欣达 围杆区域限制安全带 使用说明书
型号 XD-D9366/XD-A9541/XD-A9579

ver.202608/A

警告

○使用本设备的相关活动本身存在固有风险，可能导致重伤甚至死亡。您必须为自身的行为和决策负责。

○使用前请阅读并理解本使用说明。

○使用本产品前，您必须接受足够的培训，掌握相关基础操作与技术知识。

○本产品不可超极限使用，也不可用于设计用途以外的其他场景。

○若您对本手册存在疑问或理解困难，请联系欣达。

地址：中国浙江省金华市东阳市白云街道望江社区新潮路19号

浙江冰峰户外用品有限公司

电话：+86 400-8856993

通过ISO9001质量管理体系认证

贴条码处

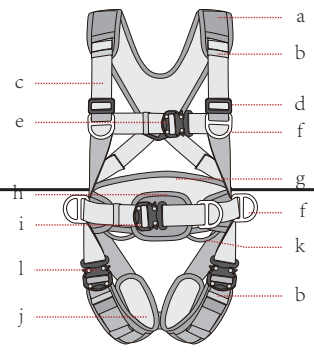
安全注意事项

这份说明书将向您解释如何正确使用您的装备。这里只描述确定无误的技术和使用方法。警告标记将告知您使用该装备时的潜在危险，但并不详尽无遗。您有责任阅读每一条警示且正确使用您的装备。任何错误的使用都将造成额外危险。如果您有任何疑问或对于理解这些文件有困难的话,请联系欣达。

	表示有产生严重伤害或死亡的风险
	表示有潜在意外或伤害风险
OK!	表示正确的使用方法
	表示错误的使用方法

款式及部件名称

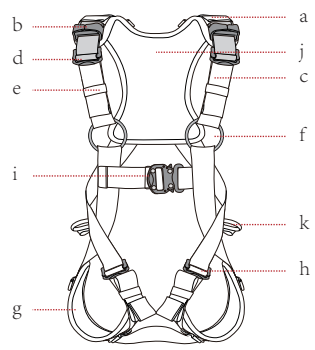
a.XD-A9579全身安全带



a.肩背部减震垫；
b.固定卡扣；
c.织带；
d.肩部调节扣；
e.胸部快插扣；
f.承重D环；
g.腰部减震垫；
h.腹部减震垫；
i.腹部快插扣；
j.腿环；
k.装备挂环；
l.腿部快插扣

主要材质：涤纶、铝合金、塑料

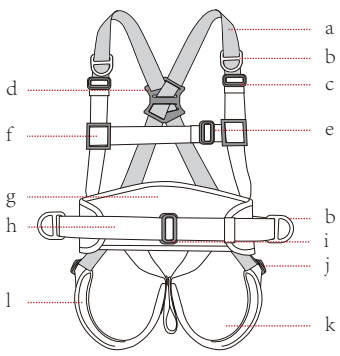
b.XD-A9598 限位全身安全带



a.肩部固定环；
b.肩部大钩挂点；
c.织带；
d.肩部调节扣；
e.束缚带；
f.胸前挂点；
g.腿部减震垫；
h.腿部调节扣；
i.腹部快插扣；
j.肩背部减震垫；
k.装备挂环；

主要材质：涤纶，迪尼玛，铝等

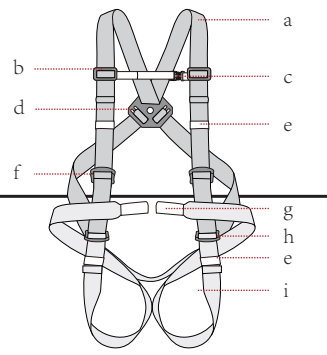
c. XD-A9541 全身安全带



a.织带；
b.承重D环；
c.肩部调节扣；
d.背部织带固定板；
e.胸部调节扣；
f.胸部织带固定板；
g.腰部减震垫；
h.腰带；
i.腹部调节扣；
j.腿部调节扣；
k.腿环；
l.腿部减震垫

