

Demag Standard Crane manual



Demag sets crane standards for the future



Standard solutions made by Demag offer outstanding quality, efficiency and reliability at the highest level. Every crane and every crane component reflects decades of crane expertise and reliability as a partner for the industry.

Innovation for greater efficiency

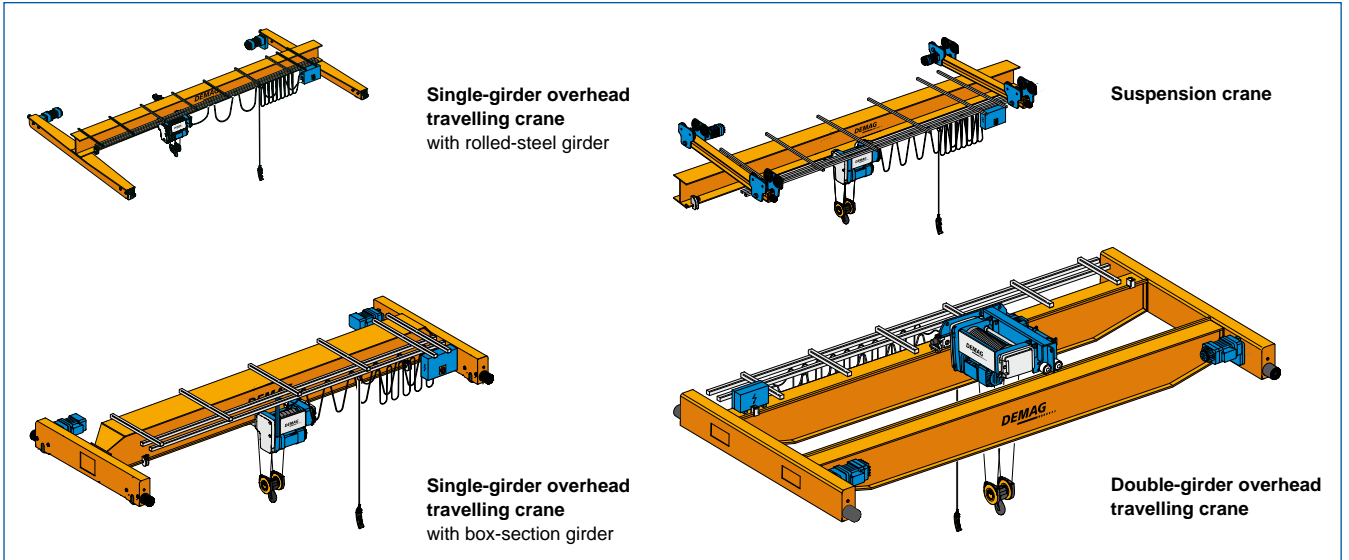
With the new Demag DR rope hoist, we have introduced an extended state-of-the-art for Standard Cranes in applications for loads weighing up to 50 t and have defined an entirely new crane philosophy.

The C shape of the Demag DR rope hoist design is ideally suited to crane applications. Thanks to the many benefits offered by the new DR rope hoist, the entire crane operates much more efficiently.

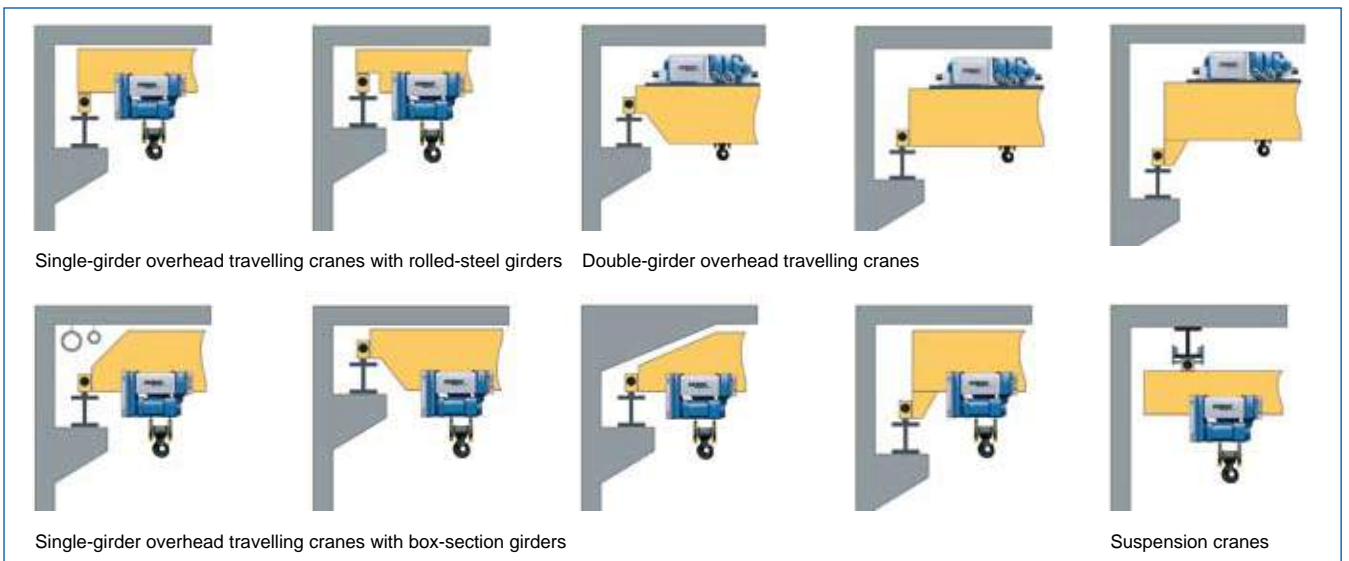
- Reproducible connection geometry and effective spare parts management offer an optimum planning and investment basis
- Proven crane geometry with welded crane girders guarantees high design rigidity, optimum travel characteristics and minimum wear

Crane type	Suspension cranes	Single-girder overhead travelling cranes	Double-girder overhead travelling cranes
Load capacity* up to	5 t	10 t	50 t
Span dimension* up to	14 m	30 m	
Long-travel speed* up to	40 m/min		
Cross-travel speeds* up to	30 m/min		25 m/min
Lifting speed* up to	12,5 m/min		
Stepless motions	3 axes		

