

Demag EKKE standard single-girder overhead travelling crane

with EKDR monorail hoist

Dimension catalogue

Description

Crane girder

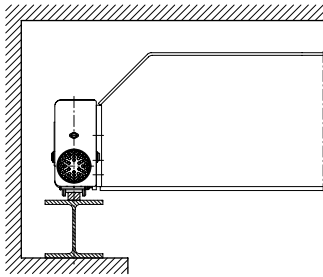
The steel structure is designed to DIN 15 018, Lifting Class H2, Loading Group B3 for indoor operation (other ratings available on request). The crane girders and crane travel units, both of welded box-girder design, are connected to each other by means of high-tensile bolts. The perfect crane alignment geometry (prerequisite for good operating characteristics) is guaranteed by exact machining of the connecting surfaces, exact survey and precise adjustment in the factory.

All design and production procedures as well as the components themselves are subject to a permanent comprehensive quality control according to DIN ISO 9001.

Standard designs of crane girders

Design 1

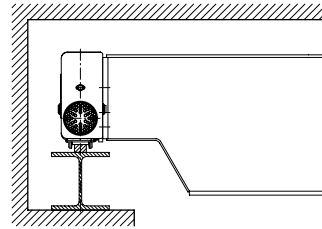
for new and existing building clearance profiles for max. utilisation of the lifting height $U=0$ (standard slope 45°)



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Design 2

for existing building clearance profiles with low dimension X and dimension $U>0$

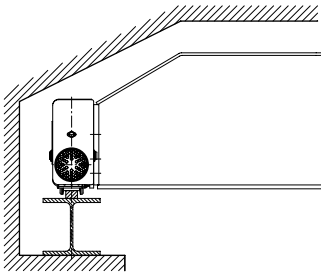


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Special designs of crane girders

Design 3

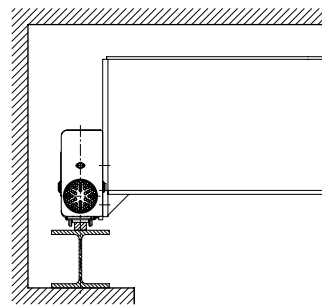
as design 1 adapting to the roof slope (standard slope 25, 20 or 15 degrees)



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Design 4

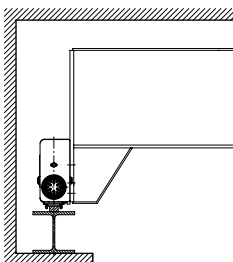
Raised ≤ 120



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Design 5

Raised $U>120$



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Description

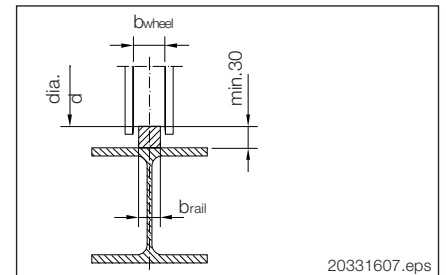
Crane travel units

The crane travel unit consists of the welded structural steel box girder, of the driven wheel block with geared motor and of the non-driven wheel block. The travel wheel is of wear-resistant spheroidal graphite cast iron (min. tensile strength 700 N/mm²). The design features a long life due to wheels mounted on anti-friction bearings lubricated for life, a variable track gauge by means of adjusting elements and drives optionally fitted to the right or left-hand side.

Documentation: 203 321 44 DFW-L-E travel units

Wheel tread

DFW-L-E travel unit	Dimensions in mm	
	max b _{wheel}	max b _{rail}
Size		
112	60	50
125	60	50
160	65	50
200	65	50



Crane travel drives

One travel wheel on each crane side is directly driven by individual drives which require little maintenance.

The integrated flywheel mass of the cylindrical rotor motor ensures smooth starting of the crane and the special winding provides for a high switching frequency. The disc brake integrated in the motor is applied by spring force and released electromagnetically. It is controlled independently of the motor and causes no axial movement of the rotor shaft or forces on the bearings.

Crane travel speed $V_{kr} = 10/40$ m/min (pole-changing motor)
 $V_{kr} =$ up to 60 m/min (infinitely variable)
 (further speeds on request)

Documentation: 203 350 44 Travel unit components
 203 355 44 Geared travel motors

Monorail hoist

Low-headroom monorail hoists, type EK with Demag DR 3, 5 and 10 rope hoist.

Cross travel speeds: $V_{ka} = 1.5 - 30$ m/min (infinitely variable)
 by means of cylindrical rotor motors with frequency inverter

Documentation: 203 522 44 Demag DR-Pro rope hoist
 214 916 44 Demag DR-Com rope hoist

Monorail hoist power supply

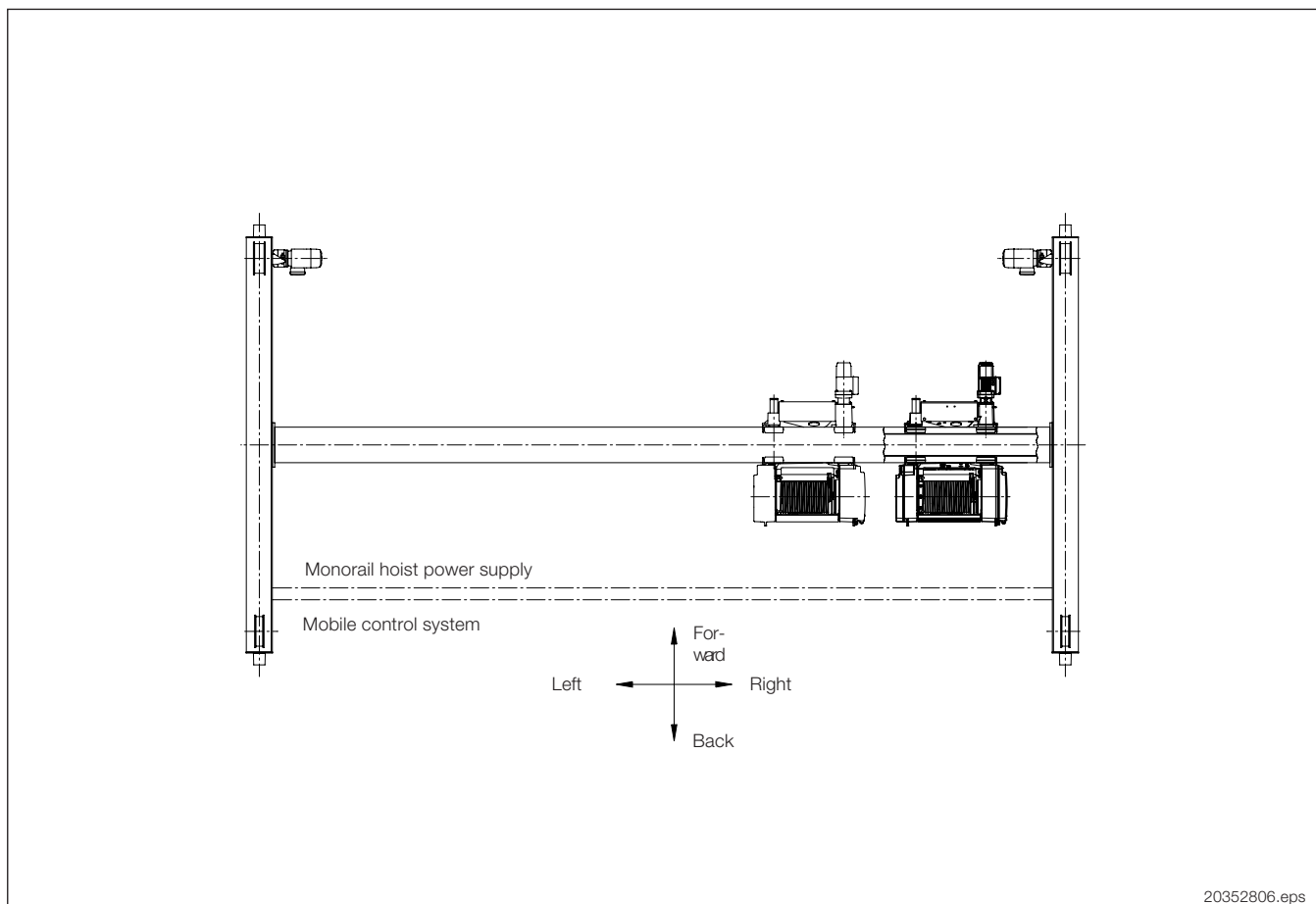
Power supply and transmission of the control commands from the electrical equipment housing of the crane to the trolley via KBK 25 trailing cable system with highly flexible flat cables (KBK 25 profile girder section).

A PE conductor is always installed. In accordance with the VDE regulations a crane switch is provided.

Crane control system

All movements of the crane are controlled via an integrated CAN-BUS system
Floor-level controls are optionally designed as:

- Demag Line Control control pendant mobile independent of the monorail hoist position or fixed on the monorail hoist,
- wireless Demag Radio Control.



Anti-corrosion protection

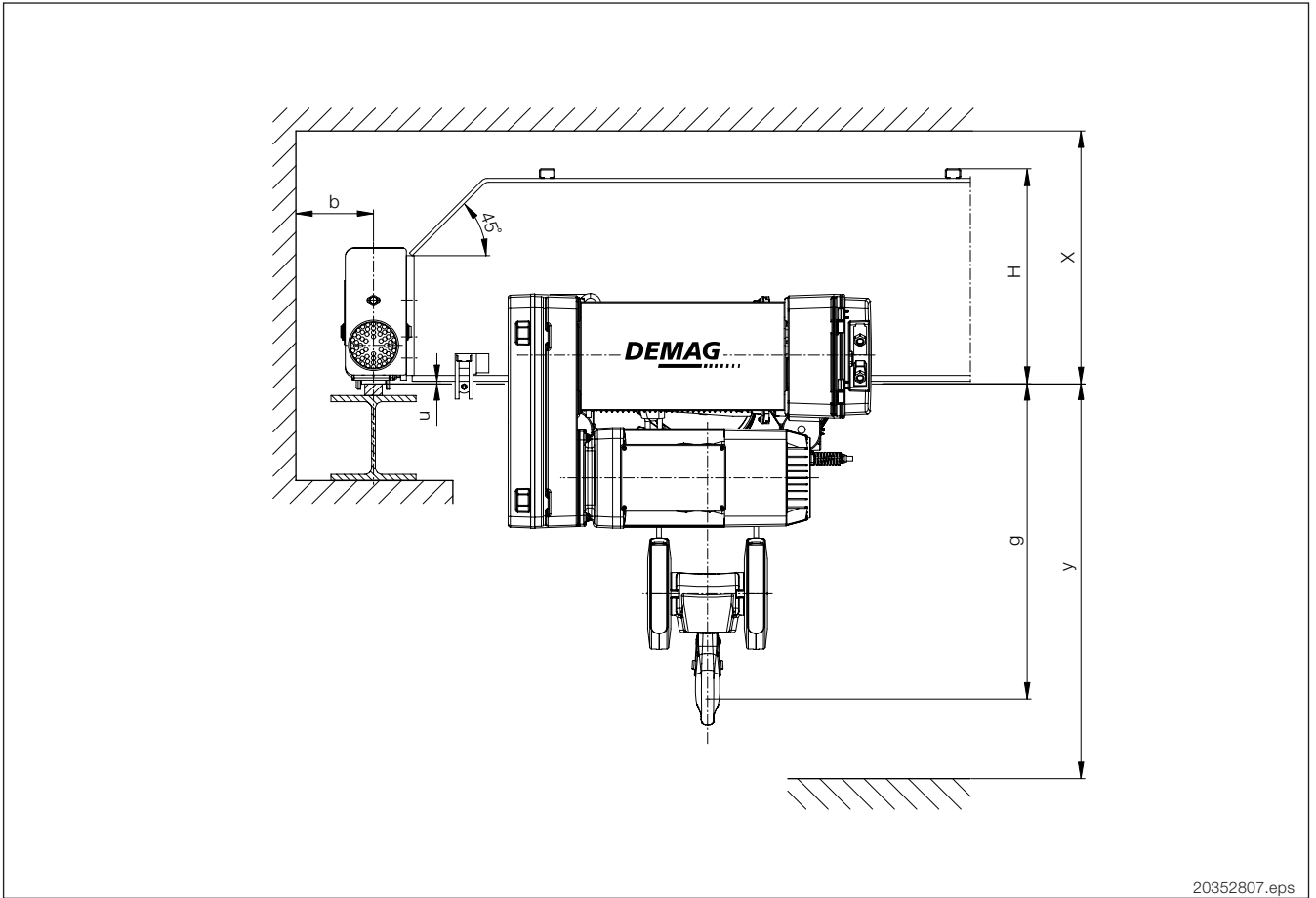
Following pre-treatment (degree of rust removal Sa2 acc. to DIN 55928), the structural steel parts are coated with a synthetic resin-based paint finish (safety yellow; sheeny; min. coat thickness 60 µm).

Monorail hoist powder-coated in two colours azure blue and silvergrey (RAL 5009 and RAL 7001; coat thickness 80 µm).

Travel drives in azure blue (RAL 5009).

Demag EKKE standard single-girder overhead travelling crane

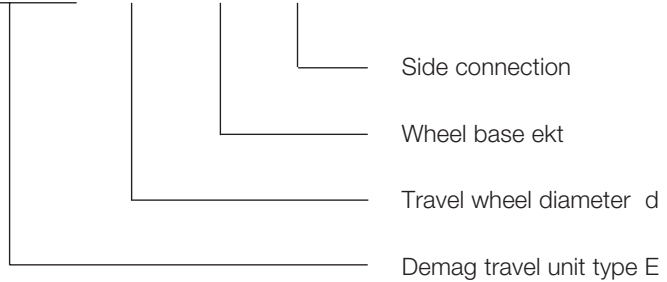
Crane girder: Box girder; design 1
 Trolley: DFW-L-E___ / ___ / S
 Monorail hoist: 1 x EKDR



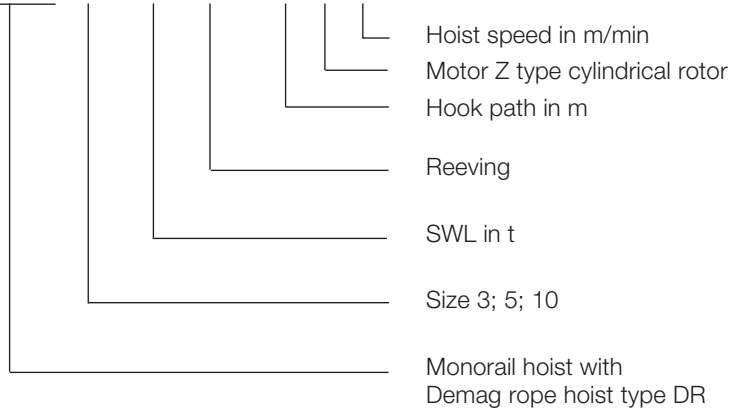
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Type designation

DFW-L-E 112 / 2000 / S

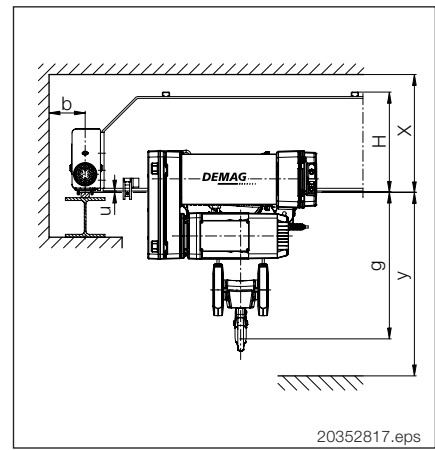


EKDR 3 - 1,6 2/1 - 20 Z-25 FEM 2m



EKKE SWL 1,6 t

Crane girder: Box girder; design 1
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 1x EKDR 3 - 1,6 2/1-20 Z-25 FEM 2m



Hook path: 20 or 12 m; Lifting speed: 12/2 m/min; 18/3 m/min or 1-25 m/min infinitely variable
 Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3, 4} 2)	d	e _{KT}	I _{EKT} 2)	DPZ		b
				H12/H20	H12	H20			V _{KR} = 40			V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	
4	520	470	-12	565	755	980	508	783	1208	112	2000	2416	100	100	140
5	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
6	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
7	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
8	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
9	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
10	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
11	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
12	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
13	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
14	520	470	-7	565	755	980	508	783	1208	112	2000	2416	100	100	140
15	520	470	-7	565	755	980	508	783	1208	112	2000	2416	100	100	140
16	522	472	-7	565	755	980	508	783	1458	112	2500	2916	100	100	140
17	620	570	-7	565	755	980	508	783	1458	112	2500	2916	100	100	140
18	620	570	-7	565	755	980	508	783	1458	112	2500	2916	100	100	140
19	622	572	-7	565	755	980	508	783	1458	112	2500	2916	100	100	140
20	740	690	-27	565	755	980	488	763	1793	125	3150	3586	100	130	150
21	740	690	-27	565	755	980	488	763	1793	125	3150	3586	100	130	150
22	740	690	-27	565	755	980	488	763	1793	125	3150	3586	100	130	150
23	744	694	-27	565	755	980	488	763	1793	125	3150	3586	100	130	150
24	840	790	-27	565	755	980	488	763	1793	125	3150	3586	100	130	150
25	840	790	-27	565	755	980	488	763	2274	200	4000	4548	100	160	175
26	844	794	-27	565	755	980	488	763	2274	200	4000	4548	100	160	175
27	840	790	-27	565	755	980	563	763	2274	200	4000	4548	100	160	175
28	940	890	-27	565	755	980	563	763	2274	200	4000	4548	100	160	175
29	940	890	-27	565	755	980	563	763	2274	200	4000	4548	100	160	175
30	942	892	-27	565	755	980	563	763	2274	200	4000	4548	100	160	175

- 1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.
 2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100		
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked.

6 Please note the information on the folder.

EKKE SWL 2,5 t

Crane girder:

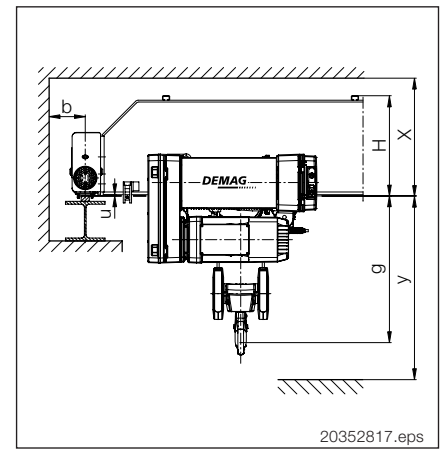
Box girder; design 1

Travel unit:

DFW-L-E___/___/S

Monorail hoist:

1x EKDR 3 - 2,5 4/1-10 Z-12,5 FEM 2m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable

Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit									
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3,4} 2)	d	e _{KT}	I _{EKT} 2)		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	520	470	-10	625	695	920	368	783	1208	112	2000	2416	100	100	140	
5	520	470	-10	625	695	920	368	783	1208	112	2000	2416	100	100	140	
6	520	470	-10	625	695	920	368	783	1208	112	2000	2416	100	100	140	
7	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
8	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
9	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
10	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
11	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
12	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
13	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
14	620	570	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
15	620	570	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
16	620	570	-7	625	695	920	368	783	1458	112	2500	2916	100	100	140	
17	622	572	-7	625	695	920	368	783	1458	112	2500	2916	100	100	140	
18	720	670	-7	625	695	920	368	783	1458	112	2500	2916	100	100	140	
19	720	670	-7	625	695	920	368	783	1458	112	2500	2916	100	100	140	
20	742	692	-27	625	695	920	348	763	1793	125	3150	3586	100	130	150	
21	744	694	-27	625	695	920	348	763	1793	125	3150	3586	100	130	150	
22	840	790	-27	625	695	920	348	763	1793	125	3150	3586	100	130	150	
23	842	792	-27	625	695	920	348	763	1793	125	3150	3586	100	130	150	
24	842	792	-27	625	695	920	348	763	1793	125	3150	3586	100	130	150	
25	940	890	-27	625	695	920	348	763	2274	200	4000	4548	100	160	175	
26	944	894	-27	625	695	920	348	763	2274	200	4000	4548	100	160	175	
27	940	890	-27	625	695	920	423	763	2274	200	4000	4548	100	160	175	
28	942	892	-27	625	695	920	423	763	2274	200	4000	4548	100	160	175	
29	1042	992	-27	625	695	920	423	763	2274	200	4000	4548	100	160	175	
30	1042	992	-27	625	695	920	423	763	2274	200	4000	4548	100	160	175	

1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.

2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100		
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

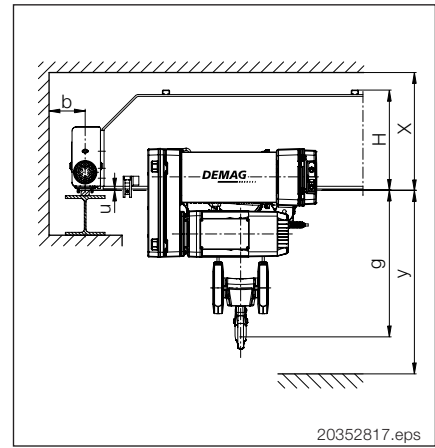
All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 2,5 t

Crane girder: Box girder; design 1
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 1x EKDR 5 - 2,5 2/1-20 Z-25 FEM 2m



Hook path: 20 or 12 m; Lifting speed: 12/2 m/min; 18/3 m/min or 1-25 m/min infinitely variable
 Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3, 4} 2)	d	e _{KT}	I _{EKT} 2)	DPZ		b
				H12/H20	H12	H20			V _{KR} = 40			V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	
4	520	470	-7	565	775	1010	518	858	1208	112	2000	2416	100	100	140
5	520	470	-7	565	775	1010	518	858	1208	112	2000	2416	100	100	140
6	520	470	-7	565	775	1010	518	858	1208	112	2000	2416	100	100	140
7	520	470	-7	565	775	1010	518	858	1208	112	2000	2416	100	100	140
8	520	470	-7	565	775	1010	518	858	1208	112	2000	2416	100	100	140
9	520	470	-7	565	775	1010	518	858	1208	112	2000	2416	100	100	140
10	520	470	-7	565	775	1010	518	858	1208	112	2000	2416	100	100	140
11	524	474	-7	565	775	1010	518	858	1208	112	2000	2416	100	100	140
12	522	472	-2	565	775	1010	518	858	1208	112	2000	2416	100	100	140
13	522	472	-2	565	775	1010	518	858	1208	112	2000	2416	100	100	140
14	622	572	-2	565	775	1010	518	858	1208	112	2000	2416	100	100	140
15	622	572	-2	565	775	1010	518	858	1208	112	2000	2416	100	100	140
16	622	572	-2	565	775	1010	518	858	1458	112	2500	2916	100	100	140
17	622	572	-2	565	775	1010	518	858	1458	112	2500	2916	100	100	140
18	722	672	-2	565	775	1010	518	858	1458	112	2500	2916	100	130	140
19	722	672	-2	565	775	1010	518	858	1458	112	2500	2916	100	130	140
20	742	692	-22	565	775	1010	498	838	1793	125	3150	3586	100	130	150
21	742	692	-22	565	775	1010	498	838	1793	125	3150	3586	100	130	150
22	842	792	-22	565	775	1010	498	838	1793	125	3150	3586	100	130	150
23	842	792	-22	565	775	1010	498	838	1793	125	3150	3586	100	130	150
24	842	792	-22	565	775	1010	498	838	1793	125	3150	3586	100	160	150
25	842	792	-22	565	775	1010	498	838	2274	200	4000	4548	100	160	175
26	847	797	-22	565	775	1010	498	838	2274	200	4000	4548	100	160	175
27	942	892	-22	565	775	1010	573	838	2274	200	4000	4548	100	160	175
28	942	892	-22	565	775	1010	573	838	2274	200	4000	4548	100	160	175
29	1042	992	-22	565	775	1010	573	838	2274	200	4000	4548	100	160	175
30	1047	997	-22	565	775	1010	573	838	2294	200	4000	4588	130	160	175

- 1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.
 2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100		
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked.

8 Please note the information on the folder.

EKKE SWL 3,2 t

Crane girder:

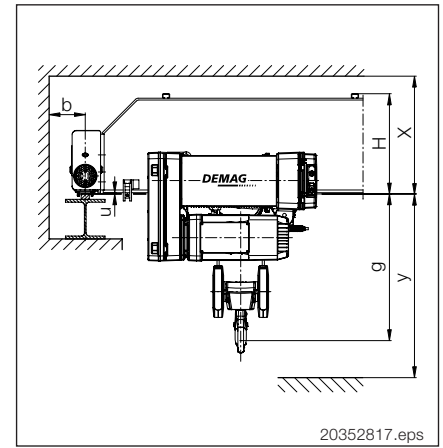
Box girder; design 1

Travel unit:

DFW-L-E___/___/S

Monorail hoist:

1x EKDR 3 - 3,2 4/1-10 Z-12,5 FEM 2m



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Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable

Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit								
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3, 4} 2)	d	e _{KT}	DPZ			b
				H12/H20	H12	H20			V _{KR} = 40			V _{KR} = 40	V _{KR} = 40	V _{KR} = 60	
4	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
5	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
6	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
7	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
8	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
9	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
10	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
11	522	472	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140
12	522	472	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140
13	524	474	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140
14	622	572	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140
15	622	572	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140
16	622	572	-2	625	695	920	368	783	1458	112	2500	2916	100	100	140
17	624	574	-2	625	695	920	368	783	1458	112	2500	2916	100	100	140
18	722	672	-2	625	695	920	368	783	1458	112	2500	2916	100	100	140
19	722	672	-2	625	695	920	368	783	1458	112	2500	2916	100	130	140
20	744	694	-22	625	695	920	348	763	1793	125	3150	3586	100	130	150
21	842	792	-22	625	695	920	348	763	1793	125	3150	3586	100	130	150
22	842	792	-22	625	695	920	348	763	1793	125	3150	3586	100	130	150
23	842	792	-22	625	695	920	348	763	1793	125	3150	3586	100	130	150
24	842	792	-22	625	695	920	348	763	1793	125	3150	3586	100	160	150
25	942	892	-22	625	695	920	348	763	2274	200	4000	4548	100	160	175
26	944	894	-22	625	695	920	348	763	2274	200	4000	4548	100	160	175
27	942	892	-22	625	695	920	423	763	2274	200	4000	4548	100	160	175
28	944	894	-22	625	695	920	423	763	2274	200	4000	4548	100	160	175
29	1042	992	-22	625	695	920	423	763	2274	200	4000	4548	100	160	175
30	1042	992	-22	625	695	920	423	763	2274	200	4000	4548	100	160	175

1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.

2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100		
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

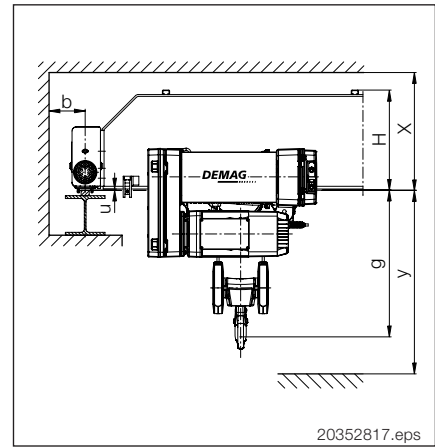
All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 5 t

Crane girder: Box girder; design 1
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 1x EKDR 5 - 5 4/1-10 Z-12,5 FEM 2m



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Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} 1)		g	y	I _{an 3, 4} 2)		d	e _{KT}	DPZ			b
				H12/H20	H12			H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 40	V _{KR} = 60	
4	520	470	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
5	520	470	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
6	520	470	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
7	520	470	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
8	520	470	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
9	520	470	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
10	524	474	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
11	620	570	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
12	622	572	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
13	720	670	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
14	720	670	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
15	724	674	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
16	722	672	-2	645	695	930	393	858	1458	112	2500	2916	100	100	140
17	727	677	-2	645	695	930	393	858	1458	112	2500	2916	100	130	140
18	822	772	-2	645	695	930	393	858	1458	112	2500	2916	100	130	140
19	822	772	-2	645	695	930	393	858	1458	112	2500	2916	100	130	140
20	847	797	-22	645	695	930	373	838	1793	125	3150	3586	100	130	150
21	942	892	-22	645	695	930	373	838	1793	125	3150	3586	100	130	150
22	942	892	-22	645	695	930	373	838	1793	125	3150	3586	100	130	150
23	942	892	-22	645	695	930	373	838	1793	125	3150	3586	100	160	150
24	942	892	-22	645	695	930	373	838	1793	125	3150	3586	100	160	150
25	1042	992	-22	645	695	930	373	838	2274	200	4000	4548	100	160	175
26	1042	992	-22	645	695	930	448	838	2274	200	4000	4548	100	160	175
27	1042	992	-22	645	695	930	448	838	2274	200	4000	4548	100	160	175
28	1044	994	-22	645	695	930	448	838	2274	200	4000	4548	100	160	175
29	1142	1092	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
30	1147	1097	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175

- 1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.
- 2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

All dimensions in mm (L_{KR} in m).
 Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked.

