL



HE-802-AWS



HE-10.5-BRAL (50mtr)



HE-02-KB



### Safety KIT

#### HE7052RK

This Kit contains equipment as per the requirement of the personnel engaged in working on height.

Equipped with all the products that are required by the personnel for rescue as well as maintenance jobs.



HE5557FBH



HE-401-GD



HE-700-RG



HE-112-SK



HE-14-TRAL (50mtr)



HE-5361-FWL



HE-5243-WPL



HE-803-AWS



HE-10.5-BRAL (50mtr)



HE-01-KB



# HOTTEX REFLECTIVE CLOTHING





## HOTTEX REFLECTIVE JACKET SIZE CHART



SIZE	CHEST	LENGHT	SHOULDER
S	36"	22"	16"
M	38"	24"	18"
L	40"	26"	20"
XL	42"	28"	22"
XXL	44"	30"	24"
Customization	According to Customer requirement	According to Customer requirement	According to Customer requirement

**Note** - All Measurements are in inches ("")

Size may be slightly vary.

Customization applicable on minimum 100 piece quantity






## REFLECTIVE JACKETS

HOTTEX high visibility reflective safety wear is intended to provide conspicuity of the wearer in any light condition when viewed by operators of vehicles or other mechanized equipment during daylight conditions and under illumination of headlights in the dark.





### PRODUCT HE-101C

Fabric	:	100% Cotton
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*




### PRODUCT HE-102C

Fabric	:	100% Cotton
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-103C

Fabric	:	100% Cotton
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



## REFLECTIVE JACKETS



### PRODUCT HE-104C

Fabric	:	100% Cotton
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-105C

Fabric	:	100% Cotton
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*





### PRODUCT HE-106C

Fabric	:	100% Cotton
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-107C

Fabric	:	100% Cotton
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*








## REFLECTIVE JACKETS






### PRODUCT HE-111N

Fabric	:	Net
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*






### PRODUCT HE-112N

Fabric	:	Net
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*






### PRODUCT HE-113N

Fabric	:	Net
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-114N




Fabric	:	Net
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



## REFLECTIVE JACKETS






### PRODUCT HE-121P

Fabric	:	Polyester
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*






### PRODUCT HE-122P

Fabric	:	Polyester
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*






### PRODUCT HE-123P

Fabric	:	Polyester
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-124P

Fabric	:	Polyester
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*








## REFLECTIVE JACKETS






### PRODUCT HE-115N

Fabric	:	Net
GSM	:	80/120/160/220
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*






### PRODUCT HE-131W

Fabric	:	Woolen
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-132W

Fabric	:	Woolen
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-133W




Fabric	:	100% Cotton
GSM	:	80/120/160/220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Attachment	:	Chain/Velcro
Binding	:	Same Color/Optional*
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*

## BOILER SUITS

A boilersuit, or coverall is a industrial garment with full-length sleeves and legs like a jumpsuit, but usually less tight-fitting. Its main feature is that it has no gap between jacket and trousers or between lapels, and no loose jacket tails. It often has a long thin pocket down the outside of the right thigh to hold long tools.



### PRODUCT HE-151D

Fabric	:	100% Cotton
GSM	:	220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Design	:	Double Piece
Material	:	Retro Reflective
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-152D

Fabric	:	100% Cotton
GSM	:	220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Design	:	Single Piece
Material	:	Retro Reflective
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



### PRODUCT HE-153D

Fabric	:	100% Cotton
GSM	:	220/260
Reflective Tape Grade	:	1/2/3/PVC1/PVC2
Reflective Tape Width	:	1/2/3 Inch
Design	:	Single Piece
Material	:	Retro Reflective
Pockets	:	1/2/Optional*
Color	:	   Optional*
Size	:	S, M, L, XL, XXL, Optional*