* Other specifications on request

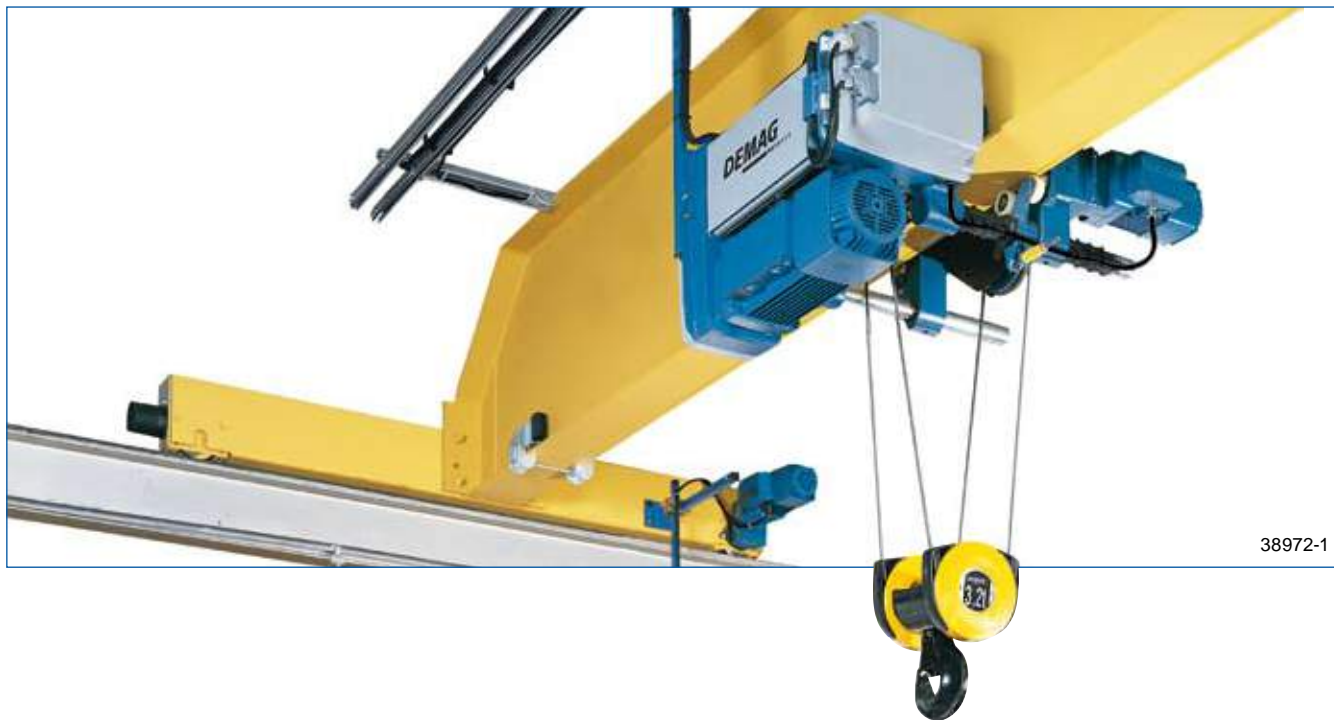


- Raised crane girders, designs tailored to match the roof structure and compact crabs with minimum approach dimensions facilitate larger hook paths as well as better utilization of the available space and reduce initial construction and subsequent costs
- Ergonomic operating elements and bi-directional radio control provide for highly convenient operation and safe load handling. The display provides complete transparency for control of the installation.
- Infinitely variable speed control in all motion axes thanks to frequency inverter-fed drives reduces load sway, facilitates exact and gentle positioning and lowers the mechanical load on the crane installation
- High lifting and cross-travel speeds provide faster handling rates and greater efficiency



The individual crane girder designs enable Demag Standard Cranes to be ideally adapted to the building structure.

Hoists – suitable for every application



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Demag DR rope hoist

With its particularly high lifting and cross-travel speeds, the Demag DR rope hoist provides higher handling rates and efficiency for cranes with load capacities up to 50 t.

- Compact designs with minimum approach dimensions (lan1 /lan2) and large hook path guarantee optimum utilization of the available space and height and reduce initial construction and subsequent costs
- Infinitely variable hoist and travel motions guarantee low-sway handling. Precise, gentle positioning provides for greater safety and convenient operation
- CAN Bus technology to meet tomorrow's demands for high data transmission reliability, corresponding to safety class 3 to DIN/EN 954, ensure optimum monitoring for greater efficiency thanks to preventive maintenance
- Cross-travel inverter and braking resistor integrated in the electrical enclosure to save space
- Low deadweight minimizes wear for the entire crane installation

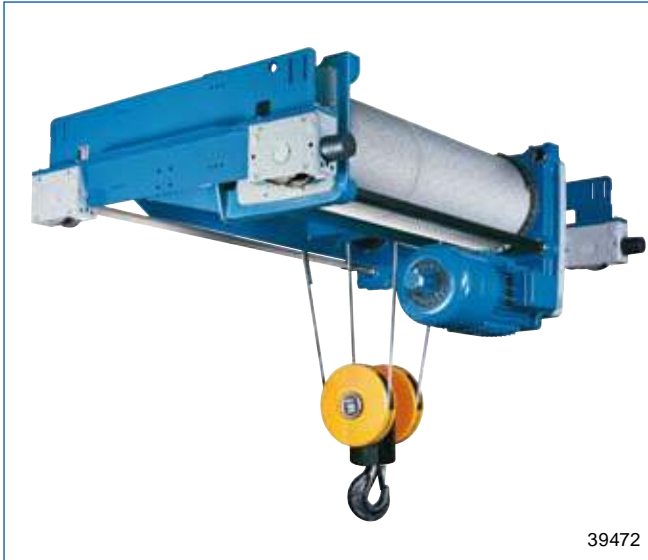
Bottom block

- New bottom block design for DR rope hoists with a load capacity up to 10 t
- DIN load hooks facilitate convenient connection of load attachments
- Rope lead-in guard eliminates the risk of being caught between the rope and sheave
- Handle recesses on both sides simplify handling of the bottom block and increase operating safety