EKKE SWL 5 t

Crane girder:

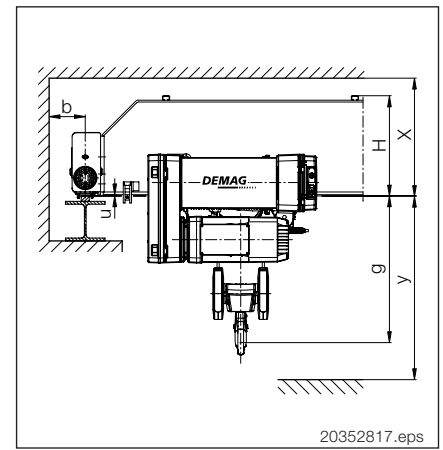
Box girder; design 1

Travel unit:

DFW-L-E ___ / ___ /S

Monorail hoist:

1x EKDR 10-5 2/1- 20 Z-25 FEM 2m



Hook path: 20 or 12 m; Lifting speed: 12/2 m/min; 18/3 m/min or 1-25 m/min infinitely variable

Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit								
L _{KR}	X	H	U	l _{an 1} 1)	l _{an 2} 1)		g	y	l _{an 3, 4} 2)	d	e _{KT}	l _{EKT} 2)	DPZ		b
					H12	H20							V _{KR} = 40	V _{KR} = 60	
4	520	470	-7	580	865	1125	628	884	1208	112	2000	2416	100	100	140
5	520	470	-7	580	865	1125	628	884	1208	112	2000	2416	100	100	140
6	520	470	-7	580	865	1125	628	884	1208	112	2000	2416	100	100	140
7	522	472	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
8	522	472	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
9	522	472	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
10	522	472	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
11	622	572	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
12	622	572	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
13	622	572	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
14	722	672	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
15	722	672	-2	580	865	1125	628	884	1208	112	2000	2416	100	100	140
16	722	672	-2	580	865	1125	628	884	1458	112	2500	2916	100	130	140
17	727	677	-2	580	865	1125	628	884	1458	112	2500	2916	100	130	140
18	842	792	-22	580	865	1125	608	864	1468	125	2500	2936	100	130	150
19	842	792	-22	580	865	1125	608	864	1468	125	2500	2936	100	130	150
20	847	797	-22	580	865	1125	608	864	1793	125	3150	3586	100	130	150
21	942	892	-22	580	865	1125	608	864	1793	125	3150	3586	100	160	150
22	942	892	-22	580	865	1125	608	864	1793	125	3150	3586	100	160	150
23	942	892	-22	580	865	1125	608	864	1793	125	3150	3586	100	160	150
24	944	894	-22	580	865	1125	608	864	1793	125	3150	3586	100	160	150
25	1044	994	-22	580	865	1125	608	864	2274	200	4000	4548	100	160	175
26	1042	992	-22	580	865	1125	708	864	2274	200	4000	4548	100	160	175
27	1042	992	-22	580	865	1125	708	864	2274	200	4000	4548	100	160	175
28	1047	997	-22	580	865	1125	708	864	2294	200	4000	4588	130	160	175
29	1142	1092	-22	580	865	1125	708	864	2294	200	4000	4588	130	160	175
30	1152	1102	-22	580	865	1125	708	864	2294	200	4000	4588	130	160	175

1) On the crane power supply side l_{an1} or increase l_{an2} by 120 mm.

2) l_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ		l _{an3,4} (V _{KR} =60) = l _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100		
100	130	l _{an3,4} (V _{KR} =60) = l _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	l _{an3,4} (V _{KR} =60) = l _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 5 t

Crane girder:

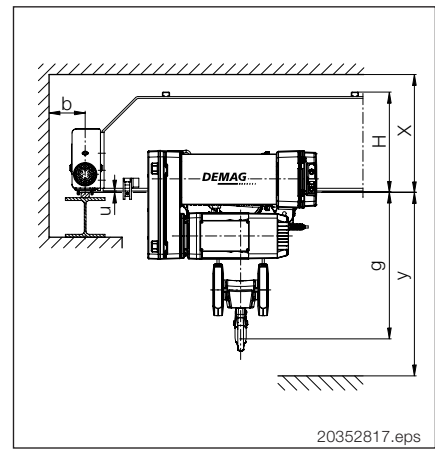
Box girder; design 1

Travel unit:

DFW-L-E ___ / ___ /S

Monorail hoist:

1x EKDR 10-5 4/2-11,35 Z-25 FEM 2m



Hook path: 11,35 or 5,8 m; Lifting speed: 10/1,7 m/min; 2-18 m/min or 2-25 m/min infinitely variable

Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3, 4} 2)	d	e _{KT}	I _{EKT} 2)	DPZ		b
					H12/H20	H12							H20	V _{KR} = 40	
4	520	470	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
5	520	470	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
6	520	470	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
7	520	470	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
8	520	470	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
9	520	470	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
10	524	474	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
11	620	570	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
12	622	572	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
13	720	670	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
14	720	670	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
15	722	672	-7	730	715	845	543	884	1208	112	2000	2416	100	100	140
16	722	672	-2	730	715	845	543	884	1458	112	2500	2916	100	130	140
17	727	677	-2	730	715	845	543	884	1458	112	2500	2916	100	130	140
18	822	772	-2	730	715	845	543	884	1458	112	2500	2916	100	130	140
19	822	772	-2	730	715	845	543	884	1458	112	2500	2916	100	130	140
20	847	797	-22	730	715	845	523	864	1793	125	3150	3586	100	130	150
21	942	892	-22	730	715	845	523	864	1793	125	3150	3586	100	160	150
22	942	892	-22	730	715	845	523	864	1793	125	3150	3586	100	160	150
23	942	892	-22	730	715	845	523	864	1793	125	3150	3586	100	160	150
24	944	894	-22	730	715	845	523	864	1793	125	3150	3586	100	160	150
25	1044	994	-22	730	715	845	523	864	2274	200	4000	4548	100	160	175
26	1042	992	-22	730	715	845	623	864	2274	200	4000	4548	100	160	175
27	1042	992	-22	730	715	845	623	864	2274	200	4000	4548	100	160	175
28	1047	997	-22	730	715	845	623	864	2294	200	4000	4588	130	160	175
29	1142	1092	-22	730	715	845	623	864	2294	200	4000	4588	130	160	175
30	1152	1102	-22	730	715	845	623	864	2294	200	4000	4588	130	160	175

1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.

2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60
130	160		

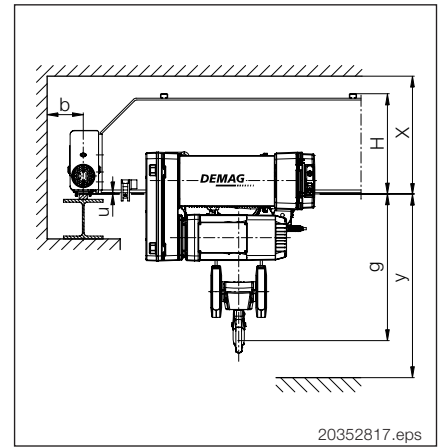
All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked.

EKKE SWL 6,3 t

Crane girder: Box girder; design 1
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 1x EKDR 10 - 6,3 4/1-10 Z-12,5 FEM 4m



Hook path: 10 or 6 m; Lifting speed: 5/0,8 m/min or 1 - 8 m/min; 1-12,5 m/min infinitely variable
 Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit								
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3, 4} 2)	d	e _{KT}	DPZ		b	
				H12/H20	H12	H20			V _{KR} = 40			V _{KR} = 40	V _{KR} = 60		
4	520	470	-7	700	745	1005	728	884	1208	112	2000	2416	100	100	140
5	520	470	-7	700	745	1005	728	884	1208	112	2000	2416	100	100	140
6	522	472	-2	700	745	1005	728	884	1208	112	2000	2416	100	100	140
7	542	492	-22	700	745	1005	708	864	1218	125	2000	2436	100	100	150
8	542	492	-22	700	745	1005	708	864	1218	125	2000	2436	100	100	150
9	542	492	-22	700	745	1005	708	864	1218	125	2000	2436	100	100	150
10	642	592	-22	700	745	1005	708	864	1218	125	2000	2436	100	100	150
11	642	592	-22	700	745	1005	708	864	1218	125	2000	2436	100	100	150
12	742	692	-22	700	745	1005	708	864	1218	125	2000	2436	100	100	150
13	742	692	-22	700	745	1005	708	864	1218	125	2000	2436	100	100	150
14	742	692	-22	700	745	1005	708	864	1218	125	2000	2436	100	100	150
15	842	792	-22	700	745	1005	708	864	1218	125	2000	2436	100	130	150
16	842	792	-22	700	745	1005	708	864	1468	125	2500	2936	100	130	150
17	844	794	-22	700	745	1005	708	864	1468	125	2500	2936	100	130	150
18	847	797	-22	700	745	1005	708	864	1468	125	2500	2936	100	130	150
19	942	892	-22	700	745	1005	708	864	1468	125	2500	2936	100	130	150
20	944	894	-22	700	745	1005	708	864	1793	125	3150	3586	100	160	150
21	1044	994	-22	700	745	1005	708	864	1793	125	3150	3586	100	160	150
22	1042	992	-22	700	745	1005	708	864	1793	125	3150	3586	100	160	150
23	1042	992	-22	700	745	1005	708	864	1793	125	3150	3586	100	160	150
24	1042	992	-22	700	745	1005	708	864	1793	125	3150	3586	100	160	150
25	1042	992	-22	700	745	1005	708	864	2274	200	4000	4548	100	160	175
26	1044	994	-22	700	745	1005	708	864	2274	200	4000	4548	100	160	175
27	1144	1094	-22	700	745	1005	708	864	2294	200	4000	4588	130	160	175
28	1144	1094	-22	700	745	1005	708	864	2294	200	4000	4588	130	160	175
29	1147	1097	-22	700	745	1005	708	864	2294	200	4000	4588	130	160	175
30	1152	1102	-22	700	745	1005	708	864	2294	200	4000	4588	130	160	175

- 1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.
- 2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60
130	160		

All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 8 t

Crane girder:

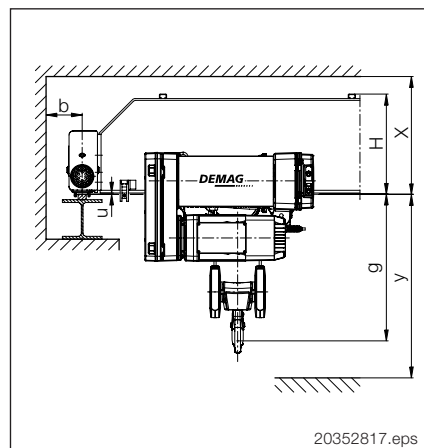
Box girder; design 1

Travel unit:

DFW-L-E ___ / ___ /S

Monorail hoist:

1x EKDR 10 - 8 4/1-10 Z-12,5 FEM 3m



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Hook path: 10 or 6 m; Lifting speed: 5/0,8 m/min or 1 - 8 m/min; 1-12,5 m/min infinitely variable

Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3, 4} 2)	d	e _{KT}	I _{EKT} 2)		DPZ		b
				H12/H20	H12	H20			V _{KR} = 40			V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	542	492	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
5	542	492	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
6	542	492	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
7	542	492	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
8	542	492	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
9	642	592	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
10	642	592	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
11	742	692	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
12	742	692	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
13	744	694	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
14	842	792	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150	
15	842	792	-22	675	770	1030	483	864	1218	125	2000	2436	100	130	150	
16	837	787	-12	675	770	1030	493	874	1496	160	2500	2992	100	130	175	
17	934	884	-12	675	770	1030	493	874	1496	160	2500	2992	100	130	175	
18	934	884	-12	675	770	1030	493	874	1496	160	2500	2992	100	130	175	
19	932	882	-12	675	770	1030	493	874	1496	160	2500	2992	100	130	175	
20	1032	982	-12	675	770	1030	493	874	1821	160	3150	3642	100	160	175	
21	1032	982	-12	675	770	1030	493	874	1821	160	3150	3642	100	160	175	
22	1034	984	-12	675	770	1030	493	874	1821	160	3150	3642	100	160	175	
23	1037	987	-12	675	770	1030	493	874	1821	160	3150	3642	100	160	175	
24	1042	992	-12	675	770	1030	493	874	1821	160	3150	3642	100	160	175	
25	1047	997	-22	675	770	1030	608	864	2274	200	4000	4548	100	160	175	
26	1144	1094	-22	675	770	1030	608	864	2274	200	4000	4548	100	160	175	
27	1147	1097	-22	675	770	1030	608	864	2294	200	4000	4588	130	160	175	
28	1152	1102	-22	675	770	1030	608	864	2294	200	4000	4588	130	160	175	
29	1152	1102	-17	675	770	1030	608	864	2294	200	4000	4588	130	160	175	
30	1157	1107	-17	675	770	1030	608	864	2294	200	4000	4588	130	160	175	

1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.

2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ			
V _{KR} = 40	V _{KR} = 60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked.

EKKE SWL 10 t

Crane girder:

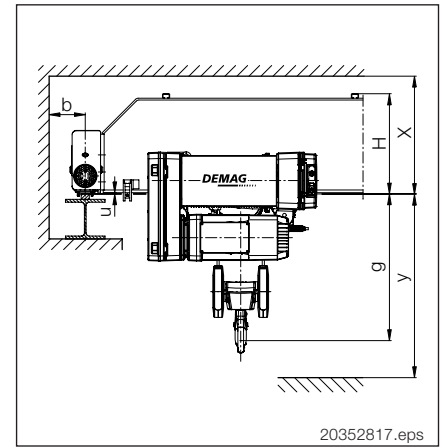
Box girder; design 1

Travel unit:

DFW-L-E ___ / ___ /S

Monorail hoist:

1x EKDR 10 - 10 4/1-10 Z-12,5 FEM 2m



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Hook path: 10 or 6 m; Lifting speed: 5/0,8 m/min or 1 - 8 m/min; 1-12,5 m/min infinitely variable

Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit								
L _{KR}	X	H	U	I _{an 1} 1)		g	y	I _{an 3, 4} 2)		d	e _{KT}	I _{EKT} 2)		b	
				H12/H20	H12			H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 60		
4	542	492	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	150
5	532	482	-12	675	770	1030	493	874	1246	160	2000	2492	100	100	175
6	532	482	-12	675	770	1030	493	874	1246	160	2000	2492	100	100	175
7	632	582	-12	675	770	1030	493	874	1246	160	2000	2492	100	100	175
8	632	582	-12	675	770	1030	493	874	1246	160	2000	2492	100	100	175
9	732	682	-12	675	770	1030	493	874	1246	160	2000	2492	100	100	175
10	732	682	-12	675	770	1030	493	874	1246	160	2000	2492	100	100	175
11	832	782	-12	675	770	1030	493	874	1246	160	2000	2492	100	100	175
12	834	784	-12	675	770	1030	493	874	1246	160	2000	2492	100	100	175
13	834	784	-7	675	770	1030	493	874	1246	160	2000	2492	100	130	175
14	834	784	-7	675	770	1030	493	874	1246	160	2000	2492	100	130	175
15	837	787	-7	675	770	1030	493	874	1246	160	2000	2492	100	130	175
16	937	887	-7	675	770	1030	493	874	1496	160	2500	2992	100	130	175
17	937	887	-7	675	770	1030	493	874	1496	160	2500	2992	100	130	175
18	934	884	-7	675	770	1030	493	874	1496	160	2500	2992	100	130	175
19	1034	984	-7	675	770	1030	493	874	1496	160	2500	2992	100	160	175
20	1034	984	-7	675	770	1030	493	874	1821	160	3150	3642	100	160	175
21	1034	984	-7	675	770	1030	493	874	1821	160	3150	3642	100	160	175
22	1037	987	-7	675	770	1030	493	874	1821	160	3150	3642	100	160	175
23	1034	984	-7	675	770	1030	618	874	1821	160	3150	3642	100	160	175
24	1037	987	-7	675	770	1030	618	874	1821	160	3150	3642	100	160	175
25	1147	1097	-17	675	770	1030	608	864	2294	200	4000	4588	130	160	175
26	1147	1097	-17	675	770	1030	608	864	2294	200	4000	4588	130	160	175
27	1152	1102	-17	675	770	1030	608	864	2294	200	4000	4588	130	160	175
28	1152	1102	-17	675	770	1030	608	864	2294	200	4000	4588	130	160	175
29	1302	1252	-17	675	770	1030	608	864	2294	200	4000	4588	130	160	175
30	1302	1252	-17	675	770	1030	608	864	2294	200	4000	4588	130	160	175

1) On the crane power supply side I_{an1} or increase I_{an2} by 120 mm.

2) I_{an3,4} and L_{ekt} may increase at VKR=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60
130	160		

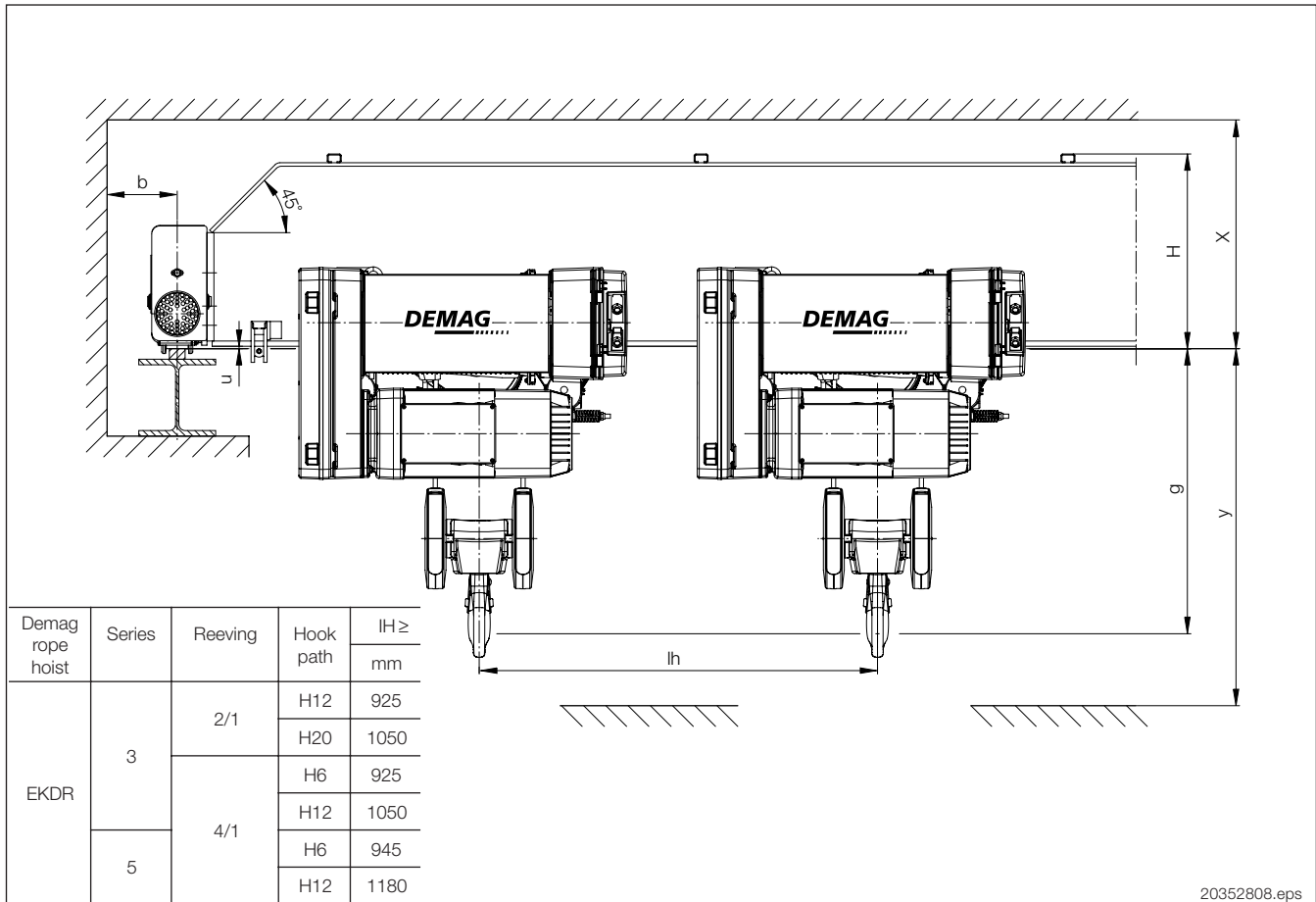
All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

Demag EKKE standard single-girder overhead travelling crane

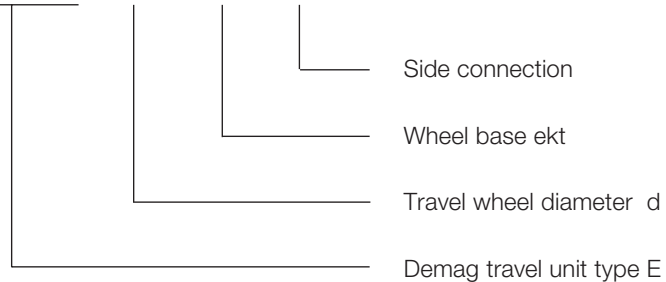
Crane girder: Box girder; design 1
 Travel unit: DFW-L-E___/___/S
 Monorail hoist: 2 x EKDR



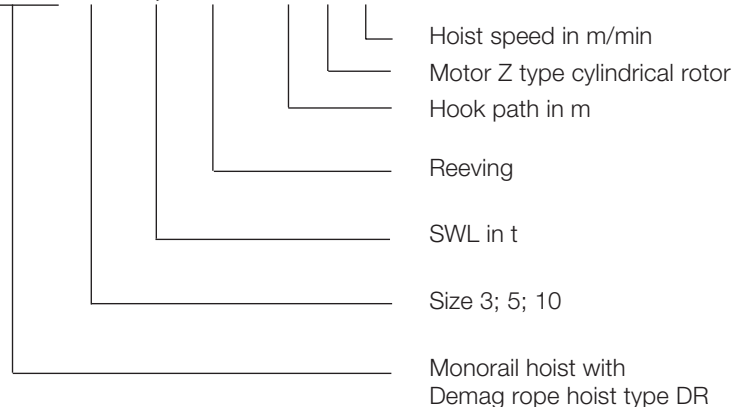
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Type designation

DFW-L-E 112 / 2000 / S



EKDR 3 - 1,6 2/1 - 20 Z-25 FEM 2m

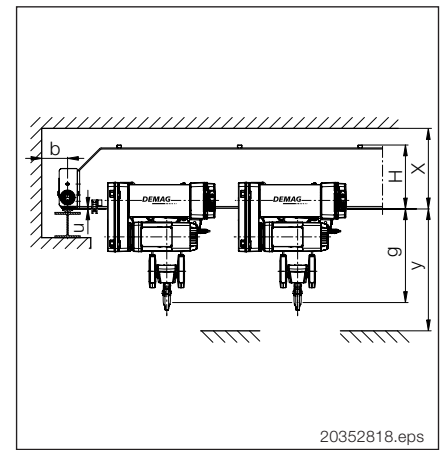


EKKE SWL 2x 1,6 t

Crane girder: Box girder; design 1

Trolley: DFW-L-E_ _ / _ _ /S

Crab: 2x EKDR 3 - 1,6 2/1-20 Z-25 FEM 2m



Hook path: 20 or 12 m Hook path: 20 or 12 m; Lifting speed: 12/2 m/min; 18/3 m/min or 1-25 m/min infinitely variable
 Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} 1)		g	y	I _{an 3,4} 2)		d	e _{KT}	DPZ			b
				H12/H20	H12			H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 40	V _{KR} = 60	
4	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
5	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
6	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
7	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
8	520	470	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
9	522	472	-10	565	755	980	508	783	1208	112	2000	2416	100	100	140
10	520	470	-7	565	755	980	508	783	1208	112	2000	2416	100	100	140
11	520	470	-7	565	755	980	508	783	1208	112	2000	2416	100	100	140
12	522	472	-7	565	755	980	508	783	1208	112	2000	2416	100	100	140
13	620	570	-7	565	755	980	508	783	1208	112	2000	2416	100	100	140
14	620	570	-7	565	755	980	508	783	1208	112	2000	2416	100	100	140
15	622	572	-7	565	755	980	508	783	1208	112	2000	2416	100	100	140
16	720	670	-7	565	755	980	508	783	1458	112	2500	2916	100	100	140
17	720	670	-7	565	755	980	508	783	1458	112	2500	2916	100	130	140
18	720	670	-7	565	755	980	508	783	1458	112	2500	2916	100	130	140
19	724	674	-7	565	755	980	508	783	1458	112	2500	2916	100	130	140
20	840	790	-27	565	755	980	488	763	1793	125	3150	3586	100	130	150
21	840	790	-27	565	755	980	488	763	1793	125	3150	3586	100	130	150
22	844	794	-27	565	755	980	488	763	1793	125	3150	3586	100	160	150
23	842	792	-27	565	755	980	488	763	1793	125	3150	3586	100	160	150
24	844	794	-22	565	755	980	488	763	1793	125	3150	3586	100	160	150
25	944	894	-22	565	755	980	488	763	2274	200	4000	4548	100	160	175
26	942	892	-22	565	755	980	563	763	2274	200	4000	4548	100	160	175
27	942	892	-22	565	755	980	563	763	2274	200	4000	4548	100	160	175
28	1042	992	-22	565	755	980	563	763	2274	200	4000	4548	100	160	175
29	1042	992	-22	565	755	980	563	763	2274	200	4000	4548	100	160	175
30	1052	1002	-22	565	755	980	563	763	2294	200	4000	4588	130	160	175

- 1) On the crane power supply side increase I_{an1} or I_{an2} by 120 mm.
- 2) I_{an3,4} and L_{okt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

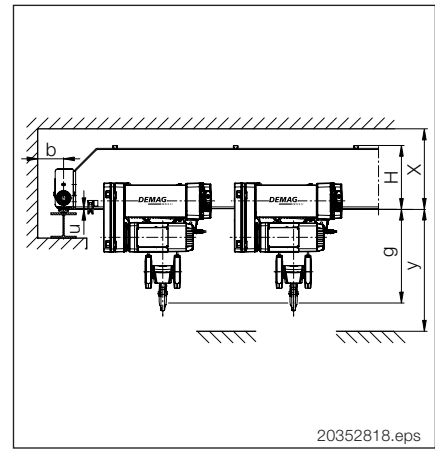
All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 2x 2,5 t

Crane girder: Box girder; design 1
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 2x EKDR 3 - 2,5 4/1-10 Z-12,5 FEM 3m



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Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3, 4} 2)	d	e _{KT}	I _{EKT} 2)		DPZ		b
					H12/H20	H12						H20	V _{KR} = 40	V _{KR} = 40	V _{KR} = 40	
4	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
5	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
6	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
7	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
8	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
9	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
10	620	570	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
11	620	570	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
12	720	670	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
13	720	670	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
14	724	674	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140	
15	722	672	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140	
16	722	672	-2	625	695	920	368	783	1458	112	2500	2916	100	130	140	
17	727	677	-2	625	695	920	368	783	1458	112	2500	2916	100	130	140	
18	822	772	-2	625	695	920	368	783	1458	112	2500	2916	100	130	140	
19	822	772	-2	625	695	920	368	783	1458	112	2500	2916	100	130	140	
20	847	797	-22	625	695	920	348	763	1793	125	3150	3586	100	130	150	
21	942	892	-22	625	695	920	348	763	1793	125	3150	3586	100	160	150	
22	942	892	-22	625	695	920	348	763	1813	125	3150	3626	130	160	150	
23	942	892	-22	625	695	920	348	763	1813	125	3150	3626	130	160	150	
24	944	894	-22	625	695	920	348	763	1813	125	3150	3626	130	160	150	
25	1044	994	-22	625	695	920	348	763	2294	200	4000	4588	130	160	175	
26	1042	992	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175	
27	1042	992	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175	
28	1142	1092	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175	
29	1142	1092	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175	
30	1152	1102	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175	

- 1) On the crane power supply side increase I_{an1} or I_{an2} by 120 mm.
- 2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

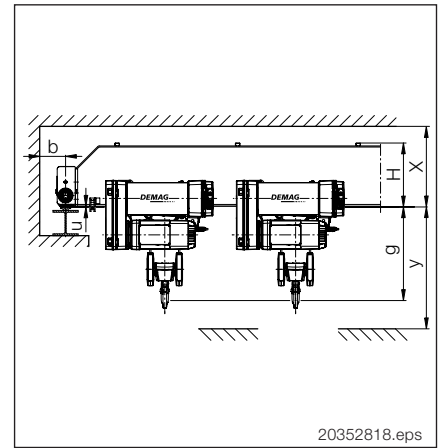
All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked.

