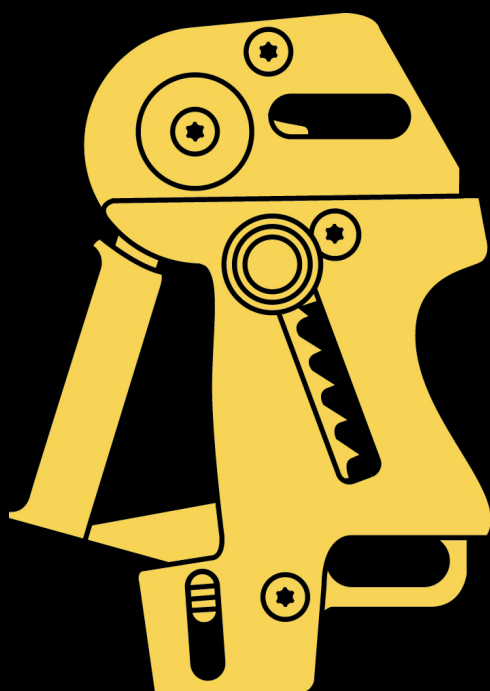


RAPID RAPPEL



[4.1-Tactical]

4.1-Tactical decent system

Designed for military and law enforcement applications, this equipment provides operators with a tactical advantage during unplanned descents, evacuations, and vertical access in maritime, urban, and mountain environments.

The descender provides excellent one-handed operation, eliminating the need for a hand on the brake side of the rope, thanks to its unique and patented friction mode adjustment. It delivers superior performance in wet conditions, exhibiting comparable or improved braking performance compared to dry conditions. Furthermore, it has been approved and tested for use in wet, cold, and even very cold conditions (-25°C).

	50kg		EN-341:2012/EN365:2005		22kN
	140kg		Aluminium, steel, nylon		10-50
	20m: 650g, 30m: 790g, 50m: 1060g inc. 2 x carabiners, rope protector, Technora rope, rope bag and vacuum bag.				



4mm Technora fire resistant rope

Technora represents the top-tier para-aramid material, offering superior strength and improved flexibility fatigue resistance compared to Kevlar, resulting in minimal loss of strength after repeated use. It also boasts excellent resistance to water, steam, and chemicals, with a high melting temperature of 500°C. Additionally, the rope is replaceable on training devices and devices that are revalidated by an authorized entity.

	100% Technora		4 mm		15.3 Minimum strenght
	13.6 g/m		0.4%		16.7 Average strenght

Production and quality control

Our reliable Norwegian supplier uses CNC machining to craft all metal parts for the descender, ensuring consistent quality.

Each meter of rope undergoes rigorous quality control, including simulated rappelling within the device's weight range and visual inspection.

Our in-house CNC sewing machines expertly stitch the webbing and rope.

Every unit is manufactured, assembled, and tested in Norway to maintain high standards.



Certification

The VVUU, a.s. has carried out assessments on the system in accordance with the standards EN 341:2012 / EN 365:2005. It is classified as type/class- 2/D single use. However, military, law enforcement, and experts may have the authorization to depart from these regulations and utilize the device repeatedly.

Organizations or units approved by the manufacturer can revalidate the device for reuse and maintain its certification.

The system underwent testing with a 175kg load for 50m dry, wet, wet/cold, and very cold condition rappels during development, testing, and certification.

In the event of an unexpected freefall during rappelling, the brake is designed to slide down the rope to reduce the force. The certification process involved dropping a 140kg test mass from a height of 60cm, and the maximum peak force recorded was 4.1kN.

Non-certified version for multiple descents

The EN-341:2011 certification prohibits the use of multiple descents systems with non-kernmantel rope construction, such as the 12-strand Technora rope.

The 4.1-Tactical device is engineered to support multiple descents, however, due to certification limitations and the absence of specific regulatory standards governing the use of such devices for multiple descents, it cannot be marketed as a multi-use device under EN certification.

To address this, the manufacturer provides an uncertified edition designed for advanced applications, without restrictions on the number of descents.

Recognizing the lack of specific standards, the manufacturer recommends specialized training for personnel responsible for using the device in multiple decent scenarios.

As with all safety devices, it remains the operator`s responsibility to ensure their own safety by carefully assessing the equipment's integrity before each use and determining when it requires replacement.



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Designed,
developed and
produced in
Norway