主要材质：涤纶、铝合金、塑料

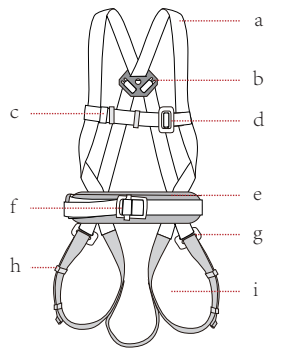
d.儿童全身安全带



a.织带；
b.胸部织带固定板；
c.胸部插扣；
d.背部织带固定板；
e.束缚带；
f.腹部调节扣；
g.腹部承重挂点；
h.腿部调节扣；
i.腿环

主要材质：涤纶、铝合金、塑料

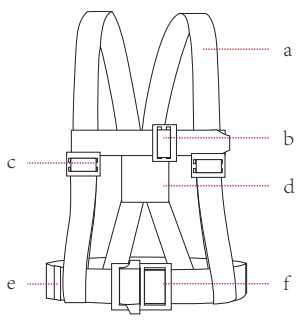
e.XD-A9524 坠落悬挂全身安全带



a.织带；
b.背部织带固定板；
c.束缚带；
d.胸部调节扣；
e.腰部减震垫；
f.腹部调节扣；
g.腿部调节扣；
h.织带固定卡扣；
i.腿环

主要材质：涤纶、铝合金、塑料

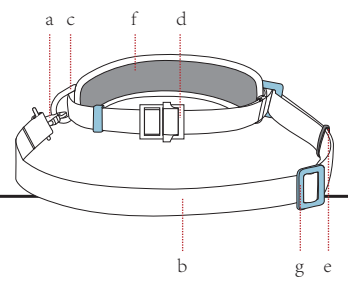
f. XD-A9523工业半身安全带



a.织带；
b.胸部调节卡扣；
c.肩部调节卡扣；
d.背部织带固定板；
e.织带固定扣；
f.腹部调节卡扣；

主要材质：涤纶、铝合金、塑料

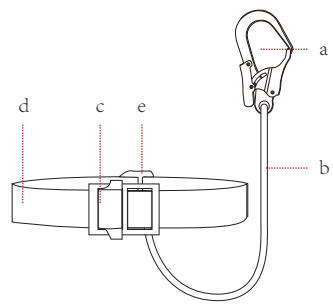
g.围杆单腰安全带



a.二段式挂钩；
b.织带；
c.承重D环；
d.腹部调节扣；
e.织带固定扣；
f.腰部减震垫；
g.织带调节扣

主要材质：涤纶、铝合金、塑料

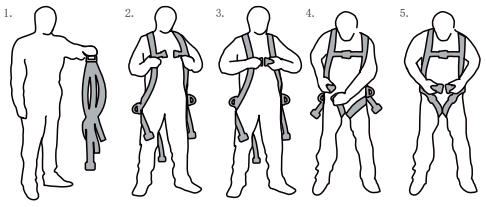
h.区域限制单腰安全带

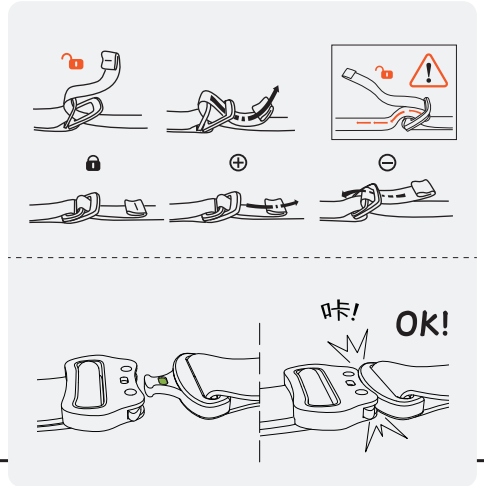


a.大钩；
b.安全绳索；
c.调节扣；
d.织带；
e.承重D环；

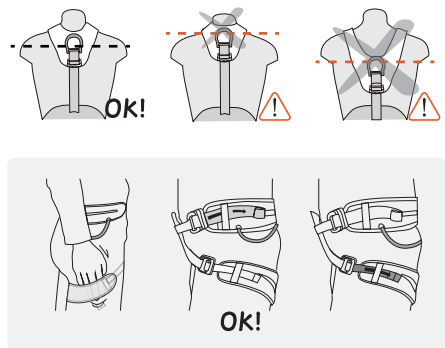
主要材质：涤纶、铝合金、塑料

穿戴步骤

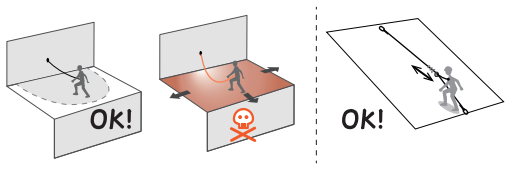




注意



使用场景



使用说明

适用范围

安全带属于个人防护装备(PPE)；

适用于悬挂作业等高空作业的防护用品。

使用该产品时，不可超出其负荷限制，也不可用于设计之外的用途。

适用温度:-20 C ~50 C 。

安全检查规范

每次使用前检查

-检查主连接点、承重环、调节扣、缝线织带完好；

-查看织带磨损，若内层灰色基材外露直接报废。留意割伤、鼓包、破损、线头松散，确认卡扣开合顺畅。

⚠注意：金属涂层磨损会加速氧化锈蚀。

- 使用者需在安全区域悬挂试穿，确认尺码、调节余量、舒适度达标;