DR rope hoists are available as travelling monorail units, double-rail crabs and as foot-mounted hoists

EKDR monorail hoist

- The series travelling hoist for single-girder cranes
- C-design optimised for crane applications
- Low headroom trolley without counterweight



EZDR double-rail crab

- The series crab for double-girder cranes
- Standard track dimensions 1400/2240/2800 mm
- Anti-derailment and lift-off protection as standard



FDR foot-mounted hoist

- The solution ready for installation in cranes and for plant engineering
- Reeving components for 2/1, 4/1 and 4/2 fitted to the hoist

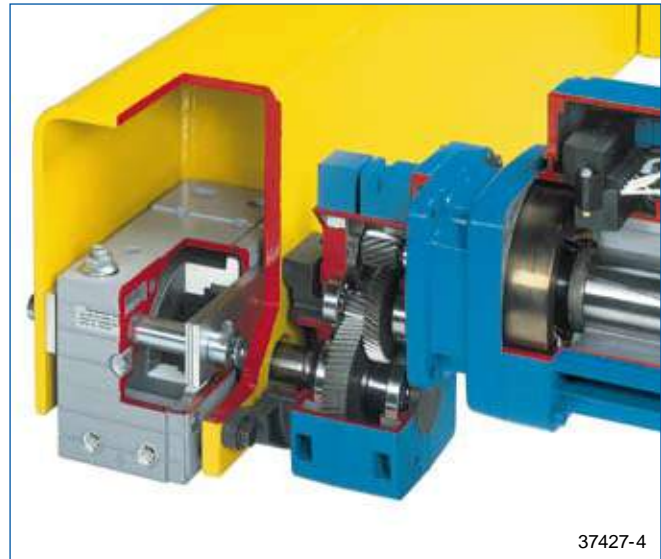


Demag DC-Pro chain hoist

Particularly long service life for loads weighing up to 5,000 kg. DC-Pro chain hoists are particularly user-friendly and feature high standards of safety and reliability and optimum efficiency.

- Comprehensive standard features:
 - Limit switches, elapsed operating time counter, contactor control, diagnosis interface
- Simple commissioning thanks to plug connections
- Gearbox, brake and slipping clutch are maintenance-free for up to 10 years
- Also available with infinitely variable speed control for particularly smooth lifting, lowering and positioning motions

Attention to detail for total quality



Crane end carriage

- Maximum stability thanks to a rigid box-section design with a reinforced connection featuring a welded diaphragm plate as well as engineering tolerances in the crane girder connection guarantee high inherent rigidity and optimum travel characteristics with minimum wear
- The precise travel wheel arrangement and exact adaptation to the crane span dimension thanks to interchangeable spacer elements ensure optimum travel characteristics and high adaptability
- Crane travel unit design with the aid of in-house static design programs and simple assembly thanks to good accessibility offer safety and efficiency

Travel unit

- Maintenance-free drives with anti-friction bearings lubricated for life, generous bearing arrangement to accommodate horizontal forces and travel wheels made of spheroidal graphite cast iron provide for favourable travel characteristics and minimum crane runway wear
- Infinitely variable travel speeds thanks to frequency inverter-fed drives with speeds up to 80 m/min without the need for any additional cabling and wiring guarantee low-vibration travel as well as precise positioning and reduce the load on the overall installation



Power supply line

- Demag DCL compact conductor line for 4 to 7 poles and screw-type connections ensures long-term power supply and minimises unplanned downtime
- Pre-assembled elements for simple assembly or replacement of current collector trolleys or complete straight sections provide optimum serviceability
- IP 23 or IP 24 high protection against accidental contact with sealing lip and integrated expansion compensation for optimum safety

Control

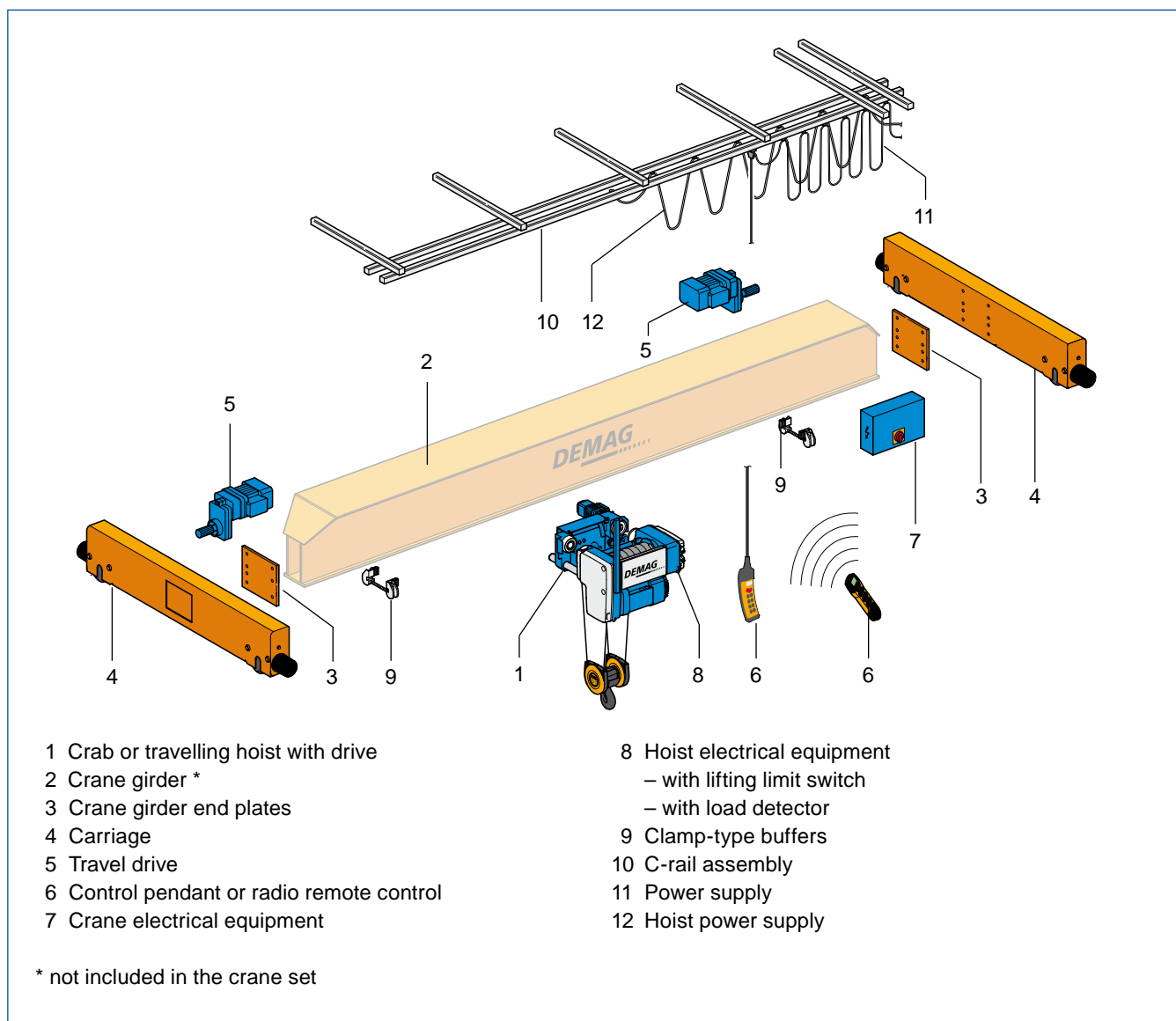
Ergonomically designed control units for safe, fatigue-free handling. The display provides complete transparency for control of the installation. The CAN Bus control system corresponds to safety category 3 to DIN/EN 954

