



MINING ROPEWAY FOR PERSONAL TRANSPORT DLDOXF-XX

KL - DLDOXF-XX - EN

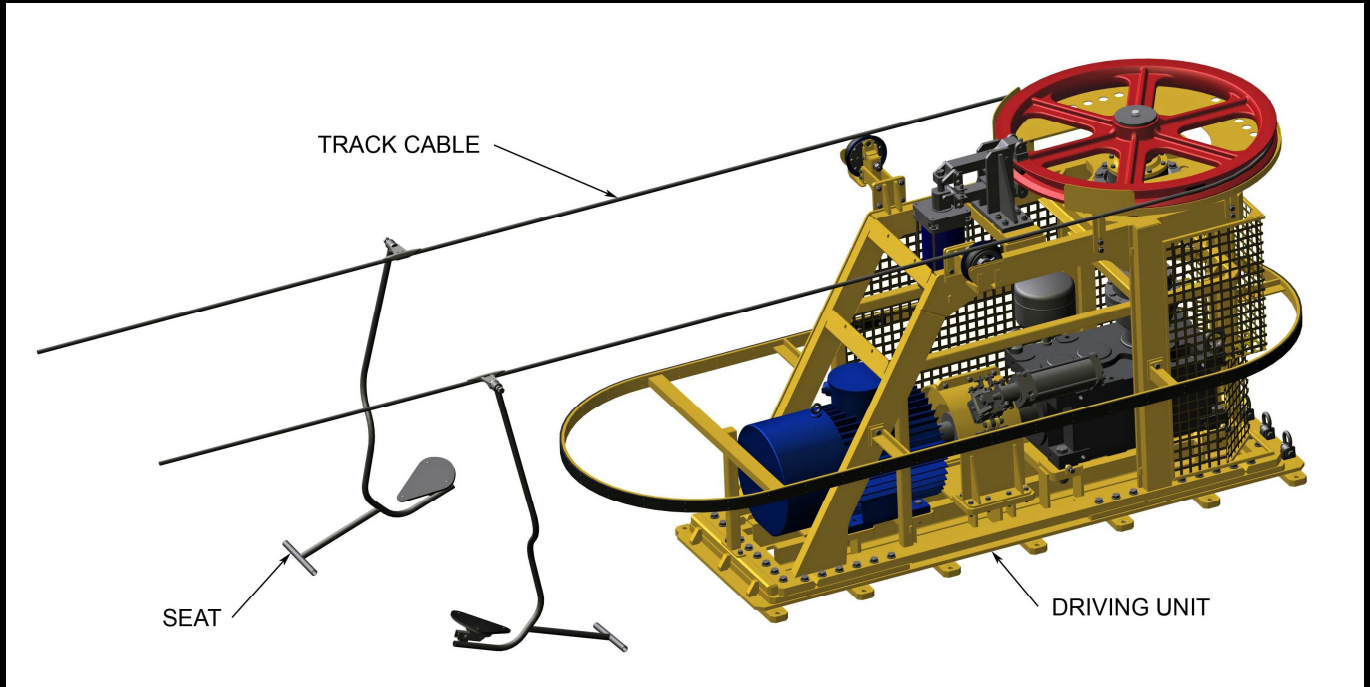
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Description:

Mining ropeway for personal transport is determined for dual parallel transport of workers in direct mining lots with balanced, eventually also variable dip. Max local dip cannot be more than $0 \div 40^\circ$. Passenger-carriage railway can be used only if in the mining lot if is not operating also any other transport equipment.

Mining ropeway for personal transport is intended for carrying workers sitting on a seat fixed to a transport suspension pulled never ending cable from a final station to a divide station, eventually final station. Maximal transport speed is 1,4 m/s. Mining ropeway for personal transport is defined with easy construction with horizontally placed cables reels, which one is driving and other on opposite finish returnable and also tension. Fixed connection set carrier with cable allow cope with considerable dips without danger of slipping. With aspect of fixed selected distance of sets on the cable, have also permanent high transport operation. Mining ropeway for personal transport is equipped with two brakes, operational and security, which can be either air or electro hydraulic. Mining passenger-carriage railway is producing in different modifications of engine output (22 to 55 kW) and different available size of carriage railway according to customer requirement.

Mining ropeway for personal transport is possible use in surroundings with danger of methane and carbon dust explosion to degree SNM according to § 232 decree ČBÚ no. 22/1989 Sb. in wording to later regulations. According to decree European parliament and Council EU 94/9/ES machinery is arranged in group „I“ and category M2. Mining ropeway for personal transport matches requirements direction of European parliament and Council EU 94/9/ES. Electric equipment matches requirements stated in direction of Council 2006/95/ES.

Example of type indication:

DLDO1F-1000C

DLDO – Mining ropeway for personal transport

1 – serial number of engine operate (example 1 = 55 kW)

F – Producer FERRIT s.r.o.