- 全使用周期内标识文字必须清晰。

使用中检查

- 确认所有卡扣完全锁紧；定期检查安全带及整套配套装备状态，确认所有设备安装位置合理、无干涉。

使用方法

1.安全带用于体重及负重之和不大于100kg的使用者，未经专业培训者使用需在技术人员的指导下正确使用。

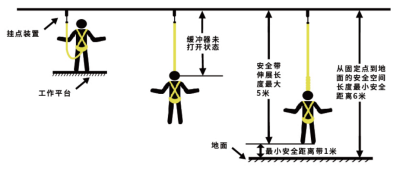
2.安全带使用时应将安全绳与背部挂点连接，并将挂绳放在使用者前身右侧，便于万一坠落时可用手抓住安全绳保持平衡。

3.挂绳、挂钩必须挂于受力点大于15kN的固定物。

4.坠落距离同安全挂点与佩戴者的相对位置密切相关。挂点与佩戴者的相对位置根据使用环境不同，可能是高挂、低挂或者同人体平齐。发生坠落时，高挂对人体威胁最小，低挂对人体的威胁最大。使用时必须高挂抵用。

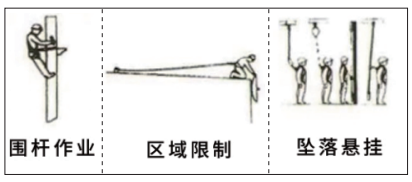
5.安全空间体现工作场所的安全要素。一般为佩戴者下方的立体空间，在这个空间不存在任何物体会对坠落者造成碰撞伤害。最基本的安全空间是垂直方向的高度差，最理想的安全空间是以悬挂类为中心伸展长度为半径的半球空间。

6.伸展长度参照下面图示计算伸展长度，最大为5m，安全空间高度6m，示意图如下:

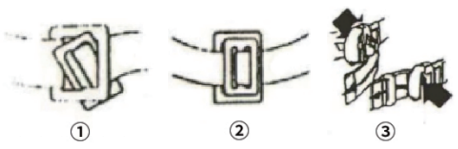


注意事项

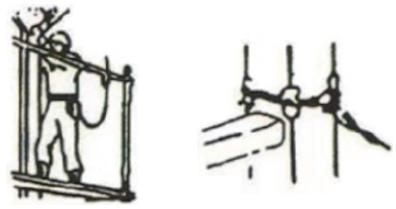
1.作业示意图



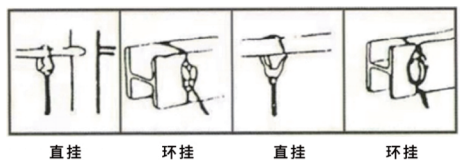
2.活动卡扣和腰带卡扣的使用方法



3.挂钩悬挂处必须高于腰部，有锐角处应先加以处理



4.大挂钩与小挂钩的使用方法



5.安全带使用一段时间或存放一年后，按购入批次的情况，取外观较差的抽检一次。将作业安全带做静负荷实验，以225kgf拉力拉5min，坠落悬挂安全带冲击实验，80kg重量做自由坠落实验，若不破断，该批安全带可继续使用。对抽试过的样带，不可继续使用。

适配性要求

必须保证本安全带与整套系统所有配件适配，配件配合功能正常。

○ 使用者身体条件适配登山作业;高空无意识悬空会造成重伤甚至死亡，作业前备好救援方案。

○ 整套防护系统强度由最弱部件决定。

○ 避免绳索、编织带与锐边、粗糙表面摩擦。

○ 使用前完成风险评估并落实防护措施。

○ 禁止独自攀岩，需制定可落地救援方案。

保养须知

攀岩装备禁止接触蓄电池酸液、电池烟气、溶剂、含氯漂白剂、防冻液、异丙醇、汽油等腐蚀性物质。接触海水/盐雾环境后:织带产品清水冲洗自然晾干;金属配件冲洗晾干后涂抹润滑油脂。