- Demag DLC line control
height-adjustable control pendant suspended for separate travel on the crane girder
- Demag DRC
radio remote controls with proportional pushbuttons for wireless control with variable radio frequency operation for unimpeded radio transmission
- Demag DRC-J joystick transmitter
Radio control with practical belt that can be comfortably worn from the shoulder

Demag crane sets – tailored component packages

Crane sets by Demag Cranes & Components are complete, tailored component packages for efficient single or double-girder and suspension crane solutions that save you time.

Demag crane sets are based on standardised components for simple and user-friendly assembly on the Plug-&-Play principle.



Demag spare part sets – efficient, genuine and always complete

We tailor our services to meet our customers' needs: Demag spare part sets enable us to improve our spare part order processes even further. Whereas you had to pick the right parts from many spares lists, technical documentation and price lists in the past, you now use the possibilities offered by our online shop. Quickly and efficiently, you give us the number of the spare part set you need and can have it sent the same day.

Spare part sets designed for various sub-assemblies are the basis for effective, preventive maintenance and repairs.

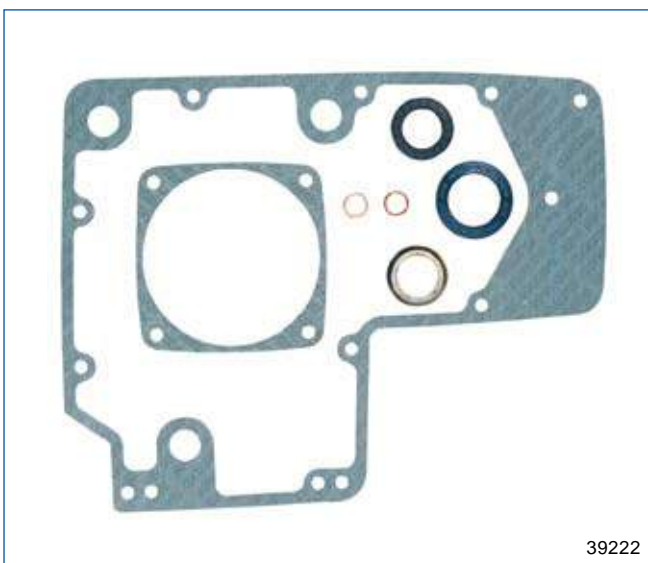
- Replacing all the spare parts contained in the set "in one go" makes the specified service or maintenance work more systematic.
- Installing genuine Demag spare parts as a set ensures functional reliability, a long service life and high product availability.

This significantly enhances the efficiency of your installations thanks to

- shorter off and down times,
- shorter repair periods,
- high installation availability,
- reduction of additional process downtime costs.

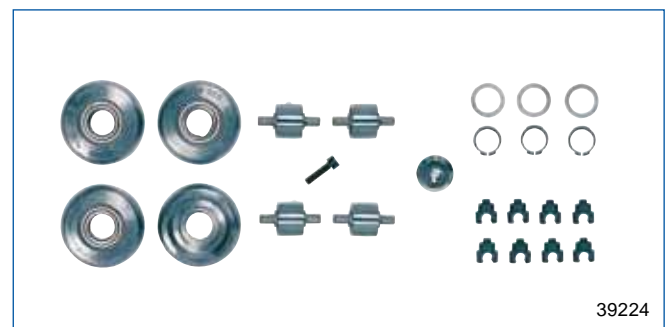
The following sets are available:

- Rope guide set for EKDR rope hoists
- Wheel set for EKDR rope hoists
- Seal set for EKDR rope hoists
- Cross-travel limit switch extension set incl. hardware and software:
 - Optical distance device
 - Large load display
 - DRC10 radio remote control system



