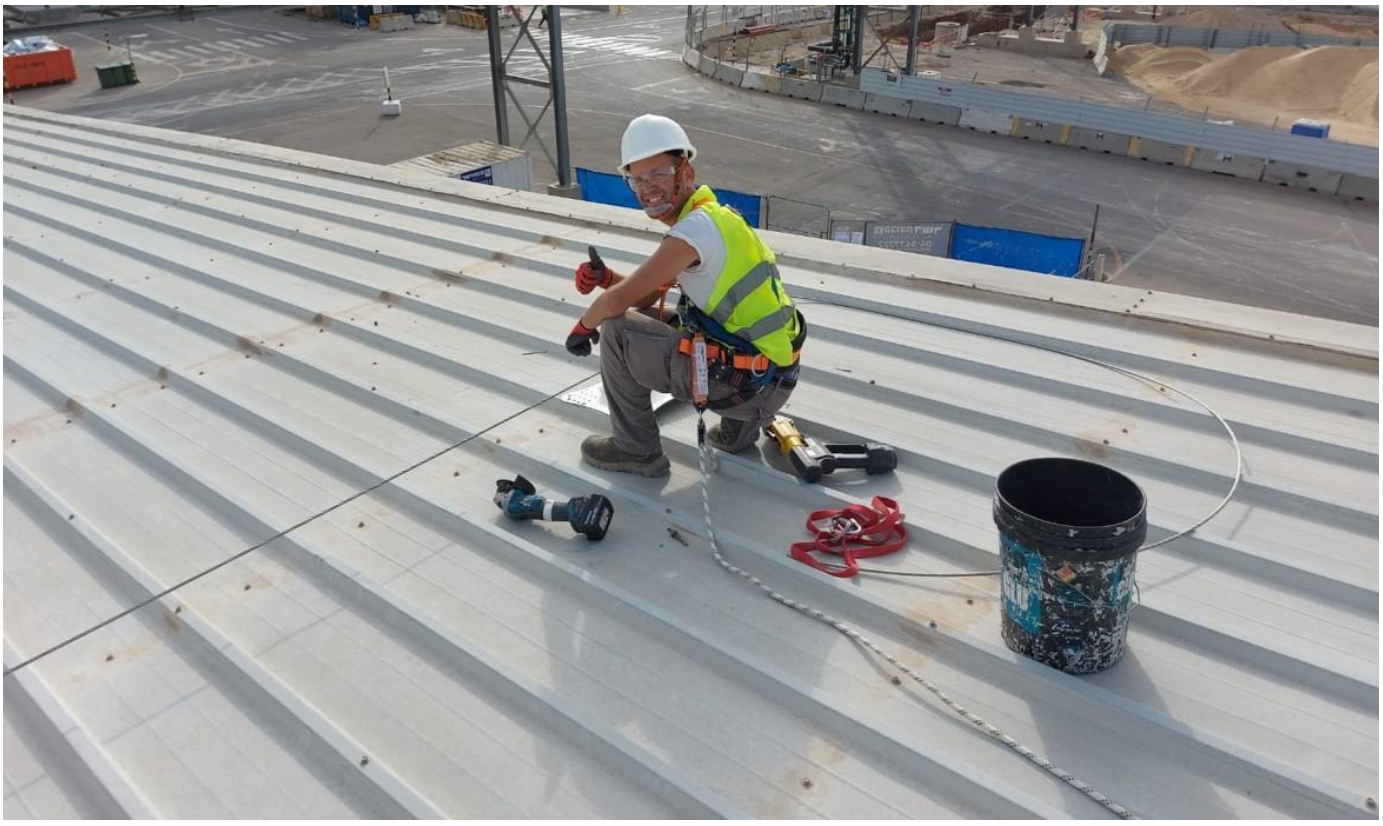
GOVA Anchor For Life

HORIZONTAL LIFE LINE EN 795-C



GOVA Anchor For Life

INSTALLATION INSTRUCTIONS

Contents

GOVA Anchor For Life

1. General Background

GOVA - Anchor For Life is a company that has set itself the goal of being a leader in the field of securing workers at height and anchor points in particular.
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rural delivery hanegev
Tzochar
zip code: 8547500
ISRAEL

G-LINE MODULAR lifeline certified according to EN795:2012-C and CEN / TS16415:2013-C.