附加安全须知

○ 使用者身体条件必须符合高空作业要求；高空悬空失去意识会造成重伤、死亡，作业前必须制定完整救援方案。

○ 攀登作业需考虑滑轮效应：坠落冲击会使上方锚点载荷放大 1.7 倍。

○ 工业场景单锚点最小破断载荷≥12kN，符合 EN 795 标准；锚点位置需高于人体连接点位。计算坠落安全距离时需计入主锁长度，防止坠落撞击地面或障碍物。

○ 整套防护系统的承载极限由强度最弱的配件决定。

○ 避免绳索、编织扁带与锐边、粗糙表面摩擦。

○ 使用前完成风险评估并落实防护措施。

○ 禁止单人独立高空作业，提前制定可落地的救援方案与配套工具。

使用寿命、检验与报废标

攀岩装备存在使用期限。每次使用前后均需检查，出现破损或达到最大使用年限必须报废：自生产日起最长使用10年，即使从未使用、妥善存放也需到期报废。

缩短设备寿命的因素

重度/轻微冲击、长期的高温暴晒、溶剂、燃油、电池腐蚀、极端环境、磕碰损伤；单次使用即可能达到报废标准。使用中怀疑受损需立刻检查；发生严重坠落冲击、对设备状态存疑直接报废。报废装备必须破坏处理，杜绝再次使用。如需消毒，建议直接报废，禁止强腐蚀消毒剂接触织带。设备生产日期查看产品标识，寿命计算以生产年月为准，非销售日期。

安全带检验项目

检查无腐蚀、熔融、裂纹、磨损、变形、污渍；标识清晰。检测不合格(变形、卡扣失灵等)需维修、报废或送厂复检。

强制报废条件

- 产品使用历史无法追溯；
- 对设备强度、安全性能存在任何疑虑；
- 未通过个人防护装备专项检测；
- 锁闭、承重功能出现故障；
- 不符合现行法规、标准；
- 承受重大坠落冲击或超负荷载荷。

报废处理方式

粘贴永久性不可擦除报废标签，或钻孔、切割破坏设备杜绝二次使用；也可寄回厂家统一处置。

责任

○ 使用者对自身操作全权负责，无法承担安全责任请勿使用。

○ 仅限持证人员或专业人员全程监护下使用。

○ 使用前完成理论实操培训，掌握高空作业基础、规范操作及配套防护知识。

○ 外销至其他国家/地区，说明书需配套当地语言。

○ 非产品质量引发的直接、间接损失，欣达不承担任何责任。

储存与运输

金属配件残留污渍液体冲洗晾干，存放阴凉干燥处;设备不得接触磨料、重物、化学品、锐边、热源。金属+织带配件专用容器存放，运输遵循储存标准。建议专人管理存放使用。

⚠注意：存放不当加速老化、缩短寿命。

维护保养

规范保养存放延长寿命、保障安全。

清洁：20°C清水搭配软毛刷内外冲洗，禁止高压水枪、工业清洁剂；清水冲净自然阴干，严禁烘干。禁止腐蚀性清洁剂清洗消毒。

⚠警示：严禁私自改造、违规保养，维修仅可以返回欣达原厂。

有限质保

欣达提供 3 年的质保，质保仅覆盖原材料、生产制造缺陷。质保免责范围：正常的使用磨损、外力变形、氧化锈蚀、私自改装、误用、存放不当、保养缺失、超出设计用途使用等。

INSTRUCTION FOR USE SAFETY BELT RESTRICTION IN THE BARRIER AREA

TYPE XD-D9366/XD-A9541/XD-A9579

ver.202608/A

WARNING

○Activities involving the use of this equipment are inherently dangerous and can lead to severe injury or even death. You must be responsible for your actions and decisions.

○Read and understand the instructions before use. Before using this product, it is essential to have got adequate training, understood and mastered the basics and techniques.

○This product must not be used beyond its limits, nor be used for any purpose other than for which it is designed.

If you have any doubts or difficulties in understanding this manual, please contact XINDA.

Zhejiang Bingfeng Outdoor Product Co., LTD
Phone number: +86 400-8856993
No.19 Xinchao Road, Wangjiang Community, Baiyun Street, Dongyang City, Jinhua City, Zhejiang Province, China.

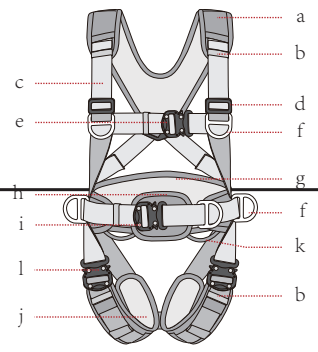
Safety precautions

This manual explains how to use the equipment and only appropriate techniques anduses are described. Warning signs tell the potential risksbut they don' t covereverything. Please read every each warning carefully and use your equipment properly.Any misuse might lead to danger.If you are in doubt, please contact XINDA.