Maintenance set

Seal set for EKDR rope hoists



Repair set

Wheel set for EKDR rope hoists

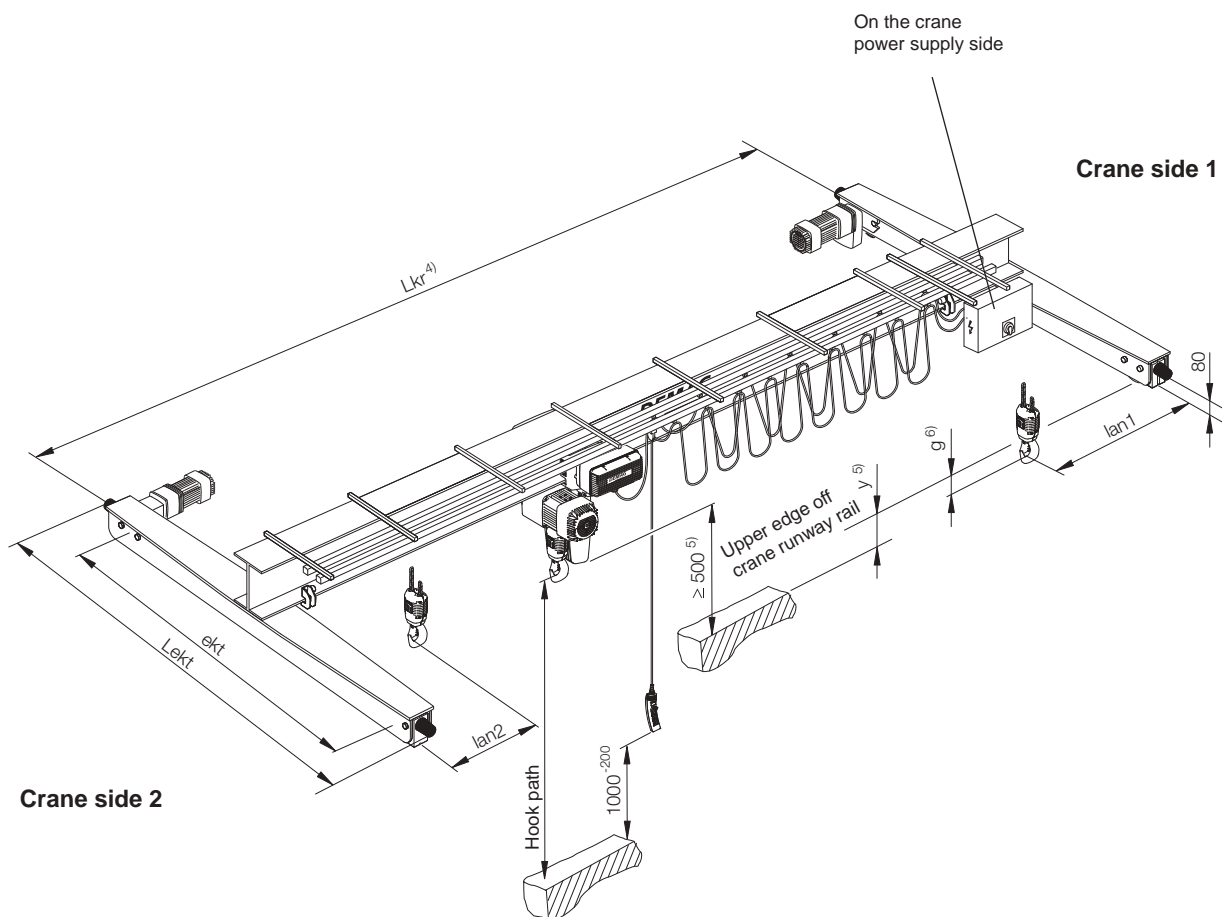
1	ELKE with EUDC (see also technical data 203 665 44)	12
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8	EKDR 3, 5, 10 (see also technical data 203 520 44)	80
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11	FDR 3 - 10 (see also technical data 203 675 44)	122
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Demag standard single-girder overhead travelling crane

Type: ELKE

with rolled profile girder and EUDC chain hoist up to 2.5 t SWL



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1) Check possibilities for installation.

(b_{min} = min. lateral clearance dimension for crane travel).

2) Crane power supply system on crane runway girder.

4) Permissible span tolerance of crane runway: for L_{kr} ≤ 15 m: ± 5 mm acc. to DIN 4132.

5) According to the accident prevention regulations BGV D6, a lower safety distance of 500 mm must be kept between moving and non-moving parts of cranes. A load hook with elastic suspension is excluded from that.

6) If an operating limit switch is fitted, hook dimension C or g increases:

