



KwikSafety
Everything Safety®



DOLPHIN DORSAL - D-RING EXTENDER

MODEL NO. KS7721

INSTRUCTIONS FOR USE

WARNING

Activities involving the use of this equipment are inherently dangerous. You are responsible for your own actions and decisions.

Before using this equipment, you must:

- Read and understand all Instructions for Use.
- Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.



FAILURE TO HEED ANY OF THESE
WARNINGS MAY RESULT IN SEVERE
INJURY OR DEATH.

IF THESE INSTRUCTIONS ARE UNCLEAR TO YOU, PLEASE CONSULT A COMPETENT PERSON. SHOULD THESE INSTRUCTIONS BECOME LOST OR DAMAGED, OR SHOULD ANY LABELS BECOME ILLEGIBLE, PLEASE CONTACT **KWIKSAFETY** FOR REPLACEMENTS. SHOULD YOU NEED FURTHER ASSISTANCE WITH UNDERSTANDING THE PROPER EMPLOYMENT OF THIS PRODUCT, PLEASE CONTACT **KWIKSAFETY** FOR ASSISTANCE.



WWW.KWIKSAFETY.COM | SALES@KWIKSAFETY.COM | (980) 819 - 5200

This manual is intended to meet the Manufacturer's Instructions and should be used as part of an employee training program as required by OSHA.

WARNING: This product (D-Ring Extender) is one part of a personal fall arrest, restraint, work positioning, personnel riding, climbing, or rescue system. **The D-Ring Extender does not serve a useful purpose alone. The D-Ring Extender must be used in addition to other necessary components in sub-systems as mentioned above.** The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user before using this product and retained for ready reference by the user. The user must read, understand (or have explained), and heed all instructions, labels, markings and warnings supplied with this product and with those products intended for use in association with it before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. National standards and state, provincial and federal laws require the user to be trained before using this product. This manual can be used as part of such a user safety training program that is appropriate for the user's occupation.

DESCRIPTION

A single leg of 1.125" polyester webbing with a D-ring on one end, and a snap hook for connection to the dorsal connector of a harness on the other.

D-RING EXTENDER APPLICATION

A. PURPOSE:

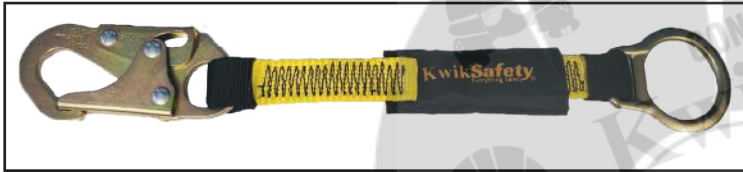
The D-ring extender is designed to make connecting to a Full Body Harness (FBH) Dorsal D-ring easier by extending this connection to where it can be more easily reached. When attached to a full body harness, the D-Ring Extender may be used as part of a personal fall arrest system **ONLY** if it is used in combination with other suitable fall arrest components.

WARNING: Unless otherwise indicated, users should not attach a shock absorbing lanyard or another connector to their dorsal D-ring when this device is in use. D-Ring Extenders are **NOT** designed for the purpose of extending the length of a shock absorbing lanyard.



KS7721 : D-Ring Extender with snap hook, 19" (48cm) length. This product is designed to allow users access to their back D-ring without removing their harness. By extending the D-ring, users can connect to an overhead SRL with ease (see Figure 1).

FIGURE 1



B. USE LIMITATIONS:

Consider the following application limitations before using this equipment:

1) CAPACITY: These D-ring extenders are designed for use by persons with a combined weight (clothing, tools, etc.) of no more than 310 lbs (140kg). Persons with muscular, skeletal, or other physical disorders should consult a physician before using. Pregnant women and minors must never use this equipment. Increasing age and diminished physical fitness may reduce a person's ability to withstand shock loads during fall

arrest or prolonged suspension. Consult a physician if there is any question about a user's physical ability to safely use this product to arrest a fall or remain suspended.

2) FREE FALL: For fall arrest applications, the length of the D-ring extension assembly must be taken into account when calculating free fall distances and fall clearance requirements. Refer to the other fall arrest system component instructions for free fall limitations.

3) FALL CLEARANCE: Ensure that enough clearance exists in your fall path to prevent striking an object. The amount of clearance needed is dependent on the type of fall arrest system and how it is rigged.

4) MAXIMUM ARRESTING FORCE: When used as part of a personal fall arrest system, the maximum arresting force must be limited to 1,800 lbs. or less.

5) PHYSICAL AND ENVIRONMENTAL CONCERNS: Use of this equipment in areas with physical or environmental hazards may require additional precautions to reduce the possibility of injury to the user or damage to the equipment. Hazards may include, but are not limited to; heat, chemicals, corrosive environments, high voltage power lines, gases,



moving machinery, and sharp edges. Contact KwikSafety if you have any questions about using this equipment where physical or environmental hazards exists.

SYSTEMS REQUIREMENTS

A. COMPATIBILITY OF COMPONENTS: KwikSafety equipment is designed for use with KwikSafety approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may effect the safety and reliability of the complete system.