## CUSTOMIZATION OPTIONS



SAME COLOR BINDING /PIPING

TRANSPARENT POCKET

REFLECTIVE TAPE

TOOL HOLDERS

PEN POCKET

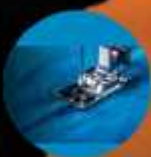
MOBILE POCKET

DOUBLE STITCHING

D-RING

ZIPPERS

NORMAL POCKET



## TAPE CUSTOMIZATION OPTIONS



3M TAPE



GRADE-1 TAPE



GRADE-2 TAPE



GRADE-3 TAPE



REFLECTIVE TRIMS



PVC TAPE



## SAFETY SHOES

safety shoes (also known as safety boots) is personal protective equipment (PPE) for foot protection at workplaces. It prevents from getting foot injuries due to slippery surface, heavy falling or rolling objects, sharp piercing edges, pinch points, rotary machinery, hot objects, loops of ropes under tension, splinters, electricity, chemicals or even bad weather etc. The toe cap is inserted to give protection for the toes against falling objects.



### STORAGE

- Store in dark & dry place
- Store in ventilated area
- Keep away from sources of heat

### PACKING

10 Pairs per carton

### CLEANING

.Clean your shoes regularly  
.Carefully brush of stains & dirt with a shoe brush for leather For water/oil stains, pour baking soda & leave overnight to absorb stains  
.Then, use soft cloth to wipe off the baking soda

### PU LEATHER SHOES

(DOUBLE DENSITY) PRODUCT CODE - HE-856G

Certification : IS 15298 (PART-2)

### DESCRIPTION

Safety, protective and occupational shoes for industrial purposes are tested according to different standards. we manufacture footwear according to ISI standards

### DESIGN

Low ankle shoes.

### MANUFACTURING

Direct injection molded

### SPECIFICATION

UPPER	Genuine Buffalo Suede Leather
LINING	Breathable Lining 250gsm
TOE	Steel Toe Cap 200 Joule
SOCKS	2mm Laminated with EVA
OUTSOLE	Direct Injected Pu Sole Double Density
SOLE MAKING	D.I.P. (Electrical Upto 15kv For One Minute)
COLOR	Grey
WEIGHT	950 gms, Size 8 with 5% tolerance

### SIZE

6-12, EUR

### SPECIAL FEATURES



TOE  
CAP



ANTI  
SKID



ANTI  
BACTERIAL



ANTI  
SMELL



WATER  
RESISTANT





## SAFETY SHOES



### STORAGE

- Store in dark & dry place
- Store in ventilated area
- Keep away from sources of heat

### PACKING

10 Pairs per carton

### CLEANING

Clean your shoes regularly  
Carefully brush off stains & dirt with a shoe brush for leather. For water/oil stains, pour baking soda & leave overnight to absorb stains.  
Then, use soft cloth to wipe off the baking soda.

### PU LEATHER SHOES

(DOUBLE DENSITY) PRODUCT CODE - HE-201-BRN

Certification : IS 15298 (PART-2)

### DESCRIPTION

Safety, protective and occupational shoes for industrial purposes are tested according to different standards, we manufacture footwear according to ISI standards.

### DESIGN

Low ankle shoes.

### MANUFACTURING

Direct injection molded

### SPECIFICATION

UPPER	Genuine Buffalo Barton Print Leather
LINING	Breathable Lining 250gsm
TOE	Steel Toe Cap 200Joule
SOCKS	2mm Laminated with EVA
OUTSOLE	Direct Injected Pu Sole Double Density
SOLE MAKING	D.I.P. (Electrical Upto 15kv For One Minute)
COLOR	Brown
WEIGHT	980 gms, Size 8 with 5% tolerance

### SIZE

6-12, EUR

### SPECIAL FEATURES



TOE  
CAP



ANTI  
SKID



ANTI  
BACTERIAL



ANTI  
SMELL



WATER  
RESISTANT



## SAFETY SHOES



### PU LEATHER SHOES

(SINGLE DENSITY) PRODUCT CODE - HE-806

Certification : IS 15298 (PART-2)



#### STORAGE

- Store in dark & dry place
- Store in ventilated area
- Keep away from sources of heat