2/1 reeving: + 50 mm

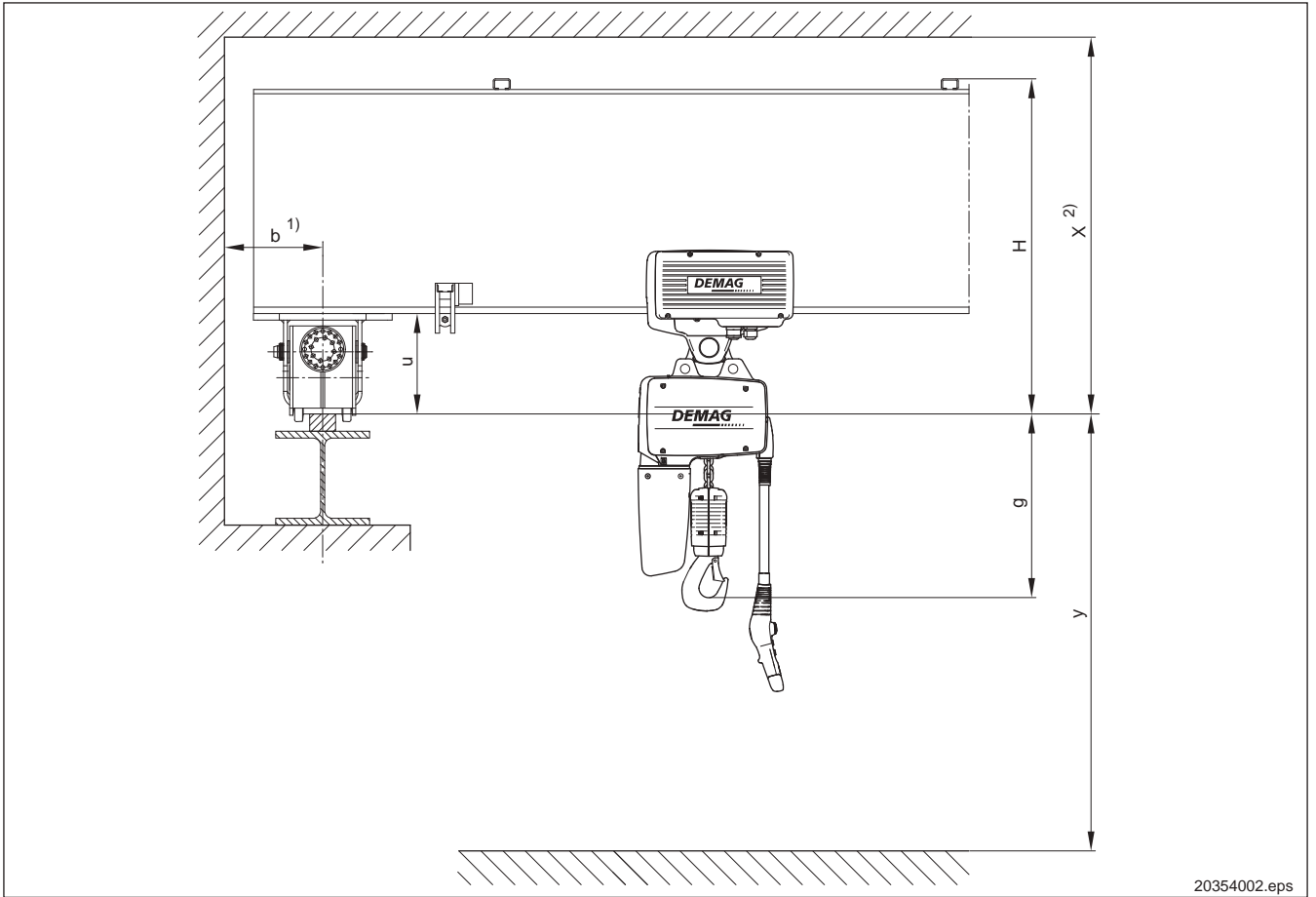
4/1 reeving: + 20 mm

Demag ELKE standard single-girder overhead travelling crane

Crane girder: Profile section girder; design 1

Travel unit: DFW-L-L ___ / ___ / O

Monorail hoist: EUDC



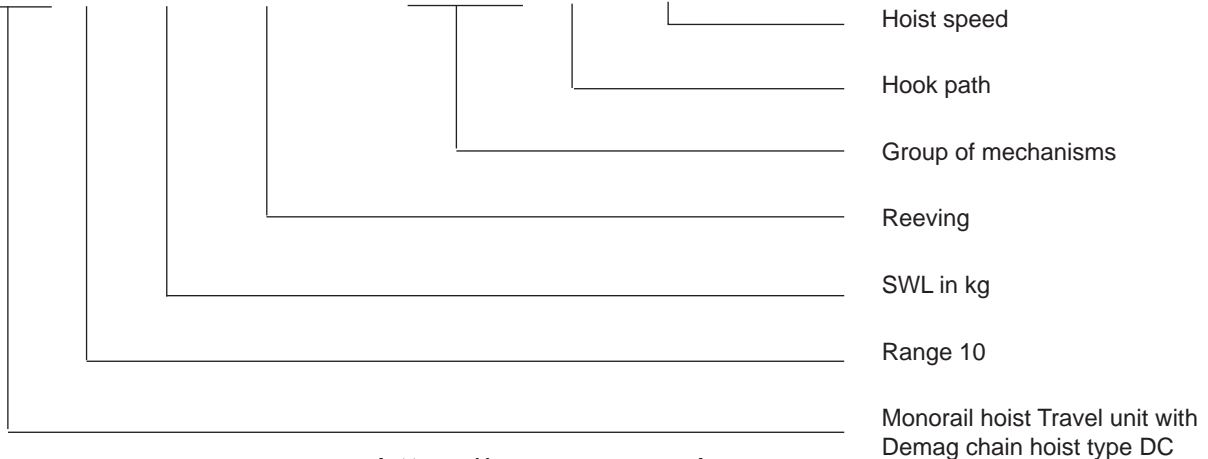
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Type designation

DFW-L-L 112 / 1750 / O



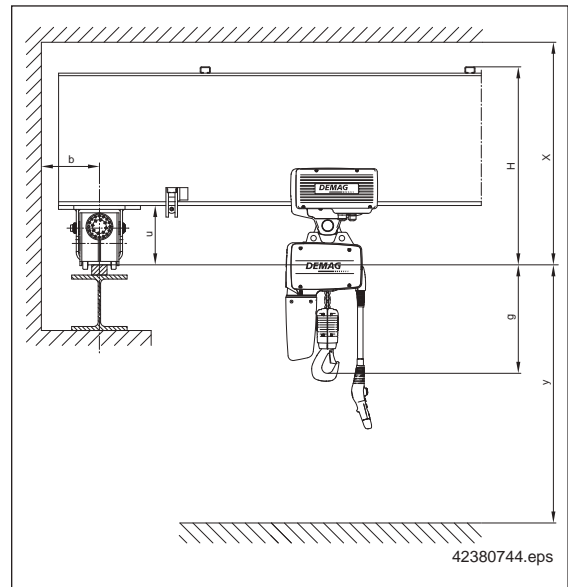
EUDC 10 - 1000 1/1 (EU11) FEM 2m - 11 - 12/3



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ELKE SWL 1.0 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: EUDC 10-1000 1/1 (EU11)
 FEM 2m



Hook path: up to 11 m; lifting speed: 12/3 m/min
 Cross-travel speed up to 24 m/min

