



USER INSTRUCTION MANUAL

K-RAIL

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODEL:

UFGR140006, UFGR140008, UFGR140010, UFGR240004, UFGR240005
UFGR240002



⚠ WARNING:

These instructions must be provided to the user of this equipment. The user must read and understand these instructions or have them explained to them before using this equipment. The user must read and follow the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use and maintenance of this product. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.

IMPORTANT:

- If you have questions on the use, care, or suitability of this equipment for your application, contact KStrong.
- Before using this equipment, record the product identification information in the equipment record table.

INTRODUCTION

This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency.

This and any other included instructions must be made available to the user of the equipment.

APPLICABLE SAFETY STANDARDS

When used in accordance with the instructions, this product meets or exceeds **all applicable OSHA 1926 Subpart M and OSHA 1910** standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

WORKER CLASSIFICATIONS

Understand the following definitions of those who work near or who may be exposed to fall hazards.

Qualified Person: A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems

Competent Person: A highly trained and experienced person who is **ASSIGNED BY THE EMPLOYER** to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

Authorized Person: A person who is assigned by their employer to work around or be subject to potential or existing fall hazards

It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.

APPLICATIONS-

Fall Prevention: K-Rails may be used in Fall Prevention applications **ONLY**. Fall Prevention Systems are placed around the leading edges of any and all fall hazards to prevent a worker from going over an edge, and may be used in substitute of Fall Protection or safety netting systems. Installation requirements for K-Rails set forth in this manual **MUST** be adhered to. Personal Fall Arrest, Work Positioning, Climbing, Rescue, and any other systems must **NEVER** be connected to Fall Prevention Systems

Surfaces more than 6' above lower levels require the use of a Fall Prevention or Fall Protection system

WARNING - Use of equipment in unintended applications may result in serious injury or death. **NEVER** make any connections to guardrail systems.

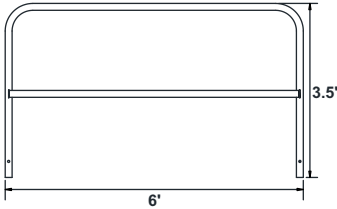
NEVER lean or climb on guardrail systems

PRODUCT DESCRIPTION

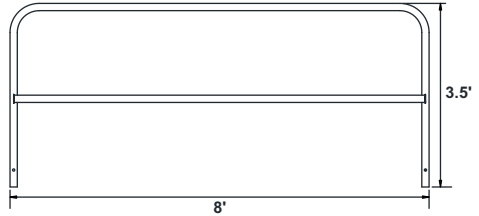
Materials: Powder-Coated Steel

Model Number	Length	Description
UFGR140006	6'	KStrong Guardrail K-Rail. Powder-coated yellow.
UFGR140008	8'	KStrong Guardrail K-Rail. Powder-coated yellow.
UFGR140010	10'	KStrong Guardrail K-Rail. Powder-coated yellow.

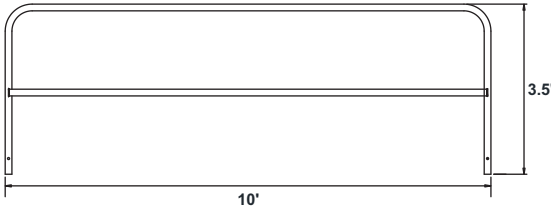
Product : KStrong Guardrail K-Rail (06ft)
Model Number- UFGR140006



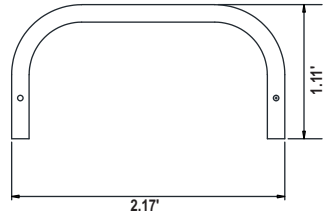
Product : KStrong Guardrail K-Rail (08ft)
Model Number- UFGR140008



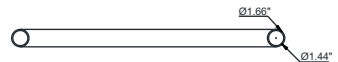
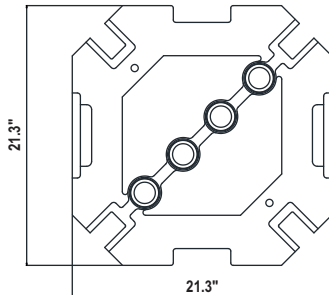
Product : KStrong Guardrail K-Rail (10ft)
Model Number- UFGR140010



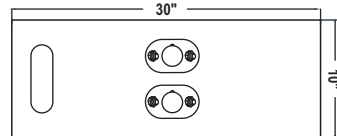
Product : KStrong Out Rigger Post
Model Number- UFGR240005



Product : KStrong Base Plate
Model Number- UFGR240004



Product : KStrong 2-Way Baseplate
Model Number- UFGR240002



Toe board installation is mandatory when materials, tools, equipment, etc., can fall. Use the toeboard slots on the baseplate to install the toe boards.

BASE PLATES: SOLD SEPARATELY from K-Rail Systems.

The KStrong baseplate model No. UFGR240004 is compatible with the K-rail system.

Installation and Use

Requirements for KStrong systems:

- The max allowable roof pitch is 1/12(5°).
- K-Rail comes into 6ft, 8ft and 10ft Size.
- Toeboards are necessary whenever there is a risk of tools, equipment, materials, or other items falling to a lower level.
- Installation of toeboards to be done in such a manner that is should be 3 1/2" from their edge to working surface. Also there should not be more than 1/4 gap between work surface & bottom edge.



PRE INSTALLATION CHECKS-

1. KStrong's K-Rail system is designed for continuous installation to safeguard against hazards related to leading edge fall risks.
2. Always install K-Rail on a strong surface to avoid collapse.
3. While installing K-Rail near power lines or areas with electrical hazards, maintain a minimum safe distance of 10 feet.
4. Always plan the installation of the K-Rail system to be at least 24 inches away from any openings or leading edges to avoid the need for readjusting baseplates and reinstalling the K-Rail system.
5. Toeboards and base plates must be installed perpendicular to KStrong K-Rails.