	Risk of severe injury or death
	Risk of accident or harm
OK!	Appropriate way of
	Incorrect way of use

Model and Part Names

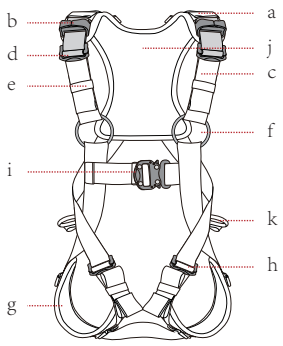
a.XD-A9579 FULL-BODY SAFETY HARNESS



a. Shoulder and back shock-absorbing pads;
b. Fastening buckles;
c. Webbing;
d. Shoulder adjustment buckles;
e. Chest quick-release buckles;
f. Load-bearing D-rings;
g. Waist shock-absorbing pads;
h. Abdominal shock-absorbing pads;
i. Abdominal quick-release buckles;
j. Leg loops;
k. Gear loops;
l. Leg quick-release buckles

Main Materials: Polyester, Aluminum Alloy, Plastic

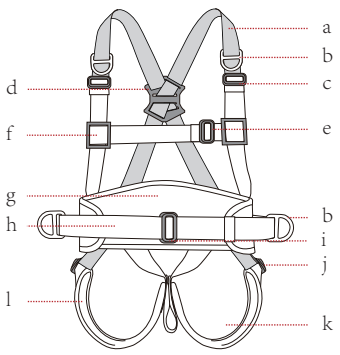
b.XD-A9598 Full-Body Restraint Harness



a. Shoulder attachment loop;
b. Large shoulder hook attachment point;
c. Webbing;
d. Shoulder adjustment buckle;
e. Restraint strap;
f. Chest attachment point;
g. Leg shock-absorbing pad;
h. Leg adjustment buckle;
i. Quick-release abdominal buckle;
j. Shoulder and back shock-absorbing pad;
k. Gear attachment loop;

Main Materials: Polyester, Dyneema, aluminum, etc.

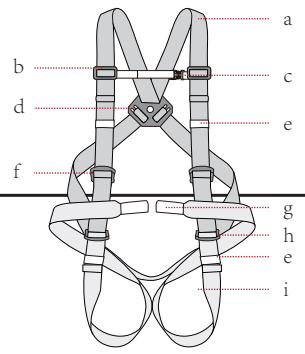
c.XD-A9541 Full-body safety harness



a. Webbing;
b. Load-bearing D-ring;
c. Shoulder adjustment buckle;
d. Back webbing support plate;
e. Chest adjustment buckle;
f. Chest webbing support plate;
g. Waist shock-absorbing pad;
h. Waist belt;
i. Abdominal adjustment buckle;
j. Leg adjustment buckle;
k. Leg loops;
l. Leg shock-absorbing pads

Main Materials: Polyester, Aluminum Alloy, Plastic

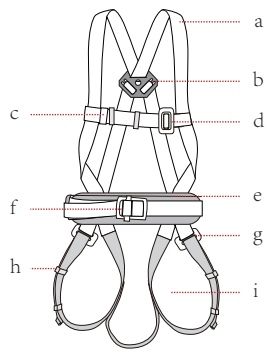
d.AL-A6507 Child Full-Body Safety Harness



a. Webbing;
b. Chest webbing attachment plate;
c. Chest buckle;
d. Back webbing attachment plate;
e. Restraint straps;
f. Abdominal adjustment buckle;
g. Abdominal load-bearing attachment point;
h. Leg adjustment buckles;
i. Leg loops

Main Materials: Polyester, Aluminum Alloy, Plastic

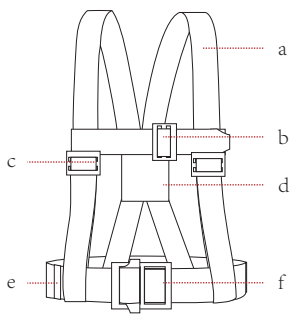
e.XD-A9524 Full-Body Harness for Fall Protection



a. Webbing;
b. Back webbing support plate;
c. Restraint straps;
d. Chest adjustment buckle;
e. Waist shock-absorbing pad;
f. Abdominal adjustment buckle;
g. Leg adjustment buckles;
h. Webbing retention clips;
i. Leg loops

