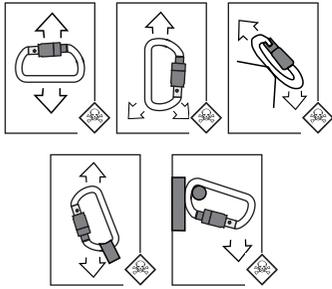
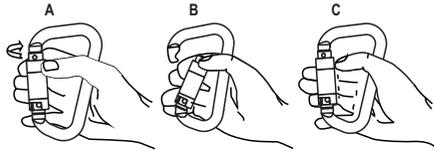


Incorrect Loading



12. HOW TO USE:



- A. Rotate gate 90 degrees about its axis (unblock)
- B. Depress gate until it pivots about the hinge (open).
- C. Release gate and it should swing back and contact nose.

13. ANCHORAGE STRENGTH : Connector should be attached with Anchor having strength greater than 12kN & Gate should be properly closed & locked before use.

14. LIMITATIONS :

- Connector should be the personal property of its user.
- A connector should never be loaded across its gate.
- Screw link (Class Q) connectors should only be used where connections are infrequent.
- Screw link connectors are only safe for use when the screw motion gate is fully closed. Ensure this by tightening them to the last possible point.
- For connector with self closing and manual locking gate, it is recommended that they should only be used where the user does not have to attach and remove the connector frequently.
- The equipment shall only be used by a person trained and competent in its safe use.
- The equipment shall not be used outside its limitation , or for any purpose other than for which it is intended.
- Anchor point should be positioned above the user's head to minimize potential fall hazards.
- The length of connector should be taken into account when used in a fall arrest system.
- Full body harness is the only acceptable body holding devices that can be used in a fall arrest system.

15. INSTRUCTIONS FOR REPAIR: If the product becomes damaged, it will NOT provide the optimum level of protection, and therefore it should be immediately removed from service.

Never use the damaged product. Repairing is permitted, provided that it is either done by the manufacturer or a competent repair centre or individual approved by the manufacturer.

16. WARNING:

- Do not make any alterations or additions to the equipment without the manufacturer's prior written consent and that any repair shall only be carried out in accordance with the manufacturer's procedures.
- Withdraw from use any connector for which any doubt arises about its condition for safe use or in the event, a fall has been arrested by it.
- It is essential for the safety of the user that if the product is re-sold outside the original country of destination the reseller shall provide instructions for use, maintenance, periodic examination and for repair in the language of the country in which the product is to be used.

Following conditions may be hazardous & may affect the performance of the equipment:

- Extreme temperature.
- Trailing or looping of lanyards over sharp edges.
- Extreme acidic or basic environments.
- Abrasive or sharp edge structures which can damage the equipment.
- Pendulum falls.
- When equipment become wet, either from being in use or when due to cleaning, it shall be allowed to dry naturally, and shall be kept away from direct heat.
- Hooks to be attached on dorsal of harness to make the connections & ensure the locking of hooks when attached with dorsal attachment.
- Hooks can be opened under traverse loading.

17. CLEANING: In case of minor soiling, wipe the connector with cotton cloth or a soft brush. Do not use any abrasive material. For intensive cleaning wash the connector in water at a temperature between 30°C to 60° C by using a neutral detergent (pH 7). The washing temperature should not exceed 60° C. Do not use acid or basic detergents.

18. STORAGE AND TRANSPORT: When not in use, store the connector in a well-ventilated area away from heavily acidic or basic environment. Never place heavy items on top of it. Also ensure that the connector is stored away from chemically hazardous environment. Preferably storage should be in a dry environment. Always use manufacturer's standard packaging during transportation to protect it from damage or moisture.

19. PERIODIC EXAMINATION:

- The connector needs to be periodically examined because the safety of the user depends upon the continued efficiency and durability of the connector.
- It is important to examine it at least once in every 12 months.
- Periodic examination is to be conducted by a competent person and strictly in accordance with the manufacturer's periodic examination procedures & shall also include checking the legibility of the product markings.

