

## ELECTRIC WIRE ROPE HOISTS

### 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



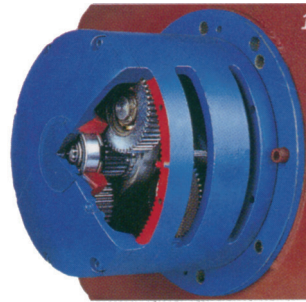
#### Hoist with monorail, standard headroom trolley



#### Gearbox (1)

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

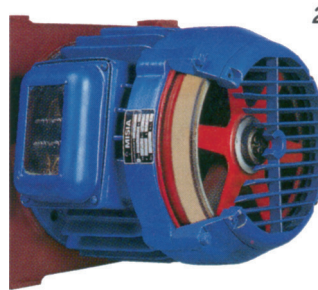
All gears of the planetary gear are made of heat-treated high quality steel.



#### 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.

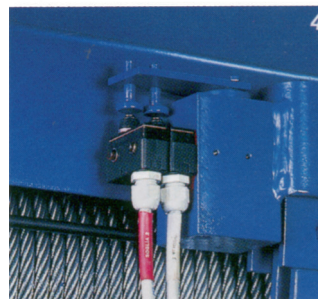
The guide ring maintains the rope in position during the uncoiling, preventing it coming-off the groove and, when the load oscillates, is guided by a fixed bar and runs on bearings.



#### Load limiter (4)

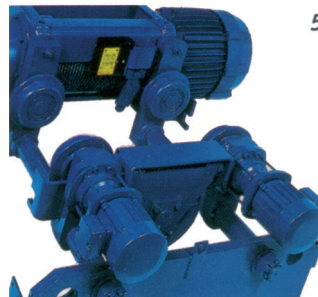
All "M" series hoists with 2 and 4 rope falls are equipped with a load limiter with 2 reaction thresholds. The load limiter consists of an electric-mechanical system with pre-set springs acting on two microswitches located in the auxiliary circuit.

These microswitches 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.



## EWR HOISTS

### Electric Wire Rope Hoists

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