1000C – size of Mining ropeway for personal transport (1000m) + mark producer country (C=Czech Republic)



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Technical parameters:

Basic parameters carriage railway valid for all projects:

Power of the engine	in spread from 22 to 55 kW (according engine used)
Degree of engine protection	IP55, IM1 Ex d I
Max. speed	1,4 m.s ⁻¹
Max. inclination of hanging railway	40°
Min. profile lot	10 m ²
Min. profile lot (with transport on ZD)	14 m ²
Max. weight of transported worker	130 kg
Service temperature / humidity	0 - 40 °C / 90%
Main dimensions of drive unit:	
High	2 050 mm
Width	1 500 mm
Length	4 120 mm
Average of driving pulleys	1 400 mm
Material of driving pulleys	cast steel

Others technical parameters (as example. max. power output, rated, etc.) in dependence of specific project , as example below referred parameters in already finished projects Mining ropeway for personal transport DLDO2F-200C and DLDO1F-1000C:

Modification:	DLDO2F-200C	DLDO1F-1000C
Engine type	dSg200L6B-EP-f	dSg280M6-EP-f
Engine kind	three phase asynchronous	
Voltage	500 V	
Frequency	50 Hz	
Max. engine output	22 kW	55 kW
Degree of engine protection	IP55, IM1 Ex d I	
Rated speed	981 rpm	985 rpm
Max. driving force of driving units	10,18 kN ± 10%	24,97 kN ± 10%
Max. speed	1,4 m.s ⁻¹	
Max. inclination of mining lot	14 °	18°
Min. profile lot	10 m ²	
Min. profile lot (with transport on ZD)	14 m ²	
Longitude of ropeway	200 m	1000 m
Max. weight of transported worker	130 kg	
Service temperature / humidity	0 - 40 °C / 90%	
Main dimensions of weight of driving unit:		
High	2 050 mm	
Width	1 500 mm	
Longitude	4 120 mm	
Average of driving pulleys	1 400 mm	
Material of driving pulleys	cast steel	
Weight	4 700 kg	5 700 kg



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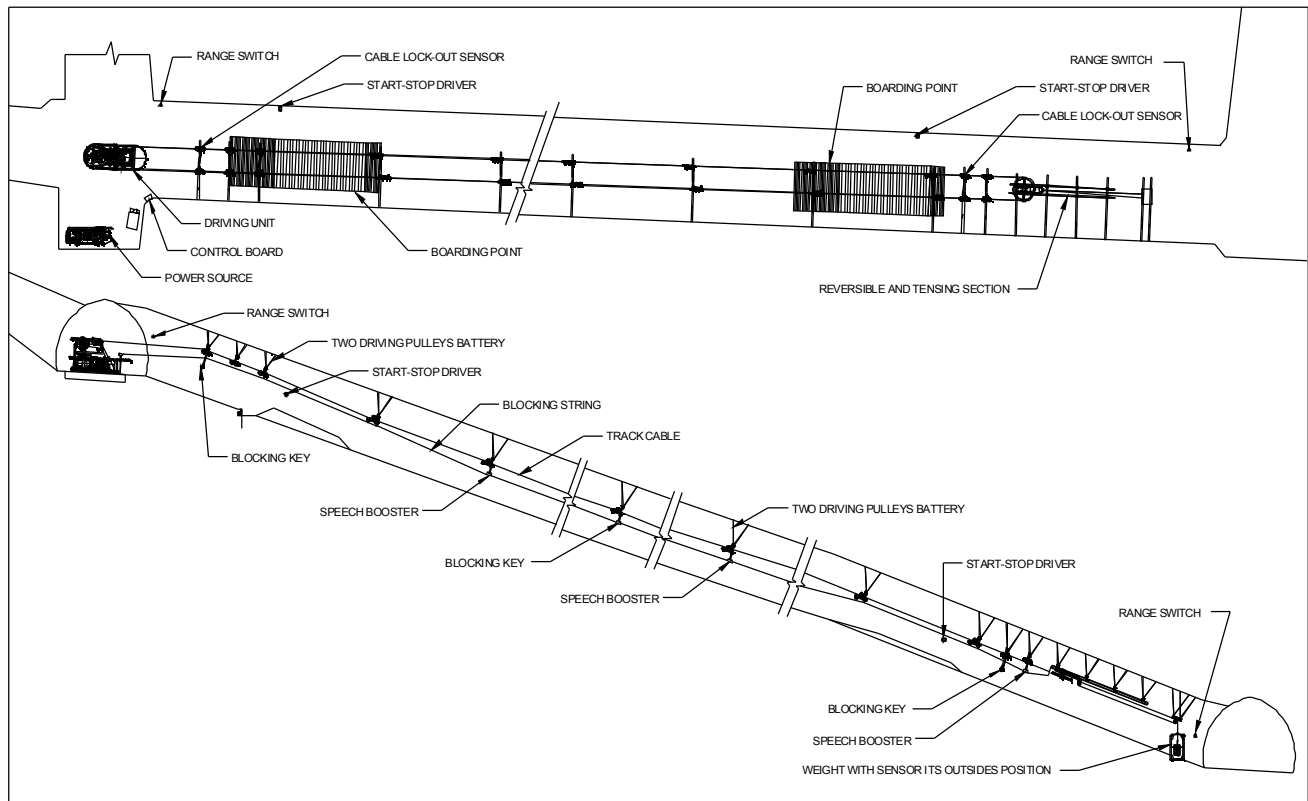
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Example of project of ropeway railway:



Ordering:

In the order please specify requested longitude of the railway of the ropeway you ask for, profile of mining lot, profile of mining ream and railway inclination. Ordering number will be assigned according this details. Than please state requested number of units, number of sets of accompanying documentation (Direction for use, Catalogue of spare parts, etc. – usually we enclose 2 sets of this documentation) and specific requirements (for example different paint, accompanying documentation in electric form, etc.)

Delivery date: individual according complication of project (important to consult with technical departments FERRIT s.r.o. company)

Tarif classification: 8428 60 00 00



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