Crane			Crane girder			Monorail hoist						Travel unit					
L_{kr}	max. R	G_e	X	H	u	I_{an1} 1)	I_{an2} 1.2)	I_{an2} 1,3)	g	y 2)	y 3)	$I_{an3,4}$	d	e_{Kt}	I_{EKT}	DPZ	b
4	587	553	460	410	-180	475	495	570	367	977	1033	1040	112	1750	2080	70	140
5	613	601		430					366	976	1032						
6	634	648	450	365					975	1031							
7	668	754	469	364					974	1030							
8	688	810	490	363					973	1029							
9	730	956	510	361					971	1027							
10	770	1102	531														
11	793	1175															
12	839	1348															
13	902	1587															
14	961	1812															
15	990	1915															

- 1) Increase I_{an1} and I_{an2} by 120 mm on the power supply side of the monorail hoist.
- 2) H5 and H8
- 3) H11

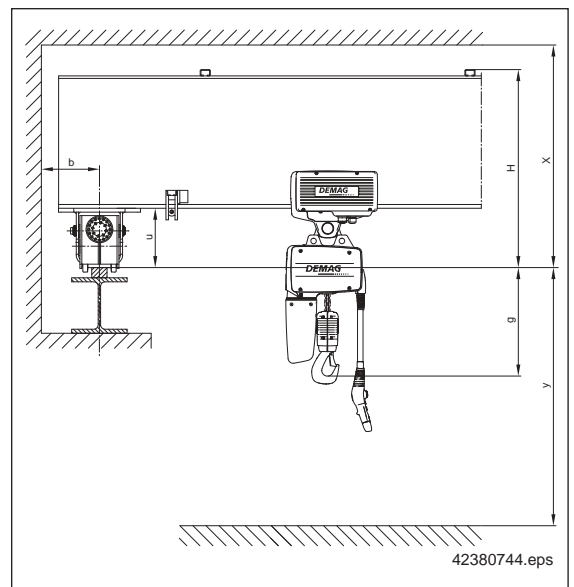
All data in mm (L_{kr} in m).

Weights **max. R** and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ELKE SWL 1.25 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: EUDC 10-1250 1/1 (EU22)
 FEM 1Am



Hook path: up to 11 m; lifting speed: 8/2 m/min

Cross-travel speed up to 24 m/min

Crane			Crane girder			Monorail hoist						Travel unit					
L_{kr}	max. R	G_G	X	H	u	l_{an1} 1)	l_{an2} 1.2)	l_{an2} 1,3)	g	y 2)	y 3)	$l_{an3,4}$	d	e_{Kt}	l_{EKT}	DPZ	b
4	699	559	460	410	-180	475	495	570	379	989	1045	1040	112	1750	2080	70	140
5	728	607															
6	752	654															
7	787	760	480	430													
8	828	896	500	450													
9	896	1034	519	469													
10	892	1108															
11	938	1273	540	490													
12	998	1500	560	510													
13	1025	1593															
14	1085	1818	581	531													
15	1141	2034	599	549													

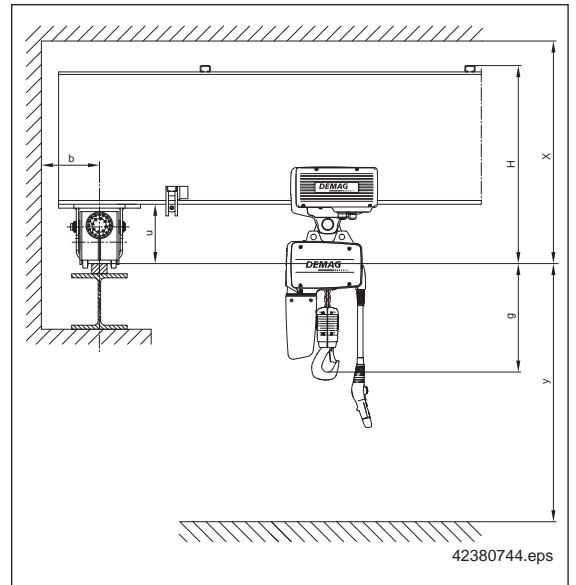
1) Increase l_{an1} and l_{an2} by 120 mm on the power supply side of the monorail hoist.

2) H5 and H8

3) H11

ELKE SWL 1.6 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: EUDC 16-1600 1/1 (EU22)
 FEM 2m



Hook path: up to 11 m; lifting speed: 8/2 m/min
 Cross-travel speed up to 24 m/min

Crane			Crane girder			Monorail hoist						Travel unit					
L _{KR}	max. R	G _G	X	H	u	I _{an1} 1)	I _{an2} 1.2)	I _{an2} 1,3)	g	y 2)	y 3)	I _{an3,4}	d	e _{KT}	I _{EKT}	DPZ	b
4	871	654	480	430	-180	550	565	595	513	1186	1270	1040	112	1750	2080	70	140
6	941	765		450					512	1185	1269						
8	1028	1021	519	469					511	1184	1268						
9	1054	1094		510					1183	1267							
10	1100	1251	540	490					508	1181	1265						
11	1160	1466	560	510					506	1179	1263						
12	1216	1673	581	531													
13	1247	1776															
14	1303	1984	599	549													
15	1361	2200	621	571													

- 1) Increase I_{an1} and I_{an2} by 120 mm on the power supply side of the monorail hoist.
- 2) H5 and H8
- 3) H11

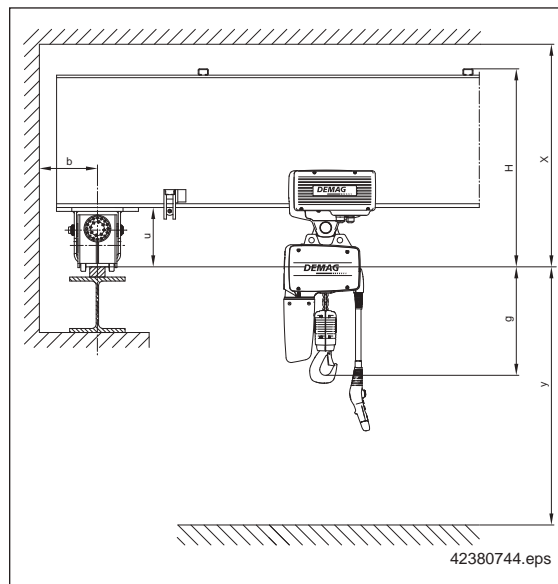
ELKE SWL 2.0 t

Crane girder: Profile section girder; design 1

Travel unit: DFW-L-L___/___/O

Monorail hoist: EUDC 10-2000 2/1 (EU22)

