

DATASHEET



RESTRAINT TECHNIQUE/SELF-RECOVERY LANYARD

AS 1891.3:2020

CODE: RTL / RTL-D / RTLTP



Quality
ISO 9001
Licence: QEC20205
SAI GLOBAL



REVISION NUMBER : RTLREV160425

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RESTRAINT TECHNIQUE/SELF-RECOVERY LANYARD

PRODUCT FEATURES AND INFORMATION

LATEST INNOVATION IN FALL PREVENTION EQUIPMENT/SYSTEM

Saferight's innovative restraint technique/self-recovery lanyard is an Australian Standard certified fall prevention solution, designed to provide the highest level of safety in the workplace. The device incorporates a built-in shock absorber that reduces the impact of a fall to under 4kN, effectively minimising the potential for serious injury.

In the event of a fall, the lanyard's self-lowering mechanism helps to mitigate the risk of suspension intolerance/trauma, ensuring that the user can be safely lowered to the ground. The system requires ground clearance of 3.4m instead of the usual 6.5 metres with shock absorber packs, which makes the device suitable for a range of applications from single-storeys to tower rescue applications.

This advanced system has been certified to the rigorous AS/NZ 1891.1:2007 and AS 1891.3:2020 standards, as well as the relevant Australian Codes of Practice, ensuring its compliance with the highest standard.

Safe Working Load (Including tools): Should not exceed 120kg

SKU CODE (1) RTL - Single Tail (2) RTL-D - Twin Tail (3) RTLTP - Third Party Recovery

(1) RTL- Single Tail



(2) RTL-D - Twin Tail



(3) RTLTP - Third Party Recovery



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Main Features

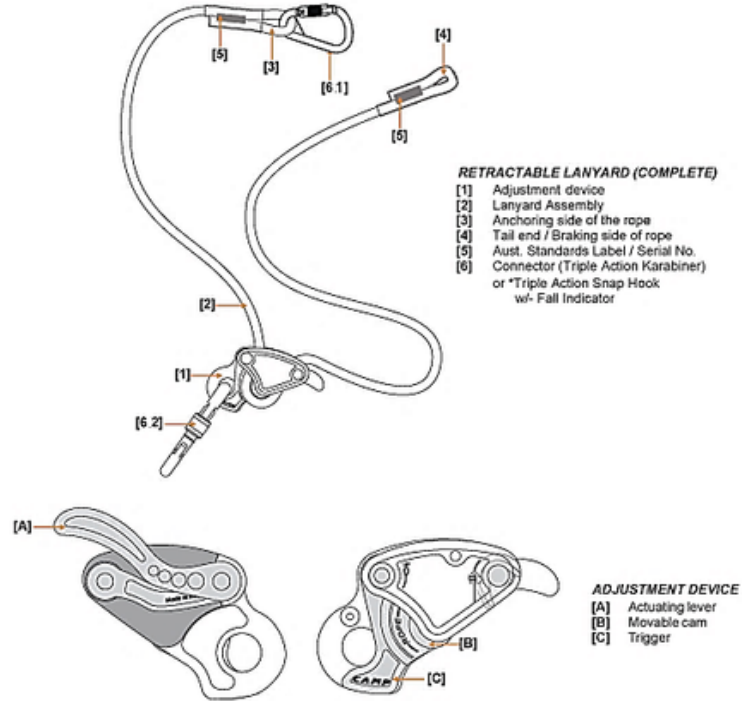
- Easy to adjust
- Shock load reduced from 6kn to 4.2kn
- Auto-descent breaking mechanism
- Available in any length (work position to ground)
- Easy and efficient adjustment system
- Much less ground clearance needed

MATERIALS & CONSTRUCTION

- 2 x High Tensile Steel Karabiners
- 50 kN Triple Action
- CAMP SAFETY Druid Auto Braking Descender
- Camp 11mm Iridium Kernmantle Rope

TESTING & QUALITY CONTROL

- Conforms to AS/NZS Standards 1891.1:2007
- Certified to AS Standard 1891.3:2020
- 100% Visual inspection
- Saferight is an ISO 9001 Certified Company



A. ANCHOR POINT

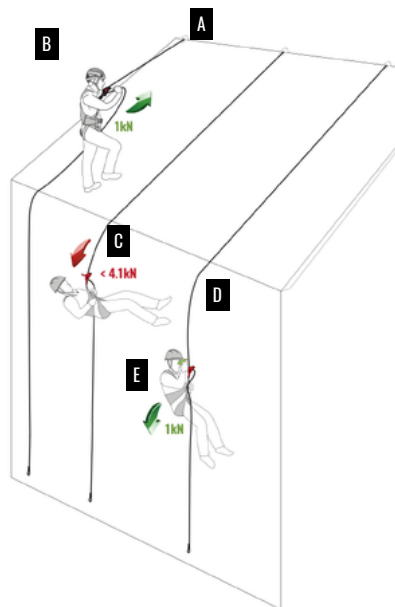
- 1) Attach front of harness to adjust device
- 2) Attach anchor side of rope to rated anchor point of (15kN)

B. RESTRAINT TECHNIQUE

Remove any unwanted slack by grasping tail end of rope lanyard assembly and push away from user towards anchor point and rope line.