#### PACKING

10 Pairs per carton

#### CLEANING

.Clean your shoes regularly  
.Carefully brush of stains & dirt with a shoe brush for leather For water/oil stains, pour baking soda & leave overnight to absorb stains  
.Then, use soft cloth to wipe off the baking soda

#### DESCRIPTION

Safety, protective and occupational shoes for industrial purposes are tested according to different standards. we manufacture footwear according to ISI standards

#### DESIGN

High ankle shoes,

#### MANUFACTURING

Direct injection molded

#### SPECIFICATION

UPPER	Genuine Buffalo Barton Print Leather
LINING	Breathable Lining 250gsm
TOE	Steel Toe Cap 200Joule
SOCKS	2mm Laminated with EVA
OUTSOLE	Direct Injected Pu Sole Single Density
SOLE MAKING	D.I.P. (Electrical Upto 15kv For One Minute)
COLOR	Black
WEIGHT	900 gms, Size 8 with 5% tolerance

#### SIZE

6-12, EUR

#### SPECIAL FEATURES



TOE  
CAP



ANTI  
SKID



ANTI  
BACTERIAL



ANTI  
SMELL



WATER  
RESISTANT





## SAFETY SHOES



### STORAGE

- Store in dark & dry place
- Store in ventilated area
- Keep away from sources of heat

### PACKING

10 Pairs per carton

### CLEANING

Clean your shoes regularly  
Carefully brush of stains & dirt with a shoe brush for leather For water/oil stains, pour baking soda & leave overnight to absorb stains  
Then, use soft cloth to wipe off the baking soda



### PU LEATHER SHOES

(SINGLE DENSITY) PRODUCT CODE - HE-8011B

Certification : IS 15298 (PART-2)

### DESCRIPTION

Safety, protective and occupational shoes for industrial purposes are tested according to different standards, we manufacture footwear according to ISI standards

### DESIGN

Low ankle shoes.

### MANUFACTURING

Direct injection molded

### SPECIFICATION

UPPER	Genuine Buffalo Suede Leather
LINING	Breathable Lining 250gsm
TOE	Steel Toe Cap 200 Joule
SOCKS	2mm Laminated with EVA
OUTSOLE	Direct Injected Pu Sole Double Density
SOLE MAKING	D.I.P. (Electrical Upto 15kv For One Minute)
COLOR	Brown
WEIGHT	850 gms, Size 8 with 5% tolerance

### SIZE

6-12, EUR

### SPECIAL FEATURES



TOE  
CAP



ANTI  
SKID



ANTI  
BACTERIAL



ANTI  
SMELL



WATER  
RESISTANT



## SAFETY HELMETS

Safety helmets or Hard Hats are designed to protect the head against falling objects and the side of the head, eyes, and neck from any untoward impacts, bumps, scrapes, and electrical exposure, etc. A helmet is a form of protective gear worn to protect the head. More specifically, a helmet complements the skull in protecting the human brain.

### SAFETY HELMET

**PRODUCT CODE HE-301H**

#### DESCRIPTION

HOTTEX safety helmet made from special grade high density PE Light weight yet strong to ensure extended working hours Available in smart vented & unvented designs. Available in Nylon Chin Strap

**Color :** White, Yellow, Blue, Orange

#### KEY FEATURES

High Quality Rigid Shell.  
Six Point Suspension.  
Universal Slots.

#### APPLICATIONS

Manufacturing.  
Construction.  
Automotive.  
Oil & Gas.  
Railways .  
Logistics.

#### Available Options

Ratchet



### SAFETY HELMET

**PRODUCT CODE HE-302H**

#### DESCRIPTION

HOTTEX premium safety helmet made from special grade high density PE Light weight yet strong to ensure extended working hours Available in smart vented & unvented designs. Available in Nylon Chin Strap

**Color :** White, Yellow, Blue, Orange

#### KEY FEATURES

Ultra High Quality Rigid Shell.  
Six Point Suspension.  
Universal Slots with Extra Comfort.