Main Materials: Polyester, Aluminum Alloy, Plastic

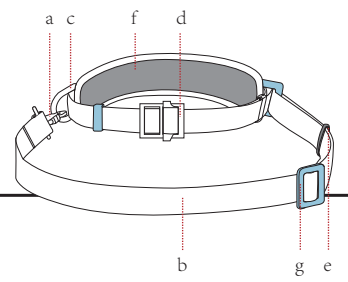
f. XD-A9523 Industrial half-body harness



a. Webbing;
b. Chest adjustment buckle;
c. Shoulder adjustment buckle;
d. Back webbing support plate;
e. Webbing retention buckle;
f. Waist adjustment buckle;

Main Materials: Polyester, Aluminum Alloy, Plastic

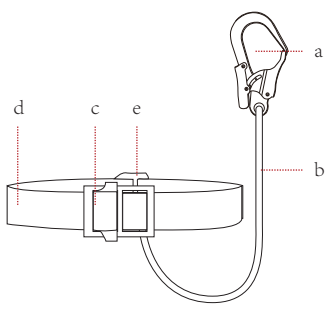
g. Single-strap safety harness for guardrails



a. Two-stage hook; b. Webbing; c. Load-bearing D-ring;
d. Abdominal adjustment buckle; e. Webbing retention buckle;
f. Waist shock-absorbing pad; g. Webbing adjustment buckle

Main Materials: Polyester, Aluminum Alloy, Plastic

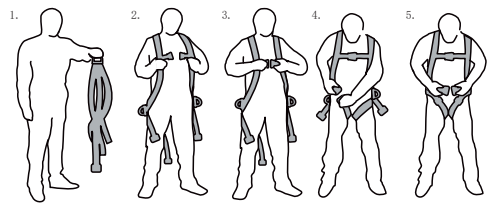
h. Region-restricted single-lap seat belts

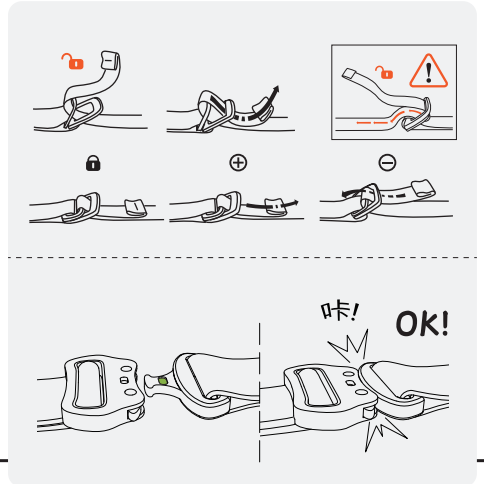


a. Large carabiner;
b. Safety rope;
c. Adjustable buckle;
d. Webbing;
e. Load-bearing D-ring;

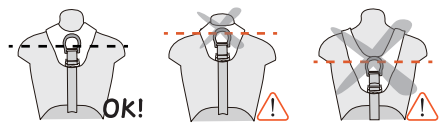
Main Materials: Polyester, Aluminum Alloy, Plastic

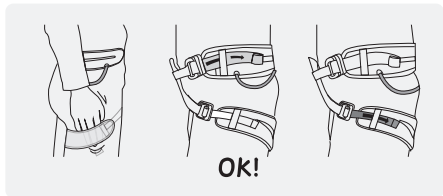
Instructions for Putting It On



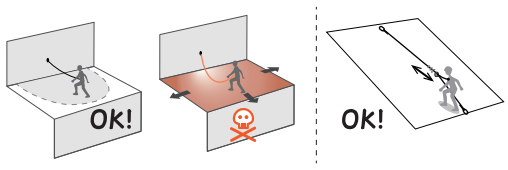


Note





Use Cases



Instructions for Use

APPLICATION:

Safety harnesses are classified as personal protective equipment (PPE);

They are protective devices intended for use in work at heights, such as suspended work.

When using this product, do not exceed its load limit, and do not use it for purposes other than those for which it was designed.

Acceptable temperature: -20℃~50℃.

SAFETY CHECK

Before each use:

- Check that the main connection points, load-bearing rings, adjustment buckles, and stitched webbing are intact;
- Inspect the webbing for wear; if the inner gray base material is exposed, discard the product immediately. Look for cuts, bulges, tears, or loose threads, and ensure that the buckles open and close smoothly.

⚠ Note: Wear on the metal coating will accelerate oxidation and rusting.

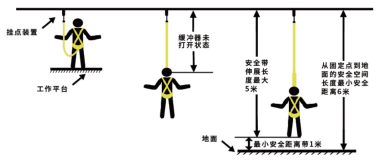
- Users must try on the harness while suspended in a safe area to confirm that the size, adjustment range, and comfort meet standards;
- Labeling must remain legible throughout the entire service life.