G-LINE MODULAR is a lifeline system permanently installed on buildings or other structures, designed to serve as a lifeline anchor for a people performing an operation during which they may be at risk of falling to a depth greater than 2 meters.

The life line system consists of an 8mm stainless steel cable connected to fixed anchors along its length. One or more people can anchor on the line using an anchor ring or trolley depending on the nature of the system and the manufacturer's guidelines – GOVA.

The lifeline system allows the user to move freely to any point without disconnecting from the line and without risk of falling.

The user is harnessed with a safety harness of the EN-361 standard and anchored to a fall arrest or fall prevention security system as required by the Elevation and EN standard work regulations.

The flexible anchor device has been tested and certified by accredited ISO 17025 laboratory.

2. Description

The anchor device type: G-Line Modular System, in the variants: Concrete Line System, Thin roof > 0,4 mm Line System, Thin roof > 0,55mm set with post Line System, Aluminium roof Line System and Steel Line System are intended for protection of individuals against falls from a height.

The variants differ only in the extremity and intermediate anchors. All other components are identical.

Up to a maximum of four people can be secured against falls from a height to the anchor line between two brackets. The installation of the anchor device is carried out on suitable substrates with sufficient strength.

The corrosion-resistant anchor line made of wire-rope (Dia 8mm, variant 7 x 19) is mounted to a tensioner with an absorber at the one end. The ends of the anchor line are fixed to the extremity anchors by connection plates and end brackets.

On the anchor line there runs the mobile anchor point, type; SLIDER. The mobile anchor point is equipped with a connector according to EN 362, in the form of a carabiner, to enable the connection of the further personal protective equipment of the user. The mobile anchor point can be removed from the anchor line by two independent hand moves. For this the connector has to be removed. It is not possible for the user to override the ends of the anchor line because these are closed by the tensioner and the end brackets. On the running length of the anchor line intermediate brackets can be mounted on the structure for support. Additional 90 degree corner anchors can be installed.

The anchor device is intended for loading in all directions parallel to the structure and consists of corrosion resistant material.

The initial tension of the wire rope anchor line is between 0.7 kN < 1.3 KN

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3. G-Line Modular Systems

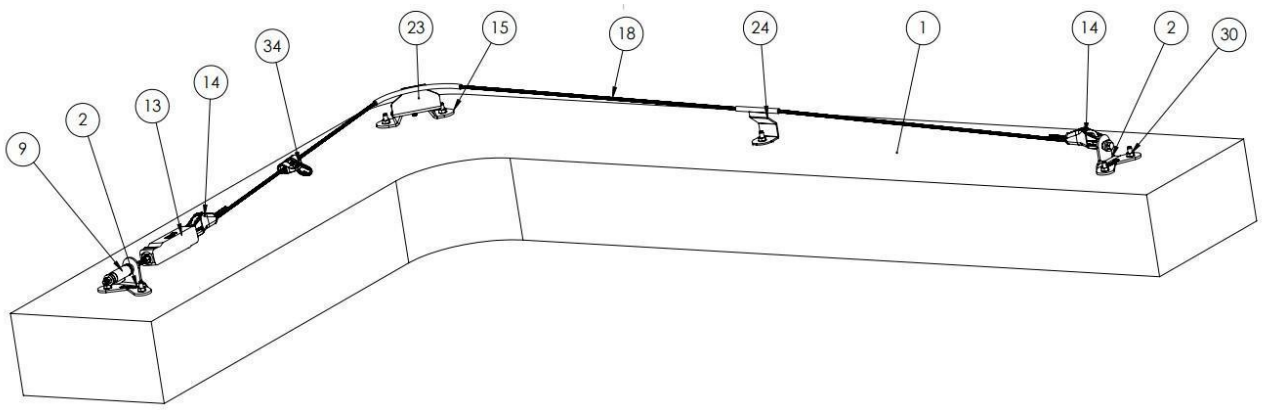


Figure: G-Line Modular Systems

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	concret block	concrete	1
2	end anchor 1	stainless steel 316	2
9	tensioner	stainless steel 316 / 304	1
13	energy ABSORBER	stainless steel 316	1
14	WIRE-GRIP	stainless steel 316	2
15	end anchor 4	stainless steel 316	1
18	wire rope 8 mm 7/19	stainless steel 316	1
23	90 degrees anchor	stainless steel 316	1
24	intermidiet anchor 1	stainless steel 316	1
30	bolt M12	Galvanized steel	7
34	slider	stainless steel 316	1