#### APPLICATIONS

Manufacturing.  
Construction.  
Automotive.  
Oil & Gas.  
Railways .  
Logistics.

#### Available Options

Nape Strap





## GOGGLES & FACE SHIELD

Goggles, or safety glasses, are forms of protective eyewear that usually enclose or protect the area surrounding the eye in order to prevent particulates, metal particles or chemicals from striking the eyes. They are used in industries chemistry plants and in fabrication work.



### SAFETY GOGGLE

**PRODUCT CODE HE-201G**

#### DESCRIPTION

This product is a protective eye shield to protect eyes from chemical, splash, saliva, dust, flying particles, droplets, splashes, etc. to give your eyes better protection. Covered from all sides to prevent chemicals and infections to affect you. The soft and thickening nose piece design makes it very comfortable to wear even after long shifts.

**Color :** Clear | **Frame Size :** Universal



### WELDING GOGGLE

**PRODUCT CODE HE-202G**

#### DESCRIPTION

This product is a protective eye shield to protect eyes from welding splash, light, dust, flying particles etc. to give your eyes better protection. Covered from all sides to prevent welding splash and smoke infections to affect you. The soft and thickening nose piece design makes it very comfortable to wear even after long shifts.

**Color :** Black | **Frame Size :** Universal

### WELDING FACE SHIELD

**PRODUCT CODE HE-203S**

#### DESCRIPTION

A welding shield is a type of headgear used when performing certain types of Welding to protect eyes; face and neck from flash burn; ultraviolet light; sparks; infrared light; and heat. Welding shield are most commonly used with arc welding processes such as shielded metal arc welding; gas tungsten arc welding; and gas metal arc welding. They are necessary to prevent arc eye; painful condition where the cornea is inflamed. Shield can also prevent retina burns; which can lead to a loss of vision. Both conditions are caused by unprotected exposure to the highly concentrated ultraviolet and infrared rays emitted by the welding arc.

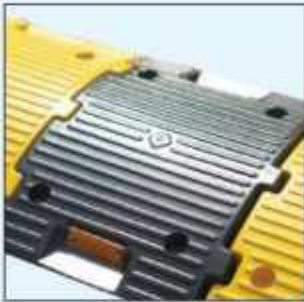
**Color :** Black | **Frame Size :** Universal





## ROAD SAFETY

Road safety is important for all road users. Every year more than one million people are injured in road accidents in world. In recent years, the number of vehicles on roads has increased, as has the number of goods transported by road. This makes road safety even more important. Road safety products help to reduce the no. of accidents.



### PLASTIC SPEED BREAKER

PRODUCT CODE HE-ROAD-01

Supply Of Plastic Speed Breaker, (Without Filling)

Size - W350 x L 250 x H 50 mm,

Color - Yellow & Black



### CONVEX MIRROR

PRODUCT CODE HE-ROAD-02

Supply of Convex Mirror

Size : 24" Unbreakable

Color : Orange Body



### CONVEX MIRROR

PRODUCT CODE HE-ROAD-03

Supply of Convex Mirror

Size : 32" Unbreakable

Color : Orange Body



### CAR STOPPER

PRODUCT CODE HE-ROAD-04

Supply of Rubber Car Stopper

Size : 600 Lx 120 Wx 100 H

Color : Yellow Reflective Strip



## ROAD SAFETY



### PLASTIC CONE

PRODUCT CODE HE-ROAD-05

Supply of Plastic Cone

Height : 750mm

Base : 380x380mm

Sleeve width : 4/6inch, with high intercity retro reflective sheet



### PLASTIC CONE

PRODUCT CODE HE-ROAD-06

Supply of Plastic Cone

Size : H750 mm

Color : Red

Weight : 3.5kg, Heavy Base

Sleeve Width : 4+2 Inch



### PLASTIC BARRICADES

PRODUCT CODE HE-ROAD-07

Supply of Barricades

Size : L 2000 x W 500 x H 1200 mm



### PLASTIC BARRICADES

PRODUCT CODE HE-ROAD-08

Supply of Barricades

Size : L 1000 x H750 x W350

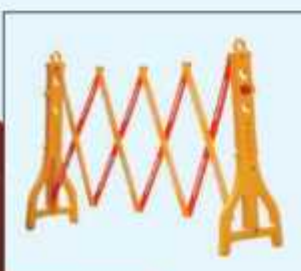


### PLASTIC WATER FILLED BARRICADES

PRODUCT CODE HE-ROAD-09

Supply of Water filled barrier Barricade

Size : L 2000 x W1000 x H550 (mm)



