

DZK 1800 / 2200 MONORAIL

TECHNICAL DATA

	DZK 1800 Series 4+4	DZK 2200 Series 4+4
Drive System		
Friction wheel diameter:	340 /opt. 450 mm	340 /opt. 450 mm
Hydraulic system		
Standard motor size:	470 ccm	470 ccm
No. of hydraulic motors:	8 / 12	8 / 12
Operating fluid:	Mineral oil (HLP) opt. HFC	Mineral oil (HLP) opt. HFC
Hydraulic tank volume:	100 l	120 l
pump size:	250 ccm	2 x 125 ccm
Oil flow:	450 l/min	575 l/min
Max. operating pressure:	35 MPa	35 MPa
Electrical system		
Controls:	Microprocessor	Microprocessor
Operating voltage:	3 x 12V/2A	3 x 12V/2A
Generator:	25,5 VDC 240W	25,5 VDC 240W
Type of protection:	SYST IM2 Exib I	SYST IM2 Exib I
Operating panel:	standard, 7-Sequence LED optional, Graphic LCD display	standard, 7-Sequence LED optional, Graphic LCD display
Diesel engine		
Type:	4-Cylinder Liebherr/Scharf turbo diesel	4-Cylinder Liebherr/Scharf turbo diesel
Rated power:	84 kW at 1,800 1/min	130 kW at 1,800 1/min
Diesel tank:	Volume 140 l	Volume 140 l
Starter:	Hydraulic	Hydraulic
Protection certificate:	ATEX	ATEX
Exhaust gas cooling system:	Water cooled	Capsulated cooling circuit
Operating conditions		
Operating temperature:	-10°C up to +40°C	-10°C up to +40°C
Rel. humidity:	90 %	90 %
Horizontal curve radius:	min. 4 m	min. 4 m
Vertical curve radius:	min 8 m	min 8 m
Max. incline:	30 degrees	30 degrees

* for short time with diesel engine in operation

All data are subject to technical advancement. The devices correspond to the latest technical safety guidelines.

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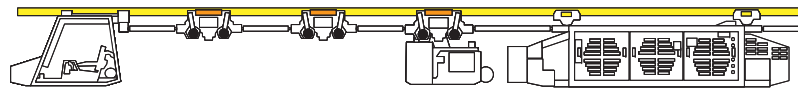




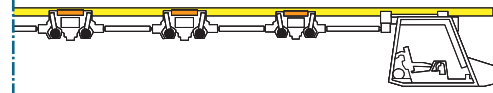
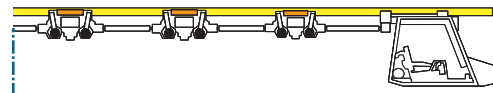
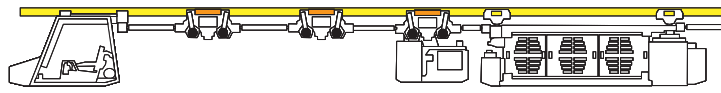
DZK 1800 / 2200

TRANSPORT APPLICATIONS

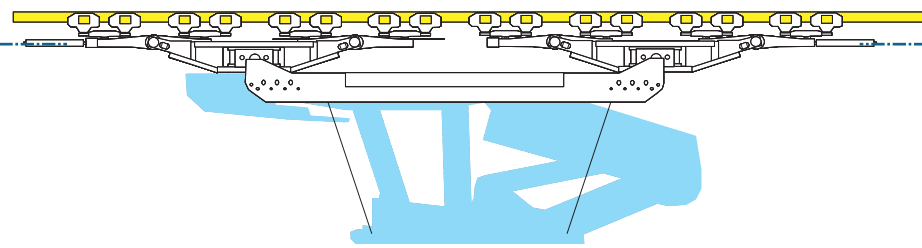
DZK 2200 Lokomotive



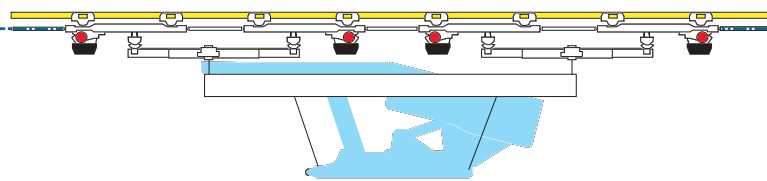
DZK 1800 Lokomotive



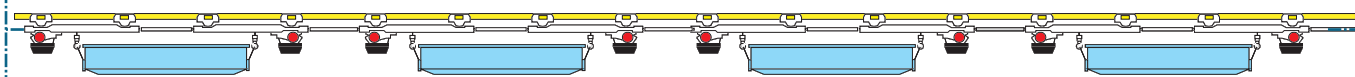
Machinery and Equipment: e.g. 48 tons single payload



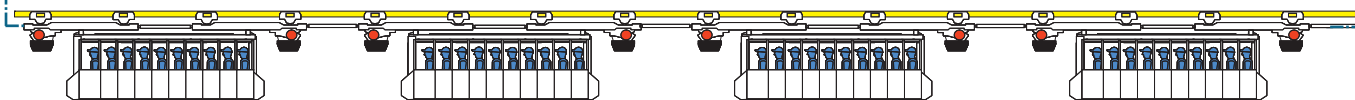
Machinery and Equipment: e.g. 28 tons single payload



Bulk Material: e.g. 4 tons payload per Container



Manriding: e.g. 20 Men per Cabin



TECHNICAL DATA *

Type	DZK 1800	DZK 1800	DZK 2200	DZK 2200	DZK 2200
Drive unit	3+3	4+4	3+3	4+4	7+7
Pulling force [kN]	120	180	120	180	320
Brakes	12	16	12	16	30
Brake force [kN]**	240	320	240	320	600
Max. Speed [m/s]	2.0	2.0	2.6	2.6	1.7
Weight [kg]	8,700	10,100	9,500	10,900	15,000
Max. Train weight [kg]					

* dep. on local regulations
** at friction coefficient 0.25

PERFORMANCE CHART

Example: DZK 2200 2+2, 3+3 / DZK 1800 2+2, 3+3