EKKE SWL 2x 3.2 t

Crane girder: Box girder; design 1
 Driven carriage: DFW-L-E ___ / ___ /S
 Crab: 2x EKDR 3 -3.2 4/1-10 Z-12,5 FEM 2m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} 1)	I _{an 2} 1)		g	y	I _{an 3, 4} 2)	d	e _{KT}	I _{EKT} 2)	DPZ		b
					H12	H20							V _{KR} = 40	V _{KR} = 60	
4	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
5	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
6	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	100	140
7	522	472	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140
8	522	472	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140
9	522	472	-2	625	695	920	368	783	1208	112	2000	2416	100	100	140
10	642	592	-22	625	695	920	348	763	1218	125	2000	2436	100	100	150
11	642	592	-22	625	695	920	348	763	1218	125	2000	2436	100	100	150
12	742	692	-22	625	695	920	348	763	1218	125	2000	2436	100	100	150
13	742	692	-22	625	695	920	348	763	1218	125	2000	2436	100	100	150
14	742	692	-22	625	695	920	348	763	1218	125	2000	2436	100	100	150
15	842	792	-22	625	695	920	348	763	1218	125	2000	2436	100	100	150
16	842	792	-22	625	695	920	348	763	1468	125	2500	2936	100	130	150
17	844	794	-22	625	695	920	348	763	1468	125	2500	2936	100	130	150
18	847	797	-22	625	695	920	348	763	1468	125	2500	2936	100	130	150
19	942	892	-22	625	695	920	348	763	1468	125	2500	2936	100	130	150
20	944	894	-22	625	695	920	348	763	1813	125	3150	3626	130	130	150
21	1044	994	-22	625	695	920	348	763	1813	125	3150	3626	130	160	150
22	1042	992	-22	625	695	920	348	763	1813	125	3150	3626	130	160	150
23	1042	992	-22	625	695	920	348	763	1813	125	3150	3626	130	160	150
24	1042	992	-22	625	695	920	348	763	1813	125	3150	3626	130	160	150
25	1042	992	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175
26	1044	994	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175
27	1144	1094	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175
28	1144	1094	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175
29	1147	1097	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175
30	1152	1102	-22	625	695	920	423	763	2294	200	4000	4588	130	160	175

- 1) On the crane power supply side increase I_{an1} or I_{an2} by 120 mm.
- 2) I_{an3,4} and L_{okt} may increase at V_{KR}=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60
130	160		

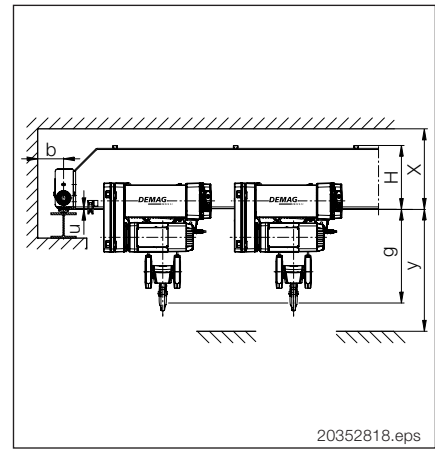
All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 2x 4 t

Crane girder: Box girder; design 1
 Driven carriage: DFW-L-E ___ / ___ /S
 Crab: 2x EKDR 5 -4 4/1-10 Z-12,5 FEM 3m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} 1)		g	y	I _{an 3, 4} 2)		d	e _{KT}	DPZ		b	
				H12/H20	H12			H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 60		
4	520	470	-7	645	695	930	393	858	1208	112	2000	2416	100	100	140
5	540	490	-27	645	695	930	373	838	1218	125	2000	2436	100	100	150
6	540	490	-27	645	695	930	373	838	1218	125	2000	2436	100	100	150
7	540	490	-27	645	695	930	373	838	1218	125	2000	2436	100	100	150
8	542	492	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
9	642	592	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
10	642	592	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
11	742	692	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
12	742	692	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
13	744	694	-22	645	695	930	373	838	1218	125	2000	2436	100	130	150
14	842	792	-22	645	695	930	373	838	1218	125	2000	2436	100	130	150
15	842	792	-22	645	695	930	373	838	1218	125	2000	2436	100	130	150
16	837	787	-12	645	695	930	383	848	1496	160	2500	2992	100	130	175
17	934	884	-12	645	695	930	383	848	1496	160	2500	2992	100	130	175
18	934	884	-12	645	695	930	383	848	1496	160	2500	2992	100	160	175
19	942	892	-12	645	695	930	383	848	1496	160	2500	2992	100	160	175
20	1032	982	-12	645	695	930	383	848	1821	160	3150	3642	100	160	175
21	1032	982	-12	645	695	930	383	848	1841	160	3150	3682	130	160	175
22	1034	984	-12	645	695	930	383	848	1841	160	3150	3682	130	160	175
23	1037	987	-12	645	695	930	383	848	1841	160	3150	3682	130	160	175
24	1042	992	-12	645	695	930	383	848	1841	160	3150	3682	130	160	175
25	1047	997	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
26	1144	1094	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
27	1147	1097	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
28	1152	1102	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
29	1152	1102	-17	645	695	930	448	838	2294	200	4000	4588	130	160	175
30	1157	1107	-17	645	695	930	448	838	2294	200	4000	4588	130	160	175

- 1) On the crane power supply side increase I_{an1} or I_{an2} by 120 mm.
- 2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

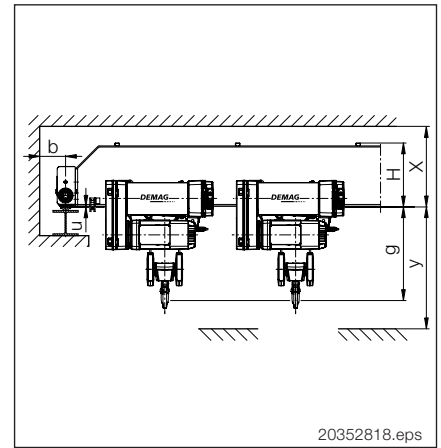
All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked.

EKKE SWL 2x 5 t

Crane girder: Box girder; design 1
 Driven carriage: DFW-L-E ___ / ___ /S
 Crab: 2x EKDR 5 -5 4/1-10 Z-12,5 FEM 2m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} 1)		g	y	I _{an 3, 4} 2)		d	e _{KT}	DPZ			b
				H12/H20	H12			H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 40	V _{KR} = 60	
4	542	492	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
5	542	492	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
6	542	492	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
7	542	492	-22	645	695	930	373	838	1218	125	2000	2436	100	100	150
8	632	582	-12	645	695	930	383	848	1246	160	2000	2492	100	100	175
9	632	582	-12	645	695	930	383	848	1246	160	2000	2492	100	100	175
10	732	682	-12	645	695	930	383	848	1246	160	2000	2492	100	100	175
11	732	682	-12	645	695	930	383	848	1246	160	2000	2492	100	100	175
12	832	782	-12	645	695	930	383	848	1246	160	2000	2492	100	130	175
13	832	782	-12	645	695	930	383	848	1246	160	2000	2492	100	130	175
14	834	784	-12	645	695	930	383	848	1246	160	2000	2492	100	130	175
15	934	884	-12	645	695	930	383	848	1246	160	2000	2492	100	130	175
16	937	887	-12	645	695	930	383	848	1496	160	2500	2992	100	130	175
17	942	892	-12	645	695	930	383	848	1496	160	2500	2992	100	160	175
18	1034	984	-12	645	695	930	383	848	1496	160	2500	2992	100	160	175
19	1034	984	-12	645	695	930	383	848	1496	160	2500	2992	100	160	175
20	1034	984	-12	645	695	930	383	848	1841	160	3150	3682	130	160	175
21	1037	987	-12	645	695	930	383	848	1841	160	3150	3682	130	160	175
22	1042	992	-12	645	695	930	383	848	1841	160	3150	3682	130	160	175
23	1037	987	-12	645	695	930	458	848	1841	160	3150	3682	130	160	175
24	1134	1084	-12	645	695	930	458	848	1841	160	3150	3682	130	160	175
25	1147	1097	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
26	1147	1097	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
27	1292	1242	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
28	1294	1244	-22	645	695	930	448	838	2294	200	4000	4588	130	160	175
29	1297	1247	-17	645	695	930	448	838	2294	200	4000	4588	130	160	175
30	1307	1257	-17	645	695	930	448	838	2294	200	4000	4588	130	160	175

- 1) On the crane power supply side increase I_{an1} or I_{an2} by 120 mm.
- 2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

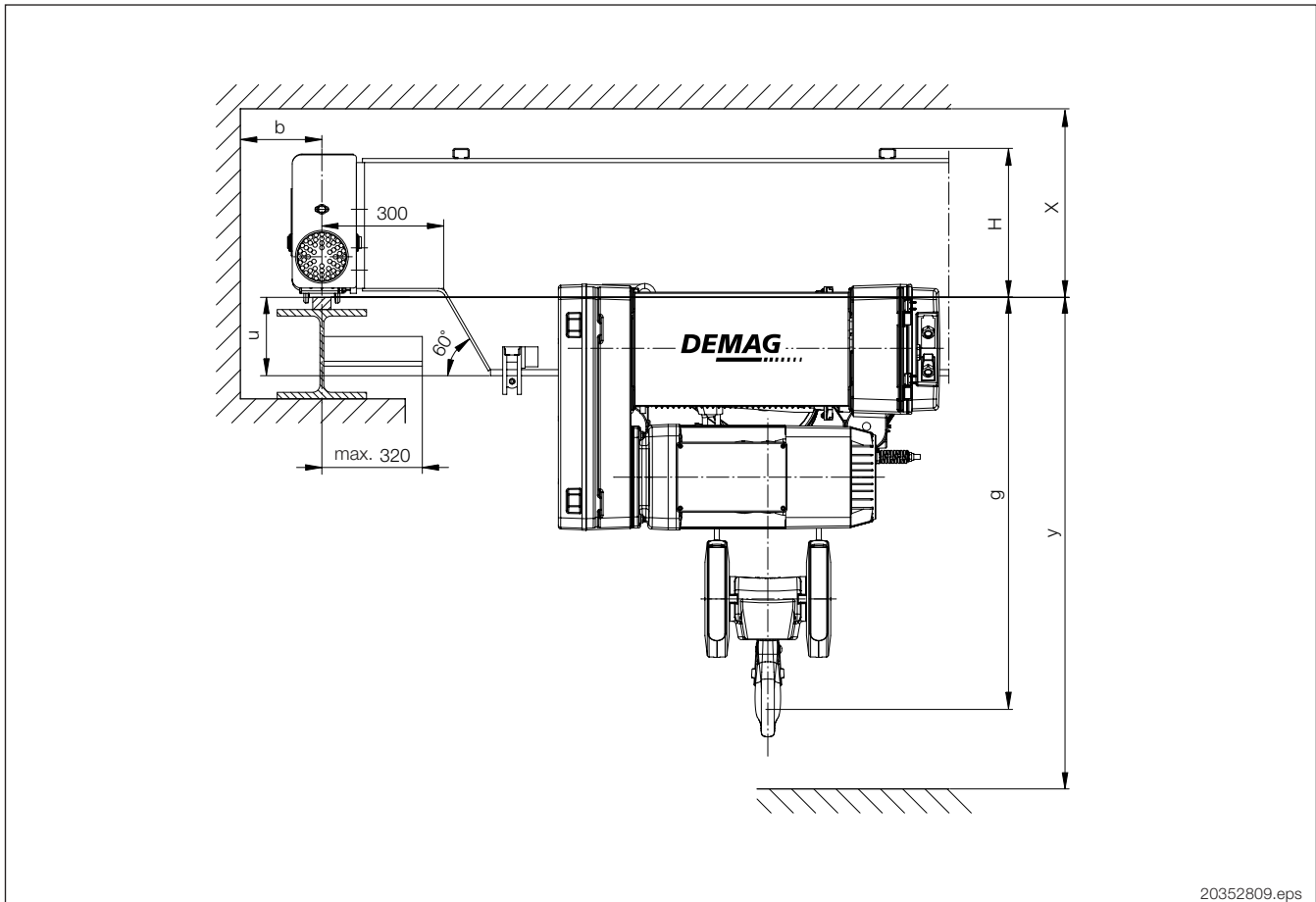
All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 1 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

Demag EKKE standard single-girder overhead travelling crane

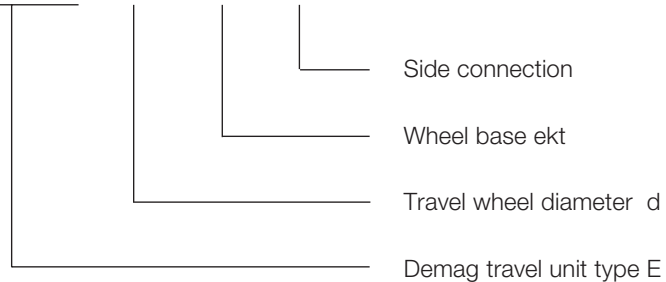
Crane girder: Box girder; design 2
 Travel unit: DFW-L-E___/___/S
 Monorail hoist: 1 x EKDR



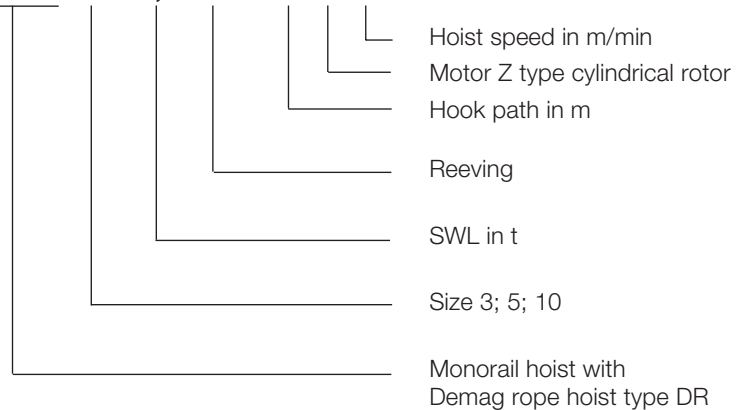
20352809.eps

Type designation

DFW-L-E 112 / 2000 / S



EKDR 3 - 1,6 2/1 - 20 Z-25 FEM 2m



EKKE SWL 1,6 t

Crane girder:

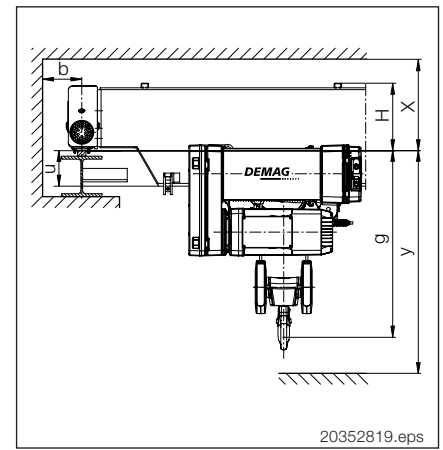
Box girder; design 2

Driven carriage:

DFW-L-E___/___/S

Crab:

1x EKDR 3 - 1,6 2/1-20 Z-12,5 FEM 2m



Hook path: 20 or 12 m; Lifting speed: 12/2 m/min; 18/3 m/min or 1-25 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit									
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	I _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	428	378	80	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
5	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
6	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
7	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
8	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
9	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
10	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
11	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
12	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
13	428	378	82	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
14	428	378	85	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
15	428	378	85	700	955	1180	600	875	1208	112	2000	2416	100	100	140	
16	430	380	85	700	955	1180	600	875	1458	112	2500	2916	100	100	140	
17	428	378	185	760	1015	1240	700	975	1458	112	2500	2916	100	100	140	
18	428	378	185	760	1015	1240	700	975	1458	112	2500	2916	100	100	140	
19	430	380	185	760	1015	1240	700	975	1458	112	2500	2916	100	100	140	
20	448	398	265	820	1075	1300	780	1055	1793	125	3150	3586	100	130	150	
21	448	398	265	820	1075	1300	780	1055	1793	125	3150	3586	100	130	150	
22	448	398	265	820	1075	1300	780	1055	1793	125	3150	3586	100	130	150	
23	452	402	265	820	1075	1300	780	1055	1793	125	3150	3586	100	130	150	
24	448	398	365	820	1075	1300	880	1155	1793	125	3150	3586	100	130	150	
25	525	475	288	820	1075	1300	803	1078	2274	200	4000	4548	100	160	175	
26	529	479	288	820	1075	1300	803	1078	2274	200	4000	4548	100	160	175	
27	525	475	288	820	1075	1300	878	1078	2274	200	4000	4548	100	160	175	
28	525	475	388	820	1075	1300	978	1178	2274	200	4000	4548	100	160	175	
29	525	475	388	820	1075	1300	978	1178	2274	200	4000	4548	100	160	175	
30	527	477	388	820	1075	1300	978	1178	2274	200	4000	4548	100	160	175	

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 2,5 t

Crane girder:

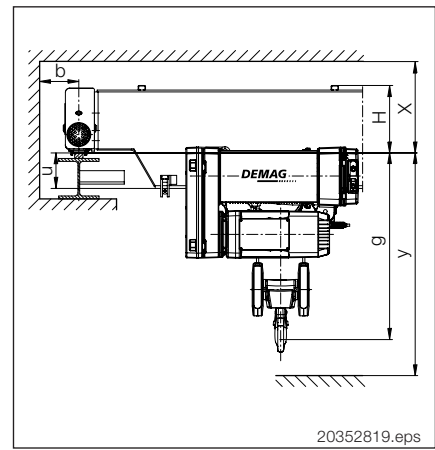
Box girder; design 2

Driven carriage:

DFW-L-E___/___/S

Crab:

1x EKDR 3 -2.5 4/1-10 Z-12,5 FEM 3m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	I _{EKT 2)} V _{KR} = 40	DPZ		b
					H12	H20							V _{KR} = 40	V _{KR} = 60	
4	428	378	82	760	895	1120	460	875	1208	112	2000	2416	100	100	140
5	428	378	82	760	895	1120	460	875	1208	112	2000	2416	100	100	140
6	428	378	82	760	895	1120	460	875	1208	112	2000	2416	100	100	140
7	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140
8	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140
9	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140
10	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140
11	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140
12	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140
13	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140
14	428	378	185	820	955	1180	560	975	1208	112	2000	2416	100	100	140
15	428	378	185	820	955	1180	560	975	1208	112	2000	2416	100	100	140
16	428	378	185	820	955	1180	560	975	1458	112	2500	2916	100	100	140
17	430	380	185	820	955	1180	560	975	1458	112	2500	2916	100	100	140
18	428	378	285	880	1015	1240	660	1075	1458	112	2500	2916	100	100	140
19	428	378	285	880	1015	1240	660	1075	1458	112	2500	2916	100	100	140
20	450	400	265	880	1015	1240	640	1055	1793	125	3150	3586	100	130	150
21	452	402	265	880	1015	1240	640	1055	1793	125	3150	3586	100	130	150
22	448	398	365	880	1015	1240	740	1155	1793	125	3150	3586	100	130	150
23	450	400	365	880	1015	1240	740	1155	1793	125	3150	3586	100	130	150
24	450	400	365	880	1015	1240	740	1155	1793	125	3150	3586	100	130	150
25	525	475	388	880	1015	1240	763	1178	2274	200	4000	4548	100	160	175
26	529	479	388	880	1015	1240	763	1178	2274	200	4000	4548	100	160	175
27	525	475	388	880	1015	1240	838	1178	2274	200	4000	4548	100	160	175
28	527	477	388	880	1015	1240	838	1178	2274	200	4000	4548	100	160	175
29	527	477	488	880	1015	1240	938	1278	2274	200	4000	4548	100	160	175
30	527	477	488	880	1015	1240	938	1278	2274	200	4000	4548	100	160	175

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked.

EKKE SWL 2,5 t

Crane girder:

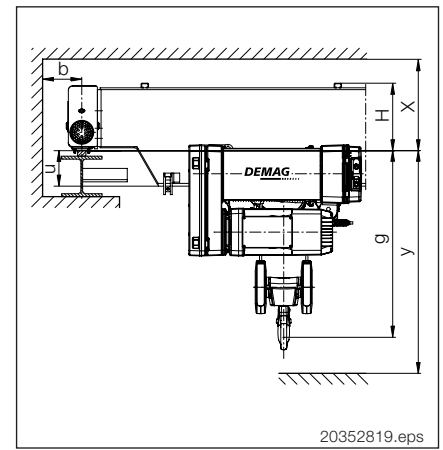
Box girder; design 2

Driven carriage:

DFW-L-E ___ / ___ /S

Crab:

1x EKDR 5 -2.5 2/1-20 Z-25 FEM 2m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	I _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60			
4	428	378	85	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
5	428	378	85	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
6	428	378	85	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
7	428	378	85	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
8	428	378	85	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
9	428	378	85	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
10	428	378	85	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
11	432	382	85	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
12	430	380	90	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
13	430	380	90	705	970	1205	610	950	1208	112	2000	2416	100	100	140	
14	430	380	190	765	1030	1265	710	1050	1208	112	2000	2416	100	100	140	
15	430	380	190	765	1030	1265	710	1050	1208	112	2000	2416	100	100	140	
16	430	380	190	765	1030	1265	710	1050	1458	112	2500	2916	100	100	140	
17	430	380	190	765	1030	1265	710	1050	1458	112	2500	2916	100	100	140	
18	430	380	290	825	1090	1325	810	1150	1458	112	2500	2916	100	130	140	
19	430	380	290	825	1090	1325	810	1150	1458	112	2500	2916	100	130	140	
20	450	400	270	825	1090	1325	790	1130	1793	125	3150	3586	100	130	150	
21	450	400	270	825	1090	1325	790	1130	1793	125	3150	3586	100	130	150	
22	450	400	370	825	1090	1325	890	1230	1793	125	3150	3586	100	130	150	
23	450	400	370	825	1090	1325	890	1230	1793	125	3150	3586	100	130	150	
24	450	400	370	825	1090	1325	890	1230	1793	125	3150	3586	100	160	150	
25	527	477	293	825	1090	1325	813	1153	2274	200	4000	4548	100	160	175	
26	532	482	293	825	1090	1325	813	1153	2274	200	4000	4548	100	160	175	
27	527	477	393	825	1090	1325	988	1253	2274	200	4000	4548	100	160	175	
28	527	477	393	825	1090	1325	988	1253	2274	200	4000	4548	100	160	175	
29	527	477	493	825	1090	1325	1088	1353	2274	200	4000	4548	100	160	175	
30	532	482	493	825	1090	1325	1088	1353	2294	200	4000	4588	130	160	175	

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 3.2 t

Crane girder:

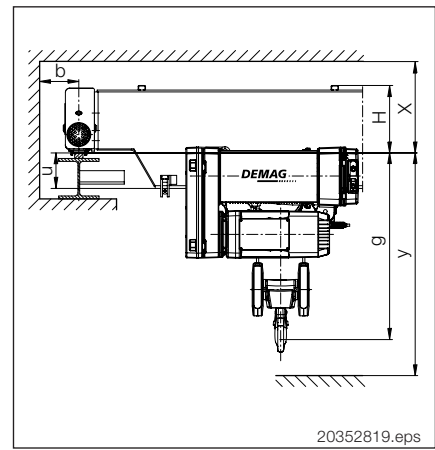
Box girder; design 2

Driven carriage:

DFW-L-E ___ / ___ /S

Crab:

1x EKDR 3 -3.2 4/1-10 Z-12,5 FEM 2m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	l _{an 1} H12/H20	l _{an 2}		g	y	l _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	l _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
5	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
6	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
7	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
8	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
9	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
10	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
11	430	380	90	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
12	430	380	90	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
13	432	382	90	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
14	430	380	190	820	955	1180	560	975	1208	112	2000	2416	100	100	140	
15	430	380	190	820	955	1180	560	975	1208	112	2000	2416	100	100	140	
16	430	380	190	820	955	1180	560	975	1458	112	2500	2916	100	100	140	
17	432	382	190	820	955	1180	560	975	1458	112	2500	2916	100	100	140	
18	430	380	290	880	1015	1240	660	1075	1458	112	2500	2916	100	100	140	
19	430	380	290	880	1015	1240	660	1075	1458	112	2500	2916	100	130	140	
20	452	402	270	880	1015	1240	640	1055	1793	125	3150	3586	100	130	150	
21	450	400	370	880	1015	1240	740	1155	1793	125	3150	3586	100	130	150	
22	450	400	370	880	1015	1240	740	1155	1793	125	3150	3586	100	130	150	
23	450	400	370	880	1015	1240	740	1155	1793	125	3150	3586	100	130	150	
24	450	400	370	880	1015	1240	740	1155	1793	125	3150	3586	100	160	150	
25	527	477	393	880	1015	1240	763	1178	2274	200	4000	4548	100	160	175	
26	529	479	393	880	1015	1240	763	1178	2274	200	4000	4548	100	160	175	
27	527	477	393	880	1015	1240	838	1178	2274	200	4000	4548	100	160	175	
28	529	479	393	880	1015	1240	838	1178	2274	200	4000	4548	100	160	175	
29	527	477	493	880	1015	1240	938	1278	2274	200	4000	4548	100	160	175	
30	527	477	493	880	1015	1240	938	1278	2274	200	4000	4548	100	160	175	

2) l_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$l_{an3,4}(V_{KR}=60) = l_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$l_{an3,4}(V_{KR}=60) = l_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$l_{an3,4}(V_{KR}=60) = l_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked.