Table 1: G-Line Modular Systems Items Description

3.1. Concrete

Figure: 3D Representation of G-Line Modular Systems on concrete

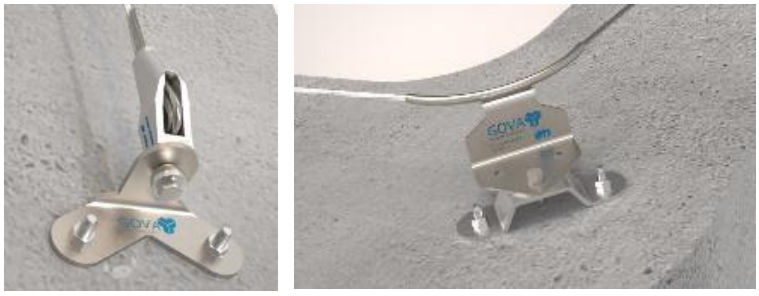


Figure: Two wedge anchor M12 for concrete , with edge anchors and a 90 degree anchor

Spacing between Anchorage Points is 2 > 15 meters

For 4 x users

Spacing between Anchorage Points is 2 > 20 meters
(Only straight line & 2 End Absorbers)

For 2 x users

3.2. Thin Roof

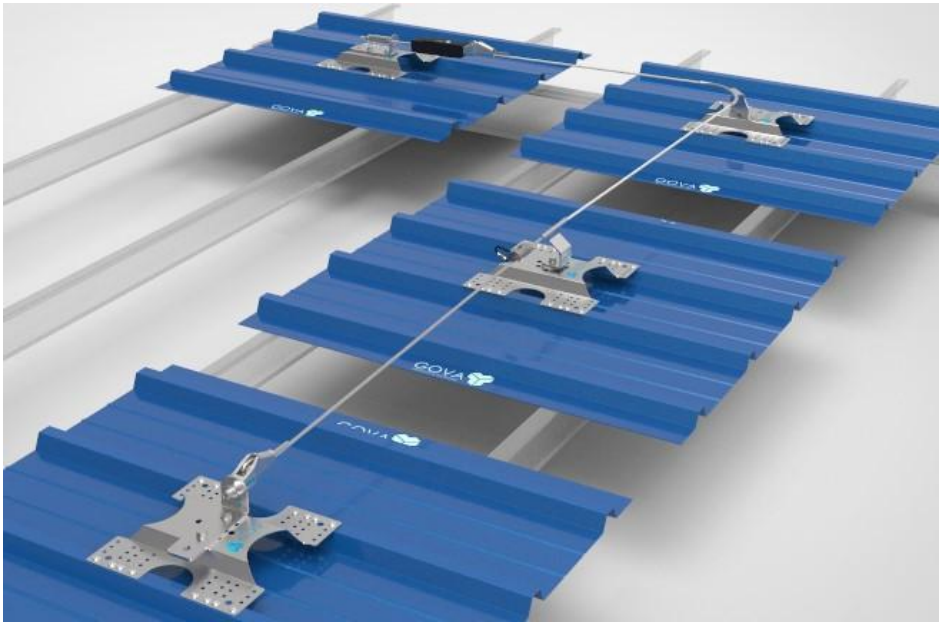
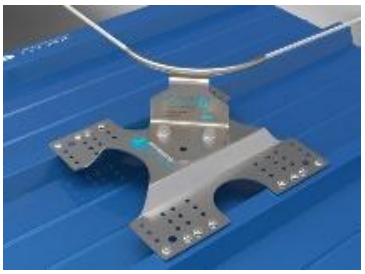


Figure: 3D Representation of G-Line Modular Systems on Thin Roof



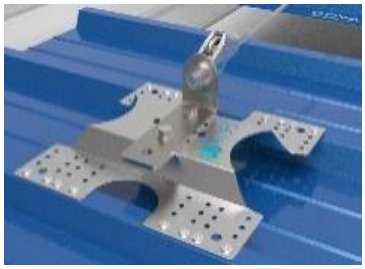


Figure: Two anchor bolts for edge anchors and a 90 degree anchor

Figure: rivets x 16 for Roof Sheet Anchor

Spacing between Anchorage Points is 2 > 12 meters

For Thin roof 0.5mm 2 x users

If the system has corner posts, the maximum field length is 9.5 m next to the corner posts & 2 End Absorbers

