

## MONORAIL PULLING CRABS TKH 12

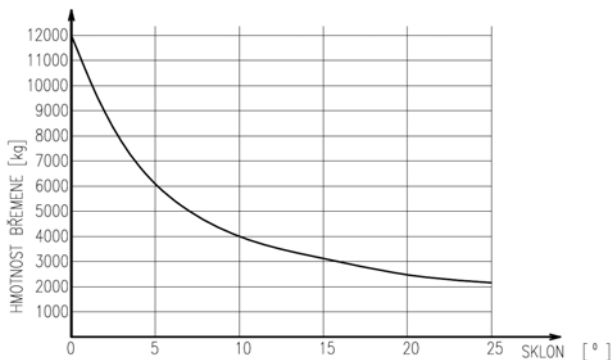
### Use and description:

Hydraulic monorail pulling crab **TKH 12** (hereinafter only crab) is a tractive equipment with hydraulic drive intended for handling with loads hanged on the carrying trolleys of the monorail transport system profile I 155. It is used especially for auxiliary handling operations, e.g. during driving the mine openings etc. The travel is induced through driving discs forced to both sides of the I 155 profile web. It is also possible to use the crab as a source of the working liquid for driving auxiliary equipment (e.g. hydraulic handling equipment type MZH) and of handheld hydraulic tools (drills, rectilinear saws, band saws etc.). As a part of the crab there is a hose winding drum for pressure or waste hoses. It is hanged on the connecting rod and equipped with separate hydraulic drive.

The pulling crab is hanged on four carrying discs. Two driving ones are forced with springs to the monorail transport profile web and driven by two hydraulic motors through planetary gearboxes. All crab functions (travel and other) are controlled using the pendant control box, changing the functions (during the travel of the crab the lifting operation and other functions are and otherwise) is made with the control levers of the controllers.

The pulling crab is usually operated in a set – „Travelling hydraulic handling equipment“, which consists of the hydraulically driven pulley block hanged on the carrying trolleys and connected each other with the connecting rods. On the inclined rout sections the set must be braked down with the braking trolley of approved type. Based on the special order it is possible to deliver this equipment also with the corresponding stationary hydraulic aggregate HAK (product of the KOEXPRO OSTRAVA, a.s. company).

### MAX. WEIGHT OF TRASPORTED LOAD WERSUS WAY INCLINATION



TKH 12

### Characteristics:

Type		TKH 12
Pulling force	kN	12
Travel speed – horizontal way	m.min <sup>-1</sup>	24
Hydraulic medium working pressure	MPa	16
Pressure medium	hydraulic liquid having a viscosity of 46 mm <sup>2</sup> .s <sup>-1</sup> at 40°C	
Max. transport inclination	°	20
Dimensions (h x w x l)	mm	760x863x1 238
Weight	kg	815
<b>Hose winding drum</b>		
Max. pressure in hose	MPa	20
Hose inner diameter DN	mm	16
Length of the wound hose	m	2x50 (pressure line/waste line)
<b>Recommended hydraulic aggregate</b>	type	HAK 56/200

Type marking:

**TKH 12**  
 TKH HYDRAULIC MONORAIL PULLING CRAB  
 12 pulling force 12 kN  
 800 max. pulling force 8000 N

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 the valid regulations of the employer are fulfilled.

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## USING OF PMZH 2X3T WITH THE EQUIPMENT FOR DRAWING OF THE DEBRIS FROM THE HEADING ČZF-H01/P3/2012 – product of FITE, A.S. COMPANY

