

PROTECTION NETS & CANOPIES

NETS

MAXIMUM SECURITY FOR THE WORKERS

The protection nets are adaptable to any building and provide maximum safety to people against possible falls.

They are installed in our "T-Tray System", the first to pass the Resistance Tests of the European Standard EN 1263-1.

INCORPORATION OF PIONEERING AND ADVANCED RESEARCH METHODS

We are the first manufacturer to develop a Program of Experimental Tests with High Technology Dummies on Safety Net Systems against falls from height, in order to analyze the safety level of our protection nets evaluating their protection action to workers, thus obtaining criteria of damage to the human body.



BENEFITS

Thanks to the flexibility and elasticity of the system, the net, upon receiving an impact, forms a collection bag around the mass, cushioning its fall.

Its compact assembly and overlap provides great strength at the junction point of the modules, this being one of the highest risk of any system.

The clamp support of our protection nets does not need external elements to its own structure for the assembly and it requires only an anchor point in its fixation, by means of a clamping spindle with a claw on a plate and metal studs that make it impossible to rotate and slide the set, achieving greater safety and significant savings in labor during installation.

Our protection nets are ideal for the protection of single-family houses, since in most cases they do not require locations after their installation on the first floor.

TECHNICAL FEATURES

MODULES

Dimensions: 3x4,5 m and 3x6 m.
3 m overhang to cover 6 m in height.
Possibility of manual or crane assembly.

CLAMP SUPPORT

It is necessary that the slab is set.
Opening from 150 to 800 mm.
Entrance height to the slab of 325 mm.

ARM

With 2 positions:

- Vertical: assembly or plant enclosure.
- Horizontal: protection.

NET

Polyamide 6 ht Industrial, 75 mm mesh to the frame and in class B2 of 4.4 kJ EN 1263-1; this composition is essential for the assembly to react with the appropriate behavior.

CANOPIES

MAXIMUM SAFETY FOR VIANDERS

The protection canopies are designed to prevent and retain the fall of materials, avoiding the risk of impact on people who circulate near the building, protecting them against possible accidents.

Robust clamping by clamp support, common to our "Tray T System" for Safety Nets. The same component is used for two different applications, which means a rationalization of stocks.

- The arm of the protection canopy has an outward overhang of 2,5 m.
- Possibility of manual or crane assembly.
- The distance between the clamp support will depend on the material used for the coating, due to its resistance, usually wood and veneer. A maximum separation of 2 m between the two is recommended.



Tray T System

Measurements and results obtained in the tests

	1st Test	2nd Test
HIC - Head damage criterion	- 80%	- 75%
Resulting head slowdown	- 47%	- 31%
Neck bending moment	- 37%	- 90%
Neck extension moment	- 65%	- 24%
Resulting deceleration in thorax	From - 41% to -55%	From - 63% to -72%
Neck shear force	-44%	-85%

The results of the measurements in these Crash Tests are very favorable, **since values ranging from -24% to -90% have been obtained, being below the limits established** in the Automotive Regulations used for damage criteria.