26 Please note the information on the folder.

EKKE SWL 5 t

Crane girder:

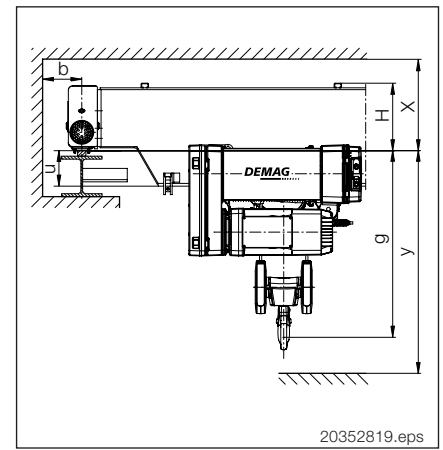
Box girder; design 2

Driven carriage:

DFW-L-E___/___/S

Crab:

1x EKDR 5 -5 4/1-10 Z-12,5 FEM 2m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit									
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	I _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	428	378	85	785	890	1125	485	950	1208	112	2000	2416	100	100	140	
5	428	378	85	785	890	1125	485	950	1208	112	2000	2416	100	100	140	
6	428	378	85	785	890	1125	485	950	1208	112	2000	2416	100	100	140	
7	428	378	85	785	890	1125	485	950	1208	112	2000	2416	100	100	140	
8	428	378	85	785	890	1125	485	950	1208	112	2000	2416	100	100	140	
9	428	378	85	785	890	1125	485	950	1208	112	2000	2416	100	100	140	
10	432	382	85	785	890	1125	485	950	1208	112	2000	2416	100	100	140	
11	428	378	185	845	950	1185	585	1050	1208	112	2000	2416	100	100	140	
12	430	380	185	845	950	1185	585	1050	1208	112	2000	2416	100	100	140	
13	428	378	285	905	1010	1245	685	1150	1208	112	2000	2416	100	100	140	
14	428	378	285	905	1010	1245	685	1150	1208	112	2000	2416	100	100	140	
15	432	382	285	905	1010	1245	685	1150	1208	112	2000	2416	100	100	140	
16	430	380	290	905	1010	1245	685	1150	1458	112	2500	2916	100	100	140	
17	435	385	290	905	1010	1245	685	1150	1458	112	2500	2916	100	130	140	
18	430	380	390	905	1010	1245	785	1250	1458	112	2500	2916	100	130	140	
19	430	380	390	905	1010	1245	785	1250	1458	112	2500	2916	100	130	140	
20	455	405	370	905	1010	1245	765	1230	1793	125	3150	3586	100	130	150	
21	450	400	470	905	1010	1245	865	1330	1793	125	3150	3586	100	130	150	
22	450	400	470	905	1010	1245	865	1330	1793	125	3150	3586	100	130	150	
23	450	400	470	905	1010	1245	865	1330	1793	125	3150	3586	100	160	150	
24	450	400	470	905	1010	1245	865	1330	1793	125	3150	3586	100	160	150	
25	527	477	493	905	1010	1245	888	1353	2274	200	4000	4548	100	160	175	
26	527	477	493	905	1010	1245	963	1353	2274	200	4000	4548	100	160	175	
27	527	477	493	905	1010	1245	963	1353	2274	200	4000	4548	100	160	175	
28	529	479	493	905	1010	1245	963	1353	2274	200	4000	4548	100	160	175	
29	527	477	593	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175	
30	532	482	593	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175	

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

All dimensions in mm (L_{KR} in m).

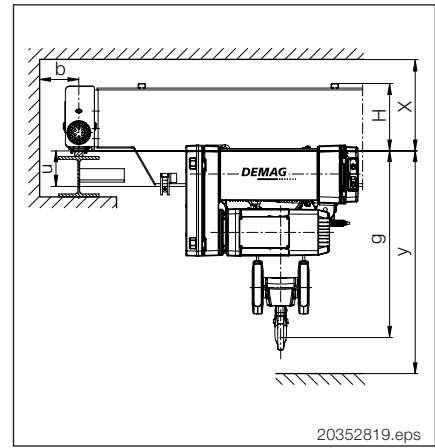
For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

203529K6-p65/030605

EKKE SWL 5 t

Crane girder: Box girder; design 2
 Driven carriage: DFW-L-E ___ / ___ /S
 Crab: 1x EKDR 10 -5 2/1-20 Z-25 FEM 2m



20352819.eps

Hook path: 20 or 12 m; Lifting speed: 10/1,7 m/min; 2-18 m/min or 2-25 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	I _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	428	378	85	760	1050	1310	720	976	1208	112	2000	2416	100	100	140	
5	428	378	85	760	1050	1310	720	976	1208	112	2000	2416	100	100	140	
6	428	378	85	760	1050	1310	720	976	1208	112	2000	2416	100	100	140	
7	430	380	90	760	1050	1310	720	976	1208	112	2000	2416	100	100	140	
8	430	380	90	760	1050	1310	720	976	1208	112	2000	2416	100	100	140	
9	430	380	90	760	1050	1310	720	976	1208	112	2000	2416	100	100	140	
10	430	380	90	760	1050	1310	720	976	1208	112	2000	2416	100	100	140	
11	430	380	190	820	1110	1370	820	1076	1208	112	2000	2416	100	100	140	
12	430	380	190	820	1110	1370	820	1076	1208	112	2000	2416	100	100	140	
13	430	380	190	820	1110	1370	820	1076	1208	112	2000	2416	100	100	140	
14	430	380	290	880	1170	1430	920	1176	1208	112	2000	2416	100	100	140	
15	430	380	290	880	1170	1430	920	1176	1208	112	2000	2416	100	100	140	
16	430	380	290	880	1170	1430	920	1176	1458	112	2500	2916	100	130	140	
17	435	385	290	880	1170	1430	920	1176	1458	112	2500	2916	100	130	140	
18	450	400	370	880	1170	1430	1000	1256	1468	125	2500	2936	100	130	150	
19	450	400	370	880	1170	1430	1000	1256	1468	125	2500	2936	100	130	150	
20	455	405	370	880	1170	1430	1000	1256	1793	125	3150	3586	100	130	150	
21	450	400	470	880	1170	1430	1100	1356	1793	125	3150	3586	100	160	150	
22	450	400	470	880	1170	1430	1100	1356	1793	125	3150	3586	100	160	150	
23	450	400	470	880	1170	1430	1100	1356	1793	125	3150	3586	100	160	150	
24	452	402	470	880	1170	1430	1100	1356	1793	125	3150	3586	100	160	150	
25	529	479	493	880	1170	1430	1123	1379	2274	200	4000	4548	100	160	175	
26	527	477	493	880	1170	1430	1223	1379	2274	200	4000	4548	100	160	175	
27	527	477	493	880	1170	1430	1223	1379	2274	200	4000	4548	100	160	175	
28	532	482	493	880	1170	1430	1223	1379	2294	200	4000	4588	130	160	175	
29	527	477	593	880	1170	1430	1323	1479	2294	200	4000	4588	130	160	175	
30	537	487	593	880	1170	1430	1323	1479	2294	200	4000	4588	130	160	175	

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked.

28 Please note the information on the folder.

EKKE SWL 5 t

Crane girder:

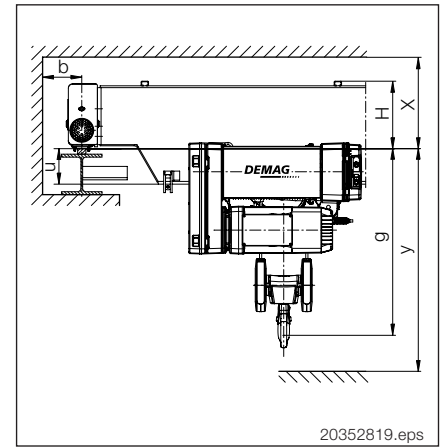
Driven carriage:

Crab:

Box girder; design 2

DFW-L-E ___ / ___ /S

1x EKDR 10 -5 4/2-11.35 Z-25 FEM 2m



Hook path: 11,35 or 5,8 m; Lifting speed: 10/1,7 m/min; 2-18 m/min or 2-25 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4} 2) V _{KR} = 40	d	e _{KT}	I _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	428	378	85	905	905	1035	635	976	1208	112	2000	2416	100	100	140	
5	428	378	85	905	905	1035	635	976	1208	112	2000	2416	100	100	140	
6	428	378	85	905	905	1035	635	976	1208	112	2000	2416	100	100	140	
7	428	378	85	905	905	1035	635	976	1208	112	2000	2416	100	100	140	
8	428	378	85	905	905	1035	635	976	1208	112	2000	2416	100	100	140	
9	428	378	85	905	905	1035	635	976	1208	112	2000	2416	100	100	140	
10	432	382	85	905	905	1035	635	976	1208	112	2000	2416	100	100	140	
11	428	378	185	965	965	1095	735	1076	1208	112	2000	2416	100	100	140	
12	430	380	185	965	965	1095	735	1076	1208	112	2000	2416	100	100	140	
13	428	378	285	1025	1025	1155	835	1176	1208	112	2000	2416	100	100	140	
14	428	378	285	1025	1025	1155	835	1176	1208	112	2000	2416	100	100	140	
15	430	380	285	1025	1025	1155	835	1176	1208	112	2000	2416	100	100	140	
16	430	380	290	1025	1025	1155	835	1176	1458	112	2500	2916	100	130	140	
17	435	385	290	1025	1025	1155	835	1176	1458	112	2500	2916	100	130	140	
18	430	380	390	1025	1025	1155	935	1276	1458	112	2500	2916	100	130	140	
19	430	380	390	1025	1025	1155	935	1276	1458	112	2500	2916	100	130	140	
20	455	405	370	1025	1025	1155	915	1256	1793	125	3150	3586	100	130	150	
21	450	400	470	1025	1025	1155	1015	1356	1793	125	3150	3586	100	160	150	
22	450	400	470	1025	1025	1155	1015	1356	1793	125	3150	3586	100	160	150	
23	450	400	470	1025	1025	1155	1015	1356	1793	125	3150	3586	100	160	150	
24	452	402	470	1025	1025	1155	1015	1356	1793	125	3150	3586	100	160	150	
25	529	479	493	1025	1025	1155	1038	1379	2274	200	4000	4548	100	160	175	
26	527	477	493	1025	1025	1155	1138	1379	2274	200	4000	4548	100	160	175	
27	527	477	493	1025	1025	1155	1138	1379	2274	200	4000	4548	100	160	175	
28	532	482	493	1025	1025	1155	1138	1379	2294	200	4000	4588	130	160	175	
29	527	477	593	1025	1025	1155	1238	1479	2294	200	4000	4588	130	160	175	
30	537	487	593	1025	1025	1155	1238	1479	2294	200	4000	4588	130	160	175	

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

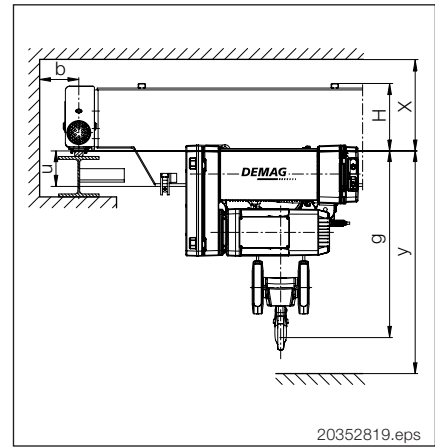
All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 6.3 t

Crane girder: Box girder; design 2
 Driven carriage: DFW-L-E ___ / ___ /S
 Crab: 1x EKDR 10 -6.3 4/1-10 Z-12,5 FEM 4m



Hook path: 10 or 6 m; Lifting speed: 5/0,8 m/min; 1 - 9 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	I _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	428	378	85	875	935	1195	820	976	1208	112	2000	2416	100	100	140	
5	428	378	85	875	935	1195	820	976	1208	112	2000	2416	100	100	140	
6	430	380	90	875	935	1195	820	976	1208	112	2000	2416	100	100	140	
7	450	400	70	875	935	1195	800	956	1218	125	2000	2436	100	100	150	
8	450	400	70	875	935	1195	800	956	1218	125	2000	2436	100	100	150	
9	450	400	70	875	935	1195	800	956	1218	125	2000	2436	100	100	150	
10	450	400	170	935	995	1255	900	1056	1218	125	2000	2436	100	100	150	
11	450	400	170	935	995	1255	900	1056	1218	125	2000	2436	100	100	150	
12	450	400	270	995	1055	1315	1000	1156	1218	125	2000	2436	100	100	150	
13	450	400	270	995	1055	1315	1000	1156	1218	125	2000	2436	100	100	150	
14	450	400	270	995	1055	1315	1000	1156	1218	125	2000	2436	100	100	150	
15	450	400	370	995	1055	1315	1100	1256	1218	125	2000	2436	100	130	150	
16	450	400	370	995	1055	1315	1100	1256	1468	125	2500	2936	100	130	150	
17	452	402	370	995	1055	1315	1100	1256	1468	125	2500	2936	100	130	150	
18	455	405	370	995	1055	1315	1100	1256	1468	125	2500	2936	100	130	150	
19	450	400	470	995	1055	1315	1200	1356	1468	125	2500	2936	100	130	150	
20	452	402	470	995	1055	1315	1200	1356	1793	125	3150	3586	100	160	150	
21	452	402	570	995	1055	1315	1300	1456	1793	125	3150	3586	100	160	150	
22	450	400	570	995	1055	1315	1300	1456	1793	125	3150	3586	100	160	150	
23	450	400	570	995	1055	1315	1300	1456	1793	125	3150	3586	100	160	150	
24	450	400	570	995	1055	1315	1300	1456	1793	125	3150	3586	100	160	150	
25	527	477	493	995	1055	1315	1223	1379	2274	200	4000	4548	100	160	175	
26	529	479	493	995	1055	1315	1223	1379	2274	200	4000	4548	100	160	175	
27	529	479	593	995	1055	1315	1323	1479	2294	200	4000	4588	130	160	175	
28	529	479	593	995	1055	1315	1323	1479	2294	200	4000	4588	130	160	175	
29	532	482	593	995	1055	1315	1323	1479	2294	200	4000	4588	130	160	175	
30	537	487	593	995	1055	1315	1323	1479	2294	200	4000	4588	130	160	175	

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked.

30 Please note the information on the folder.

EKKE SWL 8 t

Crane girder:

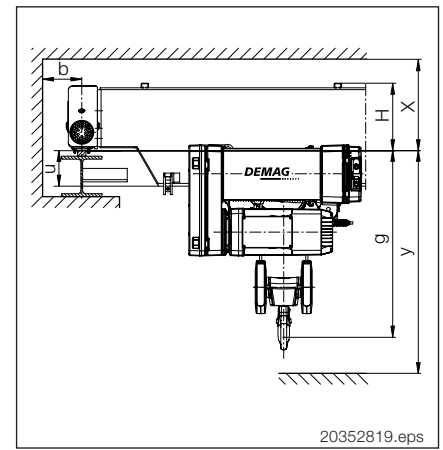
Box girder; design 2

Driven carriage:

DFW-L-E___/___/S

Crab:

1x EKDR 10 -8 4/1-10 Z-12,5 FEM 3m



Hook path: 10 or 6 m; Lifting speed: 5/0,8 m/min; 1 - 9 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit								
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	DPZ		b	
					H12	H20						V _{KR} = 40	V _{KR} = 60		
4	450	400	70	855	955	1215	575	956	1218	125	2000	2436	100	100	150
5	450	400	70	855	955	1215	575	956	1218	125	2000	2436	100	100	150
6	450	400	70	855	955	1215	575	956	1218	125	2000	2436	100	100	150
7	450	400	70	855	955	1215	575	956	1218	125	2000	2436	100	100	150
8	450	400	70	855	955	1215	575	956	1218	125	2000	2436	100	100	150
9	450	400	170	915	1015	1275	675	1056	1218	125	2000	2436	100	100	150
10	450	400	170	915	1015	1275	675	1056	1218	125	2000	2436	100	100	150
11	450	400	270	975	1075	1335	775	1156	1218	125	2000	2436	100	100	150
12	450	400	270	975	1075	1335	775	1156	1218	125	2000	2436	100	100	150
13	452	402	270	975	1075	1335	775	1156	1218	125	2000	2436	100	100	150
14	450	400	370	975	1075	1335	875	1256	1218	125	2000	2436	100	100	150
15	450	400	370	975	1075	1335	875	1256	1218	125	2000	2436	100	130	150
16	445	395	380	975	1075	1335	885	1266	1496	160	2500	2992	100	130	175
17	442	392	480	975	1075	1335	985	1366	1496	160	2500	2992	100	130	175
18	442	392	480	975	1075	1335	985	1366	1496	160	2500	2992	100	130	175
19	440	390	480	975	1075	1335	985	1366	1496	160	2500	2992	100	130	175
20	440	390	580	975	1075	1335	1085	1466	1821	160	3150	3642	100	160	175
21	440	390	580	975	1075	1335	1085	1466	1821	160	3150	3642	100	160	175
22	442	392	580	975	1075	1335	1085	1466	1821	160	3150	3642	100	160	175
23	445	395	580	975	1075	1335	1085	1466	1821	160	3150	3642	100	160	175
24	450	400	580	975	1075	1335	1085	1466	1821	160	3150	3642	100	160	175
25	532	482	493	975	1075	1335	1123	1379	2274	200	4000	4548	100	160	175
26	529	479	593	975	1075	1335	1223	1479	2274	200	4000	4548	100	160	175
27	532	482	593	975	1075	1335	1223	1479	2294	200	4000	4588	130	160	175
28	537	487	593	975	1075	1335	1223	1479	2294	200	4000	4588	130	160	175
29	537	487	598	975	1075	1335	1223	1479	2294	200	4000	4588	130	160	175
30	542	492	598	975	1075	1335	1223	1479	2294	200	4000	4588	130	160	175

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

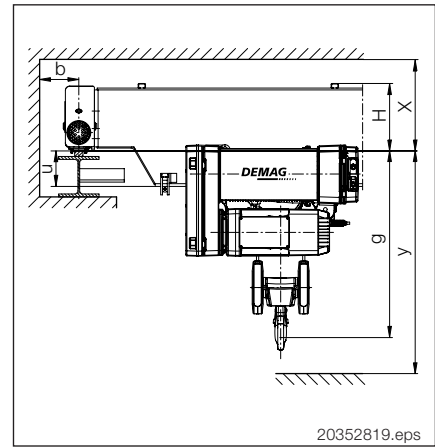
All dimensions in mm (L_{KR} in m).

For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 10 t

Crane girder: Box girder; design 2
 Driven carriage: DFW-L-E ___ / ___ /S
 Crab: 1x EKDR 10 -10 4/1-10 Z-12,5 FEM 2m



Hook path: 10 or 6 m; Lifting speed: 5/0,8 m/min; 1 - 9 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5- 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	DPZ			b
					H12	H20						V _{KR} = 40	V _{KR} = 40	V _{KR} = 60	
4	450	400	70	855	955	1215	575	956	1218	125	2000	2436	100	100	150
5	440	390	80	855	955	1215	585	966	1246	160	2000	2492	100	100	175
6	440	390	80	855	955	1215	585	966	1246	160	2000	2492	100	100	175
7	440	390	180	915	1015	1275	685	1066	1246	160	2000	2492	100	100	175
8	440	390	180	915	1015	1275	685	1066	1246	160	2000	2492	100	100	175
9	440	390	280	975	1075	1335	785	1166	1246	160	2000	2492	100	100	175
10	440	390	280	975	1075	1335	785	1166	1246	160	2000	2492	100	100	175
11	440	390	380	975	1075	1335	885	1266	1246	160	2000	2492	100	100	175
12	442	392	380	975	1075	1335	885	1266	1246	160	2000	2492	100	100	175
13	442	392	385	975	1075	1335	885	1266	1246	160	2000	2492	100	130	175
14	442	392	385	975	1075	1335	885	1266	1246	160	2000	2492	100	130	175
15	445	395	385	975	1075	1335	885	1266	1246	160	2000	2492	100	130	175
16	445	395	485	975	1075	1335	985	1366	1496	160	2500	2992	100	130	175
17	445	395	485	975	1075	1335	985	1366	1496	160	2500	2992	100	130	175
18	442	392	485	975	1075	1335	985	1366	1496	160	2500	2992	100	130	175
19	442	392	585	975	1075	1335	1085	1466	1496	160	2500	2992	100	160	175
20	442	392	585	975	1075	1335	1085	1466	1821	160	3150	3642	100	160	175
21	442	392	585	975	1075	1335	1085	1466	1821	160	3150	3642	100	160	175
22	445	395	585	975	1075	1335	1085	1466	1821	160	3150	3642	100	160	175
23	442	392	585	975	1075	1335	1210	1466	1821	160	3150	3642	100	160	175
24	445	395	585	975	1075	1335	1210	1466	1821	160	3150	3642	100	160	175
25	532	482	598	975	1075	1335	1223	1479	2294	200	4000	4588	130	160	175
26	532	482	598	975	1075	1335	1223	1479	2294	200	4000	4588	130	160	175
27	537	487	598	975	1075	1335	1223	1479	2294	200	4000	4588	130	160	175
28	537	487	598	975	1075	1335	1223	1479	2294	200	4000	4588	130	160	175
29	537	487	748	975	1075	1335	1373	1629	2294	200	4000	4588	130	160	175
30	537	487	748	975	1075	1335	1373	1629	2294	200	4000	4588	130	160	175

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$I_{an3,4}(V_{KR}=60) = I_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

All dimensions in mm (L_{KR} in m).

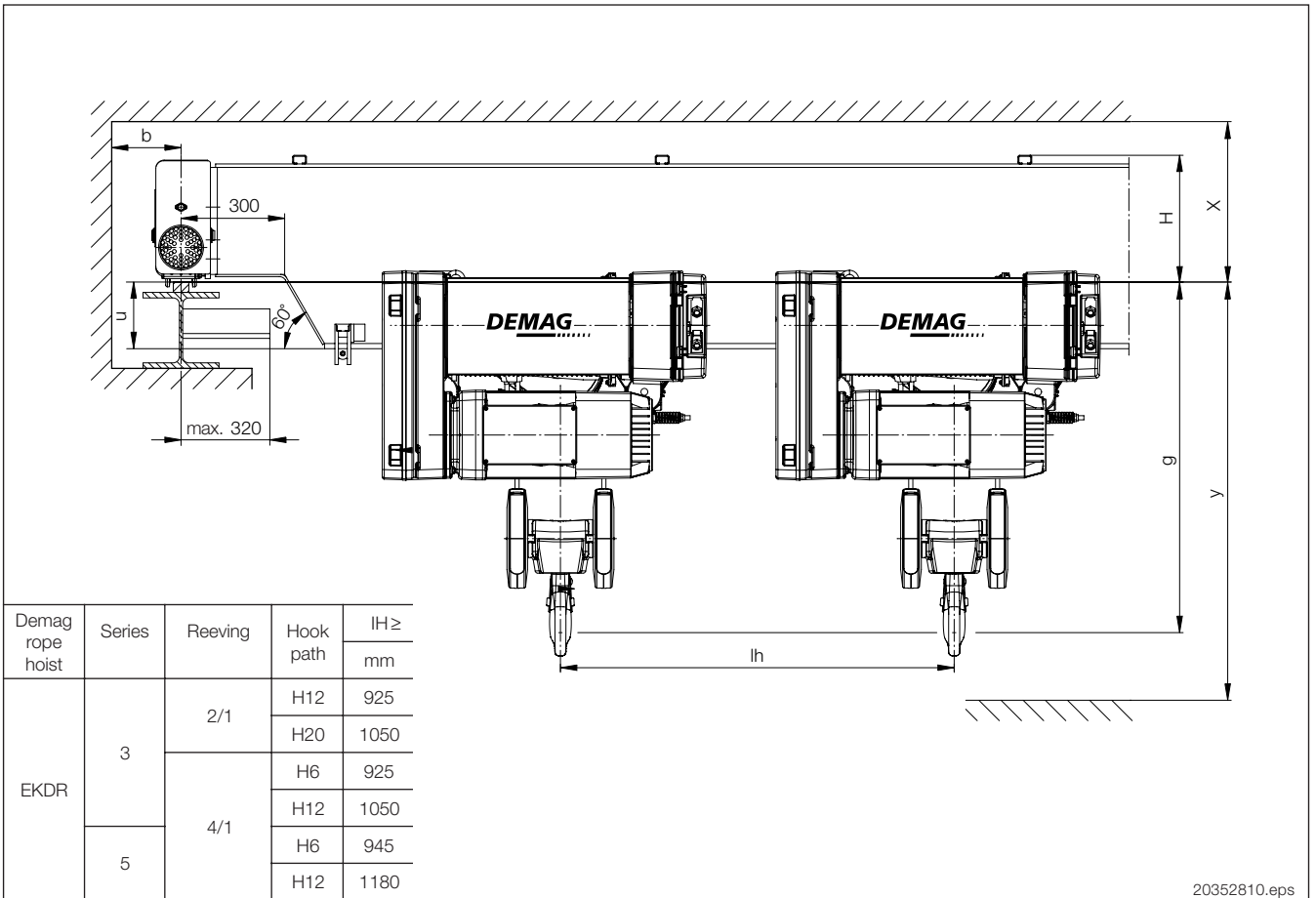
For further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked.

