

## FALL ARRESTER

### EN353-1 :

A fall arrester on rigid anchor line is a device that automatically blocks and stops on the vertical support when the user falls. The anchor line can be a cable (straight) or rail. Breaking strength of these systems > 15 kN.

### EN353-2 :

A fall arrester on flexible anchor line is a device that automatically blocks and stops on the vertical support when the user falls. The anchor line can be a cable or a rope (twisted or braided). These flexible anchor lines must be weighted with a counterweight. Breaking strength of these systems > 15 kN.

### EN360 :

A retractable fall arrester is a device equipped with a lanyard (on cable or webbing) kept in tension. It follows the movements of user. The system blocks and stops automatically when the user falls. These come in different lengths. Breaking strength > 12 kN (for cable lanyard) or > 15kN (for textile lanyard)

Whatever the anti-fall system is chosen (fall arrester on anchor, retractable type fall arrester, energy absorbing lanyard) it guarantees a fall arrest by limiting the impact on the human body at **6kN** maxi



#### Use:

It is used only in a job that requires significant amplitude of movements.



#### Trades:

The fall arrester on anchor line are mainly used for the following professions: works on pylons, Works on rock wall, works on lifts, window cleaner, rope access, rescue, roofer, roofing felt fixer, telecommunication, maintenance. The retractable fall arrester are used instead for the following professions: Works on facade, on the terrace, on scaffolding, on aerial lift, and maintenance.

### How to choice ?

The choice of the fall arrest system must be based on the movement to perform. Obviously for the choice of the fall arrest system, the position of the anchor point must be considered (see page 48).

If the movement is purely vertical (along a scale for example) we always favour a fall arrester on anchor line. They have the advantage of being installed (for some) permanently on the structure.

If the movement can be horizontal & vertical we will prefer a retractable fall arrester. It's the fall arrest system that brings greatest freedom of movements.

The fall arrester on anchor line must always be used directly below the anchor point.

The retractable fall arresters are ideal for work of low-rise because the blockage is almost instantaneous, limiting the required clearance (see page 30).

For the work on an inclined plane with fall arrester on anchor line, it is necessary that it be equipped with a manual locking system.