C. WORK POSITIONING

Adjust lanyard towards edge, grasp Druid adjuster with finger/s on trigger and squeeze trigger to adjust with minimum distance of 600 mm towards the edge.



D. FALL ARREST

Misuse situation (Accidental Fall) - Limited Free Fall w/- 600mm lockout distance

E. SELF-RECOVERY

Engineering out suspension trauma by self-recovery mechanism to lower to the ground in the event of a fall.



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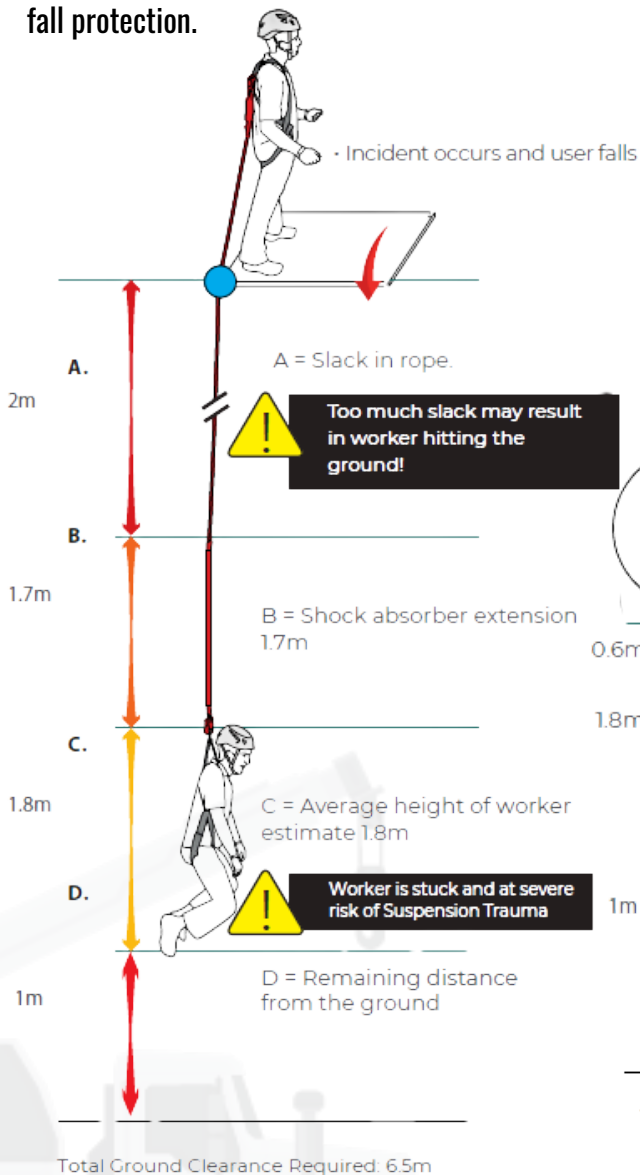


RESTRAINT TECHNIQUE/SELF-RECOVERY LANYARD

COMPARISON BETWEEN OLD FALL ARREST TECHNOLOGY AND NEW FALL RESTRAINT LANYARD.

