

STATIONARY HYDRAULIC LIFTING EQUIPMENT SZZH 5/1

Use and description:

Stationary hydraulic lifting equipment **SZZH 5/1** (hereinafter only stationary lifting equipment) is used for handling (lifting and lowering) of mine monorail crabs during transferring them on other separate monorail transport system with profile **I 155**. Using this equipment, lifting or lowering other loads is possible, e.g. long materials on carrying trolleys during transloading operations from the mine rail transport system on the monorail system or vice versa.

The stationary hydraulic lifting equipment consist of a steel frame structure, of one section of monorail transport system I 155 – steady and movable, linear hydraulic motor, high strength link chains, arresting mechanism and of hydraulic distribution system with control device.

The stationary lifting equipment must be connected to the pressure medium source – water- oil emulsion or hydraulic oil with corresponding characteristics (e.g. hydraulic aggregate HAK – product of the KOEXPRO OSTRAVA, a.s. company).



Characteristics:

Type		SZZH 5/1
Loading capacity	t	5
Max. lift	m	2
Lifting velocity (HV 125/63 x 1000)	m.s ⁻¹	0.1
Working medium	emulsion HFA with min. 2 ÷3% concentration or hydraulic liquid having a viscosity of 46 mm ² .s ⁻¹ at 40°C	
Working medium max./operation pressure	MPa	20/16
Hydr. circuit flow rate	dm ³ .min ⁻¹	60
Filtration of working medium	µm	50
Max. dimensions (w x h x l)	mm	890x925x6 860
Weight	kg	2 330.0

Type marking:

SZZH 5/1
SZZH STATIONARY HYDR. LIFTING EQUIPMENT
5/1 special use, loading capacity 5t

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.