During each use:

- Ensure all buckles are fully locked; periodically inspect the condition of the safety harness and the entire set of accompanying equipment to confirm that all devices are properly positioned and do not interfere with one another.

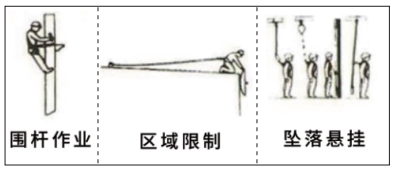
INSTRUCTIONS FOR USE

1. This safety harness is intended for users whose combined body weight and load do not exceed 100 kg. Users who have not received professional training must use it correctly under the guidance of a technician.
2. When using the safety harness, connect the safety lanyard to the back attachment point and position the lanyard on the user's right side in front of the body so that, in the event of a fall, the user can grasp the lanyard with their hand to maintain balance.
3. The lanyard and carabiner must be attached to a fixed anchor point with a load-bearing capacity of at least 15 kN.
4. The fall distance is closely related to the relative position of the anchor point and the wearer. Depending on the work environment, the anchor point may be positioned high, low, or at the same level as the wearer. In the event of a fall, a high anchor point poses the least threat to the wearer, while a low anchor point poses the greatest threat. High-positioned attachment must be used during operation.
5. The safety zone reflects the safety requirements of the workplace. It generally refers to the three-dimensional space below the wearer, where no objects exist that could cause impact injuries to a falling person. The most basic safety zone is the vertical height difference; the ideal safety zone is a hemispherical space centered on the suspension point, with the extension length serving as the radius.
6. Calculate the extension length as shown in the diagram below; the maximum extension length is 5 m, and the safety zone height is 6 m. The schematic diagram is as follows:

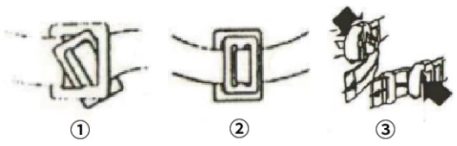


IMPORTANT NOTES

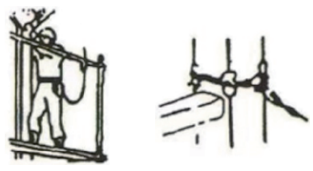
1. Assignment Diagram



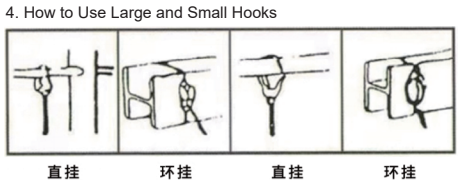
2. How to Use the Adjustable Buckles and Belt Buckles



3. Hooks must be hung above waist level, and any sharp corners should be smoothed out first.



4. How to Use Large and Small Hooks



5. After a safety harness has been in use for some time or has been in storage for one year, select one unit with the poorest appearance from each purchase batch for random inspection. Subject the work safety harness to a static load test by applying a tensile force of 225 kgf for 5 minutes, and to a fall-suspension impact test by performing a free-fall test with an 80 kg weight. If the harness does not break, that batch of safety harnesses may continue to be used. The harnesses used in the random inspection must not be used further.

COMPATIBILITY :

Make sure that this product is compatible with other elements of the system in your application(compatible=good functional interaction), otherwise it it dangerous.

○The user's health and body condition must be fit for mountaineering. Unconscious suspension at height can lead to severe injury or even death. Ensure that a rescue procedure is in place.

○In a safety system, the weakest component determines the strength of the whole system.

○Avoid that the rope and other braided fabric rub against sharp edges or rough surfaces.

○A risk assessment is needed and protection measures should be taken before use.

○Climbing alone might be dangerous and you should have a rescue plan and the means to implement it in case of encountered difficulties.

CARE AND MAINTENANCE

Climbing gear must not come into contact with corrosive materials such as battery acid, battery fumes, solvents, chlorine bleach, antifreeze, isopropyl alcohol or gasoline. After contact with saltwater or salt air, always rinse and dry textile products, and rinse, dry and lubricate metal products.

ADDITIONAL INFORMATION:

○ The user's health and body condition must be fit for working at heights. Unconscious suspension at height can lead to severe injury or even death. Ensure that a rescue procedure is in place.

○ The pulley effect should be taken into consideration when climbing. Any impact on the climber will increase the loading on the top anchor by 1.7times.

○ In the industrial use, the breaking load of a single anchor point must be 12kN at least or meet the standards of EN 795. The position of anchor should be higher than the user's connection. In a fall arrest system, it is essential to take the length of carabiners into consideration and check the required clearance below the user in order to avoid any impact with the ground or with an obstacle in case of a fall.

