

## Elevator - Parachute - safety with overspeed

### DESCRIPTION

- Under system PARACHUTE makes it possible to carry out the principal modernization and maintenance actions of the parachutes of elevator
- The System is delivered complete, with teaching handbook and technical file
- Industrial Material
- Teaching concerned: Maintenance and Formations asensorists

### UTILITIES

- Electricity: 400 VAC tri – 50/60Hz
- Volume of the installation L X L X H = 2500 X 1200 X 3500 mm (useful total volume with opening of the doors = 3500 \* 2500 \* 3500)
- Weight: approximately 600 kg



### TEACHING APPLICATIONS

Assembly/disassembling of system parachute and limiting device speed for operations of modernization

Replacement of cable

Functional check of a parachute 1 feel or 2 directions

Rearmament of the system after blocking

Modernization: replacement of the limiting device + parachute 1 feel by double limiting device feel

Maintenance: replacement of cable

Rearmament of the system after replacement of the cable

## Presentation of the system:

### - **Operative Part:**

- sheath made up of a metal structure of section 1080 mm x 930 mm x 3500 mm
- cabin of dimension 400 mm x 750 mm x 700 mm and counterweight out of sheath of 80kg approximately
- the rate of travel is of approximately 0.5 m/s
- winch of elevator with asynchronous motor (4 CV minis.) and brake
- limps of recall
- characterization supplements out of anodic aluminum and transparent polycarbonate
- access to the sheath by 3 large doors (H \* l=3000 \* 1000) made safe by contacts of safety
- 2 roller sensors + cam for management of the decelerations

### - **Electric Box of integral piloting:**

- 1 disconnecting switch tétra
- circuit breakers + differential
- 1 automat allowing to manage the cycles of acceleration and deceleration of the system
- 1 variator of frequency
- button manufacture of order as well as a potentiometer multitour for speed regulation of instruction
- bill-poster speed LCD

### → associated teaching activities

- adjustment speeds of release of the limitings device
- replacement of the cable of the limiting device and rearmament of the safety device
- test of the correct operation of the parachutes
- mechanical unlocking and winding on the security chains after blocking of the parachute

### - **Material for teaching activities:**

- Limiting device speed 1 feel
- Limiting device speed 2 feel
- Simple Parachute 1 direction with actuation by lever on roof of cabin
- Parachute 2 feel with direct actuation and profile arises for control of deceleration in phase of blocking
- 2 tensioners with safety with the rupture of cable of limiting device

### - **kits construction (in option):**

- limiting device speed with associated file solidworks

**... for more information, consult us!**