B. COMPATIBILITY OF CONNECTORS: Connectors, such as D-rings, snap hooks, and carabiners, must be rated at 5,000 lb. (22 kN) minimum breaking strength and comply with ANSI Z359.1-2016. KwikSafety connectors meet these requirements. Connecting hardware must be compatible in size, shape, and strength. Non-compatible connectors may accidentally disengage ("rollout") or false engage. Always verify that the connecting snap hook or carabiner and the D-ring on the harness or anchorage connector is compatible. Some harness models have web loop connection points. Do not use snap hooks to connect to web loops unless the snap hook complies with ANSI Z359.1-2016. A selflocking carabiner may also be

used to connect to a web loop. Ensure the carabiner cannot cross-gate load (load against the gate rather than along the backbone of the carabiner). Connecting subsystems (self retracting lifeline, lanyard, rope grab and lifeline, cable grab, etc.) must be suitable for your application.

EXAMPLES OF INAPPROPRIATE CONNECTIONS:

- A. To a D-ring to which another connector is attached (unless otherwise specified as being allowable)
- B. In a manner that would result in a load on the gate.
- C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor and seem to be fully engaged to the anchor point.
- D. To each other.
- E. Directly to webbing or rope lanyard or tie-back.
- F. To any object shaped such that the snap hook or carabiner will not close and lock, or that could cause roll-out should a fall occur.



INSTALLATION PROCEDURE

A. CONNECTING THE D-RING EXTENDER TO THE FULL BODY HARNESS

KS7721: Installation to the dorsal attachment element is made by opening the snap hook attached to the device, and attaching it to the dorsal D-ring of a Full Body Harness (FBH).

INSPECTIONS

A. INSPECTION PROCEDURE

- 1) Inspect the D-ring extension hardware (D-ring and snap hook). These items must not be damaged, broken, distorted, or have any sharp edges, burrs, cracks, worn parts, or corrosion. Ensure the snap hook closes completely and tightly.
- 2) Inspect the webbing. The material must be free of frayed, cut, or broken fibers. Check for tears, abrasions, mold, burns, or discoloration. Inspect the stitching. Check for pulled or cut stitches. The webbing must be free of knots, excessive soiling, heavy paint buildup, and rust staining. Check for chemical or heat damage, indicated by brown, discolored, or brittle areas. Check for ultraviolet

damage, indicated by discoloration and the presence of splinters or splinters on the webbing surface. All of these above factors are known to reduce the webbing strength. Damaged or questionable webbing should be replaced.

- 3) Inspect all the labels. All labels must be present and fully legible.
- 4) Inspect each system component or subsystem according to the associated manufacturer's instructions.
- 5) The D-ring Extender must be inspected by a Competent Person other than the user at least annually.
- 6) Record the inspection date and results on the inspection log on the next page of this manual.

TRAINING

It is the responsibility of ALL USERS of this equipment to understand these instructions and to be trained in the correct installation, use, and maintenance of this equipment. These individuals must be aware of the consequences of improper installation or use of this equipment. This user manual is not a substitute for a comprehensive training program. Training must be provided on a periodic basis to ensure proficiency of the users.





DO NOT REMOVE THE TAG

Warning: User Capacity Range 130-310 lbs.

6 ft.
Maximum Free Fall

900 lbs
Average Arresting Force

Maximum Deployment Distance 48"
Forces may increase when cold and/or wet

Read Instructions Before Use

sales@kwiksafety.com

KwikSafety, LLC

DO NOT REMOVE THE TAG

**DOLPHIN DORSAL
D-RING EXTENDER**

Model No.: NS772LJ

Length: 1.5'

Material: Polyester Webbing

Date of Mfg: XX/XXXX

Serial No.: XXXXX

Batch No.: XXXXX

Capacity: 130-310 lbs

ANSI Z359.18 requires the use of this tag and only within the capacity range of 130 - 310 lbs.

ANSI/ASSE Z359.11-2014
www.kwiksafety.com

AN AMERICAN COMPANY
PACKAGE AND PRODUCT
DESIGNED IN THE U.S.A.
MADE IN CANADA

sales@kwiksafety.com

KwikSafety, LLC

FITTING INSTRUCTIONS

WARNINGS

All manufacturer's instructions, labels, and markings must be read before use and followed at all times. Avoid contact with sharp or abrasive edges and surfaces. Use only approved connecting devices.

For Y Type (2 leg) straps with integrally connected legs, the top leg should be attached to the fall body harness. Failure to do so may result in serious injury or death.

FALL CLEARANCE CALCULATION

Add the following:

1. Safety Lanyard Length: 6 ft
2. Shock Absorber Length: 4 ft (48")
3. Average Height of worker: 6 ft
4. Safety Factor: 2 ft (For Improperly fitted harnesses)

Total suggested safe fall clearance (distance): 18 ft

Please: webstraps must support 5,000 lbs while allowing for safe deceleration.

IF USER MUST INSPECT BEFORE EACH USE:

1. Completed section to inspect if has been used every
2. Date of first use
3. Phase Complete
4. Service life of production is 5 years from Date of First Use.

Make or patch in date grid

YR	J	F	M	A	M	J	J	A	S	O	N	D

At least in service date

At Date of pre-use inspection

IF USER FAILS INSPECTION, REMOVE FROM SERVICE AND DESTROY

WARNING!

Fall Arrest Indicator

This lanyard has been subjected to a fall. Remove from service. DO NOT USE!

INSPECTION LOG - KwikSafety D-Ring Extender

Model#: _____

Serial #: _____

Mfg. Date: _____

Inspection Date	Inspector	Comments	Pass/Fail	Corrective Action to be Taken	Approved By

