



# HYDRAULIC TRANSPORT EQUIPMENT TZHK2x5

KL-TZHK2x5

VERSION

VALID FROM

1

17. 08. 2017

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## Description:

Hydraulic transport equipment TZHK2x5, hereinafter referred to as the transport equipment, is a equipment used to transport and handle loads on a single-track suspension track located in the mine section and on the surface in a horizontal plane and in inclinations up to  $\pm 30^\circ$ .

It is recommended to use a suspended locomotive or manipulator of an approved type as a means of traction and at the same time as a source of pressurized oil.

According to Government Regulation No. 116/2016 of Annex No. 1 on conformity assessment of equipment and protective systems intended for use in an environment with a risk of explosion when they are supplied to the market (Directive of the European Parliament and of the Council 2014/34/EU), transport equipment is included in the group I and category M2.

The transport device consists of two frames, a joint, three supporting carriages and a connecting rod carrying a hydraulic switchboard for control and serving to connect to a towing vehicle or train set. The frame consists of a slow-running hydraulic motor with a gearbox and a stationary brake. A chain wheel is inserted between the flange of the hydromotor and the gearbox, with the help of which the lifting chain is set in motion via the guide boat on the supporting ridges. The shuttles, and thus the spacing of the suspension hooks, can be easily changed between 1.2 m and 3.2 m in steps of 0.1 m. The unloaded end of the chain is stored in a storage bag. The hydraulic control is suspended from the connecting rod, outside the hazardous area of the suspended load. The source of the lifting force is hydraulic fluid pressure supplied from an external source.



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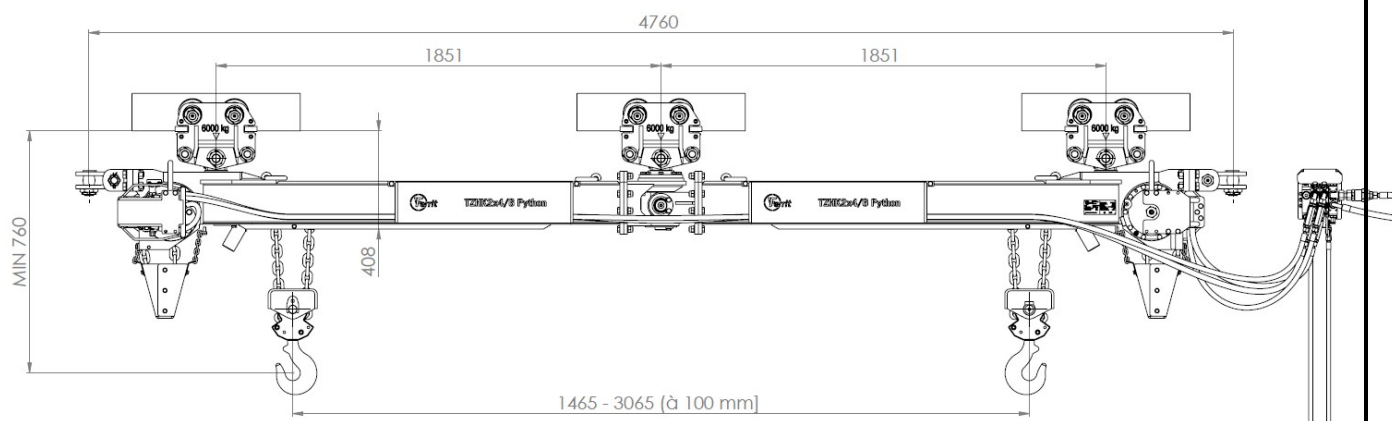
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## Technical parameters:

Description	Units	TZHK2x5
Maximum load capacity	Kg	2x5000=10.000
Lifting chain	-	13 x 36 T8 DIN 5684
Working lift	m	6
Lifting time of 1 meter when the amount of hydraulic oil supplied is 30dm <sup>3</sup> /minute	s	15
Hydraulic oil pressure	MPa	15÷16
Working fluid	-	Hydraulic oil
Minimum amount of hydraulic oil supplied	dm <sup>3</sup> /minute	30
Profile of the suspension rail line		I155
Horizontal curve radius of monorail line, minimum	m	4
Vertical curve radius of monorail line, minimum	m	8
Maximum transport speed	m/s	2,5
Maximum slope angle	°	±30
Maximum traction	kN	120
Weight	kg	1150

## Drawing:



Equipment catalog is for general description only and we will produce according to customer's detailed requirements