

HYDRAULIC HANDLING EQUIPMENT

MZH 1/3t, MZH 2/4t

(for monorail system 24 – profile I155)

Use and description:

Hydraulic handling equipment type **MZH** (hereinafter only handling equipment) is a lifting equipment equipped with a hanger for connecting with a carrying trolley (pin, eye) going on the monorail system profile. It has been designed and constructed for lifting loads on mine underground workplaces (especially with potentially explosive atmospheres) or on workplaces, where the pressure hydraulic oil with necessary characteristics is available.

The handling equipment consists of the planetary chain block with necessary loading capacity driven by the planetary hydraulic motor equipped with a parking brake ensuring the load at any position on the lifting distance. The torque moment is transmitted from the motor shaft on the chain pulley through planetary gear. The high strength ling chain is the loading part and this is equipped with a hook with corresponding loading capacity and with a safety latch.

The control (lifting, lowering) is through the hydraulic controller (e.g type JOH, product of the KOEXPRO OSTRAVA, a.s. company) hanged in the operator's safe position.

Hoses DN 8 with connecting parts DKOL M 16x1.5 are use for connecting the driving unit and hydraulic controller. The hoses are not delivered together with the handling equipment.



MZH 2/4t

Characteristics:

Type		MZH 1/3t	MZH 2/4t
Loading capacity	t	3	4
Nominal lift	m	3	3
Number of load strands		1	2
Min. lifting speed	m.min ⁻¹	1.68	0.90
Load chain	DIN 5684	11x31	11x31
Working medium pressure	MPa	16	16
Flow rate	dm ³ .min ⁻¹	20 ÷ 40	20 ÷ 40
Filtration	µm	25	25
Dimension of ports		DKOL M16x1,5	DKOL M16x1,5
L min.	mm	600	732
Weight	kg	60.0	72.0
Working medium		hydraulic liquid having a viscosity of 46 mm ² .s ⁻¹ at 40°C	

Type marking:

	MZH 1/3t, 2/4t
MZH	HYDRAULIC HANDLING EQUIPMENT
1/2	single chain pulley block / double chain pulley block
3t/4t	loading capacity

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.