



## INSTRUCTIONS

**MODEL:** US-HPS8, US-HPS11, US-HPS20, US-HPS30, US-HPS40 & US-HN10, US-HN15, US-HN20, US-HN30, US-HN40, US-HN60, US-HN80 & US-H100, US-H150

**DESCRIPTION:** SAFETY RETRACTABLE LANYARDS WIRE ROPE / WEBBING

**1-800-850-5914**

## USER INSTRUCTION MANUAL

Should be used as part of an employee training program as required by OSHA and is intended to meet the manufacturers instructions as required by ANSI Z359.1

### WARNING!

This product is part of a personal fall arrest system. The user must read and follow the manufacturers instructions for each component of the system. These instructions must be provided to the user of this product. The user must read and understand these instructions before using this product. Manufactures instructions must be followed for proper use and maintenance of this product. Alteration or misuse of this product, or failure to follow instructions may result in serious injury or death.

**ANCHORAGE:** The anchorage to which this product is attached must be capable of sustaining a static toads in the direction applied by the personal fall arrest system of at least 3600 lbs. With certification of a qualified person, or 5000 lbs. without certification. When more than me personal fall arrest system is attached to the same structure, the strength requirements stated above must be multiplied by the number of personal arrest systems attached to the structure.

**PLAN:** Your personal fall protection system before installing and using this equipment. Consider all factors affecting your safety during use of this equipment.

**FREE FALL:** Ensure adequate clearance exist in your fall path to prevent striking an object. When the safety retractable is anchored above, a minimum of 6ft. from the working level to the lower



level or nearest obstruction is recommended, if anchored at feet level an additional 4 ft. Clearance is needed. Avoid working where your lifeline may cross or tangle with that of another worker. Do not allow the lifeline to pass under your arms or between your feet, never clip, knot, or otherwise prevent the lifeline from retracting.





**BEFORE EACH USE:** inspect all your personal fall protection equipment before each use. OSHA 1910.66 and 1926.502 and ANSI Z359.1 requires an inspection before each use, ANSI requires a formal inspection of fall protection equipment be completed by a competent person other than the user, more frequent inspections by a competent person may be required based on the severity of the workplace conditions.

ULTRA-SAFE equipment is design for use with only ULTRA-SAFE approved components and sub systems. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may effect the safety and reliability of a complete system. Personal fall arrest systems must meet applicable local, state, and federal OSHA requirements. Connectors (hooks. Carabiners. and D-Rings) must be capable of supporting at least 5000 lbs. Do not use equipment that is not compatible with the anchorage or other system components. Connectors must be compatible in size, shape, and strength, self locking snap hooks and carabiners are required by ANSI Z359.1 and OSHA.

**NOTE:** Large throat opening snap hooks should not be connected to standard size D-Rings or similar objects which will result in a load on the gate if the hook or D-Ring rotates or twist. Large throat snap hooks are designed for use on fixed structural elements such as cross members or rebar that are not shaped in a way that can capture the gate of the hook.

**FALL:** After a fall, equipment which has been subjected to fall arrest forces **MUST** be removed from service for inspection. Inspect the entire safety retractable lanyard such as the load / impact indicator on web style find the fold on the web to see if the stitching is broken and the fold torn apart or for wire style check the swivel snap hook to see if the RED indicator was engaged, the safety retractable lanyard must be removed from service and returned to an authorized service station for repair, do not re-stitch or repair.

**INSPECTION:**

- 1.) Ensure the safety retractable locks when the lifeline is pulled sharply, with no slippage, lock-up should be positive.
- 2.) Labels must be present and fully legible.
- 3.) Check the connecting hooks or carabiners for damage, distortion, or corrosion, and working condition.
- 4.) Check the housing for distortion, cracks, or other damage and make sure anchorage point is not distorted or damaged.
- 5.) Inspect each component of the personal fall protection system according to the manufactures instructions.
- 6.) The lifeline must fully extend and retract smoothly with no hesitation or slack on the line.
- 7.) Check the lifeline for cuts, bums, chemical damage, abrasions, loose strands, or corrosion, the lifeline must not be damaged.
- 8.) Check for loose or missing screws and bent or damaged parts.

ULTRA-SAFE Safety retractable's are not required a yearly inspection. If inspection reveals an unsafe or defective condition, remove the safety retractable lanyard from service and contact an authorized service station for repair. **ONLY ULTRA-SAFE** or authorized parties in writing may make repairs to the equipment.





**MAINTENANCE:**

Clean the lifeline with water and a mild detergent, rinse thoroughly and air dry. periodically dean the exterior and position the safety retractable so water can drain out, clean labels. An excessive build-up of dirt or other contaminants may prevent the retractable from operating property or from fully retracting causing a potential free fall hazard. Store the safety retractable in a cool, dry, and clean environment, avoid storing in areas where chemical vapors exist, or direct sunlight.