32 Please note the information on the folder.

Demag EKKE standard single-girder overhead travelling crane

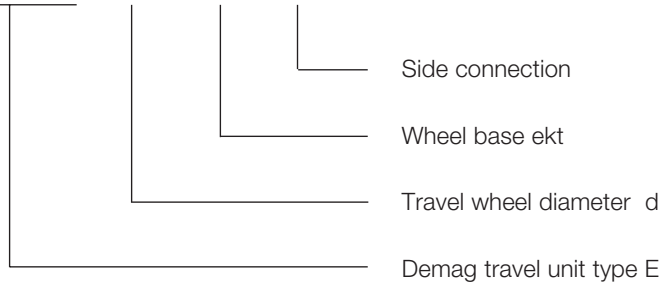
Crane girder: Box girder; design 2
 Travel unit: DFW-L-E___/___/S
 Monorail hoist: 2 x EKDR



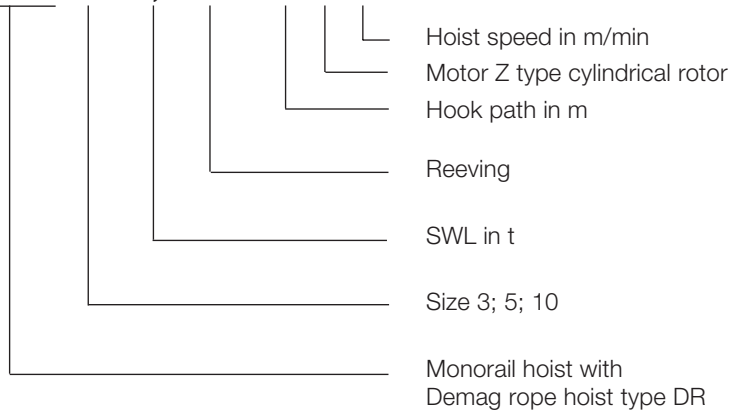
20352810.eps

Type designation

DFW-L-E 112 / 2000 / S

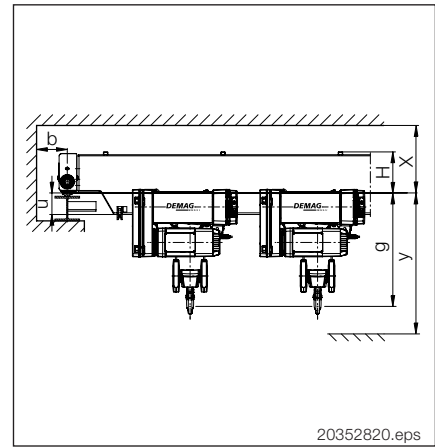


EKDR 3 - 1,6 2/1 - 20 Z-25 FEM 2m



EKKE SWL 2x 1,6 t

Crane girder: Box girder; Design 2
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 2x EKDR 3 - 1,6 2/1-20 Z-25 FEM 2m



20352820.eps

Hook path: 20 or 12 m; Lifting speed: 12/2 m/min; 18/3 m/min or 1-25 m/min infinitely variable

Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit								
L _{KR}	X	H	U	l _{an 1} H12/H20	l _{an 2}		g	y	l _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	l _{EKT 2)} V _{KR} = 40	DPZ		b
					H12	H20							V _{KR} = 40	V _{KR} = 60	
4	428	378	82	700	955	700	600	875	1208	112	2000	2416	100	100	140
5	428	378	82	700	955	700	600	875	1208	112	2000	2416	100	100	140
6	428	378	82	700	955	700	600	875	1208	112	2000	2416	100	100	140
7	428	378	82	700	955	700	600	875	1208	112	2000	2416	100	100	140
8	428	378	82	700	955	700	600	875	1208	112	2000	2416	100	100	140
9	430	380	82	700	955	700	600	875	1208	112	2000	2416	100	100	140
10	428	378	85	700	955	700	600	875	1208	112	2000	2416	100	100	140
11	428	378	85	700	955	700	600	875	1208	112	2000	2416	100	100	140
12	430	380	85	700	955	700	600	875	1208	112	2000	2416	100	100	140
13	428	378	185	760	1015	760	700	975	1208	112	2000	2416	100	100	140
14	428	378	185	760	1015	760	700	975	1208	112	2000	2416	100	100	140
15	430	380	185	760	1015	760	700	975	1208	112	2000	2416	100	100	140
16	428	378	285	820	1075	820	800	1075	1458	112	2500	2916	100	100	140
17	428	378	285	820	1075	820	800	1075	1458	112	2500	2916	100	130	140
18	428	378	285	820	1075	820	800	1075	1458	112	2500	2916	100	130	140
19	432	382	285	820	1075	820	800	1075	1458	112	2500	2916	100	130	140
20	448	398	365	820	1075	820	880	1155	1793	125	3150	3586	100	130	150
21	448	398	365	820	1075	820	880	1155	1793	125	3150	3586	100	130	150
22	452	402	365	820	1075	820	880	1155	1793	125	3150	3586	100	160	150
23	450	400	365	820	1075	820	880	1155	1793	125	3150	3586	100	160	150
24	452	402	370	820	1075	820	880	1155	1793	125	3150	3586	100	160	150
25	529	479	393	820	1075	820	903	1178	2274	200	4000	4548	100	160	175
26	527	477	393	820	1075	820	978	1178	2274	200	4000	4548	100	160	175
27	527	477	393	820	1075	820	978	1178	2274	200	4000	4548	100	160	175
28	527	477	493	820	1075	820	1078	1278	2274	200	4000	4548	100	160	175
29	527	477	493	820	1075	820	1078	1278	2274	200	4000	4548	100	160	175
30	537	487	493	820	1075	820	1078	1278	2294	200	4000	4588	130	160	175

2) l_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ			
V _{KR} =40	V _{KR} =60		
100	100	$l_{an3,4}(V_{KR}=60) = l_{an3,4}(V_{KR}=40)$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40)$
100	130	$l_{an3,4}(V_{KR}=60) = l_{an3,4}(V_{KR}=40) + 20$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 40$
130	160	$l_{an3,4}(V_{KR}=60) = l_{an3,4}(V_{KR}=40) + 30$	$L_{EKT}(V_{KR}=60) = L_{EKT}(V_{KR}=40) + 60$

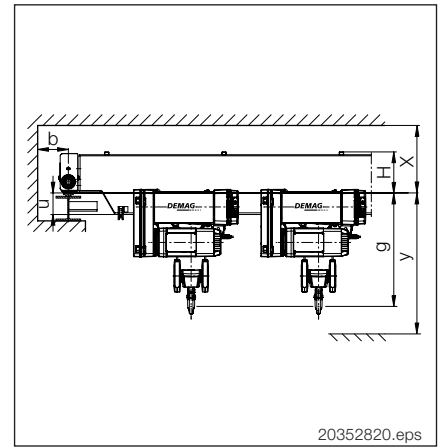
All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked.

EKKE SWL 2x 2,5 t

Crane girder: Box girder; Design 2
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 2x EKDR 3 - 2,5 4/1-10 Z-12,5 FEM 3m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist			Travel unit									
L _{KR}	X	H	U	l _{an 1} H12/H20	l _{an 2}		g	y	l _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	l _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
5	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
6	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
7	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
8	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
9	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
10	428	378	185	820	955	1180	560	975	1208	112	2000	2416	100	100	140	
11	428	378	185	820	955	1180	560	975	1208	112	2000	2416	100	100	140	
12	428	378	285	880	1015	1240	660	1075	1208	112	2000	2416	100	100	140	
13	428	378	285	880	1015	1240	660	1075	1208	112	2000	2416	100	100	140	
14	432	382	285	880	1015	1240	660	1075	1208	112	2000	2416	100	100	140	
15	430	380	290	880	1015	1240	660	1075	1208	112	2000	2416	100	100	140	
16	430	380	290	880	1015	1240	660	1075	1458	112	2500	2916	100	130	140	
17	435	385	290	880	1015	1240	660	1075	1458	112	2500	2916	100	130	140	
18	430	380	390	880	1015	1240	760	1175	1458	112	2500	2916	100	130	140	
19	430	380	390	880	1015	1240	760	1175	1458	112	2500	2916	100	130	140	
20	455	405	370	880	1015	1240	740	1155	1793	125	3150	3586	100	130	150	
21	450	400	470	880	1015	1240	840	1255	1793	125	3150	3586	100	160	150	
22	450	400	470	880	1015	1240	840	1255	1813	125	3150	3626	130	160	150	
23	450	400	470	880	1015	1240	840	1255	1813	125	3150	3626	130	160	150	
24	452	402	470	880	1015	1240	840	1255	1813	125	3150	3626	130	160	150	
25	529	479	493	880	1015	1240	863	1278	2294	200	4000	4588	130	160	175	
26	527	477	493	880	1015	1240	938	1278	2294	200	4000	4588	130	160	175	
27	527	477	493	880	1015	1240	938	1278	2294	200	4000	4588	130	160	175	
28	527	477	593	880	1015	1240	1038	1378	2294	200	4000	4588	130	160	175	
29	527	477	593	880	1015	1240	1038	1378	2294	200	4000	4588	130	160	175	
30	537	487	593	880	1015	1240	1038	1378	2294	200	4000	4588	130	160	175	

2) l_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ		l _{an3,4} (V _{KR} =60) = l _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100		
100	130	l _{an3,4} (V _{KR} =60) = l _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	l _{an3,4} (V _{KR} =60) = l _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

20352820.p65/030605

All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 2x 3,2 t

Crane girder:

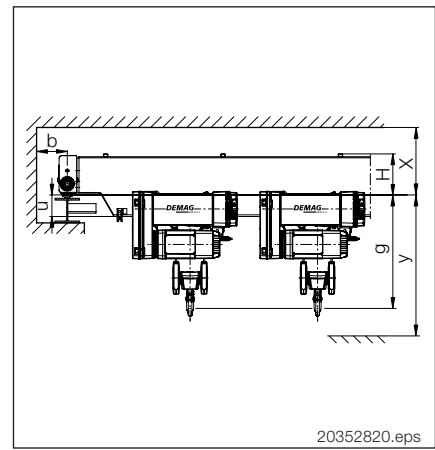
Box girder; Design 2

Travel unit:

DFW-L-E ___ / ___ /S

Monorail hoist:

2x EKDR 3 - 3,2 4/1-10 Z-12,5 FEM 2m



20352820.eps

Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable

Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	l _{an 1} H12/H20	l _{an 2}		g	y	l _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	l _{EKT 2)} V _{KR} = 40		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
5	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
6	428	378	85	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
7	430	380	90	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
8	430	380	90	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
9	430	380	90	760	895	1120	460	875	1208	112	2000	2416	100	100	140	
10	450	400	170	820	955	1180	540	955	1218	125	2000	2436	100	100	150	
11	450	400	170	820	955	1180	540	955	1218	125	2000	2436	100	100	150	
12	450	400	270	880	1015	1240	640	1055	1218	125	2000	2436	100	100	150	
13	450	400	270	880	1015	1240	640	1055	1218	125	2000	2436	100	100	150	
14	450	400	270	880	1015	1240	640	1055	1218	125	2000	2436	100	100	150	
15	450	400	370	880	1015	1240	740	1155	1218	125	2000	2436	100	100	150	
16	450	400	370	880	1015	1240	740	1155	1468	125	2500	2936	100	130	150	
17	452	402	370	880	1015	1240	740	1155	1468	125	2500	2936	100	130	150	
18	455	405	370	880	1015	1240	740	1155	1468	125	2500	2936	100	130	150	
19	450	400	470	880	1015	1240	840	1255	1468	125	2500	2936	100	130	150	
20	452	402	470	880	1015	1240	840	1255	1813	125	3150	3626	130	130	150	
21	452	402	570	880	1015	1240	940	1355	1813	125	3150	3626	130	160	150	
22	450	400	570	880	1015	1240	940	1355	1813	125	3150	3626	130	160	150	
23	450	400	570	880	1015	1240	940	1355	1813	125	3150	3626	130	160	150	
24	450	400	570	880	1015	1240	940	1355	1813	125	3150	3626	130	160	150	
25	527	477	493	880	1015	1240	938	1278	2294	200	4000	4588	130	160	175	
26	529	479	493	880	1015	1240	938	1278	2294	200	4000	4588	130	160	175	
27	529	479	593	880	1015	1240	1038	1378	2294	200	4000	4588	130	160	175	
28	529	479	593	880	1015	1240	1038	1378	2294	200	4000	4588	130	160	175	
29	532	482	593	880	1015	1240	1038	1378	2294	200	4000	4588	130	160	175	
30	537	487	593	880	1015	1240	1038	1378	2294	200	4000	4588	130	160	175	

2) l_{an 3, 4} and L_{cht} may increase at V_{KR}=60 mm

DPZ		l _{an 3, 4} (V _{KR} = 60) = l _{an 3, 4} (V _{KR} = 40)	L _{EKT} (V _{KR} = 60) = L _{EKT} (V _{KR} = 40)
V _{KR} = 40	V _{KR} = 60		
100	100		
100	130	l _{an 3, 4} (V _{KR} = 60) = l _{an 3, 4} (V _{KR} = 40) + 20	L _{EKT} (V _{KR} = 60) = L _{EKT} (V _{KR} = 40) + 40
130	160	l _{an 3, 4} (V _{KR} = 60) = l _{an 3, 4} (V _{KR} = 40) + 30	L _{EKT} (V _{KR} = 60) = L _{EKT} (V _{KR} = 40) + 60

All dimensions in mm (L_{KR} in m).

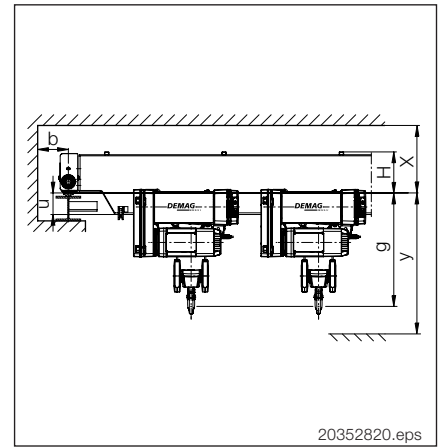
Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked.

36 Please note the information on the folder.

EKKE SWL 2x 4 t

Crane girder: Box girder; Design 2
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 2x EKDR 5 - 4 4/1-10 Z-12,5 FEM 3m



Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit							
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4} 2)	d	e _{KT}	I _{EKT} 2)	DPZ		b
					H12	H20			V _{KR} = 40			V _{KR} = 40	V _{KR} = 40	V _{KR} = 60	
4	428	378	85	785	890	1125	485	950	1208	112	2000	2416	100	100	140
5	448	398	65	785	890	1125	465	930	1218	125	2000	2436	100	100	150
6	448	398	65	785	890	1125	465	930	1218	125	2000	2436	100	100	150
7	448	398	65	785	890	1125	465	930	1218	125	2000	2436	100	100	150
8	450	400	70	785	890	1125	465	930	1218	125	2000	2436	100	100	150
9	450	400	170	845	950	1185	565	1030	1218	125	2000	2436	100	100	150
10	450	400	170	845	950	1185	565	1030	1218	125	2000	2436	100	100	150
11	450	400	270	905	1010	1245	665	1130	1218	125	2000	2436	100	100	150
12	450	400	270	905	1010	1245	665	1130	1218	125	2000	2436	100	100	150
13	452	402	270	905	1010	1245	665	1130	1218	125	2000	2436	100	130	150
14	450	400	370	905	1010	1245	765	1230	1218	125	2000	2436	100	130	150
15	450	400	370	905	1010	1245	765	1230	1218	125	2000	2436	100	130	150
16	445	395	380	905	1010	1245	775	1240	1496	160	2500	2992	100	130	175
17	442	392	480	905	1010	1245	875	1340	1496	160	2500	2992	100	130	175
18	442	392	480	905	1010	1245	875	1340	1496	160	2500	2992	100	160	175
19	450	400	480	905	1010	1245	875	1340	1496	160	2500	2992	100	160	175
20	440	390	580	905	1010	1245	975	1440	1821	160	3150	3642	100	160	175
21	440	390	580	905	1010	1245	975	1440	1841	160	3150	3682	130	160	175
22	442	392	580	905	1010	1245	975	1440	1841	160	3150	3682	130	160	175
23	445	395	580	905	1010	1245	975	1440	1841	160	3150	3682	130	160	175
24	450	400	580	905	1010	1245	975	1440	1841	160	3150	3682	130	160	175
25	532	482	493	905	1010	1245	963	1353	2294	200	4000	4588	130	160	175
26	529	479	593	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175
27	532	482	593	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175
28	537	487	593	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175
29	537	487	598	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175
30	542	492	598	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175

2) I_{an3,4} and L_{okt} may increase at V_{KR}=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
100	130	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

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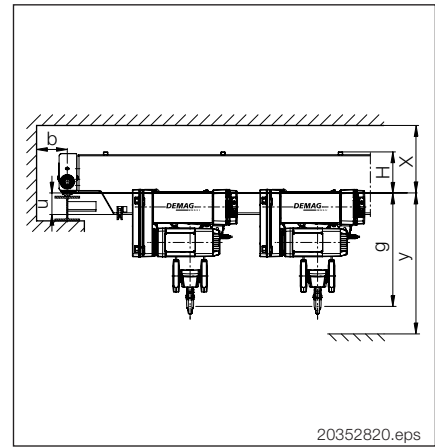
All dimensions in mm (L_{KR} in m).

Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked. Please note the information on the folder.

EKKE SWL 2x 5 t

Crane girder: Box girder; Design 2
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 2x EKDR 5 - 5 4/1-10 Z-12,5 FEM 2m



20352820.eps

Hook path: 10 or 6 m; Lifting speed: 6/1 m/min; 9/1,5 m/min or 1-12,5 m/min infinitely variable
 Cross travel speed 1,5 - 30 m/min infinitely variable

Crane girder				Monorail hoist				Travel unit								
L _{KR}	X	H	U	I _{an 1} H12/H20	I _{an 2}		g	y	I _{an 3, 4 2)} V _{KR} = 40	d	e _{KT}	L _{EKT 2)}		DPZ		b
					H12	H20						V _{KR} = 40	V _{KR} = 60	V _{KR} = 40	V _{KR} = 60	
4	450	400	70	785	890	1125	465	930	1218	125	2000	2436	100	100	150	
5	450	400	70	785	890	1125	465	930	1218	125	2000	2436	100	100	150	
6	450	400	70	785	890	1125	465	930	1218	125	2000	2436	100	100	150	
7	450	400	70	785	890	1125	465	930	1218	125	2000	2436	100	100	150	
8	440	390	180	845	950	1185	575	1040	1246	160	2000	2492	100	100	175	
9	440	390	180	845	950	1185	575	1040	1246	160	2000	2492	100	100	175	
10	440	390	280	905	1010	1245	675	1140	1246	160	2000	2492	100	100	175	
11	440	390	280	905	1010	1245	675	1140	1246	160	2000	2492	100	100	175	
12	440	390	380	905	1010	1245	775	1240	1246	160	2000	2492	100	130	175	
13	440	390	380	905	1010	1245	775	1240	1246	160	2000	2492	100	130	175	
14	442	392	380	905	1010	1245	775	1240	1246	160	2000	2492	100	130	175	
15	442	392	480	905	1010	1245	875	1340	1246	160	2000	2492	100	130	175	
16	445	395	480	905	1010	1245	875	1340	1496	160	2500	2992	100	130	175	
17	450	400	480	905	1010	1245	875	1340	1496	160	2500	2992	100	160	175	
18	442	392	580	905	1010	1245	975	1440	1496	160	2500	2992	100	160	175	
19	442	392	580	905	1010	1245	975	1440	1496	160	2500	2992	100	160	175	
20	442	392	580	905	1010	1245	975	1440	1841	160	3150	3682	130	160	175	
21	445	395	580	905	1010	1245	975	1440	1841	160	3150	3682	130	160	175	
22	450	400	580	905	1010	1245	975	1440	1841	160	3150	3682	130	160	175	
23	445	395	580	905	1010	1245	1050	1440	1841	160	3150	3682	130	160	175	
24	442	392	680	905	1010	1245	1150	1540	1841	160	3150	3682	130	160	175	
25	532	482	593	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175	
26	532	482	593	905	1010	1245	1063	1453	2294	200	4000	4588	130	160	175	
27	527	477	743	905	1010	1245	1213	1603	2294	200	4000	4588	130	160	175	
28	529	479	743	905	1010	1245	1213	1603	2294	200	4000	4588	130	160	175	
29	532	482	748	905	1010	1245	1213	1603	2294	200	4000	4588	130	160	175	
30	542	492	748	905	1010	1245	1213	1603	2294	200	4000	4588	130	160	175	

2) I_{an3,4} and L_{ekt} may increase at V_{KR}=60 mm

DPZ		I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40)	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40)
V _{KR} =40	V _{KR} =60		
100	100	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 20	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 40
100	130		
130	160	I _{an3,4} (V _{KR} =60) = I _{an3,4} (V _{KR} =40) + 30	L _{EKT} (V _{KR} =60) = L _{EKT} (V _{KR} =40) + 60

All dimensions in mm (L_{KR} in m).

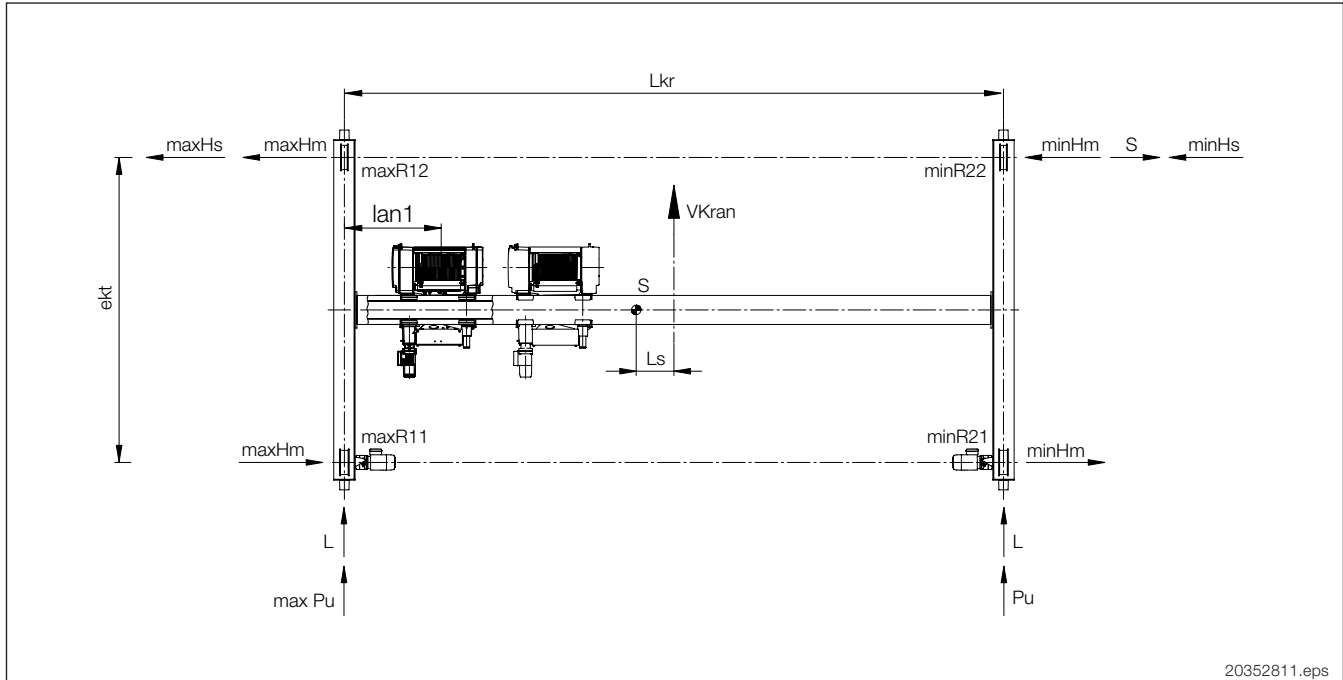
Further explanations see folder.

All dimensions, approach dimensions and data for crane dimensioning refer to standard design 2 shown in this catalogue. Deviations must be checked.

Data for dimensioning the crane runway DIN 4132

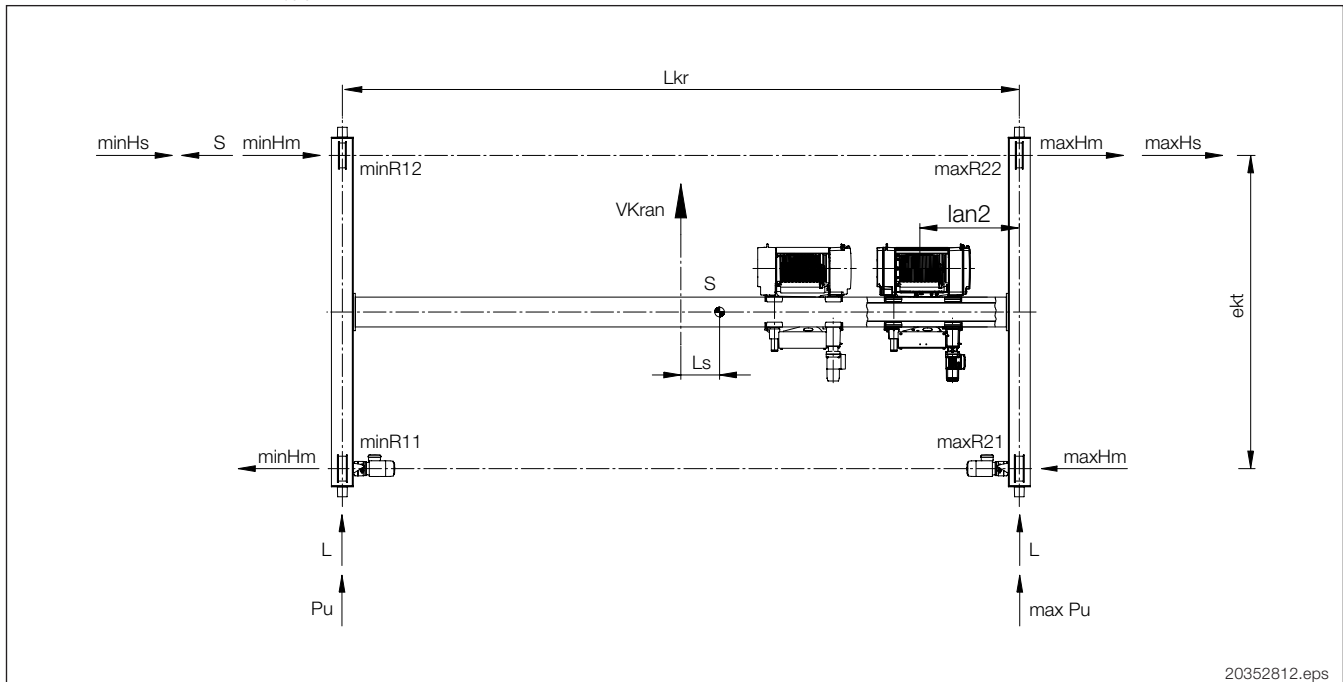
Note: The effects of the max. and min. loads and forces of the crane on the crane runways may be different depending on the position of the monorail hoist and on the crane travel direction (see fig. 1 – 4). The following tables list the max. and min. values for standard cranes.

Fig. 1: Monorail hoist at lan 1; + V_{crane}



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Fig. 2: Monorail hoist at lan 2; + V_{crane}



20352812.eps

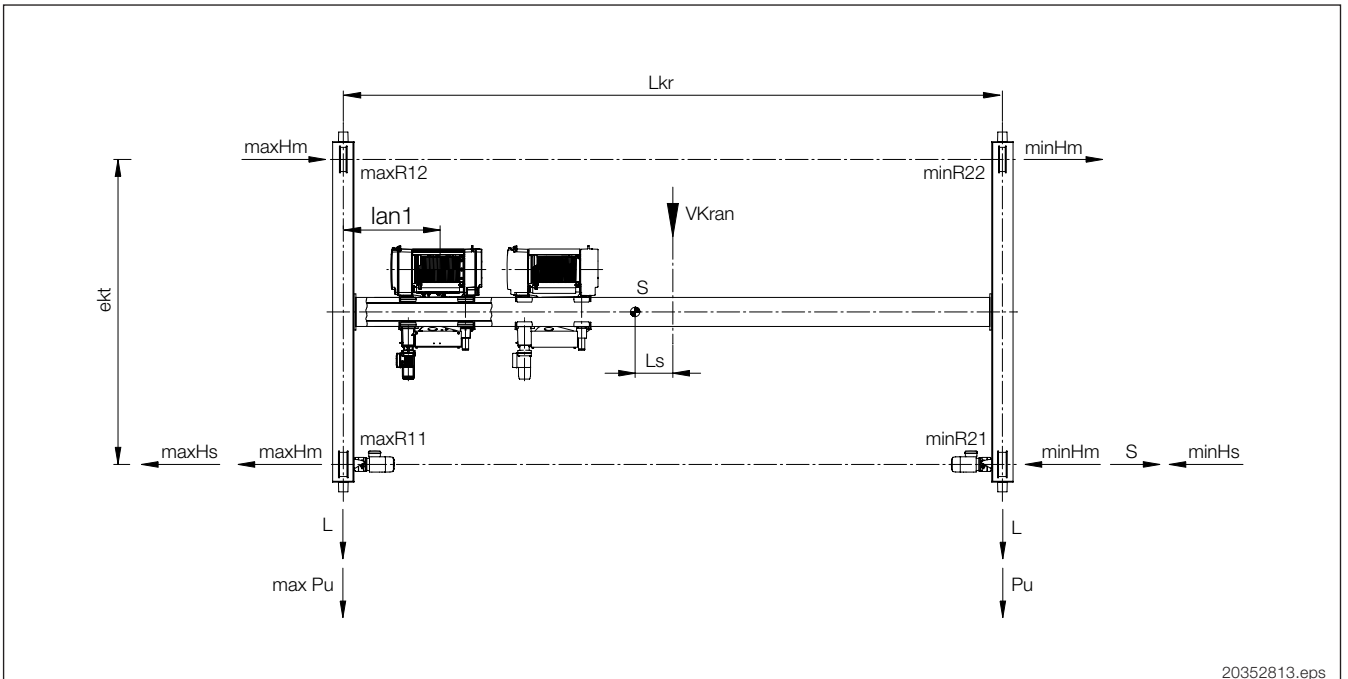
Crane system: EFF to DIN 15018 (monorail hoist in unfavourable approach dimension)

Wheel loads (without coefficients)		Braking forces	Inertia forces resulting from crane travelling		Skewing forces			Buffer force
kg		kN	kN		kN			kN
max. R	min. R	L	min. HM	max. HM	S	max. HS	min. HS	max. Pu

Data for dimensioning the crane runway DIN 4132

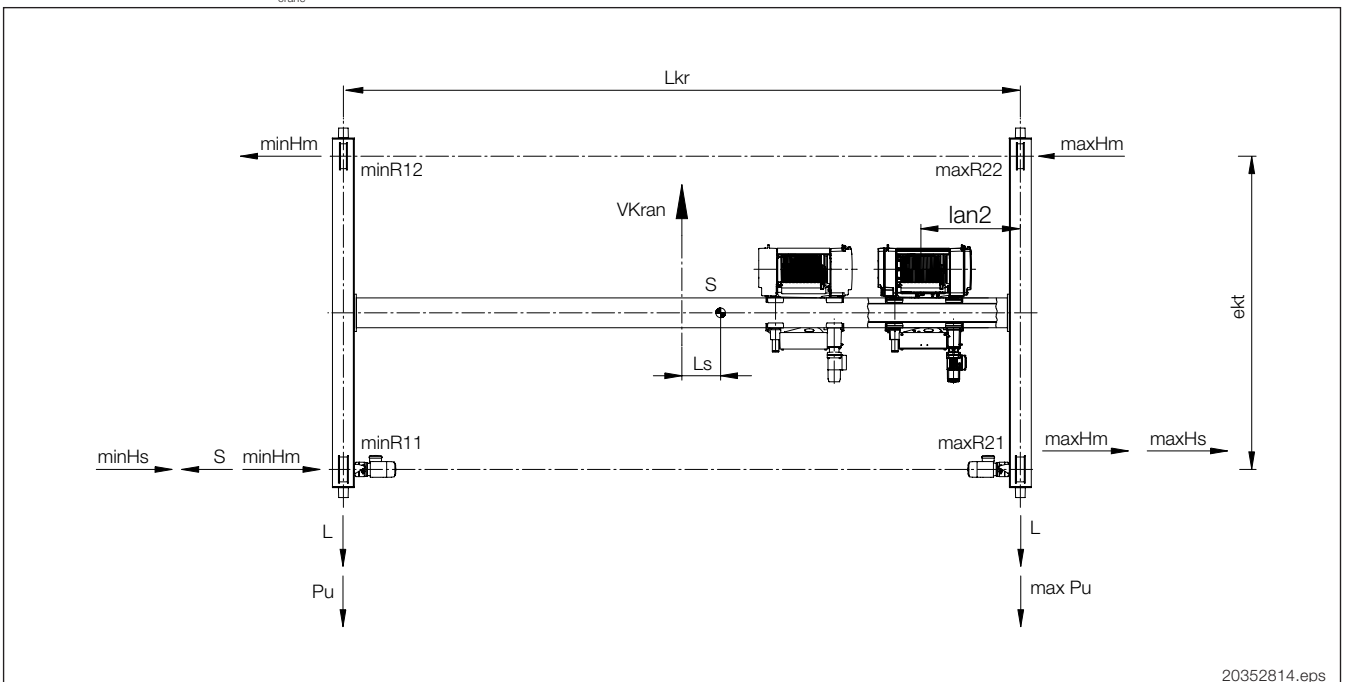
Note: The effects of the max. and min. loads and forces of the crane on the crane runways may be different depending on the position of the monorail hoist and on the crane travel direction (see fig.1 – 4). The following tables list the max. and min. values for standard cranes.

