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Fall Protection System

Safety for Working at Height

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Fall Protection System

Safety for Working at Height

Fall protection is paramount for safety when working at height. Using 3S Lift Fall Protection Systems allows wind turbine technicians to climb safely and comfortably up and down turbine ladders. Should a technician slip or miss a rung, the Fall Arrester will lock immediately, preventing a fall. This ensures safety and peace of mind.

Guide Rail Fall Protection System

TF-R

Our Guide Rail Fall Protection System TF-R consists of two components: a guide rail and a Fall Arrester. The Fall Arrester moves with the technician, travelling along the guide rail. Made from high-strength aluminum alloy that is resistant to acid, alkali and corrosion, our fall protection systems are suitable for deployment even in the harshest conditions.

The system is suitable for installation on any aluminum or steel ladder.

TF-R Guide Rail Fall Protection System Specifications

Guide rail type	Inner rail type
Corresponding Fall Arrester SL-R60S, SL-R50E, SL-R50	
Ladder	Aluminum ladders and steel ladders
Max. static load	16 kN
Compliant with standard	EN 353-1, CAN/CSA Z259.2.1, ANSI Z359.16, ANSI A14.3, CAN/CSA Z259.2.4, AS/NZS 1891.3
Certification	CE, ETL; OSHA compliant



Guide Rail Fall Arrester

SL-R60S / SL-R50E / SL-R50

The Fall Arrester is attached to the ladder-mounted safety guide rail. It slides along the rail and engages automatically in the event of a fall. Our corrosion- and abrasion-resistant Fall Arresters are suitable for deployment in demanding conditions, both on- and offshore.

Energy Absorber

To dampen the impact when falling, our Fall Arresters feature an energy absorber. This further improves safety while making the system more comfortable for the user. The SL-R50E and SL-R60S even come with 2 separate energy absorbers, ensuring excellent performance.

Anti-Inversion Design

The intuitive design of our fall arresters only allows installation in one direction, thus preventing operator error.

Attachment at any Position

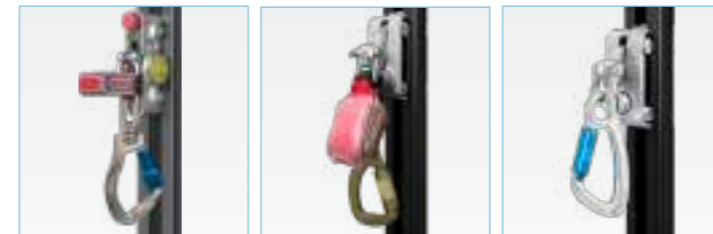
The Fall Arresters can be attached and removed at any position on the guide rail.

Comfortable and Convenient Use

Our Fall Arresters are designed to be particularly comfortable and convenient. They smoothly track the climber's movement while moving along the guide rail and require no manual tugging.

Secondary Locking Mechanism

SL-R60S offers an added level of safety by providing a secondary locking mechanism in addition to the primary one.



Fall Arrester Specifications

Model	SL-R60S	SL-R50E	SL-R50
Corresponding Fall Protection System	TF-R	TF-R	TF-R
Rated load	140 kg	140 kg	140 kg
Max. static load	16 kN	16 kN	16 kN
Compliant with standard	ANSI Z359.16 ANSI A14.3 CAN/CSA Z259.2.4 AS/NZS 1891.3	EN 353-1 ANSI Z359.16 CSA Z259.2.4	EN 353-1
Certification	CE, ETL	CE, UL, ETL	CE



Wire Rope Fall Protection System

TF-83 / TF-80 / TF-10



Top Mounting Bracket
The wire rope is attached to the top of the ladder using a durable, long-life mounting bracket.

Optional Shock Absorber
Installed at the top mounting bracket, the shock absorber increases safety and comfort.

Fixing Clamps
Wire rope clamps prevent the rope from swinging and causing abrasion to the rope or ladder.

Fall Arrester
The Fall Arrester can be attached and removed at any position on the wire rope.

Bottom Mounting Bracket with Optional Tensioner
The tensioning device at the bottom mounting bracket allows for easy adjustment of the tensioning force.

Our wire rope fall protection system prevents falling and keeps personnel safe while working at height. It is made up of two components: a guide wire rope and a Fall Arrester.

The TF-83 / TF-80 / TF-10 Wire Rope Fall Protection System can be installed on any aluminum or steel ladder. It consists of mounting brackets, a wire rope, tensioning device and wire rope clamps. The wire rope is installed between the upper and lower mounting brackets.

TF-83 / TF-80 / TF-10 Fall Protection System Specifications

Model	TF-83 / TF-80 / TF-10
Safety wire rope	8.3 mm / 8.0 mm / 9.5 mm
Corresponding Fall Arrester	SL-810S, SL-820S
Shock absorber	Optional
Tensioner	Optional
Compliant with standard	EN 353-1, ANSI Z 359.16, CSA Z259.2.5
Certification	CE, ETL, OSHA compliant

SL-810S / SL-820S Fall Arrester

The SL-810S/SL-820S Fall Arrester slides smoothly along the wire rope of the TF-83 / TF-80 / TF-10 Wire Rope Fall Protection System. It slides along the rope and engages automatically in the event of a fall.

Our corrosion- and abrasion-resistant Fall Arresters are suitable for deployment in harsh conditions, both on- and offshore. They can be attached and removed at any position on the rope and also feature an anti-inversion design, which prevents incorrect operation.

Secure Locking System

The internal spring mechanism of the SL-810S/SL-820S ensures secure locking.

Optional Energy Absorber

To dampen the impact when falling, the Fall Arrester can be equipped with an energy absorber. This further improves safety while making the system more comfortable for the user.

Anti-Inversion Design

The intuitive design of the SL-810S/SL-820S allows installation only in one direction, thus preventing operator error.

Stainless Steel

Featuring the strongest possible anti-corrosion grade C5-M, the stainless steel Fall Arrester is designed for adverse conditions.

8 mm to 10 mm Wire Ropes

The SL-810S/SL-820S can accommodate 8 to 10 mm wire ropes.



Fall Arrester Specifications

Model	SL-810S	SL-820S
Corresponding Fall Protection System	TF-83 / TF-80 / TF-10	TF-83 / TF-80 / TF-10
Rated load	140 kg	140 kg
Max. static load	16 kN	16 kN
Compliant with standard	EN 353-1, ANSI Z359.16, CSA Z259.2.5	EN 353-1, ANSI Z359.16, CSA Z259.2.5
Certification	CE, ETL, OSHA compliant	CE, ETL

