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3S LIFT EVACUATION AND RESCUE DEVICE

Safe Evacuation When Working At Height

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Product Introduction

The Evacuation and Rescue Device is used for emergency descent and assisted rescue. It enables the fully automatic, controlled evacuation of up to two people simultaneously. The dualbrake mechanism with active heat dissipation ensures reliable performance, even when descending heavy loads from great heights.



Key Features

Sosaf-2



Self-Cooling Double Brake

The dual-brake mechanism with active heat dissipation provides stable descent at uniform speed.

High-Performance Rope

Designed for application on- and offshore, the highly robust kernmantle rope is resistant to wear, fire, saltwater spray, and high and low temperatures.

Escapes and Rescue

With its integrated spoke handwheel, they can be used for hoisting.

Sosaf-2R Sosaf-3R



Core Value

• Bi-Directional Design

The bi-directional design of the Evacuation and Rescue Device allows for the uninterrupted descent or rescue of several people. Both ends of the rope can be used for descent, enabling continuous abseiling. This allows for more people to be evacuated in a short amount of time. In addition, the intuitive design prevents human error, thus increasing safety.

• High-Strength Aluminum Alloy

The high-strength aluminum-alloy construction of the housing is lightweight and corrosion-resistant.

• Ball Bearing Rope Routing

The ball bearing design of the rope routing ensures maximum durability and stability.

Functional Differences

Model			
Function	Sosaf-2	Sosaf-2R	Sosaf-3R
Descent	✓	✓	✓
Rescue lifting	✗	✓	✓
Locking	✗	✓	✓
Anti-reverse locking	✗	✗	✓
Secondary braking	✗	✗	✓

*Emergency situations can occur during wind turbine maintenance work, putting both equipment and personnel at risk. Descender device equipped with rescue feature are designed to mitigate these risks.

*The **Sosaf-3R**, an upgraded model with rescue feature, offers enhanced safety and efficiency, making it suitable for a wider range of wind turbine applications.

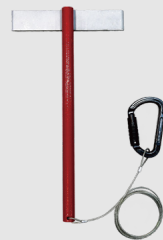
Customization

Optional Accessories

A flexible anchor point, edge protector, and crow bracket are available upon request. The device kit can also be configured to include additional brackets, straps, edge protectors, t-bars, and other rescue accessories.



Edge shields



T-shaped rocker



pulley



Support frame



Rope grabber



Flexible anchor point



Adjustable anchor point



Exit safety rope



Rescue triangle sling

Packaging Options

The Evacuation and Rescue Device is available in four different packaging options.



Moisture-proof bag

The most convenient option for technicians who carry the device to different locations.



Vacuum-sealed, inside a moisture-proof bag

Perfect for cases where the device is kept in a confined space.



Vacuum-sealed, inside a sturdy plastic box

Ideal when the device is kept inside the turbine permanently.



Vacuum-sealed, inside a C4H corrosion-resistant metal box

Another popular option for units that remain inside the turbine.

Customizable Rope

The rope length can be customized based on usage requirements.


Evacuation and Rescue Device Specifications

Model	Sosaf-2	Sosaf-2R	Sosaf-3R
Rope diameter	9.6 mm	9.6 mm	9.6 mm
Descending speed	~0.9 m/s	~0.9 m/s	~0.9 m/s
Temperature range	-40 °C - +65 °C	-40 °C - +65 °C	-40 °C - +65 °C
Storage temperature	-40 °C - +70 °C	-40 °C - +70 °C	-40 °C - +70 °C
Relative humidity	0 % - 95 %	0 % - 95 %	0 % - 95 %
Device weight (excluding rope)	1.9 kg	2.5 kg	3.1 kg
Certification	ANSI/ASSE CE	ANSI/ASSE CE	ANSI/ASSE
Standards	EN 341:2011/1A ANSI/ASSE Z359.4-2013	EN 341:2011/1A EN 1496:2017 ANSI/ASSE Z359.4-2013	ANSI/ASSE Z359.4-2013
Descent load	1 person: 150 kg, single descent height: 500 m 2 persons: 250 kg, single descent height: 250 m 2 persons: 282 kg, max. single descent height: 200 m		
Product validity period	15 years with vacuum packaging. 6 years without vacuum packaging.		

*The actual maximum descent height must be less than the rope length.
The maximum descent load can be up to 282 kg (621.70 lbs) in case of emergency.

AFTER-SALES SERVICE

 **Hotline**
+ 400 002 4580

 **Quick Response**

- 12 h to diagnose fault
- 24 h to offer solutions
- 48 h to resolve complaint