Fig. 3: Monorail hoist at lan 1; $-V_{crane}$



20352813.eps

Fig. 4: Monorail hoist at lan 2; $-V_{crane}$



20352814.eps

Crane system: EFF to DIN 15018 (monorail hoist in unfavourable approach dimension)

Wheel loads (without coefficients)		Braking forces		Inertia forces resulting from crane travelling		Skewing forces		Buffer force
kg		kN		kN		kN		kN
max. R	min. R	L	min. HM	max. HM	S	max. HS	min. HS	max. Pu

Loads and forces to DIN 15018

Wheel loads / inertia forces/ skewing forces / buffer forces / crane weight

SWL 1,6 t - 1x EKDR 3-1,6 2/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	1031	1076	1111	1142	1171	1199	1225	1251	1277	1302	1351	1377	1442	1491	1518
max. R12 (+G _H)	kg	1031	1076	1111	1142	1171	1199	1225	1251	1277	1302	1351	1377	1442	1491	1518
min. R21 (+G _H)	kg	245	254	265	279	296	314	332	352	372	392	438	460	522	568	594
min. R22 (+G _H)	kg	245	254	265	279	296	314	332	352	372	392	438	460	522	568	594
L	kN	0,29	0,32	0,35	0,37	0,40	0,43	0,45	0,48	0,51	0,54	0,59	0,62	0,70	0,76	0,79
min. HM	kN	0,08	0,10	0,13	0,16	0,20	0,24	0,29	0,33	0,39	0,44	0,52	0,59	0,56	0,64	0,70
max. HM	kN	0,27	0,38	0,50	0,61	0,73	0,86	0,99	1,12	1,25	1,39	1,55	1,68	1,48	1,61	1,72
S	kN	3,64	3,79	3,92	4,05	4,18	4,31	4,44	4,57	4,70	4,83	5,10	5,24	5,25	5,51	5,65
max. H _s	kN	2,91	3,04	3,13	3,22	3,31	3,38	3,46	3,53	3,60	3,68	3,82	3,89	3,82	3,95	4,03
min. H _s	kN	0,73	0,76	0,79	0,83	0,88	0,93	0,98	1,04	1,09	1,15	1,28	1,35	1,43	1,55	1,62
max.P _U (V _{KR} = 40 m/min)	kN	5,62	5,88	6,05	6,16	6,27	6,38	6,5	6,73	6,93	7,13	7,57	7,95	8,82	9,49	9,98
max.P _U (V _{KR} = 60 m/min)	kN	8,72	9,84	10,66	11,47	12,26	12,99	14,11	15,28	16,10	16,92	19,31	20,74	23,70	25,8	27,31
G _G	kg	952	1060	1152	1242	1334	1426	1514	1606	1698	1788	1978	2074	2328	2518	2624

SWL 2,5 t - 1x EKDR 3-2,5 4/1 FEM 3m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	1419	1475	1520	1571	1607	1641	1673	1703	1733	1762	1824	1854	1904	1953	2005
max. R12 (+G _H)	kg	1419	1475	1520	1571	1607	1641	1673	1703	1733	1762	1824	1854	1904	1953	2005
min. R21 (+G _H)	kg	327	317	317	336	349	364	381	400	419	439	494	518	562	607	654
min. R22 (+G _H)	kg	327	317	317	336	349	364	381	400	419	439	494	518	562	607	654
L	kN	0,30	0,33	0,35	0,39	0,42	0,45	0,48	0,51	0,54	0,57	0,64	0,67	0,73	0,79	0,85
min. HM	kN	0,08	0,10	0,13	0,17	0,20	0,24	0,29	0,34	0,39	0,45	0,56	0,63	0,59	0,67	0,77
max. HM	kN	0,29	0,42	0,56	0,72	0,87	1,03	1,20	1,38	1,56	1,74	1,97	2,17	1,91	2,09	2,28
S	kN	4,98	5,11	5,24	5,44	5,58	5,71	5,85	5,99	6,13	6,27	6,61	6,76	6,59	6,85	7,11
max. H _s	kN	4,01	4,17	4,30	4,44	4,55	4,64	4,73	4,82	4,90	4,99	5,17	5,25	5,06	5,19	5,33
min. H _s	kN	0,96	0,94	0,94	0,99	1,03	1,07	1,12	1,17	1,23	1,29	1,44	1,51	1,54	1,65	1,78
max.PU (VKR = 40 m/min)	kN	5,74	5,93	6,09	6,25	6,37	6,51	6,75	6,98	7,19	7,42	8,24	8,59	9,22	10,03	10,83
max.PU (VKR = 60 m/min)	kN	9,12	10,11	10,93	12,14	12,96	14,16	15,39	16,30	17,18	18,42	21,82	22,97	24,92	27,48	30,29
G _G	kg	992	1084	1174	1314	1412	1510	1608	1706	1804	1902	2136	2244	2432	2620	2818

SWL 2,5 t - 1x EKDR 5-2,5 2/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	1522	1574	1616	1653	1687	1719	1750	1805	1856	1889	1954	1988	2041	2074	2150
max. R12 (+G _H)	kg	1522	1574	1616	1653	1687	1719	1750	1805	1856	1889	1954	1988	2041	2074	2150
min. R21 (+G _H)	kg	301	299	306	317	333	349	368	413	457	482	542	570	619	648	720
min. R22 (+G _H)	kg	301	299	306	317	333	349	368	413	457	482	542	570	619	648	720
L	kN	0,34	0,37	0,40	0,43	0,46	0,49	0,52	0,58	0,64	0,67	0,75	0,78	0,85	0,88	0,97
min. HM	kN	0,09	0,11	0,14	0,18	0,22	0,26	0,31	0,39	0,47	0,54	0,66	0,74	0,68	0,76	0,88
max. HM	kN	0,38	0,52	0,68	0,84	1,01	1,19	1,37	1,59	1,81	2,02	2,27	2,48	2,17	2,34	2,55
S	kN	5,20	5,34	5,48	5,62	5,76	5,90	6,04	6,32	6,59	6,76	7,12	7,29	7,12	7,28	7,68
max. H _s	kN	4,31	4,45	4,57	4,68	4,78	4,87	4,95	5,11	5,26	5,35	5,54	5,63	5,43	5,52	5,72
min. H _s	kN	0,89	0,89	0,90	0,94	0,98	1,03	1,08	1,21	1,34	1,41	1,58	1,66	1,69	1,77	1,96
max.P _U (V _{KR} = 40 m/min)	kN	6,12	6,27	6,40	6,59	6,83	7,05	7,28	7,89	8,57	8,97	9,98	10,54	11,22	11,64	13,06
max.P _U (V _{KR} = 60 m/min)	kN	11,20	12,22	13,13	14,51	15,69	16,61	17,53	20,52	22,90	24,15	27,30	29,07	32,01	33,79	19,46
G _G	kg	1146	1246	1344	1440	1540	1636	1736	1936	2126	2242	2492	2616	2820	2944	3240

Travel unit: Travel wheel diameter d - wheel tread b_{wheel} - crane rail width b_{rail}: 112-60-50; 125-60-50; 160-65-50; 200-65-50.

SWL 1,6 t - 1x EKDR 3-1,6 2/1 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	1569	1687	1717	1747	1831	1941	2127	2265	2340	2453	2497	2609			
max. R12 (+G _H)	kg	1569	1687	1717	1747	1831	1941	2127	2265	2340	2453	2497	2609			
min. R21 (+G _H)	kg	642	758	786	815	898	1006	1192	1328	1402	1514	1557	1668			
min. R22 (+G _H)	kg	642	758	786	815	898	1006	1192	1328	1402	1514	1557	1668			
L	kN	0,85	0,99	1,02	1,06	1,16	1,29	1,51	1,68	1,77	1,90	1,95	2,09			
min. HM	kN	0,78	0,74	0,79	0,85	0,94	1,05	0,95	1,04	1,11	1,19	1,24	1,32			
max. HM	kN	1,85	1,59	1,68	1,77	1,88	1,98	1,65	1,73	1,81	1,89	1,96	2,04			
S	kN	5,91	6,04	6,18	6,33	6,74	7,28	7,71	8,35	8,70	9,22	9,42	9,94			
max. H _s	kN	4,16	4,14	4,21	4,29	4,49	4,76	4,92	5,23	5,41	5,67	5,78	6,04			
min. H _s	kN	1,75	1,90	1,97	2,04	2,25	2,52	2,80	3,11	3,29	3,55	3,65	3,91			
max.P _U (V _{KR} = 40 m/min)	kN	10,78	12,62	13,20	13,76	15,32	17,66	21,93	25,00	26,84	29,51	30,48	32,87			
max.P _U (V _{KR} = 60 m/min)	kN	30,12	19,15	19,57	20,45	22,99	27,34	28,21	29,54	30,67	33,19	34,24	36,50			
G _G	kg	2822	3290	3406	3524	3858	4294	5038	5586	5884	6334	6508	6954			

SWL 2,5 t - 1x EKDR 3-2,5 4/1 FEM 3m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	2036	2156	2212	2248	2308	2436	2636	2776	2859	2969	3090	3137			
max. R12 (+G _H)	kg	2036	2156	2212	2248	2308	2436	2636	2776	2859	2969	3090	3137			
min. R21 (+G _H)	kg	681	797	850	884	941	1066	1264	1402	1482	1590	1709	1755			
min. R22 (+G _H)	kg	681	797	850	884	941	1066	1264	1402	1482	1590	1709	1755			
L	kN	0,88	1,02	1,09	1,13	1,20	1,35	1,59	1,76	1,85	1,99	2,13	2,18			
min. HM	kN	0,84	0,81	0,90	0,97	1,07	1,22	1,13	1,25	1,35	1,46	1,57	1,65			
max. HM	kN	2,44	2,13	2,27	2,41	2,56	2,74	2,31	2,44	2,56	2,68	2,80	2,90			
S	kN	7,27	7,30	7,57	7,74	8,03	8,65	9,07	9,71	10,09	10,60	11,15	11,37			
max. H _s	kN	5,41	5,30	5,43	5,52	5,67	5,99	6,10	6,42	6,62	6,87	7,15	7,26			
min. H _s	kN	1,85	2,00	2,13	2,21	2,36	2,66	2,97	3,29	3,47	3,73	4,00	4,11			
max.P _U (V _{KR} = 40 m/min)	kN	11,22	13,29	14,31	14,96	16,05	18,99	23,38	26,78	28,73	31,18	33,73	36,03			
max.P _U (V _{KR} = 60 m/min)	kN	31,99	19,68	21,35	22,41	24,37	29,78	28,74	30,61	32,45	34,91	37,33	38,26			
G _G	kg	2934	3406	3624	3764	3998	4504	5300	5856	6182	6618	7098	7284			

SWL 2,5 t - 1x EKDR 5-2,5 2/1 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	2185	2285	2319	2408	2535	2575	2767	2935	3098	3148	3272	3498			
max. R12 (+G _H)	kg	2185	2285	2319	2408	2535	2575	2767	2935	3098	3148	3272	3498			
min. R21 (+G _H)	kg	752	849	881	968	1093	1131	1321	1487	1646	1695	1818	2043			
min. R22 (+G _H)	kg	752	849	881	968	1093	1131	1321	1487	1646	1695	1818	2043			
L	kN	1,01	1,13	1,17	1,28	1,43	1,47	1,70	1,90	2,10	2,16	2,30	2,57			
min. HM	kN	0,97	0,89	0,97	1,09	1,25	1,34	1,22	1,36	1,50	1,58	1,70	1,86			
max. HM	kN	2,73	2,34	2,48	2,65	2,83	2,97	2,49	2,63	2,76	2,88	3,00	3,14			
S	kN	7,86	7,74	7,90	8,34	8,96	9,15	9,50	10,27	11,02	11,26	11,83	12,88			
max. H _s	kN	5,81	5,61	5,69	5,91	6,23	6,33	6,40	6,79	7,17	7,287	7,58	8,10			
min. H _s	kN	2,04	2,13	2,21	2,42	2,73	2,82	3,10	3,48	3,85	3,97	4,25	4,78			
max.P _U (V _{KR} = 40 m/min)	kN	13,70	15,54	16,17	18,22	21,11	22,01	26,42	30,34	33,80	36,55	45,04	22,45			
max.P _U (V _{KR} = 60 m/min)	kN	20,35	23,36	24,63	28,38	33,98	28,22	30,28	34,11	37,39	38,41	42,56	47,99			
G _G	kg	3374	3768	3900	4252	4756	4912	5676	6344	6988	7186	7680	8582			

max. R - Max. wheel load without coefficient (dead load + load to be lifted) S, max. HS, min. HS - Forces resulting from skewing plus 10%
 min. R - Min. wheel load without coefficient (dead load + load to be lifted) max. Pu - max. buffer force with oscillation
 L, min. HM, max. HM - Inertia forces resulting from drives NPU=1 - buffer against rigid stop

Loads and forces to DIN 15018

Wheel loads / inertia forces/ skewing forces / buffer forces / crane weight

SWL 3,2 t - 1x EKDR 3-3,2 4/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	1737	1802	1854	1898	1938	1973	2007	2084	2119	2168	2220	2255	2309	2363	2420
max. R12 (+G _H)	kg	1737	1802	1854	1898	1938	1973	2007	2084	2119	2168	2220	2255	2309	2363	2420
min. R21 (+G _H)	kg	373	356	353	358	368	381	397	459	481	519	562	589	637	685	736
min. R22 (+G _H)	kg	373	356	353	358	368	381	397	459	481	519	562	589	637	685	736
L	kN	0,31	0,34	0,36	0,39	0,42	0,45	0,48	0,57	0,60	0,65	0,71	0,75	0,81	0,87	0,93
min. HM	kN	0,08	0,10	0,13	0,16	0,19	0,23	0,28	0,37	0,43	0,51	0,61	0,69	0,64	0,74	0,84
max. HM	kN	0,32	0,46	0,61	0,77	0,95	1,13	1,32	1,60	1,81	2,06	2,31	2,55	2,25	2,47	2,70
S	kN	6,01	6,15	6,29	6,43	6,57	6,71	6,85	7,25	7,41	7,66	7,93	8,11	7,88	8,15	8,44
max. H _s	kN	4,92	5,11	5,25	5,38	5,49	5,59	5,69	5,91	6,01	6,15	6,29	6,39	6,14	6,29	6,44
min. H _s	kN	1,09	1,05	1,04	1,05	1,08	1,12	1,16	1,34	1,40	1,51	1,64	1,71	1,74	1,66	2,00
max.P _U (V _{KR} = 40 m/min)	kN	5,79	5,99	6,13	6,25	6,37	6,51	6,75	7,37	7,70	8,35	8,99	9,42	10,36	11,09	11,79
max.P _U (V _{KR} = 60 m/min)	kN	9,36	10,36	11,26	12,14	12,96	14,16	15,39	18,09	19,78	22,19	24,24	25,58	28,50	31,41	34,44
22,79G _G	kg	1020	1116	1214	1312	1412	1508	1608	1886	2000	2174	2364	2488	2692	2896	3112

SWL 5 t - 1x EKDR 5-5 4/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	2578	2671	2740	2797	2846	2889	2952	2993	3044	3096	3133	3204	3289	3378	3410
max. R12 (+G _H)	kg	2578	2671	2740	2797	2846	2889	2952	2993	3044	3096	3133	3204	3289	3378	3410
min. R21 (+G _H)	kg	507	464	443	435	435	441	473	489	519	555	577	634	708	787	810
min. R22 (+G _H)	kg	507	464	443	435	435	441	473	489	519	555	577	634	708	787	810
L	kN	0,35	0,38	0,41	0,44	0,47	0,50	0,56	0,59	0,64	0,69	0,73	0,80	0,90	1,00	1,03
min. HM	kN	0,09	0,11	0,13	0,16	0,19	0,23	0,29	0,34	0,41	0,49	0,56	0,68	0,67	0,81	0,89
max. HM	kN	0,39	0,56	0,75	0,96	1,18	1,41	1,71	1,98	2,28	2,61	2,92	3,32	3,01	3,38	3,65
S	kN	8,79	8,94	9,07	9,21	9,35	9,49	9,77	9,93	10,16	10,41	10,58	10,94	10,69	11,14	11,29
max. H _s	kN	7,32	7,58	7,78	7,94	8,08	8,20	8,38	8,50	8,64	8,79	8,90	9,10	8,77	9,00	9,09
min. H _s	kN	1,48	1,35	1,29	1,27	1,27	1,29	1,38	1,43	1,51	1,62	1,68	1,84	1,93	2,14	2,20
max.P _U (V _{KR} = 40 m/min)	kN	6,15	6,29	6,43	6,66	6,90	7,13	7,60	8,05	8,62	9,21	9,72	10,79	11,85	13,55	14,07
max.P _U (V _{KR} = 60 m/min)	kN	11,36	12,43	13,48	14,90	15,98	16,91	19,40	21,12	23,05	24,90	26,49	30,15	34,69	20,11	20,96
G _G	kg	1170	1270	1366	1464	1562	1660	1850	1964	2126	2302	2420	2676	2994	3330	3440

SWL 5 t - 1x EKDR 10-5 2/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	2760	2833	2890	2966	3012	3054	3094	3158	3196	3234	3303	3341	3399	3486	3549
max. R12 (+G _H)	kg	2760	2833	2890	2966	3012	3054	3094	3158	3196	3234	3303	3341	3399	3486	3549
min. R21 (+G _H)	kg	411	387	378	408	420	434	452	499	522	547	606	635	684	764	821
min. R22 (+G _H)	kg	411	387	378	408	420	434	452	499	522	547	606	635	684	764	821
L	kN	0,40	0,43	0,46	0,52	0,56	0,59	0,63	0,69	0,73	0,77	0,85	0,89	0,95	1,05	1,12
min. HM	kN	0,09	0,11	0,14	0,19	0,22	0,27	0,32	0,40	0,47	0,54	0,66	0,75	0,70	0,85	0,97
max. HM	kN	0,51	0,71	0,93	1,21	1,46	1,73	2,01	2,37	2,68	3,00	3,41	3,75	3,32	3,70	4,04
S	kN	9,04	9,18	9,32	9,62	9,78	9,94	10,11	10,42	10,60	10,78	11,15	11,33	10,92	11,37	11,69
max. H _s	kN	7,84	8,04	8,21	8,42	8,55	8,67	8,79	8,97	9,08	9,18	9,38	9,49	9,06	9,29	9,46
min. H _s	kN	1,20	1,13	1,11	1,20	1,23	1,27	1,32	1,46	1,52	1,59	1,76	1,84	1,86	2,08	2,23
max.P _U (V _{KR} = 40 m/min)	kN	6,49	6,81	7,09	7,65	8,14	8,56	8,98	9,88	10,46	10,91	11,77	12,44	13,53	15,09	16,25
max.P _U (V _{KR} = 60 m/min)	kN	14,05	15,64	16,75	19,60	21,49	22,87	24,19	26,99	28,82	30,67	34,36	36,16	20,07	22,63	24,77
G _G	kg	1342	1440	1536	1748	1864	1976	2092	2314	2436	2562	2818	2952	3166	3500	3740

Travel unit: Travel wheel diameter d - wheel tread b_{wheel} - crane rail width b_{rail}: 112-60-50; 125-60-50; 160-65-50; 200-65-50.

SWL 3,2 t - 1x EKDR 3-3,2 4/1 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	2456	2580	2643	2681	2808	2849	3102	3196	3372	3488	3548	3598			
max. R12 (+G _H)	kg	2456	2580	2643	2681	2808	2849	3102	3196	3372	3488	3548	3598			
min. R21 (+G _H)	kg	767	887	946	981	1105	1143	1392	1484	1656	1771	1828	1877			
min. R22 (+G _H)	kg	767	887	946	981	1105	1143	1392	1484	1656	1771	1828	1877			
L	kN	0,97	1,12	1,19	1,24	1,39	1,44	1,74	1,85	2,06	2,20	2,27	2,33			
min. HM	kN	0,93	0,89	1,00	1,08	1,25	1,34	1,28	1,39	1,56	1,69	1,78	1,87			
max. HM	kN	2,90	2,53	2,72	2,88	3,11	3,27	2,80	2,95	3,12	3,27	3,41	3,54			
S	kN	8,62	8,57	8,87	9,05	9,67	9,86	10,44	10,88	11,69	12,22	12,49	12,73			
max. H _s	kN	6,54	6,34	6,50	6,59	6,91	7,01	7,18	7,40	7,81	8,08	8,22	8,33			
min. H _s	kN	2,08	2,22	2,37	2,45	2,76	2,85	3,26	3,48	3,88	4,14	4,28	4,39			
max.P _U (V _{KR} = 40 m/min)	kN	12,47	14,81	15,92	16,77	19,69	20,59	26,36	28,58	32,45	36,67	41,00	44,20			
max.P _U (V _{KR} = 60 m/min)	kN	19,05	22,17	24,08	25,71	30,92	28,01	30,22	32,31	36,10	38,44	40,38	42,09			
G _G	kg	3246	3734	3978	4124	4626	4784	5788	6160	6856	7318	7552	7750			

SWL 5 t - 1x EKDR 5-5 4/1 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	3450	3613	3643	3771	3816	3860	4116	4345	4397	4517	4580	4809			
max. R12 (+G _H)	kg	3450	3613	3643	3771	3816	3860	4116	4345	4397	4517	4580	4809			
min. R21 (+G _H)	kg	842	998	1022	1144	1184	1223	1474	1697	1745	1861	1921	2147			
min. R22 (+G _H)	kg	842	998	1022	1144	1184	1223	1474	1697	1745	1861	1921	2147			
L	kN	1,08	1,27	1,30	1,45	1,50	1,55	1,85	2,13	2,19	2,33	2,40	2,67			
min. HM	kN	0,99	1,00	1,08	1,27	1,38	1,48	1,45	1,71	1,82	1,99	2,11	2,37			
max. HM	kN	3,94	3,53	3,75	4,10	4,35	4,60	3,98	4,30	4,51	4,75	4,96	5,24			
S	kN	11,48	11,39	11,53	12,14	12,35	12,56	12,99	14,04	14,28	14,82	15,11	16,17			
max. H _s	kN	9,19	8,90	8,97	9,29	9,40	9,51	9,54	10,07	10,19	10,47	10,62	11,15			
min. H _s	kN	2,29	2,50	2,56	2,86	2,95	3,05	3,46	3,97	4,08	4,35	4,49	5,02			
max.P _U (V _{KR} = 40 m/min)	kN	14,76	18,14	18,79	21,63	22,61	23,42	29,54	34,99	38,71	46,45	20,50	24,30			
max.P _U (V _{KR} = 60 m/min)	kN	22,08	28,23	29,41	35,21	28,31	28,76	33,21	37,98	39,32	43,12	44,58	50,21			
G _G	kg	3584	4222	4330	4830	5000	5166	6180	7084	7284	7756	8002	8912			

SWL 5 t - 1x EKDR 10-5 2/1 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	3588	3718	3747	3874	3918	4009	4266	4447	4498	4715	4680	5084			
max. R12 (+G _H)	kg	3588	3718	3747	3874	3918	4009	4266	4447	4498	4715	4680	5084			
min. R21 (+G _H)	kg	854	979	1004	1126	1167	1254	1508	1682	1731	1946	1907	2310			
min. R22 (+G _H)	kg	854	979	1004	1126	1167	1254	1508	1682	1731	1946	1907	2310			
L	kN	1,17	1,32	1,35	1,50	1,55	1,66	1,96	2,18	2,24	2,50	2,45	2,94			
min. HM	kN	1,07	1,04	1,12	1,32	1,43	1,60	1,55	1,77	1,88	2,14	2,19	2,60			
max. HM	kN	4,35	3,82	4,05	4,41	4,67	4,98	4,28	4,58	4,79	5,09	5,25	5,62			
S	kN	11,88	11,60	11,74	12,35	12,56	13,00	13,42	14,24	14,48	15,48	15,31	17,18			
max. H _s	kN	9,56	9,15	9,23	9,54	9,65	9,87	9,89	10,31	10,43	10,93	10,85	11,79			
min. H _s	kN	2,32	2,45	2,51	2,81	2,91	3,13	3,53	3,94	4,05	4,55	4,46	5,40			
max.P _U (V _{KR} = 40 m/min)	kN	17,11	20,06	20,69	23,38	24,44	26,6	32,41	41,27	44,44	22,04	21,50	29,39			
max.P _U (V _{KR} = 60 m/min)	kN	26,33	31,49	28,03	28,74	29,26	30,45	36,06	40,51	42,22	47,51	46,59	35,39*			
G _G	kg	3884	4394	4502	5000	5170	5526	6548	7258	7458	8322	8174	9788			

max. R - Max. wheel load without coefficient (dead load + load to be lifted)
 min. R - Min. wheel load without coefficient (dead load + load to be lifted)
 L, min. HM, max. HM - Inertia forces resulting from drives