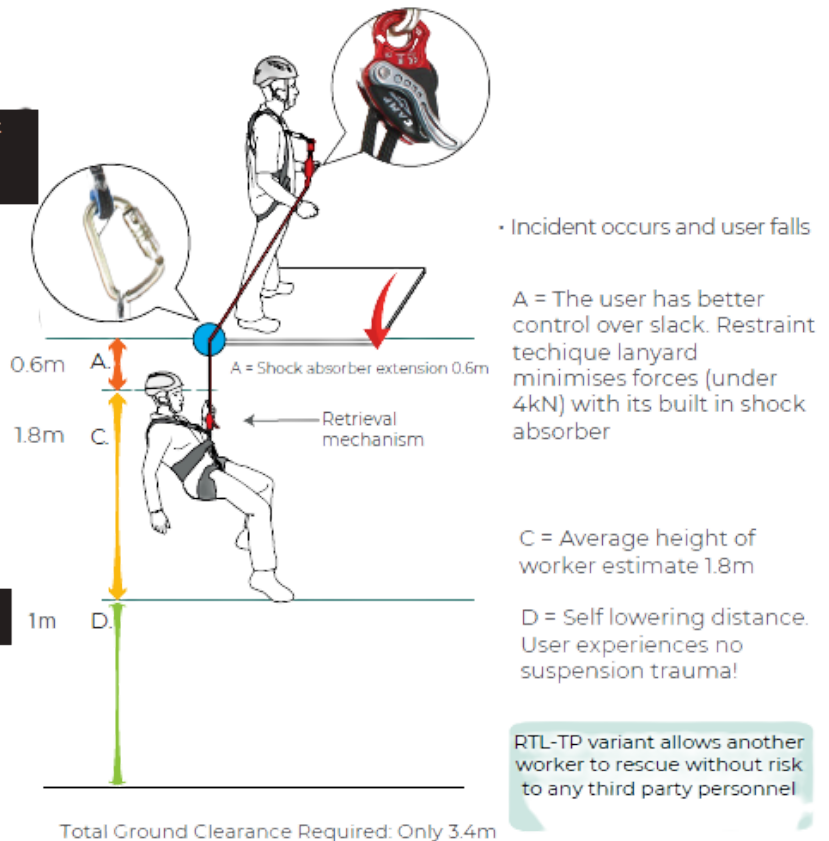
FALL ARREST SYSTEM

This equipment necessitates a ground clearance of 6.5 meters and utilises the conventional method of fall protection.



FALL PREVENTION SYSTEM

Offers a ground clearance requirement of just 3.4m, making it suitable for use in a wide range of applications, from single storey buildings to tower rescue scenarios.



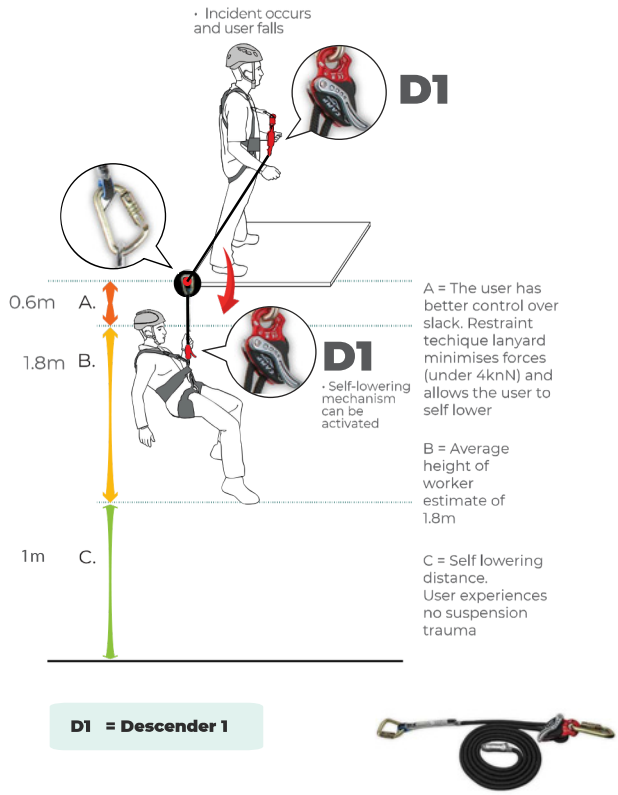
Quality ISO 9001 Licence: DEC2020 SAI GLOBAL



SINGLE TAIL -(RTL)

The **Single Tail Restraint/Self-Recovery Lanyard** is a reliable safety lanyard that effectively prevents workers from falling. It boasts a remarkable limited free fall distance of only 0.6m instead of 1.7m with the convention method of a shock absorber pack. Additionally, this innovative device is engineered to mitigate the effects of suspension trauma on the human body, ensuring the highest level of safety.

