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USER INSTRUCTION MANUAL  
**REMOVABLE CHEMICAL FASTENER**

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:

AFA930310

EN 795:2012 Type A

CERTIFIED PRODUCT



AUSTRALIA & NZ STANDARDS  
Certified to AS/NZS 5532:2013  
Issued by BSI  
Vide Lic. No.: BMP 760374

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 worker'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.

**"To be used in accordance with manufacturer's instructions"**

- 1. INTRODUCTION:** The anchors 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 795:2012 Type A and Australia & NZ Standards AS/NZS 5532:2013.

This Anchor is designed to minimise 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. PERFORMANCE AND LIMITATIONS OF USE:** This Anchor has been tested in accordance with EN 795:2012 Type A and Australia & NZ Standards AS/NZS 5532:2013, and has achieved the following performance levels:-

EN 795:2012 Type A test	Result/Comment
General Requirements for Anchor devices (Clause 4.1)	(PASS)  No sharp edges (PASS).
Static Strength (Clause 4.4.2.3)	Sustained a force of 12 kN for 3 minutes (PASS).
Dynamic Strength & Integrity Test (Clause 4.4.2.2)	When tested with rigid steel mass of 100 kg, the test mass held after test with the device remaining stable throughout. (PASS). Anchor Holds an increased load of 300kg for 3 min following dynamic test.
Corrosion Resistance (Clause 4.2.2.1)	No corrosion evident after 48 hours of salt spray testing. (PASS)

AS/NZS 5532:2013 test	Result/Comment
Static Strength (Clause 5.3)	Sustained a force of 15 kN for 3 minutes (PASS).
Dynamic Performance (Clause 5.3)	When tested with rigid steel mass of 100 kg, the test mass held after test with the device remaining stable throughout. (PASS)

- 3. APPLICATION:** Kstrong Removable Chemical Fastener is provided with a lock to prevent the anchorage eye from coming out of the stud accidentally.  
This Anchor is capable of being installed on a concrete structure having minimum thickness of 150mm through a Pre-defined hole of 22.00 mm diameter.
- 4. 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.
- 5. 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.
  - Ensure that the anchor is installed directly above the user's head.
  - It is essential to verify free space required beneath the user at work place before each occasion of use so that in case of a fall there will be no collision with ground or other obstacle in the fall path.

**6. INSTRUCTIONS FOR INSTALLATION (SA 44):**

Follow below points for secure installation of Removable Chemical Fastener:-

- Drill a hole / use a predefined hole of  $\varnothing$  22 mm in concrete structure with a minimum depth of 110 mm.
- Clean the hole from any dust or standing water before setting the anchor. Use compressed air, industrial vacuum cleaner etc. Ensure hole is free from dust, water, ice, oil, chemicals or any other foreign matter.
- Check that the hole depth is correct, before setting the anchor. Hole depth should be correct when anchor stud touches the base of hole and setting depth mark coincides with concrete surface.
- Insert the chemical anchor capsule into drilled hole.
- Use the setting tool to drive the anchor stud into the hole.
- Give minimum 30 minutes to get the chemical cured.
- Rotate the secondary lock towards outside & push the upper knob of the locking pin assembly & insert locking pin assembly into the installed stud, release the knob & rotate the secondary lock inside & check that the movement of the knob is restricted by the secondary lock.
- To remove the locking pin assembly rotate the secondary lock outwards & push the knob & pull the assembly outside of the stud.

**7. ANCHORAGE STRENGTH:** Ensure that the structure on to which the anchor is fitted is strong enough to withstand a load of 15kN.

**8. LIMITATIONS :**

- Anchors should be the personal property of its user.
- It should not be used in highly acidic or basic environment.

**9. COMPATIBILITY :** To optimise protection, in some instance it may be necessary to use the anchor with suitable boots/gloves/helmet/ear defenders. In this case, before carrying out the risk-related activity, consult your supplier to ensure that all your protective products are compatible and suitable for your application.