S, max. HS, min. HS - Forces resulting from skewing plus 10%
 max. Pu - max. buffer force with oscillation coefficient 1,25
 NPU=1 - buffer against rigid stop

Loads and forces to DIN 15018

Wheel loads / inertia forces/ skewing forces / buffer forces / crane weight

SWL 5 t - 1x EKDR 10-5 4/2 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	2406	2550	2654	2736	2803	2860	2935	2985	3043	3103	3145	3203	3310	3402	3438
max. R12 (+G _H)	kg	2406	2550	2654	2736	2803	2860	2935	2985	3043	3103	3145	3203	3310	3402	3438
min. R21 (+G _H)	kg	764	669	614	582	564	555	576	583	605	634	650	685	773	847	867
min. R22 (+G _H)	kg	764	669	614	582	564	555	576	583	605	634	650	685	773	847	867
L	kN	0,40	0,43	0,46	0,49	0,52	0,55	0,61	0,64	0,69	0,74	0,78	0,83	0,95	1,05	1,08
min. HM	kN	0,10	0,13	0,16	0,19	0,23	0,27	0,33	0,39	0,46	0,54	0,61	0,71	0,71	0,85	0,93
max. HM	kN	0,31	0,49	0,69	0,91	1,14	1,38	1,68	1,96	2,27	2,61	2,92	3,29	3,02	3,39	3,67
S	kN	9,04	9,18	9,32	9,46	9,60	9,74	10,01	10,17	10,40	10,65	10,82	11,08	10,92	11,37	11,51
max. H _s	kN	6,83	7,24	7,53	7,77	7,96	8,12	8,33	8,47	8,64	8,81	8,93	9,10	8,82	9,07	9,16
min. H _s	kN	2,21	1,94	1,78	1,69	1,64	1,62	1,68	1,70	1,76	1,84	1,89	1,99	2,10	2,30	2,35
max.P _U (V _{KR} = 40 m/min)	kN	6,38	6,66	6,96	7,24	7,50	7,92	8,63	9,04	9,70	10,53	10,94	11,57	13,42	15,00	15,53
max.P _U (V _{KR} = 60 m/min)	kN	13,02	14,93	16,24	17,35	18,98	20,62	23,08	24,39	26,44	29,02	30,79	33,49	19,91	22,47	23,34
G _G	kg	1340	1438	1536	1636	1734	1830	2022	2136	2296	2474	2590	2776	3166	3498	3610

SWL 6,3 t - 1x EKDR 10-6,3 4/1 FEM 4m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	3200	3320	3432	3533	3596	3651	3725	3773	3847	3893	3937	4015	4084	4148	4222
max. R12 (+G _H)	kg	3200	3320	3432	3533	3596	3651	3725	3773	3847	3893	3937	4015	4084	4148	4222
min. R21 (+G _H)	kg	642	572	557	568	563	565	597	611	655	677	700	761	814	863	925
min. R22 (+G _H)	kg	642	572	557	568	563	565	597	611	655	677	700	761	814	863	925
L	kN	0,42	0,45	0,50	0,57	0,61	0,64	0,70	0,74	0,81	0,85	0,89	0,98	1,05	1,12	1,20
min. HM	kN	0,11	0,13	0,16	0,21	0,25	0,30	0,37	0,42	0,52	0,59	0,68	0,81	0,76	0,87	1,01
max. HM	kN	0,46	0,66	0,93	1,23	1,51	1,80	2,17	2,50	2,92	3,28	3,66	4,15	3,70	4,08	4,49
S	kN	10,95	11,09	11,37	11,69	11,85	12,02	12,32	12,50	12,83	13,03	13,22	13,62	13,10	13,40	13,77
max. H _s	kN	9,09	9,43	9,75	10,04	10,22	10,37	10,58	10,72	10,93	11,06	11,19	11,41	10,89	11,06	11,26
min. H _s	kN	1,86	1,66	1,62	1,65	1,64	1,64	1,73	1,77	1,90	1,96	2,03	2,20	2,21	2,34	2,51
max.P _U (V _{KR} = 40 m/min)	kN	6,58	6,91	7,41	8,27	8,71	9,14	10,07	10,64	11,44	11,94	12,69	14,05	15,21	16,31	17,91
max.P _U (V _{KR} = 60 m/min)	kN	14,46	16,03	18,39	21,93	23,35	24,69	27,60	29,50	32,95	34,94	36,66	20,92	22,81	24,87	27,81
G _G	kg	1384	1484	1678	1902	2018	2132	2344	2468	2704	2840	2974	3252	3496	3722	3994

SWL 8 t - 1x EKDR 10-8 4/1 FEM 3m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	4011	4151	4254	4336	4404	4485	4542	4549	4669	4732	4797	4843	4985	5044	5090
max. R12 (+G _H)	kg	4011	4151	4254	4336	4404	4485	4542	4549	4669	4732	4797	4843	4985	5044	5090
min. R21 (+G _H)	kg	769	686	640	615	604	623	630	711	683	717	758	783	906	948	980
min. R22 (+G _H)	kg	769	686	640	615	604	623	630	711	683	717	758	783	906	948	980
L	kN	0,47	0,50	0,54	0,57	0,61	0,67	0,70	0,76	0,81	0,87	0,93	0,98	1,13	1,20	1,24
min. HM	kN	0,12	0,14	0,17	0,20	0,24	0,29	0,34	0,42	0,48	0,57	0,67	0,76	0,79	0,90	1,00
max. HM	kN	0,53	0,76	1,02	1,30	1,60	1,97	2,31	2,60	3,14	3,59	4,07	4,51	4,22	4,64	5,03
S	kN	13,62	13,79	13,95	14,11	14,28	14,56	14,74	14,99	15,26	15,53	15,84	16,04	16,15	16,42	16,64
max. H _s	kN	11,40	11,80	12,09	12,33	12,52	12,75	12,91	12,93	13,28	13,46	13,64	13,77	13,63	13,79	13,92
min. H _s	kN	2,22	1,99	1,86	1,79	1,76	1,81	1,83	2,06	1,98	2,08	2,20	2,27	2,52	2,63	2,72
max.P _U (V _{KR} = 40 m/min)	kN	6,98	7,34	7,77	8,29	8,73	9,47	10,09	10,70	11,45	12,28	13,37	14,06	16,65	17,85	18,77
max.P _U (V _{KR} = 60 m/min)	kN	16,29	17,91	20,06	21,98	23,39	25,72	27,65	29,74	32,99	35,81	41,19	20,94	25,51	27,69	29,38
G _G	kg	1560	1674	1788	1902	2016	2216	2344	2520	2704	2898	3110	3252	3782	3984	4140

Travel unit: Travel wheel diameter d - wheel tread b_{wheel} - crane rail width b_{rail}: 112-60-50; 125-60-50; 160-65-50; 200-65-50.

SWL 5 t - 1x EKDR 10-5 4/2 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	3481	3647	3680	3810	3857	3950	4209	4392	4445	4665	4631	5037			
max. R12 (+G _H)	kg	3481	3647	3680	3810	3857	3950	4209	4392	4445	4665	4631	5037			
min. R21 (+G _H)	kg	896	1050	1071	1191	1228	1313	1564	1737	1783	1996	1956	2357			
min. R22 (+G _H)	kg	896	1050	1071	1191	1228	1313	1564	1737	1783	1996	1956	2357			
L	kN	1,13	1,32	1,35	1,50	1,55	1,66	1,96	2,18	2,24	2,50	2,45	2,94			
min. HM	kN	1,03	1,03	1,11	1,30	1,41	1,57	1,51	1,73	1,84	2,08	2,13	2,53			
max. HM	kN	3,97	3,55	3,78	4,13	4,38	4,69	4,05	4,34	4,55	4,85	5,02	5,38			
S	kN	11,71	11,60	11,74	12,35	12,56	13,00	13,42	14,24	14,48	15,48	15,31	17,18			
max. H _S	kN	9,28	8,98	9,06	9,38	9,50	9,73	9,75	10,18	10,30	10,81	10,73	11,68			
min. H _S	kN	2,43	2,62	2,68	2,97	3,07	3,27	3,66	4,06	4,17	4,67	4,58	5,51			
max. P _U (V _{KR} = 40 m/min)	kN	16,25	19,96	20,60	23,29	24,34	26,52	32,33	41,02	44,24	21,98	21,47	29,30			
max. P _U (V _{KR} = 60 m/min)	kN	24,76	31,3	28,01	28,69	29,22	30,37	35,99	40,39	42,11	47,43	46,51	35,36*			
G _G	kg	3754	4394	4502	5002	5170	5526	6546	7258	7456	8322	8174	9788			

SWL 6,3 t - 1x EKDR 10-6,3 4/1 FEM 4m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	4257	4356	4451	4557	4606	4653	5027	5143	5267	5327	5488	5724			
max. R12 (+G _H)	kg	4257	4356	4451	4557	4606	4653	5027	5143	5267	5327	5488	5724			
min. R21 (+G _H)	kg	949	1038	1124	1222	1263	1304	1668	1779	1897	1952	2109	2341			
min. R22 (+G _H)	kg	949	1038	1124	1222	1263	1304	1668	1779	1897	1952	2109	2341			
L	kN	1,23	1,35	1,45	1,58	1,63	1,68	2,13	2,26	2,41	2,48	2,67	2,95			
min. HM	kN	1,10	1,03	1,18	1,36	1,48	1,60	1,68	1,85	2,04	2,17	2,40	2,71			
max. HM	kN	4,82	4,20	4,57	4,96	5,27	5,58	4,96	5,26	5,57	5,83	6,16	6,52			
S	kN	13,92	13,33	13,77	14,28	14,50	14,72	15,56	16,09	16,65	16,92	17,66	18,74			
max. H _S	kN	11,35	10,73	10,97	11,23	11,35	11,47	11,65	11,92	12,21	12,35	12,73	13,28			
min. H _S	kN	2,57	2,60	2,81	3,05	3,15	3,25	3,91	4,16	4,44	4,57	4,93	5,47			
max. P _U (V _{KR} = 40 m/min)	kN	18,61	20,79	22,82	25,17	26,28	27,34	38,75	46,21	21,17	21,89	25,27	29,94			
max. P _U (V _{KR} = 60 m/min)	kN	29,09	28,04	28,38	29,63	30,18	31,14	39,35	43,03	45,91	47,32	51,32	35,62*			
G _G	kg	4112	4488	4850	5258	5438	5614	7090	7544	8028	8258	8894	9830			

SWL 8 t - 1x EKDR 10-8 4/1 FEM 3m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	5188	5329	5379	5471	5590	5760	6009	6047	6199	6427	6610	6856			
max. R12 (+G _H)	kg	5188	5329	5379	5471	5590	5760	6009	6047	6199	6427	6610	6856			
min. R21 (+G _H)	kg	1065	1195	1233	1316	1426	1588	1828	1858	2004	2226	2403	2644			
min. R22 (+G _H)	kg	1065	1195	1233	1316	1426	1588	1828	1858	2004	2226	2403	2644			
L	kN	1,35	1,51	1,57	1,67	1,81	2,01	2,30	2,34	2,52	2,79	3,01	3,30			
min. HM	kN	1,18	1,14	1,24	1,41	1,62	1,90	1,81	1,92	2,15	2,46	2,74	3,08			
max. HM	kN	5,57	4,94	5,29	5,72	6,20	6,76	5,84	6,12	6,53	6,99	7,41	7,86			
S	kN	17,14	16,59	16,81	17,26	17,84	18,69	18,21	18,37	19,07	20,11	20,95	22,08			
max. H _S	kN	14,19	13,52	13,65	13,88	14,18	14,62	13,94	14,02	14,38	14,91	15,33	15,91			
min. H _S	kN	2,95	3,07	3,17	3,38	3,66	4,07	4,28	4,35	4,69	5,20	5,61	6,17			
max. P _U (V _{KR} = 40 m/min)	kN	20,88	23,86	24,96	27,1	29,82	33,39	48,19	50,25	22,67	27,29	31,35	37,19			
max. P _U (V _{KR} = 60 m/min)	kN	33,43	28,98	29,52	30,91	33,48	36,99	43,81	44,61	48,26	53,66	36,22*	41,03*			
G _G	kg	4506	5048	5224	5574	6032	6696	7674	7810	8406	9306	10026	11000			

max. R - Max. wheel load without coefficient (dead load + load to be lifted) S, max. HS, min. HS - Forces resulting from skewing plus 10%
 min. R - Min. wheel load without coefficient (dead load + load to be lifted) max. Pu - max. buffer force with oscillation
 L, min. HM, max. HM - Inertia forces resulting from drives NPU=1 - buffer against rigid stop

Loads and forces to DIN 15018

Wheel loads / inertia forces/ skewing forces / buffer forces / crane weight

SWL 10 t - 1x EKDR 10-10 4/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	4888	5072	5191	5302	5382	5471	5535	5620	5690	5783	5838	5917	6039	6094	6199
max. R12 (+G _H)	kg	4888	5072	5191	5302	5382	5471	5535	5620	5690	5783	5838	5917	6039	6094	6199
min. R21 (+G _H)	kg	892	804	741	722	705	719	722	758	787	844	870	922	1022	1056	1144
min. R22 (+G _H)	kg	892	804	741	722	705	719	722	758	787	844	870	922	1022	1056	1144
L	kN	0,47	0,53	0,56	0,61	0,65	0,71	0,75	0,83	0,89	0,98	1,02	1,10	1,24	1,29	1,41
min. HM	kN	0,12	0,15	0,17	0,21	0,25	0,30	0,35	0,43	0,51	0,62	0,71	0,84	0,84	0,94	1,11
max. HM	kN	0,54	0,82	1,09	1,43	1,76	2,16	2,55	3,03	3,51	4,10	4,59	5,19	4,78	5,23	5,84
S	kN	16,48	17,08	17,24	17,51	17,69	17,99	18,19	18,54	18,83	19,26	19,50	19,88	19,35	19,60	20,13
max. H _s	kN	13,90	14,71	15,06	15,38	15,61	15,87	16,05	16,30	16,51	16,77	16,93	17,16	16,52	16,67	16,96
min. H _s	kN	2,57	2,37	2,19	2,13	2,08	2,12	2,13	2,24	2,32	2,49	2,56	2,72	2,83	2,93	3,17
max.P _U (V _{KR} = 40 m/min)	kN	6,98	7,51	8,06	8,77	9,24	10,2	10,77	11,60	12,53	14,02	14,8	16,03	18,63	19,68	21,88
max.P _U (V _{KR} = 60 m/min)	kN	16,29	19,04	21,18	23,52	24,97	28,00	30,07	33,62	36,34	20,87	22,14	24,32	29,13	30,90	35,80
G _G	kg	1560	1752	1864	2048	2174	2380	2514	2756	2954	3254	3416	3678	4122	4300	4686

SWL 2 x 1,6 t - 2x EKDR 3-1,6 2/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	1617	1730	1811	1877	1932	1989	2039	2080	2131	2185	2222	2275	2350	2386	2421
max. R12 (+G _H)	kg	1617	1730	1811	1877	1932	1989	2039	2080	2131	2185	2222	2275	2350	2386	2421
min. R21 (+G _H)	kg	607	540	503	484	475	483	493	501	526	557	574	610	670	693	716
min. R22 (+G _H)	kg	607	540	503	484	475	483	493	501	526	557	574	610	670	693	716
L	kN	0,37	0,40	0,43	0,46	0,48	0,52	0,56	0,59	0,63	0,69	0,72	0,77	0,85	0,89	0,92
min. HM	kN	0,11	0,14	0,17	0,21	0,25	0,29	0,35	0,40	0,47	0,55	0,62	0,72	0,69	0,76	0,84
max. HM	kN	0,24	0,39	0,56	0,73	0,92	1,13	1,35	1,56	1,81	2,07	2,31	2,58	2,31	2,52	2,73
S	kN	6,34	6,47	6,60	6,73	6,86	7,05	7,22	7,36	7,57	7,82	7,97	8,22	8,08	8,23	8,39
max. H _s	kN	4,58	4,90	5,13	5,32	5,47	5,64	5,78	5,89	6,04	6,19	6,30	6,45	6,25	6,35	6,44
min. H _s	kN	1,76	1,57	1,47	1,41	1,39	1,41	1,44	1,46	1,53	1,62	1,67	1,77	1,82	1,89	1,95
max.P _U (V _{KR} = 40 m/min)	kN	6,15	6,33	6,51	6,79	7,04	7,37	7,78	8,20	8,74	9,32	9,84	10,63	11,54	12,00	12,63
max.P _U (V _{KR} = 60 m/min)	kN	11,43	12,7	14,13	15,55	16,57	18,13	20,08	21,69	23,42	25,25	26,88	29,46	33,35	18,72	19,16
G _G	kg	1248	1340	1428	1522	1614	1744	1864	1962	2114	2284	2392	2570	2840	2958	3074

SWL 2 x 2,5 t - 2x EKDR 3-2,5 4/1 FEM 3m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	2283	2449	2568	2660	2736	2799	2880	2933	3009	3057	3135	3206	3265	3359	3396
max. R12 (+G _H)	kg	2283	2449	2568	2660	2736	2799	2880	2933	3009	3057	3135	3206	3265	3359	3396
min. R21 (+G _H)	kg	877	760	689	646	620	605	623	624	657	669	715	759	807	880	898
min. R22 (+G _H)	kg	877	760	689	646	620	605	623	624	657	669	715	759	807	880	898
L	kN	0,40	0,43	0,45	0,48	0,51	0,54	0,60	0,63	0,70	0,74	0,81	0,88	0,94	1,04	1,08
min. HM	kN	0,11	0,15	0,18	0,22	0,25	0,29	0,36	0,41	0,50	0,56	0,68	0,80	0,74	0,88	0,96
max. HM	kN	0,25	0,42	0,61	0,82	1,04	1,27	1,57	1,84	2,18	2,48	2,86	3,24	2,88	3,24	3,52
S	kN	9,01	9,15	9,29	9,43	9,57	9,70	9,98	10,14	10,45	10,62	10,97	11,30	10,89	11,34	11,49
max. H _s	kN	6,48	6,95	7,29	7,55	7,76	7,95	8,18	8,33	8,54	8,68	8,90	9,10	8,70	8,95	9,05
min. H _s	kN	2,53	2,20	2,00	1,88	1,80	1,76	1,81	1,81	1,91	1,94	2,07	2,20	2,19	2,39	2,43
max.P _U (V _{KR} = 40 m/min)	kN	6,25	6,44	6,75	7,05	7,32	7,62	8,4	8,80	9,64	10,22	11,15	11,98	13,12	14,70	15,24
max.P _U (V _{KR} = 60 m/min)	kN	12,08	13,63	15,40	16,58	17,79	19,49	22,34	23,63	26,27	28,07	31,71	35,04	19,50	21,98	22,86
G _G	kg	1320	1418	1514	1612	1712	1808	2006	2114	2332	2452	2700	2930	3144	3478	3588

Travel unit: Travel wheel diameter d - wheel tread b_{wheel} - crane rail width b_{rail}: 112-60-50; 125-60-50; 160-65-50; 200-65-50.

SWL 10 t - 1x EKDR 10-10 4/1 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	6300	6402	6457	6578	6761	6907	7151	7220	7444	7518	7755	7831			
max. R12 (+G _H)	kg	6300	6402	6457	6578	6761	6907	7151	7220	7444	7518	7755	7831			
min. R21 (+G _H)	kg	1229	1317	1359	1467	1638	1773	2009	2069	2285	2353	2582	2652			
min. R22 (+G _H)	kg	1229	1317	1359	1467	1638	1773	2009	2069	2285	2353	2582	2652			
L	kN	1,52	1,63	1,69	1,83	2,04	2,21	2,50	2,57	2,84	2,92	3,20	3,29			
min. HM	kN	1,30	1,19	1,30	1,50	1,80	2,06	1,95	2,09	2,41	2,58	2,93	3,11			
max. HM	kN	6,46	5,62	6,03	6,58	7,26	7,86	6,79	7,16	7,72	8,10	8,66	9,05			
S	kN	20,64	19,63	19,88	20,46	21,36	22,07	21,29	21,59	22,61	22,94	24,02	24,37			
max. H _s	kN	17,24	16,25	16,39	16,70	17,16	17,53	16,59	16,75	17,27	17,45	17,99	18,17			
min. H _s	kN	3,40	3,38	3,49	3,76	4,20	4,54	4,70	4,84	5,34	5,50	6,03	6,20			
max.P _U (V _{KR} = 40 m/min)	kN	23,92	26,25	27,42	30,13	33,93	43,44	22,19	23,58	27,98	29,30	35,40	37,02			
max.P _U (V _{KR} = 60 m/min)	kN	29,01	30,16	31,22	33,83	37,52	41,66	47,69	49,35	54,53	56,43	39,33*	40,86*			
G _G	kg	5058	5438	5632	6090	6798	7360	8320	8578	9458	9742	10674	10966			

SWL 2 x 1,6 t - 2x EKDR 3-1,6 2/1 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	2500	2604	2639	2727	2827	2984	3240	3415	3465	3588	3643	4046			
max. R12 (+G _H)	kg	2500	2604	2639	2727	2827	2984	3240	3415	3465	3588	3643	4046			
min. R21 (+G _H)	kg	785	879	906	986	1079	1230	1480	1647	1692	1811	1861	2260			
min. R22 (+G _H)	kg	785	879	906	986	1079	1230	1480	1647	1692	1811	1861	2260			
L	kN	1,01	1,13	1,17	1,27	1,38	1,57	1,87	2,08	2,13	2,28	2,34	2,82			
min. HM	kN	0,97	0,91	0,98	1,11	1,26	1,46	1,37	1,54	1,63	1,76	1,86	2,15			
max. HM	kN	2,99	2,61	2,78	2,99	3,21	3,46	2,94	3,13	3,27	3,43	3,58	3,78			
S	kN	8,78	8,60	8,76	9,17	9,65	10,41	10,97	11,76	11,99	12,55	12,79	14,66			
max. H _s	kN	6,65	6,40	6,49	6,71	6,96	7,34	7,50	7,91	8,02	8,31	8,44	9,37			
min. H _s	kN	2,13	2,20	2,27	2,47	2,70	3,07	3,47	3,86	3,96	4,24	4,35	5,28			
max.P _U (V _{KR} = 40 m/min)	kN	14,07	15,90	16,64	18,6	20,84	24,26	30,29	33,96	37	45,26	48,45	27,23			
max.P _U (V _{KR} = 60 m/min)	kN	20,96	24,02	25,48	27,66	28,05	29,17	34,06	37,56	38,54	42,66	43,91	53,58			
G _G	kg	3370	3766	3890	4226	4612	5228	6240	6924	7114	7598	7808	9412			

SWL 2 x 2,5 t - 2x EKDR 3-2,5 4/1 FEM 3m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	3441	3608	3643	3774	3822	3916	4176	4359	4414	4542	4600	5007			
max. R12 (+G _H)	kg	3441	3608	3643	3774	3822	3916	4176	4359	4414	4542	4600	5007			
min. R21 (+G _H)	kg	925	1077	1097	1216	1252	1336	1586	1758	1803	1924	1975	2375			
min. R22 (+G _H)	kg	925	1077	1097	1216	1252	1336	1586	1758	1803	1924	1975	2375			
L	kN	1,12	1,31	1,34	1,49	1,54	1,65	1,96	2,17	2,23	2,38	2,45	2,93			
min. HM	kN	1,05	1,05	1,13	1,32	1,42	1,58	1,52	1,73	1,84	2,01	2,13	2,53			
max. HM	kN	3,81	3,42	3,65	3,99	4,25	4,55	3,94	4,22	4,43	4,68	4,89	5,25			
S	kN	11,68	11,58	11,71	12,33	12,54	12,97	13,39	14,22	14,45	15,03	15,28	17,16			
max. H _s	kN	9,17	8,88	8,97	9,29	9,41	9,64	9,68	10,10	10,23	10,53	10,66	11,61			
min. H _s	kN	2,51	2,69	2,74	3,03	3,12	3,33	3,72	4,11	4,22	4,50	4,62	5,55			
max.P _U (V _{KR} = 40 m/min)	kN	15,90	19,61	20,25	14,80	14,99	15,39	16,93	18,49	19,11	20,64	21,30	29,02			
max.P _U (V _{KR} = 60 m/min)	kN	24,00	30,8	27,96	28,51	29,04	30,12	35,7	39,88	41,61	44,86	46,17	35,18*			
G _G	kg	3732	4370	4480	4980	5148	5504	6524	7234	7434	7932	8150	9764			

max. R - Max. wheel load without coefficient (dead load + load to be lifted) S, max. HS, min. HS - Forces resulting from skewing plus 10%
 min. R - Min. wheel load without coefficient (dead load + load to be lifted) max. Pu - max. buffer force with oscillation
 L, min. HM, max. HM - Inertia forces resulting from drives NPU=1 - buffer against rigid stop

Loads and forces to DIN 15018

Wheel loads / inertia forces/ skewing forces / buffer forces / crane weight

SWL 2 x 3,2 t - 2x EKDR 3-3,2 4/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	2780	2987	3133	3273	3366	3446	3567	3631	3718	3775	3828	3916	3992	4061	4142
max. R12 (+G _H)	kg	2780	2987	3133	3273	3366	3446	3567	3631	3718	3775	3828	3916	3992	4061	4142
min. R21 (+G _H)	kg	1080	922	825	791	754	732	772	770	801	811	825	877	923	966	1022
min. R22 (+G _H)	kg	1080	922	825	791	754	732	772	770	801	811	825	877	923	966	1022
L	kN	0,40	0,43	0,45	0,52	0,55	0,59	0,68	0,72	0,79	0,83	0,87	0,96	1,03	1,10	1,18
min. HM	kN	0,11	0,15	0,18	0,23	0,27	0,32	0,41	0,47	0,56	0,64	0,72	0,85	0,79	0,90	1,03
max. HM	kN	0,25	0,42	0,62	0,88	1,13	1,40	1,79	2,10	2,49	2,84	3,21	3,67	3,30	3,67	4,07
S	kN	11,00	11,14	11,28	11,58	11,75	11,91	12,37	12,55	12,88	13,07	13,27	13,66	13,15	13,45	13,81
max. H _s	kN	7,89	8,48	8,90	9,30	9,56	9,79	10,13	10,32	10,56	10,73	10,88	11,13	10,65	10,83	11,05
min. H _s	kN	3,11	2,66	2,38	2,29	2,18	2,12	2,23	2,23	2,32	2,35	2,39	2,54	2,50	2,62	2,77
max.P _U (V _{KR} = 40 m/min)	kN	6,23	6,43	6,74	7,28	7,65	8,16	9,28	9,89	10,88	11,35	11,82	13,28	14,45	15,52	16,99
max.P _U (V _{KR} = 60 m/min)	kN	12,00	13,53	15,34	17,52	19,59	21,54	25,09	27,03	30,53	32,57	34,58	40,46	21,58	23,33	26,12
G _G	kg	1320	1418	1516	1728	1840	1956	2278	2402	2638	2772	2906	3186	3430	3654	3928

SWL 2 x 4 t - 2x EKDR 5-4 4/1 FEM 3m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	3428	3723	3910	4050	4194	4311	4397	4498	4568	4648	4728	4786	4939	5007	5062
max. R12 (+G _H)	kg	3428	3723	3910	4050	4194	4311	4397	4498	4568	4648	4728	4786	4939	5007	5062
min. R21 (+G _H)	kg	1382	1191	1054	963	933	915	893	906	902	920	946	958	1070	1103	1126
min. R22 (+G _H)	kg	1382	1191	1054	963	933	915	893	906	902	920	946	958	1070	1103	1126
L	kN	0,49	0,55	0,58	0,61	0,68	0,74	0,77	0,84	0,88	0,94	1,00	1,05	1,21	1,27	1,31
min. HM	kN	0,14	0,19	0,23	0,27	0,33	0,40	0,45	0,54	0,60	0,70	0,80	0,89	0,90	1,01	1,11
max. HM	kN	0,29	0,53	0,78	1,05	1,39	1,76	2,11	2,54	2,93	3,39	3,87	4,32	4,05	4,47	4,88
S	kN	13,71	14,01	14,15	14,29	14,61	14,90	15,08	15,40	15,59	15,87	16,17	16,37	16,47	16,75	16,96
max. H _s	kN	9,74	10,58	11,11	11,51	11,92	12,26	12,50	12,79	12,99	13,22	13,44	13,61	13,50	13,69	13,84
min. H _s	kN	3,97	3,43	3,04	2,78	2,69	2,64	2,58	2,62	2,61	2,66	2,73	2,77	2,97	3,06	3,12
max.P _U (V _{KR} = 40 m/min)	kN	6,89	7,67	8,32	8,84	9,87	10,82	11,32	12,32	13,10	14,08	15,13	15,83	18,91	20,11	21,04
max.P _U (V _{KR} = 60 m/min)	kN	15,96	19,69	22,10	23,74	26,98	30,28	32,42	35,90	38,97	20,97	22,68	23,84	29,64	31,61	28,08
G _G	kg	1620	1828	1928	2026	2254	2452	2580	2808	2940	3136	3348	3488	4018	4220	4376

SWL 2 x 5 t - 2x EKDR 5-5 4/1 FEM 2m

L _{KR}	m	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
max. R11 (+G _H)	kg	4205	4530	4756	4926	5099	5212	5333	5421	5528	5602	5687	5788	5911	6024	6130
max. R12 (+G _H)	kg	4205	4530	4756	4926	5099	5212	5333	5421	5528	5602	5687	5788	5911	6024	6130
min. R21 (+G _H)	kg	1692	1425	1255	1143	1105	1053	1042	1022	1039	1038	1058	1102	1175	1245	1313
min. R22 (+G _H)	kg	1692	1425	1255	1143	1105	1053	1042	1022	1039	1038	1058	1102	1175	1245	1313
L	kN	0,54	0,57	0,61	0,64	0,72	0,76	0,83	0,87	0,94	0,98	1,05	1,13	1,25	1,36	1,47
min. HM	kN	0,15	0,20	0,24	0,28	0,35	0,40	0,47	0,54	0,63	0,71	0,81	0,95	0,91	1,06	1,23
max. HM	kN	0,32	0,56	0,83	1,13	1,52	1,87	2,30	2,71	3,22	3,68	4,21	4,82	4,43	5,01	5,59
S	kN	16,81	16,98	17,14	17,30	18,03	18,21	18,53	18,73	19,09	19,30	19,60	20,03	19,42	19,92	20,40
max. H _s	kN	11,96	12,88	13,53	14,01	14,79	15,12	15,47	15,72	16,03	16,25	16,49	16,79	16,17	16,48	16,77
min. H _s	kN	4,85	4,09	3,61	3,29	3,25	3,10	3,06	3,01	3,06	3,05	3,11	3,24	3,25	3,44	3,63
max.P _U (V _{KR} = 40 m/min)	kN	7,27	7,98	8,64	9,21	10,56	11,08	11,90	12,73	14,00	14,75	15,79	17,46	19,79	21,91	23,82
max.P _U (V _{KR} = 60 m/min)	kN	17,49	20,85	23,12	24,89	29,17	31,37	34,83	36,74	20,85	22,07	23,76	26,98	31,06	28,21	28,96
G _G	kg	1794	1910	2022	2138	2408	2530	2750	2886	3134	3280	3490	3780	4172	4538	4886

Travel unit: Travel wheel diameter d - wheel tread b_{wheel} - crane rail width b_{rail}: 112-60-50; 125-60-50; 160-65-50; 200-65-50.

