



The New Anti-Impalement ReACTer Cap

**THE NEXT GENERATION OF PROTECTION
FOR YOUR WORKFORCE**

- **ACT** now to prevent injury
- **ACT** now to protect your workforce
- **ACT** now to make the construction industry a safer environment for all

ReACTer Cap with the VRZ System

As part of our commitment to continually seeking to offer our customers new and innovative products, RFA-Tech has been working exclusively in partnership with its local UK Rebar Safety Cap supplier to find a proven solution for protecting your workforce from the danger of impalement by reinforcement starter bars on construction sites.

It is our belief that there is no other product on the market in the UK that can offer the level of protection given by the ReACTer Cap. At the moment there is no British Standard for a Rebar Safety Cap. However, due to the increase in the number of fall impalement accidents in USA resulting in either serious injury or death, the California Occupational Safety and Health Regulations (CAL/OSHA) have formulated the Code of Regulation 1926.701(b) Reinforcing steel. (Which says) "All protruding reinforcing steel, onto and into which employees could fall, shall be guarded to eliminate the hazard of impalement."

From this, they introduced the testing and specification standards California Regs (OSHA) – 344.90 Impalement protection specifications and testing criteria. This specifies drop test specifications for an anti-impalement safety cap which can be approved for working at a height of 2.3 metres. These specifications are the only ones used throughout the USA and also acknowledged as the only method of testing in Europe, Australia and New Zealand.

How it Works

The ReACTer Cap works in 2 different, but complimentary ways:

Firstly, the inner flutes reduce the speed the cap is pushed down onto the reinforcement.

Secondly, the ribs & ridge underneath the head dissipate the impact force by flexing and directing the force over the sides of the cap.

These two features combine to give what is known as the 'VRZ' or 'Velocity Reduction Zone'.

The ReACTer Cap has been designed to, and tested to exceed these requirements, with the tests being witnessed by an independent UKAS and ANSI accredited testing laboratory. As a result, the ReACTer Cap will protect your workforce from impalement injuries on reinforcement starter bars should they be unfortunate enough to fall on them, from a height of up to 5 metres.

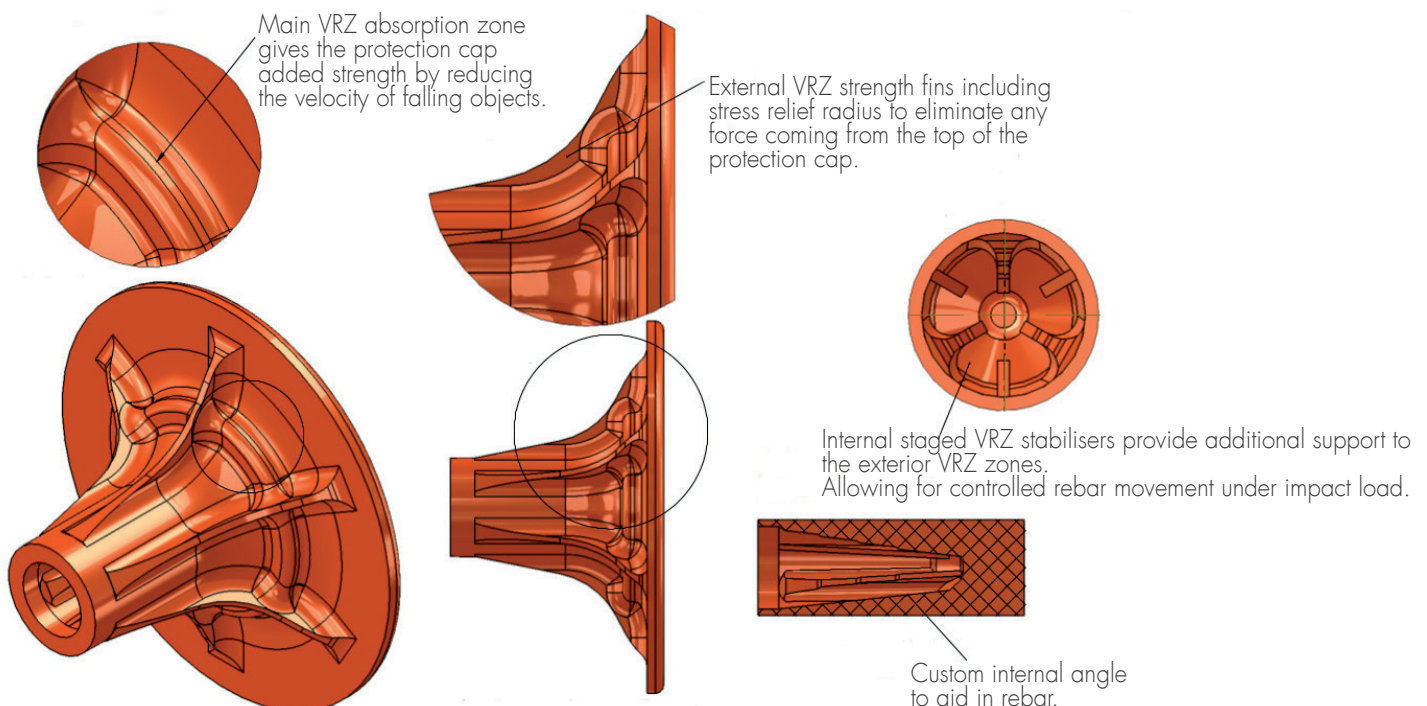


The 'VRZ', in conjunction with the careful selection of a thermoplastic polymer prevents the reinforcement from breaching the cap and therefore prevents impalement.

The ReACTer Cap is visually quite unique. The head is flat and approximately 100cm².

Below the head of the cap there is a set of ribs to support the head and provide the 'VRZ'.

There are 3 sizes of ReACTer Cap available to fit reinforcement sizes 8-16mm, 16-32mm and 40-50mm.



ReACTer Cap Rail System

The second part of the system, known as the ReACTer Cap Rail System, which has also been fully tested, will allow 4 ReACTer Caps to cover reinforcement up to a distance of 2.25 metres. The system comprises of 4 ReACTer Caps, plus a purpose designed rail manufactured from thermoplastic polymer supplied in 750mm lengths, which can be easily joined together to complete the system. Alternatively, the ReACTer Caps can work independently and be applied to each and every rebar to offer the same full protection.



Multiple protection caps can clip on anywhere along the system cover



The clip on cover gives the protection cap added strength by eliminating any velocity from falling objects

System clip used to secure the cap onto the cover



ReACTer Cap and Rail System Key Benefits

- Designed to meet and exceed the California Regs. (OSHA) specification.
- Product specification that exceeds this globally used specification by 66% on drop height and 10% on weight.
- Product testing witnessed by an independent UKAS and ANSI accredited testing laboratory.
- Will prevent potentially fatal reinforcement penetration injuries from heights of up to 5 metres.
- Providing not damaged in an accident they are quickly reclaimable and are safe to re-use, saving on-site costs.
- More cost-effective than alternative systems available on the market.
- Both patent (AU2014900306/AU2014900313) & design (AU354641) have been applied for, ensuring you get the same reliable, robust product every time you order.
- Available to provide protection on all standard sizes of reinforcement.
- High visibility orange caps and Rail system.
- Does not require any untested third party components to complete the system.
- Manufactured and distributed in the UK, ensuring rapid technical response and delivery.

How to Order

For all orders or general enquiries for the ReACTer Caps and Rail System please call our sales office on 0870 011 2881, e-mail to sales@rfa-tech.co.uk, or alternatively you can order online at www.rfa-tech.co.uk.



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