**10. REPAIR :** If the product becomes damaged, it will NOT provide the optimum level of protection, and therefore should be immediately removed from service. It needs to be inspected to see if it is replaced or repaired. Never use the damaged product. Repair is only permitted by the manufacturer or a nominated repair centre or individual approved by the manufacturer.

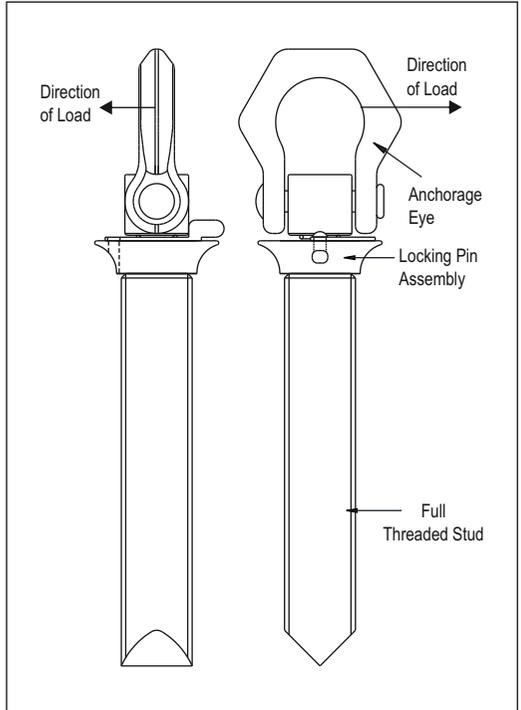
**11. WITHDRAWAL FROM USE :** If the system has been used to arrest a fall, it should be removed from service and returned to the manufacturer or a competent repair centre for servicing and re test.

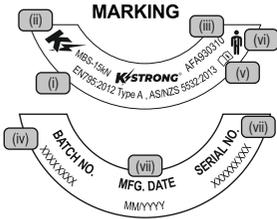
**12. CLEANING :** In case of minor soiling, wipe the anchor with cotton cloth or a soft brush. Do not use any abrasive material. For intensive cleaning wash the anchor in water at a temperature between 30°C to 60°C by using a neutral detergent (pH 7). The washing temperature should not exceed 60°C.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

**13. STORAGE AND TRANSPORT :** When not in use, store the anchor in a well-ventilated area away from heavily acidic or basic environment. Never place heavy items on top of it. Also ensure that it is stored away from chemically hazardous environment. Preferably storage should be in dry environment.

**14. WARNING:**

- Do not make any alteration or additions to the equipment without the manufacturer's prior written consent and repair shall only be carried out by personnel trained by the manufacture & duly authorized by him.
- The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.





**The Anchor is marked with**

- i) The AS/NZS & EN Norm Reference.
- ii) Identification of the manufacturer
- iii) Type or product code
- iv) Batch No. for traceability
- v) Read The Instruction Before Use.
- vi) For single user only
- vii) MFG. Date
- viii) Serial Number.

**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.

<b>EQUIPMENT RECORD</b>				
Product				
Model & type/Identification		Trade Name		Identification number
Manufacturer		Address		Tel, email into use
Year of manufacture		Purchase Date		Date first put into use
Other relevant information (eg. document number)				
<b>PERIODIC EXAMINATION AND REPAIR HISTORY</b>				
Date	Reason for entry (periodic examination or repair)	Defects noted, repairs carried out and other relevant information	Name and signature of competent person	Periodic examination next due date

**Certification Body:**

SATRA Technology Centre, Wyndham Way, Telford Way, Kettering, NN16 8SD, UK (Notified Body 0321)

**Certification Body & Ongoing Assessment Body (AUSTRALIA & NZ STANDARDS)**

BSI Group ANZ Pty Ltd, Suite 1, Level 1, 54 Waterloo Road, Macquarie Park, NSW 2113, Australia.

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



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