SWL 2 x 3,2 t - 2x EKDR 3-3,2 4/1 FEM 2m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	4182	4286	4384	4494	4547	4597	4974	5093	5219	5282	5445	5683			
max. R12 (+G _H)	kg	4182	4286	4384	4494	4547	4597	4974	5093	5219	5282	5445	5683			
min. R21 (+G _H)	kg	1041	1126	1207	1301	1339	1377	1738	1846	1962	2015	2169	2399			
min. R22 (+G _H)	kg	1041	1126	1207	1301	1339	1377	1738	1846	1962	2015	2169	2399			
L	kN	1,21	1,33	1,43	1,56	1,61	1,66	2,11	2,24	2,39	2,46	2,65	2,93			
min. HM	kN	1,12	1,04	1,19	1,36	1,48	1,59	1,66	1,83	2,01	2,14	2,37	2,66			
max. HM	kN	4,39	3,85	4,22	4,60	4,90	5,21	4,66	4,96	5,26	5,52	5,85	6,22			
S	kN	13,97	13,37	13,81	14,32	14,54	14,76	15,60	16,13	16,69	16,96	17,70	18,78			
max. H _s	kN	11,15	10,56	10,80	11,07	11,20	11,33	11,53	11,81	12,10	12,25	12,63	13,18			
min. H _s	kN	2,82	2,81	3,01	3,25	3,34	3,43	4,07	4,32	4,59	4,71	5,07	5,60			
max.P _U (V _{KR} = 40 m/min)	kN	17,70	14,39	14,65	15,03	15,24	15,43	17,84	19,24	20,74	21,41	24,49	29,02			
max.P _U (V _{KR} = 60 m/min)	kN	27,42	31,23	28,21	29,16	29,72	30,29	38,25	41,96	45,03	46,40	50,44	35,18*			
G _G	kg	4046	4424	4782	5190	5372	5548	7024	7478	7962	8194	8828	9764			

SWL 2 x 4 t - 2x EKDR 5-4 4/1 FEM 3m

L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	5205	5316	5372	5470	5594	5769	6025	6066	6222	6453	6639	6889			
max. R12 (+G _H)	kg	5205	5316	5372	5470	5594	5769	6025	6066	6222	6453	6639	6889			
min. R21 (+G _H)	kg	1240	1326	1358	1436	1540	1698	1933	1959	2102	2320	2494	2732			
min. R22 (+G _H)	kg	1240	1326	1358	1436	1540	1698	1933	1959	2102	2320	2494	2732			
L	kN	1,47	1,59	1,64	1,74	1,88	2,08	2,37	2,42	2,59	2,86	3,08	3,37			
min. HM	kN	1,34	1,23	1,33	1,50	1,70	1,99	1,87	1,98	2,21	2,52	2,78	3,12			
max. HM	kN	5,49	4,80	5,15	5,59	6,07	6,62	5,73	6,02	6,43	6,89	7,31	7,76			
S	kN	17,66	16,89	17,11	17,56	18,14	18,99	18,49	18,65	19,35	20,39	21,23	22,36			
max. H _s	kN	14,23	13,49	13,63	13,88	14,19	14,64	13,97	14,07	14,43	14,97	15,40	15,98			
min. H _s	kN	3,43	3,40	3,49	3,68	3,95	4,35	4,52	4,58	4,91	5,42	5,83	6,38			
max.P _U (V _{KR} = 40 m/min)	kN	23,89	26,34	15,58	16,09	16,94	18,35	21,38	21,78	24,96	29,28	34,23	39,59			
max.P _U (V _{KR} = 60 m/min)	kN	28,99	30,21	31,22	33,21	35,72	39,5	46,33	47,19	50,99	56,40	38,23*	43,14*			
G _G	kg	4890	5284	5460	5812	6268	6934	7916	8050	8648	9546	10266	11242			

SWL 2 x 5 t - 2x EKDR 5-5 4/1 FEM 2m

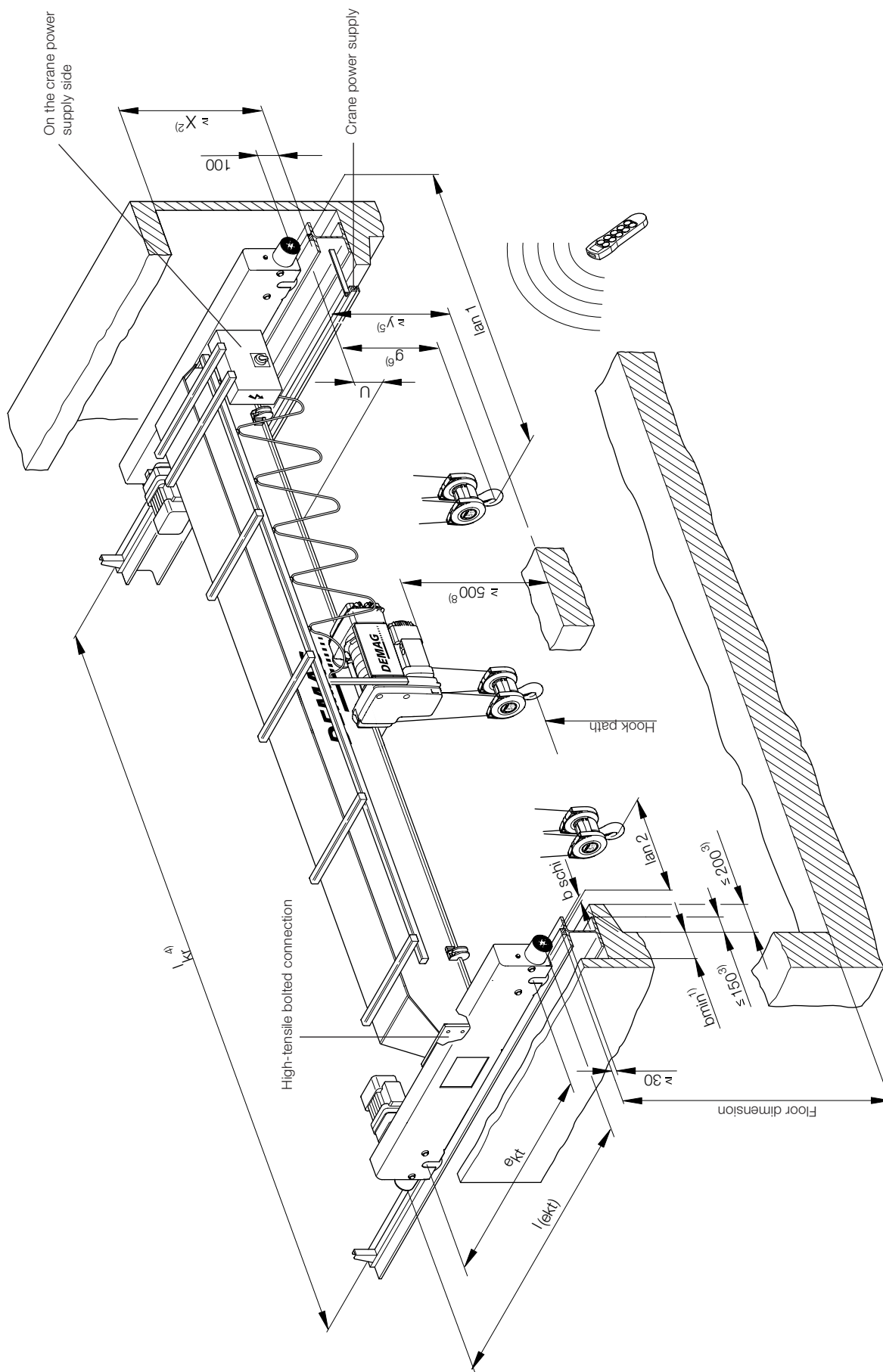
L _{KR}	m	19	20	21	22	23	24	25	26	27	28	29	30			
max. R11 (+G _H)	kg	6194	6302	6423	6593	6734	6777	7046	7116	7175	7310	7595	8020			
max. R12 (+G _H)	kg	6194	6302	6423	6593	6734	6777	7046	7116	7175	7310	7595	8020			
min. R21 (+G _H)	kg	1342	1418	1511	1656	1768	1791	2039	2091	2134	2252	2523	2935			
min. R22 (+G _H)	kg	1342	1418	1511	1656	1768	1791	2039	2091	2134	2252	2523	2935			
L	kN	1,52	1,63	1,76	1,95	2,10	2,14	2,45	2,52	2,59	2,74	3,07	3,57			
min. HM	kN	1,35	1,22	1,41	1,66	1,89	2,01	1,92	2,05	2,19	2,41	2,81	3,36			
max. HM	kN	6,08	5,31	5,84	6,47	7,05	7,46	6,50	6,88	7,24	7,70	8,32	9,05			
S	kN	20,66	19,63	20,18	20,98	21,62	21,79	21,12	21,40	21,64	22,22	23,52	25,46			
max. H _s	kN	16,94	15,99	16,30	16,74	17,09	17,20	16,35	16,51	16,65	16,96	17,62	18,61			
min. H _s	kN	3,71	3,64	3,87	4,24	4,53	4,58	4,77	4,89	4,99	5,26	5,89	6,85			
max.P _U (V _{KR} = 40 m/min)	kN	25,02	15,56	16,18	17,35	18,58	19,00	22,39	23,71	24,80	27,33	34,07	44,14			
max.P _U (V _{KR} = 60 m/min)	kN	29,55	31,07	33,50	36,85	40,15	41,31	47,93	49,50	50,81	53,72	38,07*	45,76*			
G _G	kg	5072	5440	5868	6498	7004	7136	8170	8414	8618	9124	10236	11910			

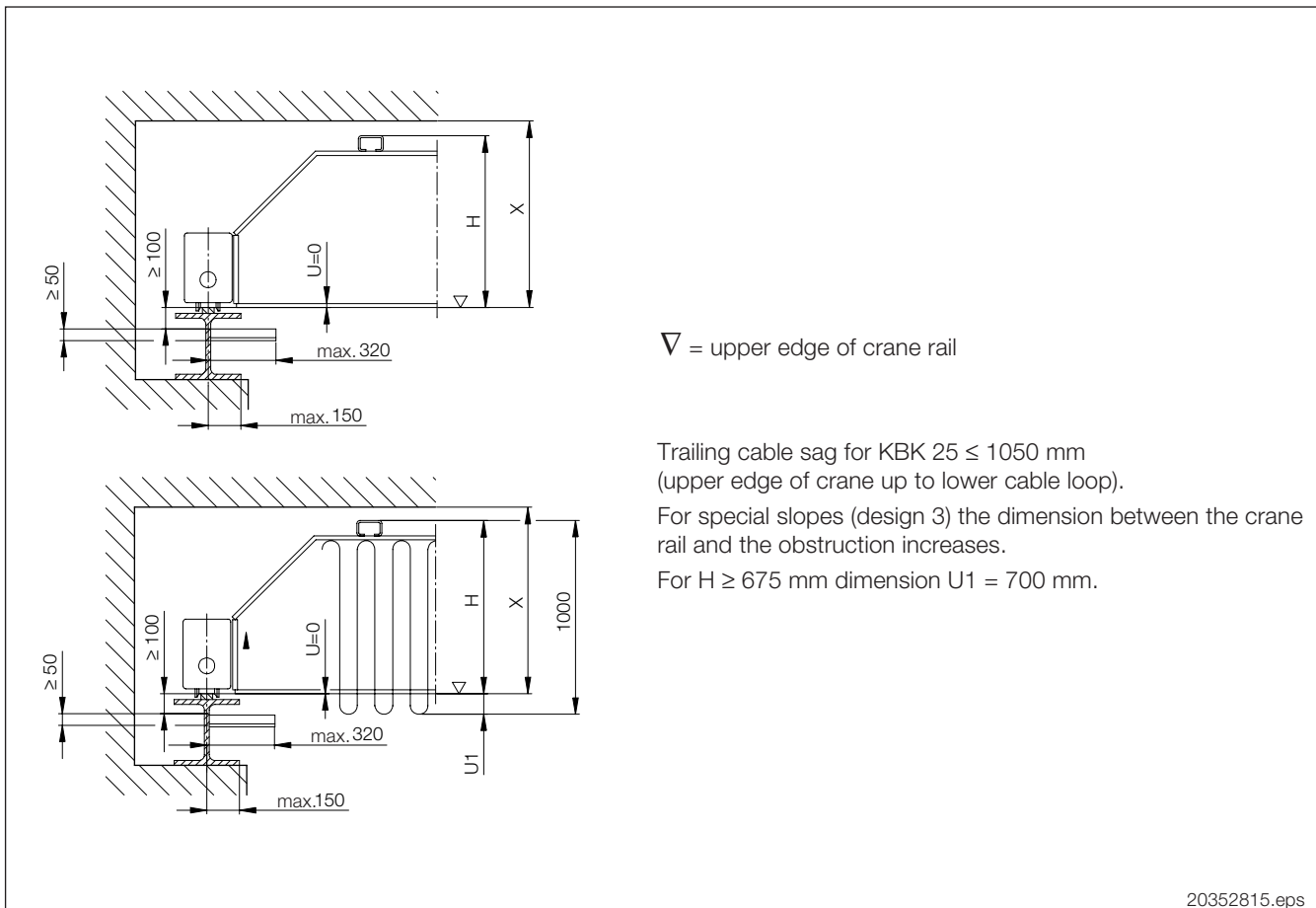
max. R - Max. wheel load without coefficient (dead load + load to be lifted)
 min. R - Min. wheel load without coefficient (dead load + load to be lifted)
 L, min. HM, max. HM - Inertia forces resulting from drives

S, max. HS, min. HS - Forces resulting from skewing plus 10%
 max. Pu - max. buffer force with oscillation coefficient 1,25
 NPU=1 - buffer against rigid stop

Crane side 1

Crane side 2





The dimensions and technical data specified in the dimension catalogue were calculated on the basis of specific conditions. In individual cases, deviations might occur. In the event of an order being placed, the exact values will be determined using the corresponding computer programs.

General information:

- Technical data for other lifting classes, loading groups and groups of mechanisms on request.
- The entered dimensions are nominal dimensions. Calculations must be made with the corresponding tolerances. They may result in dimensional variations.
- Structural dimensions and weights refer to the basic design. Deviations require a statics calculation for verification.
- Larger hook paths increase dimensions lan1 and lan2. The approach dimensions refer to the highest hook position.
- Minimum wheel base 2000 mm (smaller wheel base on request).
- For raised cranes the influence on the end carriages and the approach dimensions must be checked:

Design 4

$$\text{lan1 (BF4)} = \text{lan1 (BF1)} + 130 \text{ mm}$$

$$\text{lan2 (BF4)} = \text{lan2 (BF1)} + 150 \text{ mm}$$

Design 5 (u = 120-270)

$$\text{lan1 (BF5)} = \text{lan1 (BF4)} + 50 \text{ mm}$$

$$\text{lan2 (BF5)} = \text{lan2 (BF4)} + 50 \text{ mm}$$

Design 5 (u > 270)

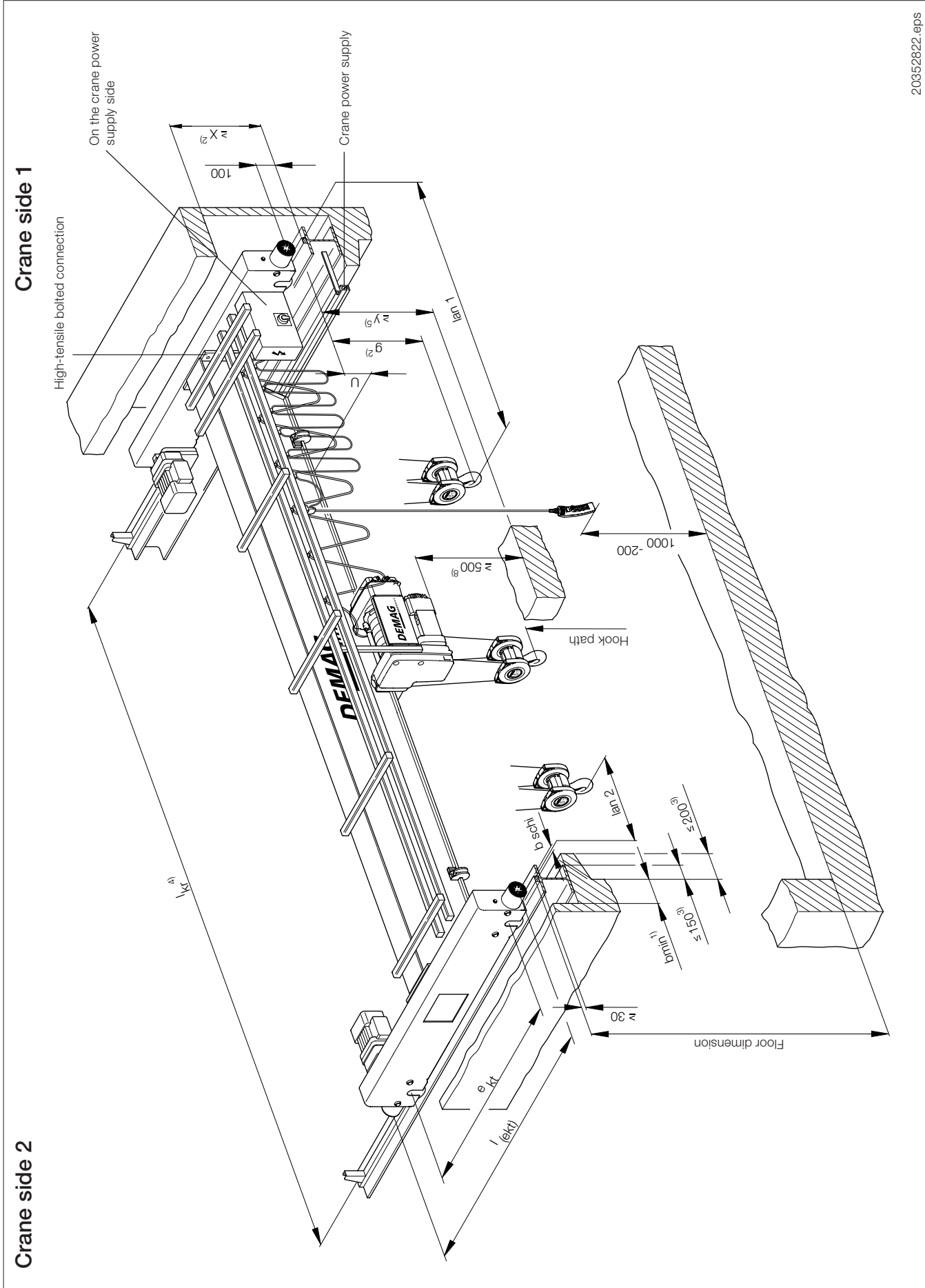
$$\text{lan1 (BF5)} = \text{lan1 (BF4)} + 100 \text{ mm}$$

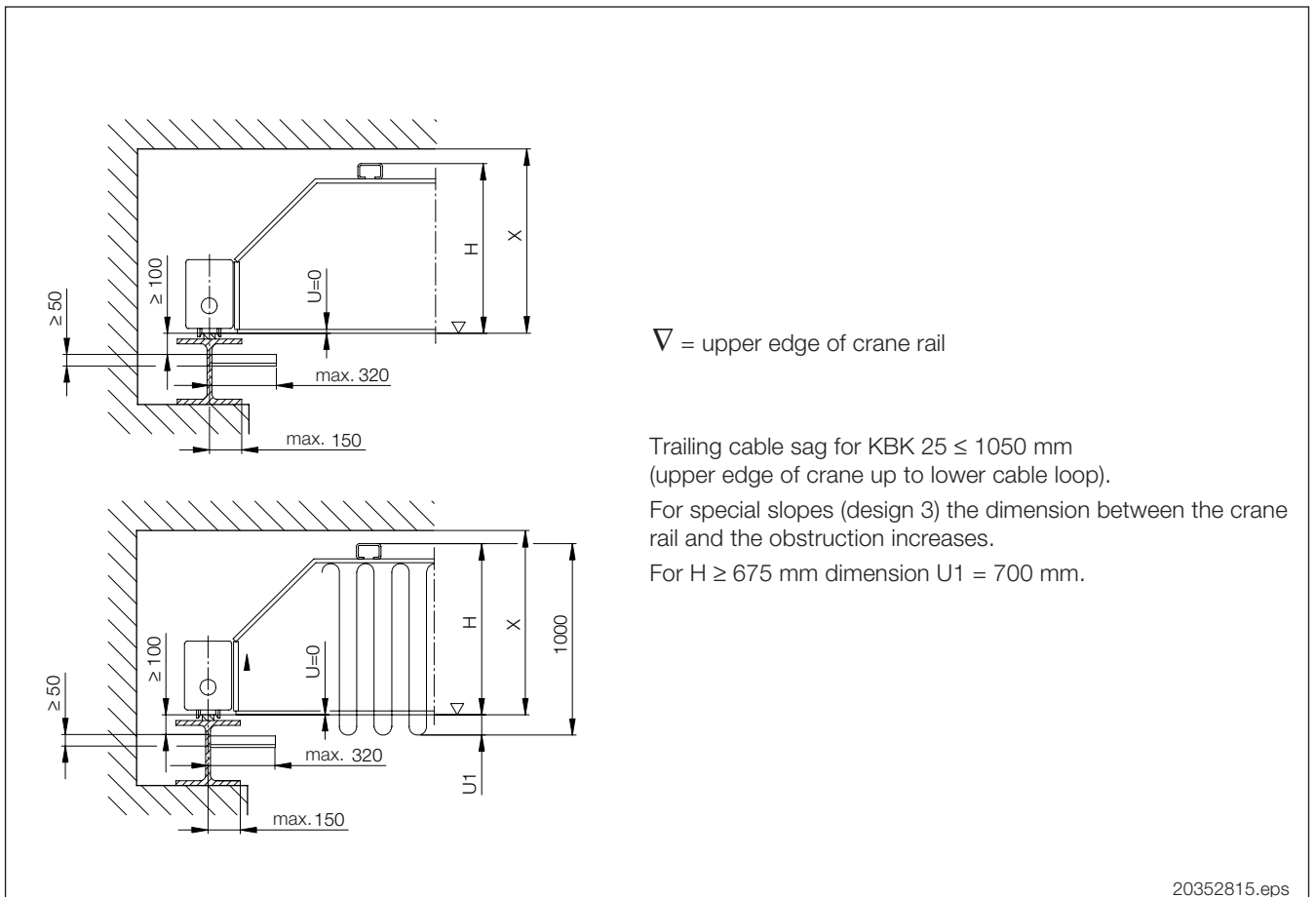
$$\text{lan2 (BF5)} = \text{lan2 (BF4)} + 100 \text{ mm}$$

- 1) Check possibilities for fitting (b_{\min} = minimum lateral crane clearance dimension).
- 2) Crane power supply on crane runway girder.
- 3) Dimension > 150 or 200 changes dimensions lan1 and lan2.
- 4) Admissible span tolerance of the crane runway:

for Lkr ≤ 15 m:	± 5 mm
for Lkr > 15 m:	± (5 + 0,25 (Lkr - 15)) mm acc. to DIN 4132, with Lkr in m.
- 5) According to the accident prevention regulations BGV D6 (VBG 9), a lower safety distance of 500mm must be kept between moving and non-moving parts of cranes. This applies with the exception of the bottom block with elastic suspension from the rope.
- 6) If an operating limit switch is fitted, hook dimension C or g increases:

2/1 reeving:	+50 mm
4/1 reeving:	+20 mm





∇ = upper edge of crane rail

Trailing cable sag for KBK 25 ≤ 1050 mm
(upper edge of crane up to lower cable loop).

For special slopes (design 3) the dimension between the crane rail and the obstruction increases.

For $H \geq 675$ mm dimension $U_1 = 700$ mm.

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- Minimum wheel base 2000 mm (smaller wheel base on request).
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Design 4

$$lan_1 (BF4) = lan_1 (BF1) + 130 \text{ mm}$$

$$lan_2 (BF4) = lan_2 (BF1) + 150 \text{ mm}$$

Design 5 ($u = 120-270$)

$$lan_1 (BF5) = lan_1 (BF4) + 50 \text{ mm}$$

$$lan_2 (BF5) = lan_2 (BF4) + 50 \text{ mm}$$

Design 5 ($u > 270$)

$$lan_1 (BF5) = lan_1 (BF4) + 100 \text{ mm}$$

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