**CAPACITY:** 75 - 400 lbs. (one user ONLY)

**MAXIMUM ARRESTING FORCE:** 900 lbs.

**MAXIMUM ARRESTING DISTANCE:** 54 inches

**WORKING RANGE:** 2.5 ft. To \* ft. \*  
(depending on the model used, can go to 150 ft.)

**MATERIAL:**

- Housing:** hard plastic nylon / aluminum
- Drum:** nylon/aluminum
- Internal components:** steel / aluminum
- Lifeline:** 1 inch poly nylon blend / 3/16 inch galvanized wire rope.

**WARNING!**

Training must be conducted without exposing the trainee to a fall hazard. Training must be repeated periodically. If the safety retractable lanyard has been subjected to a fall arrest it must be removed from service and returned to an authorized service repair station. Do not alter or intentionally misuse this equipment, use caution when using this equipment around electrical hazards, moving machinery, chemical hazards, and sharp edges. This product is part of a personal fall arrest system, the user must read, understand and follow the manufacturers instructions for each component. Instructions must be followed for proper use and maintenance, failure to follow these instructions may result in serious injury or death.

The ULTRA-SAFE safety retractable's fulfill the requirements corresponding to the new draft of DIN EN 360:

**RETRACTABLE'S FOR HORIZONTAL USE**

All ULTRA-SAFE safety retractable's are tested in accordance with the requirements based on the new draft od DIN EN 360 and have the requisite test approvals.

ULTRA-SAFE safety retractable's are certified in accordance with CE by the test and certification body of the Personal Safety Equipment, technical committee. The functional capability of the retractable's is guaranteed by testing them in extreme situations ( e.g.. Cold, heat, and moisture)

The new draft of DIN EN 360 requires that all safety retractable's are also tested in horizontal use. Falling over a sharp edge in particular is tested for this. The tests have fully confirmed that the ULTRA-SAFE safety retractable's satisfy this new standard.

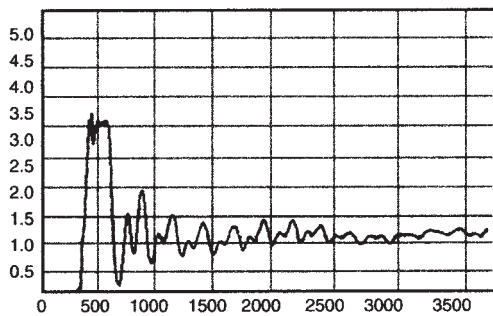
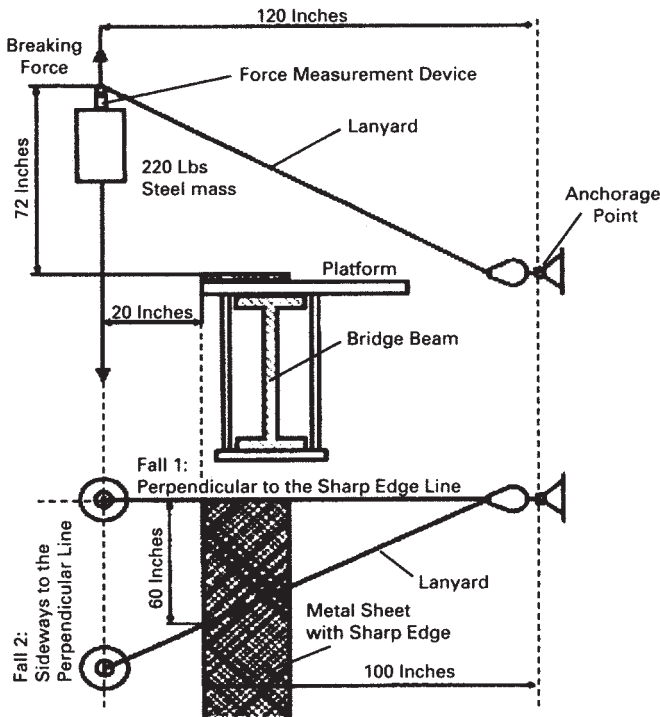
The new DIN EN 360 requirements:

- Design and ergonomics
- Materials and construction
- Blocking after pre-treatment. blocking in horizontal position
- Static load bearing capacity, static load bearing for horizontal applications
- Dynamic performance, dynamic performance for horizontal applications, dynamic load bearing capacity for horizontal applications
- Optional requirement in respect to fatigue strength
- Corrosion resistance
- Identification and information





**DIAGRAM SHOWING A DYNAMIC TEST PROCEDURE**



Kraft: 3.26 kN < 6 kN Bremsweg: 517 mm < 1500 mm  
 Fallhöhe: 1170 mm Gewicht: 100 kg



**WARRANTY**

Fall protection equipment offered by ULTRA-SAFE, INC. Are warranted against factory defects in materials and workmanship for a period of one year from the date of installation or use by owner, provided that this period shall not exceed one year from that date. Upon notice in writing, ULTRA-SAFE, INC. Will promptly repair or replace all defective items. ULTRA-SAFE, INC. Reserves the right to elect to have any defective item returned to its plant for inspection before making a repair or replacement. This warranty does not cover fall protection equipment damages resulting from damage in transit, abuse, or other damages beyond the control of ULTRA-SAFE, INC. This warranty applies only to the original purchaser and is the only one applicable to our products, and is in lieu of all other warranties, expressed or implied.

**(800) 850-5914**

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