3.3. Thin Roof Set With Post

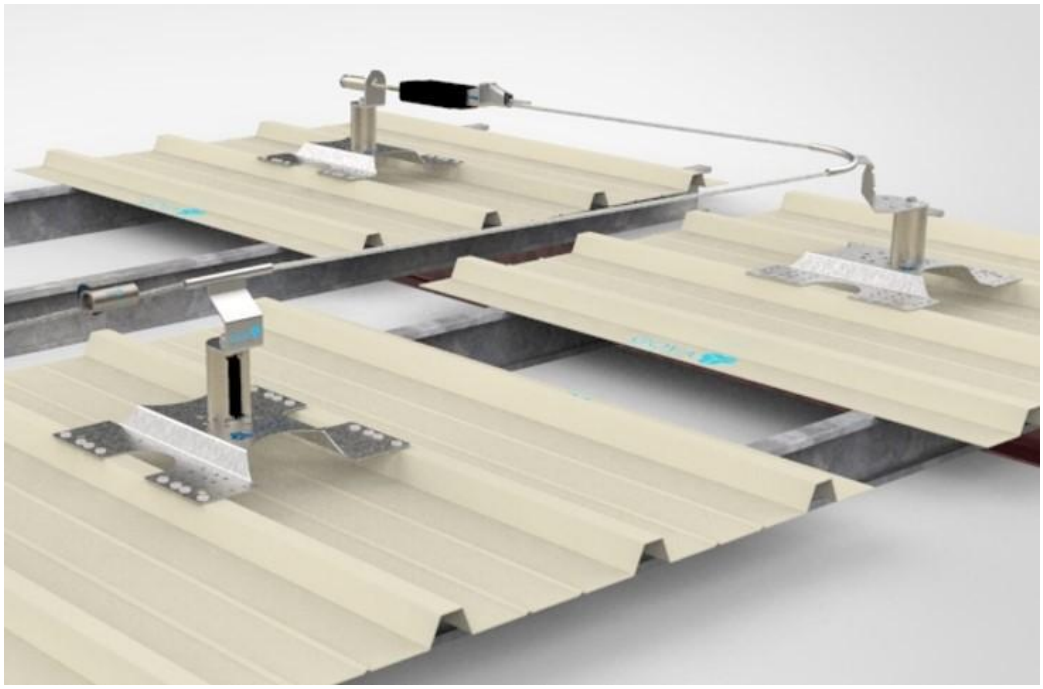
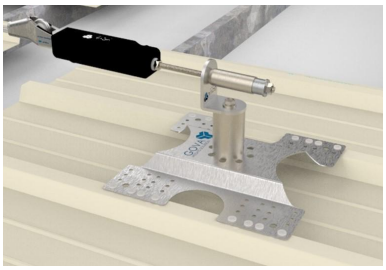


Figure: 3D Representation of G-Line Modular Systems on Thin Roof Set with Post



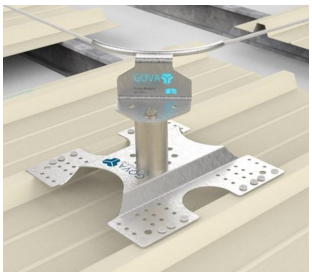


Figure: one page for edge anchor and a 90 degree anchor

Figure: rivets x 16 for Roof Sheet Anchor

Spacing between Anchorage Points is 2 > 10 meters
(Only straight line & 2 End Absorbers)

