

## HYDRAULIC HANDLING EQUIPMENT

### type MZH 1/3t, MZH 2/5t

#### Use and description:

Hydraulic handling equipment type **MZH** (hereinafter only handling equipment) is a portable lifting equipment used for vertical handling with loads in mine working conditions (especially in potentially explosive atmospheres), or in workplaces, where the pressure oil source with required characteristics is available.

The handling equipment consists of planetary chain pulley block with required loading capacity driven with orbital hydraulic motor equipped with parking brake securing the load in any position along a lifting way. Torque on the motor shaft is transmitted on the chain pulley through planetary gearing. A high strength chain is a load part. It is equipped with a hook with safety latch.

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

Hoses DN 8 with connections DKOL M 16x1.50 are the connection between the drive unit and control box. Hoses do not belong to the equipment delivery.



MZH 1/3t

#### Characteristics:

Type		MZH 1/3t	MZH 2/5t
Loading capacity	t	3	5
Nominal lift	m	3	3
Number of load strands		1	2
Min. lifting velocity	m.min <sup>-1</sup>	1.68	0.90
Load chain	DIN 5684	11x31	11x31
Working medium pressure	MPa	16	16
Flow rate	dm <sup>3</sup> .min <sup>-1</sup>	20 ÷ 40	20 ÷ 40
Filtration	µm	25	25
Input opening ID		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 <sup>2</sup> .s <sup>-1</sup> at 40°C	

Type marking:

**MZH 1/3t, 2/5t**

MZH    HYDRAULIC HANDLING EQUIPMENT  
 1/2    one chain/two chain pulley block  
 3t/5t   loading capacity

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

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