

HANDLING EQUIPMENT

MZ 3,2t.P and MZ 3,2t.H

(for ZD 24 – profile I155)

Use and description:

Handling equipment **MZ 3,2t.P** and **MZ 3,2t.H** is intended for lifting and lowering of the load up to do 3.2t and transport it on the monorail transport system profile I 155 in areas with potentially explosive atmospheres, on the workplaces, where the working medium with required characteristics is available.

The handling equipment consists of the planetary pulley block driven by the motor, which is integrated into the carrying trolley. The motor shaft torque is transmitted to the chain wheel through the planetary gearbox. The stable position of the load is ensured by the self acting lamella brake in the motor, which holds the load also in case that the delivery of the working medium is interrupted. The safe lowering of the load on the condition of the interrupted feeding of the working medium is done through slowly tightening of the nut M8 on the motor front side. Load bearing part is the high strength link chain with a hook of the corresponding loading capacity equipped with the safety latch. Not loaded chain part is located in the storage box.

The control (lifting – lowering) is done with the controller (product of the KOEXPRO OSTRAVA, a.s. company) situated in the safe area for the operator. The controller is integrated into the handling equipment distribution system and it is the integral part of the equipment. The controller can be located on the place as a set with other devices for controlling all individual parts of the working group.



MZ 3,2t.P

Characteristics

Type		MZ 3,2t.P	MZ 3,2t.H
Loading capacity	t	3.2	3.2
Standard working lift	mm	min. 3 000	min. 3 000
Min. lifting speed	m.min ⁻¹	1	1
Max. rout inclination	°	range ± 20	range ± 20
Load chain	DIN 5684	11x31	11x31
Working medium		pressure air filtrated, lubricated	hydraulic liquid having a viscosity of 46 mm ² .s ⁻¹ at 40°C
Working medium pressure	MPa	0.3 ÷ 0.6	max. 16
Weight	kg	112.5	124.5

Type marking:

MZ 3,2t.P, MZ3,2t.H
 MZ HANDLING EQUIPMENT
 3,2t loading capacity
 P pneumatic
 H hydraulic

The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC-ATEX of the European Parliament and of the Council and meets the requirements for using in areas "hazardous atmospheric conditions 2" according to EN 1127-2+A1 on condition that all national regulations of the employer are fulfilled.



Handlin equipment operated on underground workplace