Tender document

Fall Arrest Rail fixed on ceiling

**Pos. XX.XXX : Fall Arrest rail**

The Securail Pro fall arrest lifeline complies with standard EN795: 2012 Type D and technical specification TS16415: 2013. The rail can be used by two users simultaneously between two supports.

The rail is made of anodized 6060 aluminum. Thanks to the surface treatment, the rail can be installed in a marine environment. The Securail Pro can be powder coated in RAL colour upon demand.

The elements of the rail are connected by high-strength junctions in aluminum 6062. These junctions also allow the absorption of the expansion linked to temperature variations.

 At each end of the rail is installed a fixed or retractable end stop.

The rail is certified for a span of 6000mm.

If the users connects retractable fall arresters weighing more than 1.5kg, or if the rail is incorporated into an architectural element, it is advisable to limit the span to 3000mm in order to maximize rigidity and aesthetics.

The maximum deflection in the event of a fall is max. 300mm. The maximum force transmitted to the rail in the event of a fall is 7kN.

The rail can be bent. Standard 90 ° curves have a radius of 450mm. Customized curves are also available on demand.

A Securail Pro trolley with ball bearing slides on the rail. The user must be able to circulate throughout the system without ever disconnecting from it.

An identification plate is installed on each system.

Brand : Fallprotec

Type : Securail Pro

Meters:

**Pos. XX.XXX : Interface de fixation**

The Securail Pro is connected to a fixing bracket by 6062 aluminium fixing nuts.

The fixing bracket is adapted to the type of hoist structure (concrete, steel beams, hot deck roof, corrugated metal roof, standing seam, etc.)

The distance between supports depends on the type of reception structure (fragile or rigid) and the use of the rail. (fall arrest or work support).

The brackets must be non-deformable in the event of a fall. The brackets are either hot-dip galvanized steel or stainless steel.

The offer includes the layout drawings, the supply and installation of the material and the commissioning by a specialized inspection company or a competent person authorized by the manufacturer.

Brand : Fallprotec

Type : Securail Pro

Units:

**Pos. XX.XXX: Personal protective equipment (P.P.E.)**

Cabinet to store the PPE equipment containing:

* 2 harnesses conform to EN361
* 2 lanyards fitted with an energy absorber conform to EN354 and EN355

Or 2 retractable fall arresters complying with EN360

* 4 connectors conform to EN362
* 2 Securrail Pro trolleys conform to EN795 : 2012 Type D

Note: If the overhead lifeline is not easily accessible the trolley and retractable fall arrest device must stay permanently on the system. In that case, the quantities may be higher.

Brand: Fallprotec

Type: Prolight