

Electric Rope Hoist

Lifting Equipment Ltd



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MISIA series M electric rope hoists are available in the following four standard versions:

- **Version S2 with 2 Rope falls** for capacities from 800kg to 10,000kg "**supported**" or "**suspended**";
- **Version S4 with 4 Rope falls** for capacities from 1600kg to 20,000kg "**supported**" or "**suspended**", and for capacities from 20,000kg to 40,000kg "**supported**" only.

STANDARD CONFIGURATIONS TYPE 53-53C1-83-3

Hoist with supported
double rail trolley.



Hoist with suspended
double rail trolley.



Hoist with monorail, low
headroom trolley.



Hoist with monorail,
standard headroom
trolley.



Gearbox(1)

The 2 or 3-stage planetary gear reduces the speed of the electric motor to the RPM necessary for the drum.

All gears of the planetary gear are made of heat-treated high quality steel.

Electric brake motor(2)

Three-phase asynchronous 1 or 2-speed motor with cone rotor and integrated cone brake driven by a coil spring.

The brake release is due to the sliding of the rotor after switching-on of the power supply.

Rope guide (3)

The rope guide basically consists of two parts: a guide ring and a pressure spring that properly guide the rope on the drum grooves.

The guide ring maintains the rope in position during the incoiling, preventing it coming-off the groove and, when the load oscillates, is guided by a fixed bar and runs on bearings.

Load limiter (4)

All "M" series hoists with 2 and 4 rope falls are equipped with a load limiter with 3 reaction thresholds.

The load limiter consists of an



electric-mechanical system with pre-set springs acting on two micro switches stop all movements, exception made for the lowering of the load.
The first threshold activates a WARNING, the 2nd stops the function.

Low headroom trolleys (5)

Low headroom trolleys are equipped with 2 travel units, consisting of planetary gears with double speed brake motors directly flanged to the wheels, therefore without external teeth.

(1) End Carriages



General features Assembling Single girder version Double girder version Choice



(2) Drive Units

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01384 76961