

# Technical Bulletin

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## **Subject: DBI -SALA R500 Rollgliss Rescue Descender – Suitability of use in the Australian & New Zealand Markets**

The Rollgliss R500 Rescue & Escape Device is available in either *Descent with Rescue Lifting* or *Descent only* models.

**Purpose:** The Rollgliss R500 Rescue & Escape Device is intended to lower one or two people simultaneously from an elevated height to a lower level in a rescue situation. Multiple people may also descend one after another using the device. The descent speed is automatically limited during descent. Models incorporating a hand wheel allow for raising persons a short distance to facilitate rescue. Regular servicing of these units within prescribed guidelines is also required.

**Australian/New Zealand Markets:** Currently there is no Australian or New Zealand Standard specifying requirements for the materials, design, manufacture and testing of such rescue devices.

There have been attempts by some in the market to link the requirements of AS 4142.3—Fibre ropes Part 3: Man-made fibre rope for static life rescue lines to rescue devices. However this Standard specifies “design, performance and marking requirements for man-made fibre ropes of sheath and core construction for use as static life rescue lines by life rescue organizations”. Within this standard it is clear that the ropes used for static rescue lines must be between 11mm and 16 mm, however there is no standard that states that this rope specification must be used within a rescue operation or device.

Further, there is no standard within Australia for automatic (or manual) descent devices. AS 4142.3 therefore does not apply to use within the Rollgliss R500 Rescue & Escape Device.

**Standards:** In lieu of no applicable Australian standards covering the performance, safe use, design or testing of Rescue Devices, Capital Safety defers to appropriate/applicable internationally recognised standards. The Rollgliss R500 Rescue & Escape Device carries the following International Certification;

- **CE EN341 Class A (Europe)**
- **EN 1496 Class B, (Europe)**
- **OSHA 1926, Sub-part M, Appendix C, (USA)**
- **ANSI Z359.4-2007 (USA)**
- **CSA 2259.2.3-99 (Canada)**

Further to the compliance of many international standards, Capital Safety warrants and recommends the use of the Rollgliss R500 Rescue & Escape Device (in accordance with the instructions outlined in the Instruction Manual) with 9.5mm kernmantle rope for the Australian Market in the knowledge that it is not in contravention of any existing appropriate Australian Standard.