

PNEUMATIC HANDLING EQUIPMENT

MZP 1/3,2t, MZP 2/4t

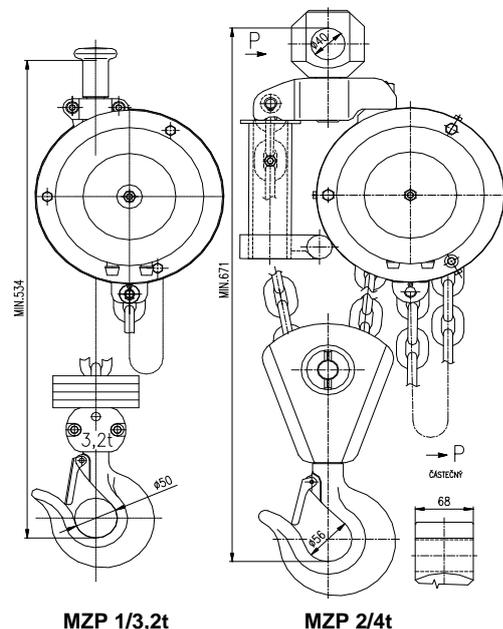
(for monorail system 24 – profile I155)

Use and description:

Pneumatic handling equipment type **MZP** (hereinafter only handling equipment) is lifting equipment, which is equipped with a hanger for hanging it on the carrying trolley (pin, eye) travelling on the monorail system profile. It is used for vertical handling of loads in mine underground workplaces (especially in potentially explosive atmospheres) or on workplaces, where the pressure air source with necessary parameters is available.

Handling equipment consists of planetary chain pulley block (with a hanger) driven with pneumatic vane motor. The torque moment is transmitted from the motor shaft on the chain-driving sprocket through the planetary gear. The load is secured in the stable position self-acting lamella brake inside the motor, which is able to keep the load even in case of interrupted of pressure air feeding. Lowering the load in case of pressure air feeding interruption is done through step by step tightening the nut M8 on the motor front side. The load chain is the high strength link chain equipped with the hook with a safety latch..

The control (lofting – lowering) is through pneumatic controller (e.g. type JOP, which is manufactured by the KOEXPRO OSTRAVA, a.s. company, hanged in the operator's safe position.



MZP 1/3,2t

MZP 2/4t

Characteristics:

Type		MZP 1/3,2t	MZP 2/4t
Loading capacity	t	3.2	4
Nominal lift	m	3	3
Number of loading strands		1	2
Min. lifting velocity	m.min ⁻¹	1	0.90
Load chain	DIN 5684	11x31	11x31
Working medium pressure	MPa	0.4 ÷ 0.6	0.4 ÷ 0.6
Air consumption at idle running	m ³ .min ⁻¹	3.7	3.7
Filtration	µm	55	55
Hose ID	mm	16	16
Weight	kg	48.0	65.0

Type marking:

MZP 1/3,2t, 2/4t
 MZP PNEUMATIC HANDLING EQUIPMENT
 1/2 Single chain pulley block / twin chain pulley block
 3,2t/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 employer's regulations are fulfilled