### PLASTIC EXPANDABLE BARRICADES

PRODUCT CODE HE-ROAD-10

Supply of Expandable Barrier 2Mtr. Opening

Colour : Black & Red



## MATERIAL LIFTING BAG, SAFETY NET & SCAFFOLDING TAG



### HE-SNET-01

- 4" x 4" mesh two Layer Safety Net made from 12mm Polypropylene
- Border Rope and 4 mm Polypropylene Inside Rope with four corner ropes and tie ropes with blue net.
- Size: 10M X 5M = 50 sqmtr.

### HE-SNET-02

- 4" x 4" mesh two Layer Safety Net made from 12mm Polypropylene
- Border Rope and 6 mm Polypropylene Inside Rope with four corner ropes and tie ropes with blue net.
- Size: 10M X 5M = 50 sqmtr.



### HE-MLB-01

- Application - Scaffolding clamp holding & lifting.  
Tools lifting during work at height etc.
- Capacity - Upto 50Kg.



### HE-SCAF-01

A scaffolding tag is signage that is placed onto erect scaffolding and used to indicate whether it is compliant with Occupational Safety and Health Administration (OSHA) regulations. OSHA is a public health agency that sets and enforces workplace safety.

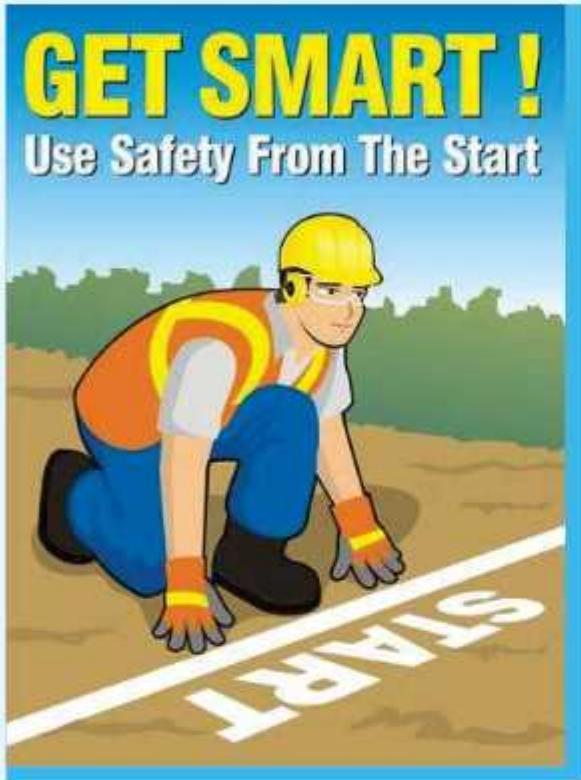
Options : Green Tag, Red Tag, Yellow Tag





## SAFETY POSTERS

Safety posters are most effective when they catch people's attention and communicate your message in engaging and entertaining ways. Safety Poster is your partner in creative safety signage that conveys the importance of safe practices throughout the workplace & HOTTEX provided one stop solutions as per clients requirements & workplace requirements with effective content writing.



NOTE : CUSTOMIZATION OPTIONS ARE AVAILABLE



Workplace safety training is as vital as workplace safety itself. It enables the management to ensure a safe and healthy work environment. It also helps the employees to recognize safety hazards and correct them. It enables them to understand best safety practices and expectations.

Safety training is vital for employees or workers with regard to understanding of safety practices related to their jobs; otherwise, a worker will find himself/herself at a higher risk for workplace injury, illness or death.