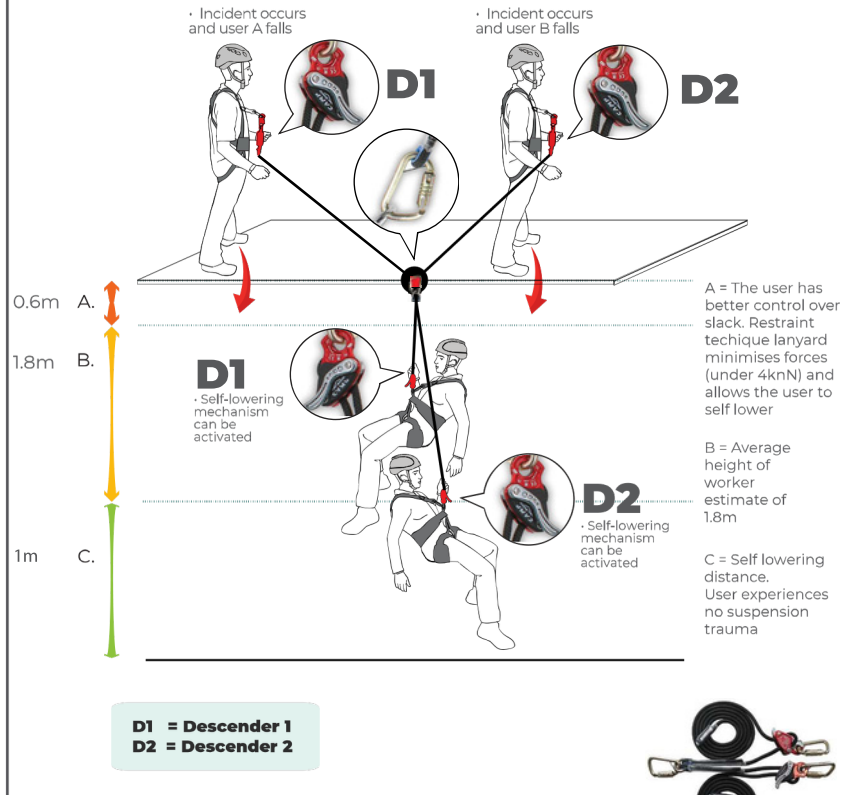
Notably, the Single Tail Restraint/Self-Recovery Lanyard is designed to allow the conscious user to perform a self-recovery manoeuvre to the ground without relying on assistance from third-party emergency personnel. This feature not only enhances the user's autonomy but also saves valuable time in emergency situations, allowing for a more efficient response to critical scenarios.



TWIN TAIL - (RTL-D)

• The **Twin Tail Lanyard** variant of a restraint technique lanyard can be used to tether two users to a single anchor point, while still allowing the users a degree of flexibility to move around. This is useful in situations where two workers need to work together in close proximity to each other.

The twin tail variant consists of two separate tail-ends that can be attached to the same anchor point or harness, allowing two users to be tethered together. The tails are adjustable, so that the users can move around within a limited range, but are still working in restraint from unprotected edges.



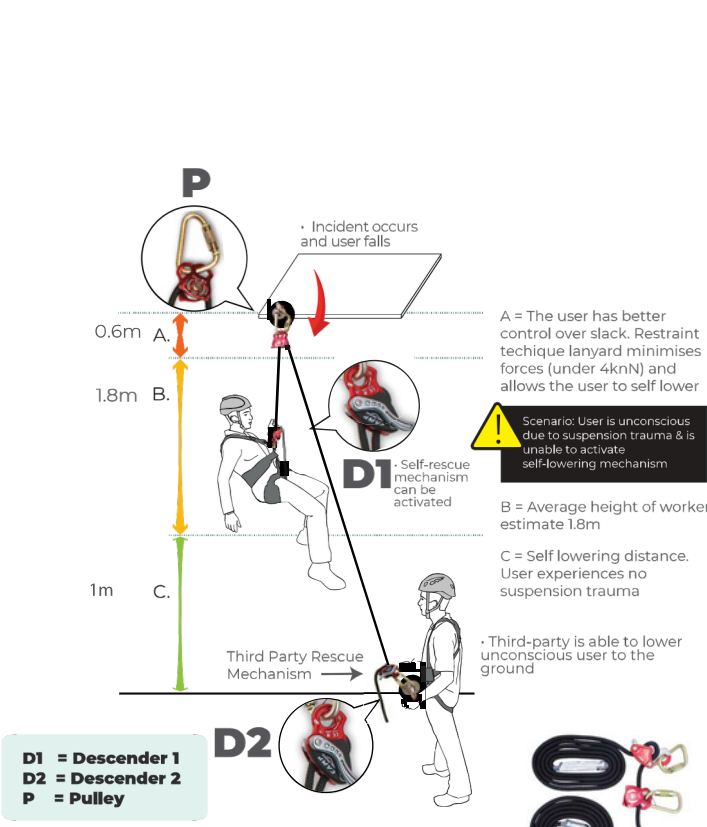
Total Ground Clearance Required: Only 3.4m

THIRD PARTY RESCUE - (RTLTP)

• The **Third Party Rescue Lanyard** provides a solution for rescuing an unconscious person who is suspended in a harness, without exposing any employee or rescuer to unnecessary risk. This innovative device enables the individual to be safely lowered to the ground, without exposing themselves to unprotected edges during the rescue operation.

This is accomplished through the use of a retrieval mechanism, which is attached to the anchor point or static line, and can be easily activated to initiate the descent of the suspended person.

The concept utilises a pulley system that is connected to two descenders/retrieval systems, in contrast to the single tail system that utilizes only one.



Total Ground Clearance Required: Only 3.4m