For Thin roof set with post 0.5mm > 2 x users

3.4. Lightweight Tin Roof Folded

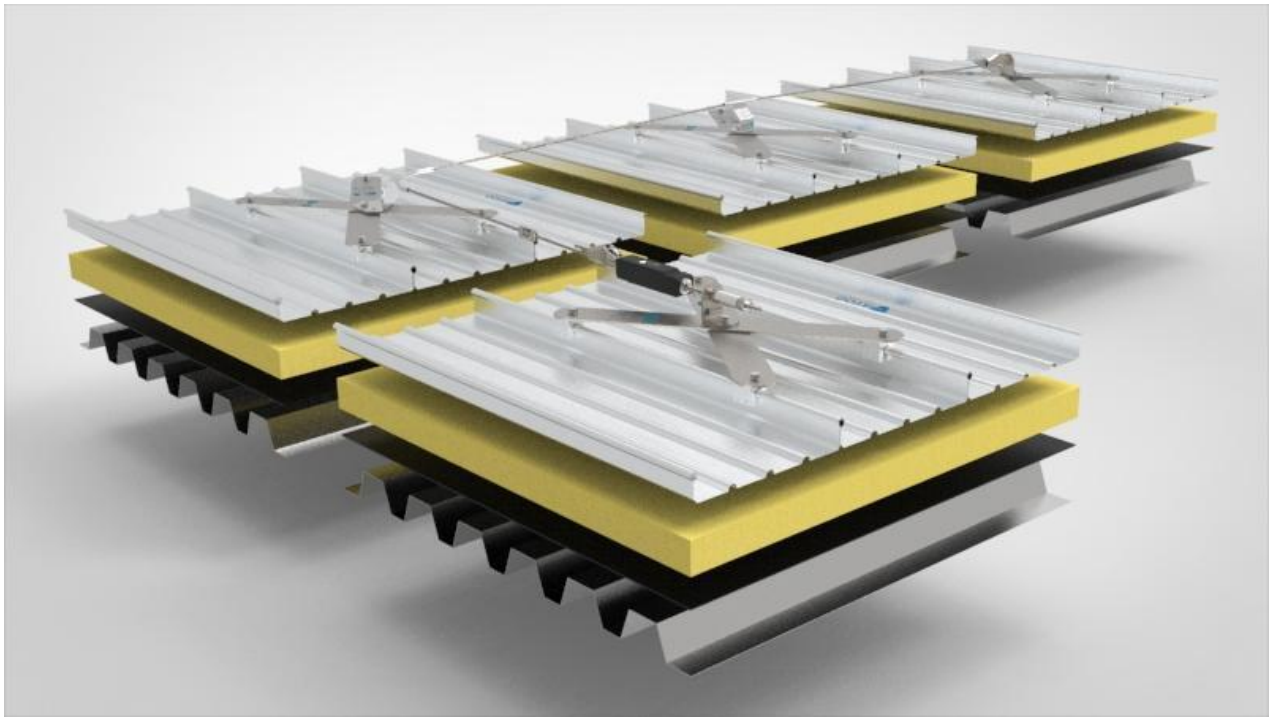
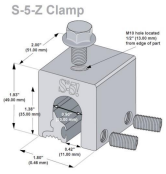


Figure: 3D Representation of G-Line Modular Systems on Lightweight Tin Roof Folded



In 5s-z use Torque Wrench to tighten the screws at a force of 13 NM

Spacing between Anchorage Points is 2 > 15 meters

For Lightweight tin roof folded 2 x users

3.5. steel

Figure: 3D Representation of G-Line Modular Systems on steel

Spacing between Anchorage Points is 2 > 15 meters

For 4 x users

Spacing between Anchorage Points is 2 > 20 meters
(Only straight line & 2 End Absorbers)

For 2 x users

4. General guidelines for installation

The G-Line Modular system can only be installed by an installer or organization that has been trained and certified by GOVA.
Installation calculations will be done using a G-line modular calculation table, depending on the structure on which the system will be installed.
The installation will be done in accordance with the "Altitude Work Law" and the installation manual of GOVA, for G-line Modular.
The system will be installed so that the user has easy access to a lifeline system.
The installer will install the lifeline system so that when a worker falls, the cable will not hit sharp corners or cause any damage to it.
The cable direction must not exceed 15 degrees vertically or horizontally from the anchor.
The height of the fall and the shock absorption of the user should be less than the available space to ensure its safety.

5. Warranty

The system is made of high quality stainless steel, and is designed for use in outdoor weather conditions for 20 years, in any case approval of the system according to a document will be given after a periodic inspection once a year by a qualified person trained by the manufacturer (recommended engineer).
Who is also aware of the changing conditions and damages that can be to the structure on which the life line system is installed such as corrosion, softening of the concrete and wear and tear of the material.