MARKINGS:

AFC601100	CE 0598	25KN	KSTRONG	EN 362:2004	B	XX/YY	[R]
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)

The Connector is marked with :

(i) Type or product code	(iii) Minimum breaking load
(ii) The CE mark showing that the product meets the requirements of the PPE Regulation (EU)2016/425	(iv) Identification of the manufacturer
	(v) EN Norms to which it complies
	(vi) Class B
	(vii) Batch No.
	(viii) Read the instructions before use

AFC601415 CE 0598 23KN KARAM EN 362:2004 B XX/YYz [R]

LIFESPAN: The estimated product Lifespan is 10 years from the date of manufacture. The following factors can reduce the Lifespan of the product: intense use, contact with chemical substances, specially 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



**USER INSTRUCTION MANUAL
KARABINERS & CONNECTORS**

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODEL:

AFC601422, AFC601101, AFC601101C, AFC601100, AFC601105, AFC601110, AFC601115, AFC601401, AFC601405, AFC601415, AFC601410, AFC601420, AFC601421, AFC601120, AFC601121, AFC608100, AFC608701, AFC601715, AFC601710, AFC601701, AFC601715, AFC608111, AFC608401, AFC601711 and AFC609100

CE 0598
EN 362:2004

EN ISO 9001:2015
EN ISO 9007:2015

For EU Declaration, please visit
<https://kstrong.com/asia/en-declaration-form/>

SGS Fimko Oy, Takomote 8, FI-00380 Helsinki, Finland (Notified Body 0598)

Ongoing Assessment Body:
YNP Ireland (Notified Body 2777)

Certification Body :
SATRA Technology Europe Ltd, Racepoint Business Park, Clonree, Dublin D15

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Kstrong Inc.
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Contact number : 1-833-KSTRONG
www.kstrong.com
USA SOUTH AMERICA ASIA

AKS-AFC601422-030821-1/3

Please read and understand the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use, care, and maintenance of this product. These instructions must be retained and be kept available for the user's reference at all times. Alterations or misuse of this product, or failure to follow instructions, may result in serious injury or death.

Note: The user is advised to keep this user instructions document for the life of the product.

1. INTRODUCTION: These connectors are classed as a Personal Protective Equipment (PPE) by the European PPE Regulation (EU)2016/425 and have been shown to comply with this Regulation through the Harmonized European Standard EN 362:2004.

These connectors are designed to minimize the risk of/provide protection against the danger of falling from heights. However, always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.

2. DEFINITION:

- **Snap Hooks:** Snap hooks are self closing/self locking connectors which provide for permanent attachment of a lifeline or lanyard.
- **Karabiners:** The self closing karabiners are self closing/self locking connectors. Few connectors include a pin that may be used to retain a permanently connected lifeline or lanyard.

3. PERFORMANCE AND LIMITATIONS OF USE: These connectors have been tested in accordance with EN 362: 2004 and found to achieve the specified performance levels as laid down in the norm.

- Below chart shows materials of connectors made by KStrong along with their openings :-

