

# Technical Bulletin

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## ***Subject: Use of Two Single Tail Lanyards from a Single Fall Arrest Anchorage***

A tear web shock absorber works by absorbing the forces from a fall and reducing the impact forces on the body to less than 6 kN.

Due to a lack of education and training in industry some individuals have used two single shock absorbing lanyards instead of a twin tail lanyard in the belief that this provides better protection.

Typically, a twin tail shock absorbing lanyard consists of two single lanyards connected to a single energy absorbing pack via connecting hardware, such as a D-ring. When used in accordance the manufacturer's user instruction manual, a twin tail shock absorbing lanyard is designed to deliver less than 6 kN to the body in the event of a fall.

During recent testing, two single tail lanyards were tested in parallel and the resulting forces were shown to be in excess of 6 kN. The impact resulting from the fall doubled the force required to activate the shock absorbers therefore increasing the load on the body in excess of the AS/NZS 1891 Standard.

Capital Safety **does not** recommend the use of two single shock absorbing lanyards in parallel. If two tails are required for traversing a structure or other work activities, a twin tail lanyard **must** be used.

Contact Capital Safety for specific models or hook combinations to suit your work environment.