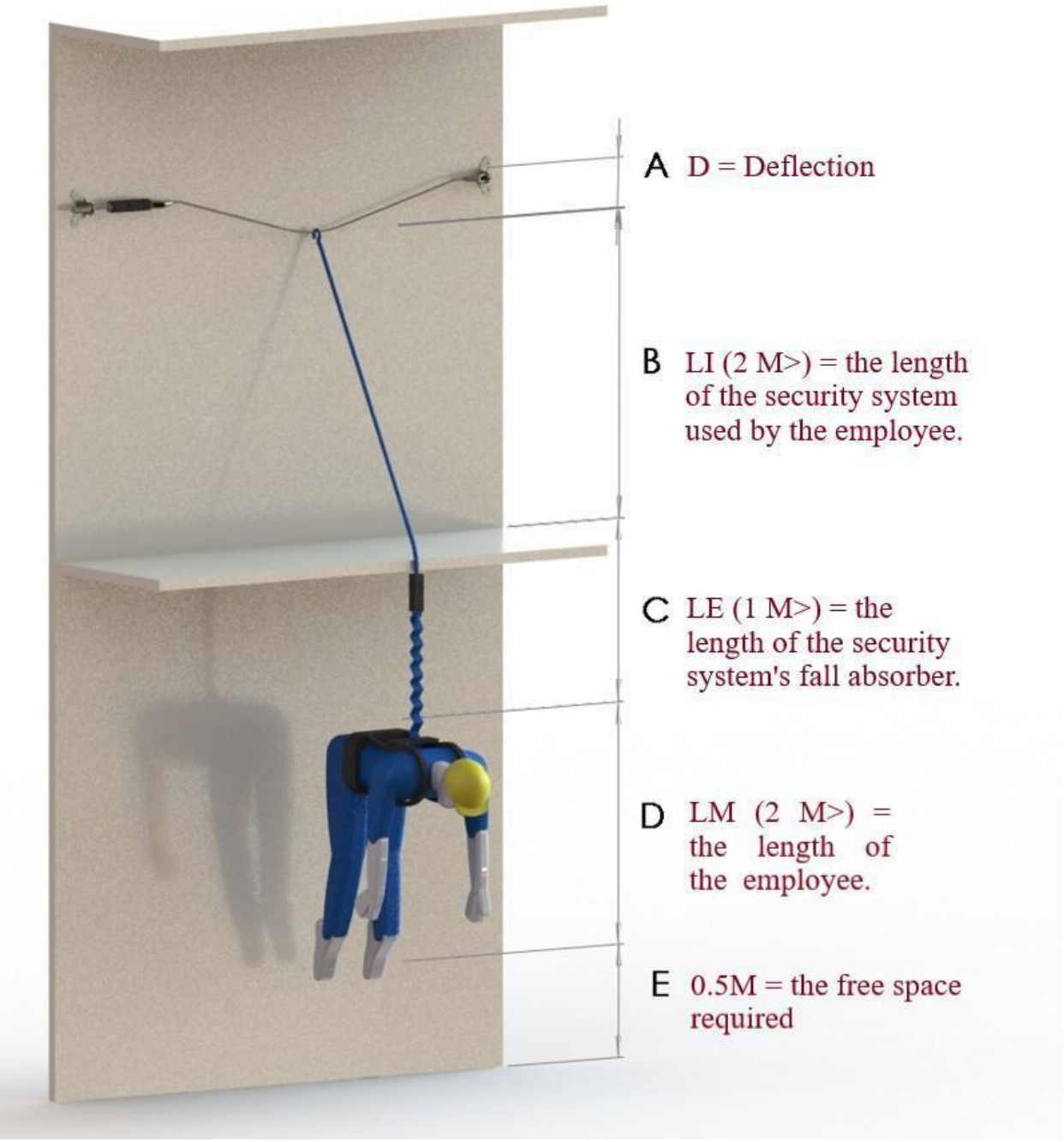


Figure: Height of the Fall Parameters

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6. The Structure on Which G-Line Modular is Installed

The G-LINE MODULAR system can only be installed on a surface which is engineering-approved and its constructive forces ascertained.

Make sure that the roofing material is in proper condition, e.g. the roof concrete is not too old and crisp, and the roof sheet material is not rusty and unstable.

Under the Israel Altitude Work Law, the system must be approved by a registered and licensed qualified engineer.

7. Personal Protective Equipment

retractable type fall arrester

EN-360

energy absorber with lanyard

EN-355

type fall arrester on flexible anchorage line for vertical operation

EN-353-2

harness with dorsal and front anchorage point.

EN-361

8. User Requirements

Employee health is in good working order.
Certificate of work at altitude, with guidance on the job description.
Proper and standard equipment must be used for height work.
Fully determine the number of people who are allowed to connect, according to existing signage in a lifeline.