### **Scaffolding Safety**

Basic Scaffolding Inspection

Scaffolder

Scaffolding Inspector

Scaffolding Safety

### **Workplace Safety**

Construction Safety

Electrical Safety

Fire Safety

Chemical Safety

Hand Tool Safety

Working at Height

Confined Space Entry

### **Emergency**

Fire Fighting

Mock Drill

Emergency Response Team

Hazardous Spill Response

Lifting & Rigging

Crane Operator

Lifting & Rigging

### **Rescue, Life Saving & Practical Training**

First Aid

Confined Space Rescue

Confined Space Attendant

Working at Height Rescue Training

Fire Watcher

General PPE's Training

### **HSMS**

Health and Safety Leadership

General Induction

Risk Assessment HIRA

Permit to Work

Behaviour based Safety

Energy Isolation (LOTO)

Incident Investigation

Accident Investigation



## OUR CLIENTS



## For Enquiry

info@hottexengineers.com | enquiry@hottexengineers.com  
0141-239 1967 | +91- 94133 15971 | +91- 81073 17902

Note: If you want to purchase any product kindly visit our official website  
[www.hottexengineers.com](http://www.hottexengineers.com)

**H**

*House of safety products*

**O**

*Object oriented with unbeatable safety goals*

**T**

*Technical suitability in PPE's*

**T**

*Time bound with strong commitment*

**E**

*Effective R&D and ergonomics*

**X**

*X-Factor present in PPE's*

**“सुरक्षा का वादा  
आपकी उम्मीद से ज्यादा”**

**HOTTEX**





## BUILD A SAFE WORLD WITH HOTTEX

### Terms & Conditions

**Technical Data:** All drawings, weights, dimensions, descriptions & illustrations contained in the company's catalog are only approximate and intended merely to give a general description of the goods described therein.

**Specifications:** Whilst every effort has been made to ensure the accuracy of the information given in this catalog at the time of going to print, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.

**Delay in delivery:** Delay in completion of work, delivery, or in case of a contract for delivery by installments, delay in delivery of an installment shall not give rise to any liability upon the company whether or not any time of date is given in this respect and shall not entitle the customer to terminate the contract.

**Disclaimer:**

- Working at height remains one of the biggest cause of fatalities and major injuries.
- Fall from height, like ladders, towers etc. due to loss of balance.
- Fall while working at height through fragile rooftops etc.
- HOTTEX Fall protection equipments save the wearer from the risk of all such falls.

**However, awareness to hazards at height is the responsibility of worker.**

- Proper training of the user - Adequate training regarding hazards, equipment use etc. must be provided to the user.
- Proper care of the equipment- The equipment should be used and maintained as per the instructions manual of the products.
- Medical condition - of the user - The User / Authority must ensure that the user is medically fit for work at height.
- The equipment should always be used under the supervision of Trained & Competent person.

**A detailed rescue plan should also be in place and should be followed strictly in case of emergency.**

- Wherever required and necessary, HOTTEX reserves the right to change the product specification.
- HOTTEX cannot be held responsible in case of any inaccuracies or omissions while use of product.
- To seek advice in case of any doubt, kindly contact with authorized HOTTEX personnel.

**Note:** No any person or company used HOTTEX data, Logo, certifications, product images without prior intimation.

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**HOTTEX**  
ENGINEERS PVT. LTD  
*Engineering your dreams with us*

**Corporate Office :** 550, 5th Floor, Sunny Mart, New Atish Market  
Mansarovar, Jaipur-302020, Rajasthan (INDIA)

**Factory :** Plot No. 1, Near Radhika Marriage Garden,  
Mukundpura Road, Bhankrota, Jaipur-302026, Rajasthan (INDIA)

**Contact :** +91-141-2392555, 2391967, +91-9413315971

**E-mail :** [info@hotttexengineers.com](mailto:info@hotttexengineers.com) | [www.hotttexengineers.com](http://www.hotttexengineers.com)

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