○ In a safety system, the weakest component determines the strength of the whole system.

○ Avoid that the rope and other braided fabric rub against sharp edges or rough surfaces.

○ A risk assessment is needed, and protection measures should be taken before use.

○ Working alone is not allowed, and you should have a rescue plan and the means to implement it in case of encountered difficulties.

LIFESPAN, INSPECTION AND RETIREMENT

Climbing gear does not last forever. Inspect your gear before and after each use, and retire it when it fails inspection or when it reaches its maximum lifespan: 10 years after the date of manufacture, even if unused and properly stored.

IMPACT, BOTH SEVERE AND MILD

Exposure to heat, sunlight, solvents, fuels, battery acid or battery fumes.

Damage and extreme conditions may shorten your equipment's useful life, and could require retiring the gearduring its first use.

Inspect your gear immediately if you suspect damage during use .

If you have any doubts about the condition of your gear, or after a serious fall, retire it.

Retired gear should be destroyed to prevent future use.

In the event that your harness needs to be disinfected, we recommend that you retire it rather than expose it to harsh chemicals.

Refer to Markings Section of these instructions in order to determine the date of manufacture of this equipment.

The lifespan of gear is measured from the date of manufacture, not the date of sale.

INSPECTIONS FOR THE HARNESS INCLUDED:

Inspect for corrosion, melting, cracks, wear, deformation, or stains; markings must be clear. Items that fail inspection (e.g., deformation, malfunctioning latches) must be repaired, scrapped, or sent back to the factory for re-inspection.

WHEN TO RETIRE YOUR EQUIPMENT:

a).You don't know its usage history.
b).You doubt about its performance, strength or safety.
c).It fails to pass PPE inspection.
d).Malfunctions are found.
e).It fails to meet updated regulations or standards.
f).It has been subjected to a major fall or load.

HOW TO RETIRE YOUR EQUIPMENT

Mark it with irremovable labels or destroy it as to prevent further use. For instance, drill or cut it. Or return it to the manufacturer for disposal.

RESPONSIBILITIES

1).You are responsible for your actions and decisions. If you cannot take the responsibilities, don't use it.
2).Only qualified person or one under supervision of a competent and experienced person can use this product.
3).You must take training course including theory and practice, basics for working at height, proper ways to use and relevant safety system knowledge before use.
4).When it is resold to other countries or regions, the instruction manual must be made in local languages.
5).XINDA is not responsible for any direct or indirect non-quality induced consequences.

STORAGE AND TRANSPORTATION

Rinse any residual contaminants from metal components with water, let them air dry, and store them in a cool, dry place; the equipment must not come into contact with abrasives, heavy objects, chemicals, sharp edges, or heat sources. Store metal and webbing components in dedicated containers, and follow storage standards during transportation. It is recommended that a designated person manage storage
and use.

⚠ Caution: Improper storage accelerates aging and shortens the service life.

MAINTENANCE OF THE HARNESS:

Proper maintenance and storage can extend the lifespan of the equipment and also guarantee the user's safety.

-Cleaning: Use clean water(20℃) and soft brush to rinse the external and internal of the product. No high-pressure water. No industrial-grade cleansers. Rinse afterwards and dry it naturally. No heat drying.

-The detergent with adverse effects can not be used for cleaning or disinfection.

⚠Warning: No modification, alternation or improper maintenance is allowed. It can only be repaired in the XINDA factory.

LIMITED WARRANTY:

XINDA provides a 3-year warranty against any material or manufacturing defects. Exclusions: normal wear and tear, deformation, oxidation, modifications or alterations, misuses, incorrect storage, poor maintenance , uses for which this product is not designed.

设备检测记录表 EQUIPMENT RECORD					
产品(Product):					
型号(Model&type):	品牌Trade name 欣达(XINDA)	型号识别码(ID number):			
生产厂家 Manufacturer: 欣达XINDA	产地: 中国	联系方式 +86 400-8856993 info@xindaoutdoor.com www.xindasafety.com			
生产日期 / 报废期限 Year of manufacture/life expiry date		采购日期 Purchase date	首次使用日期 Date first put into use		
其他备注（文件编号等） Other relevant information(e.g. document number)					
定期检验与维修履历 PERIODIC EXAMINATION AND REPAIR HISTORY					
日期 Date	检查项目 Inspections	记录事由 Reason for entry (periodic examination or repair)	缺陷记录、维修内容及相关说明 Defects noted, repairs carried out and other relevant information	检测人员签字 Name and signature of competent person	下次检测到期日 Periodic examination next due date