Note - The K-Rail is suitable for use up to a wind load of 70 MPH. If there are high wind gust hazards, KStrong recommends avoiding the use of K-Rails.

INSTALLATION-

1. K-Rail comes in 6', 8', and 10' sizes. Therefore, the placement of base plates should be adjusted according to the K-Rail size and positioned away from the leading edge.
2. During installation, first place the base plate as far away as possible, but at least 24 inches, from the opening or leading edge. Then, hold the K-Rail side ways and align it with the attachment points on the base plate. Repeat this process for the entire system installation.
3. After placing the K-Rails into the base plates, it is mandatory to lock the linch pins provided with the base plates. Ensure that the K-Rail installation is firm and that the toeboards, once installed, are parallel to the K-Rail. The base plates are equipped with slots for the installation of toeboards.

Installation of two way base plate - Guardrail base plates should be placed and utilized as outlined in these instructions. Always ensure that both guardrail legs are securely fastened using the set screws on the guardrail base plates. The slope should not exceed 1/12.

Do not alter and misuse the equipment.

MAINTENANCE, CLEANING AND STORAGE



- Repairs to this product can only be made by a competent person or an entity authorized by manufacturer. If this product fails inspection in any way, immediately remove it from service, and contact manufacturer to inquire about its return or repair.
- Cleaning after use is important for maintaining the safety and longevity of this product .
- Remove all dirt, corrosives, and contaminants from this product before and after each use. If this product cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean this product with corrosive substances.
- When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

INSPECTION

- Keep Instructions available for reference. Record Date of First Use
- Prior to EACH use, inspect this product for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, broken stitching, fraying, bird-caging, and missing or illegible labels. IMMEDIATELY remove this product from service if defects or damage are found, or if exposed to forces of fall arrest.
- Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.
- At least every 6 months, a Competent Person other than the user must inspect this product. **Competent Person's inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.**
- During inspection, consider all applications and hazards this product has been subjected to.

MARKINGS





CAUTION

KSTRONG®
UNRIVALED SAFETY.

BEFORE USING, make sure to read and understand all the supplied instructions with the equipment. User must be properly trained on how to use them correctly the K-Rail Systems. Keep Instruction card attached to EACH 6', 8', or 10' K-Rail. DON'T USE K-Rail if the instructions card is missing.

INSPECTION GRID
Do Not Remove Label.

Before every use, user must inspect the products. Every 6 months a competent person must complete final inspection of the product and record initials. If equipment fails inspection, IMMEDIATELY REMOVE FROM SERVICE.
Date of First Use: _____ Product lifetime is indefinite as long as equipment passes pre-use and Competent Person inspections.

Made In China

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K-STRONG[®]
UNRIVALED SAFETY.

K-RAIL

UFGR140006

Barcode

UID: XXXXXXXXXXXXXXXX
Date of Mfg : XXXX



Read the user instructions carefully before each use.



kstrong.com



K-STRONG[®]
UNRIVALED SAFETY.

K-RAIL

UFGR140008

Barcode

UID: XXXXXXXXXXXXXXXX
Date of Mfg : XXXX



Read the user instructions carefully before each use.



kstrong.com



K-STRONG[®]
UNRIVALED SAFETY.

K-RAIL

UFGR140010

Barcode

UID: XXXXXXXXXXXXXXXX
Date of Mfg : XXXX



Read the user instructions carefully before each use.



kstrong.com



K-STRONG[®]
UNRIVALED SAFETY.

BASE PLATE

UFGR240004

Barcode

UID: XXXXXXXXXXXXXXXX
Date of Mfg : XXXX



Read the user instructions carefully before each use.



kstrong.com



K-STRONG[®]
UNRIVALED SAFETY.

**2-WAY
BASE PLATE**

UFGR240002

Barcode

UID: XXXXXXXXXXXXXXXX
Date of Mfg : XXXX



Read the user instructions carefully before each use.



kstrong.com



K-STRONG[®]
UNRIVALED SAFETY.

**OUT RIGGER
POST**

UFGR240005

Barcode

UID: XXXXXXXXXXXXXXXX
Date of Mfg : XXXX



Read the user instructions carefully before each use.



kstrong.com

LIFESPAN: The estimated product Lifespan is 10 years from the date of first use. The following factors can reduce the Lifespan of the product: intense use, contact with chemical substances, especially aggressive environments, extreme temperature exposure, UV exposure, abrasions, cuts, violent impacts, bad use or maintenance.

DISCLAIMER: Prior to use, the end user, must read and understand the manufacturer's instructions supplied with this product at the time of shipment and seek training from their employer's trained personnel on the proper usage of the product. Manufacturer is not liable or responsible for any loss, damage or injury caused or incurred by any person on grounds of improper usage or installation of this product.

EQUIPMENT RECORD				
Product:				
Model and type/identification		Trade name		Identification number
Manufacturer		Address		Tel, fax, email
Year of manufacture		Purchase date		Date first put into use
Other relevant information (e.g. Document number)				
PERIODIC EXAMINATION AND REPAIR HISTORY				
Date	Reason for entry (periodic examination or repair)	Defects noted, repair carried out and other relevant information	Name and signature of competent user	Periodic examination next due date



KStrong Inc.
150 N. Radnor Chester Road Suite F200
Radnor, Pennsylvania 19087 United States
Contact number: 1-833-KSTRONG

www.kstrong.com

USA	South America	Asia
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