PRODUCT CODE	MATERIAL	OPENING	BREAKING STRENGTH (kN)	DESCRIPTION
AFC601422	Aluminium Alloy	14	23	Aluminum Karabiner
AFC601101	Alloy Steel	15	23	Steel Karabiner
AFC601101C	Alloy Steel	15	23	Steel Karabiner
AFC601100	Alloy Steel	18	25	Steel Karabiner
AFC601105	Alloy Steel	22	40	Steel Karabiner
AFC601110	Alloy Steel	22	40	Steel Karabiner
AFC601115	Alloy Steel	19.5	23	Steel Karabiner
AFC601401	Aluminium Alloy	15	23	Aluminum Karabiner
AFC601405	Aluminium Alloy	22	23	Aluminum Karabiner
AFC601415	Aluminium Alloy	21	23	Aluminum Karabiner
AFC601410	Aluminium Alloy	21	23	Aluminum Karabiner
AFC601420	Aluminium Alloy	25.4	23	Aluminum Karabiner
AFC601421	Aluminium Alloy	24	30	Aluminum Karabiner
AFC601120	Alloy Steel	25.4	50	Steel Karabiner
AFC601121	Alloy Steel	25.4	50	Steel Karabiner
AFC608100	Alloy Steel	59	23	Steel Hook
AFC608701	Stainless Steel	140	20	Steel Hook
AFC601715	Stainless Steel	25.4	50	Steel Karabiner
AFC601710	Stainless Steel	25.4	50	Steel Karabiner
AFC601701	Stainless Steel	16	23	Steel Karabiner
AFC601715	Stainless Steel	19.5	23	Steel Karabiner
AFC608111	Alloy Steel	50	23	Steel Hook
AFC608401	Aluminium Alloy	60	22	Aluminum Hook
AFC609100	Alloy Steel	17	23	Micron Karabiner
AFC601711	Stainless Steel	19.5	23	Steel Karabiner

4. APPLICATION : These connectors are used for connecting two or more components of a fall arrest system. Generally all components have attachment elements, or loops or eyes etc. which can facilitate easy connection to the other component by use of a connector. The connector can also be used as a fixed termination in a layer or energy absorber.

5. INSPECTION: Visually inspect the system before each use to ensure that it is in a serviceable condition and is operating correctly. If during inspection, doubts are raised about the safety of the system or a component, these should be replaced either by the manufacturer or a competent person.

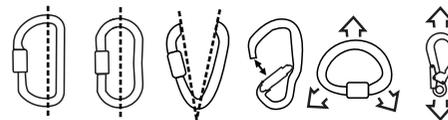
6. PRECAUTIONS:

- Ensure the Medical condition of the user does not affect his safety in normal and emergency use.
- The equipment shall only be used by a person trained and competent in its safe use.
- A rescue plan shall be in place to deal with any emergencies that could arise during the work.
- If the coating of the Dielectric Hook is found damaged/ broken, remove it immediately from service.
- When intended to be used in a fall arrest system, it is essential for safety to verify the free space required beneath the user at workplace before each occasion of use, so that in case of a fall there will be no collision with the ground or other obstacle in the path.
- Avoid situations that may reduce the strength of connector eg. connecting to wide straps.
- Ensure that the equipment is compatible with other items when assembled into a system.

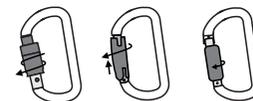
7. PRE - USE CHECK :

- It is important to check before use, any dangers that may arise by the use of combinations of items of the equipment in which the safe function of any one item is affected by or interferes with the safe function of another.
- Carry out a pre-use check of the connectors, to ensure that it is in a serviceable condition and operates correctly before it is used. connectors should not have any cracks, deformation, damages or rusts and gate , lock should be moved freely.
- Ensure the compatibility of items of equipment when assembled into a system.

8. Types of Karabiners & Connectors



9. Types of gate openings



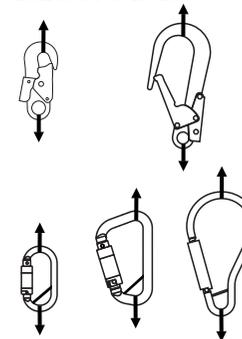
10. LOAD POSITIONS:



Barring exceptional circumstances, a Karabiner is designed to be loaded on the major axis. Only the strength rating for the major axis with gate closed is suitable for the loads sustained by a karabiner in vertical activities.

Loading on any axis other than the major axis, and any poor positioning, will result in reduced strength.

11. DIRECTION OF LOAD:



• Incorrect Connection

Never make connection to any such object which is shaped or dimensioned such that the Snap Hook or Karabiner will not close and lock, or where roll-out could occur.