FEM 2m



Hook path: up to 11 m; lifting speed: 6/1.5 m/min

Cross-travel speed up to 24 m/min

Crane			Crane girder			Monorail hoist						Travel unit						
L_{kr}	max. R	G_G	X	H	u	$l_{an1 1)}$	$l_{an2 1.2)}$	$l_{an2 1.3)}$	$l_{an2 1.4)}$	g	y 2.3)	y 4)	$l_{an3,4}$	d	e_{Kt}	l_{EKT}	DPZ	b
4	1053	650	500	450	-180	475	495	555	630	446	987	1043	1040	112	1750	2080	70	140
5	1096	715																
6	1130	781																
7	1174	903	519	469														
8	1203	976																
9	1249	1125	540	490														
10	1306	1328	560	510														
11	1362	1526	581	531														
12	1393	1628																
13	1448	1829	599	549														
14	1504	2038	621	571														
15	1587	2353	660	610														

1) Increase l_{an1} and l_{an2} by 120 mm on the power supply side of the monorail hoist.

- 2) H5
- 3) H8
- 4) H11

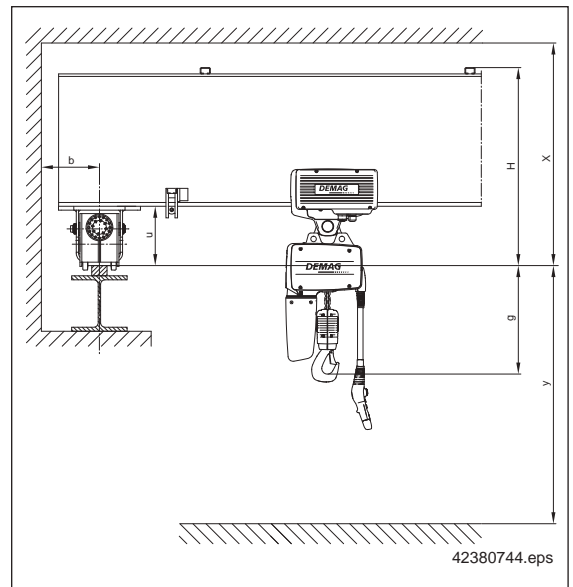
All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ELKE SWL 2.0 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: EUDC 25-2000 1/1 (EU34)
 FEM 2m



Hook path: up to 11 m; lifting speed: 8/2 m/min

Cross-travel speed up to 14 m/min

Crane			Crane girder			Monorail hoist						Travel unit						
L_{KR}	max. R	G_e	X	H	u	l_{an1} 1)	l_{an2} 1.2)	l_{an2} 1,3)	g	y 2)	y 3)	$l_{an3,4}$	d	e_{KT}	l_{EKT}	DPZ	b	
4	1053	695	500	450	-180	550	565	595	512	1185	1269	1040	112	1750	2080	70	140	
5	1100	760																
6	1138	826	519	469														
7	1183	948		540					490									
8	1230	1089							511	1184	1268							
9	1260	1170	560	510					510	1183	1267							
10	1319	1373		581					531	508	1181							1265
11	1375	1571	599						549	506	1179							1263
12	1407	1673							621	571	505							1178
13	1462	1874	660	610														
14	1520	2083																
15	1603	2398																

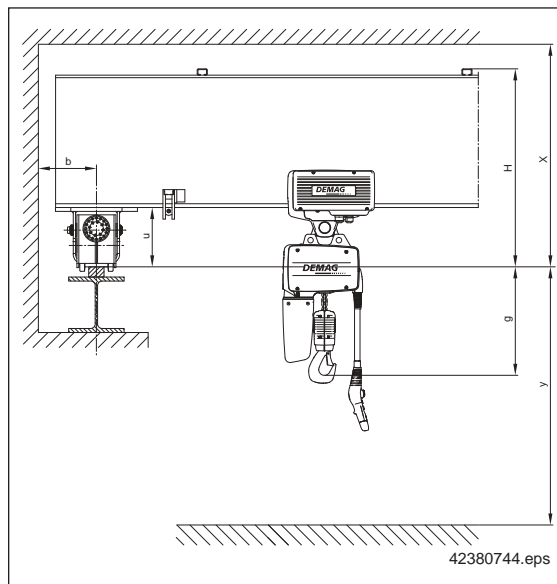
1) Increase l_{an1} and l_{an2} by 120 mm on the power supply side of the monorail hoist.

2) H5 and H8

3) H11

ELKE SWL 2.5 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: EUDC 10-2500 2/1 (EU34)
 FEM 1Am



Hook path: up to 11 m; lifting speed: 4/1 m/min

Cross-travel speed up to 14 m/min

Crane			Crane girder			Monorail hoist							Travel unit					
L_{kr}	max. R	G_G	X	H	u	$l_{an1\ 1)}$	$l_{an2\ 1.2)}$	$l_{an2\ 1.3)}$	$l_{an2\ 1.4)}$	g	y 2.3)	y 4)	$l_{an3,4}$	d	e_{Kt}	l_{EKT}	DPZ	b
4	1282	687	519	469	-180	475	495	555	630	446	987	1043	1040	112	1750	2080	70	140
5	1333	761		445						986	1042							
6	1386	885	560	490						444	985	1041						
7	1444	1052								442	983	1039						
8	1480	1145								440	981	1037						
9	1514	1239	660	610						439	980	1036						
10	1569	1427								581	531							
11	1623	1613								599	549							
12	1678	1808								621	571							
13	1756	2097	660	610						439	980	1036						
14	1794	2227								439	980	1036						
15	1831	2357								439	980	1036						

1) Increase l_{an1} and l_{an2} by 120 mm on the power supply side of the monorail hoist.

- 2) H5
- 3) H8
- 4) H11

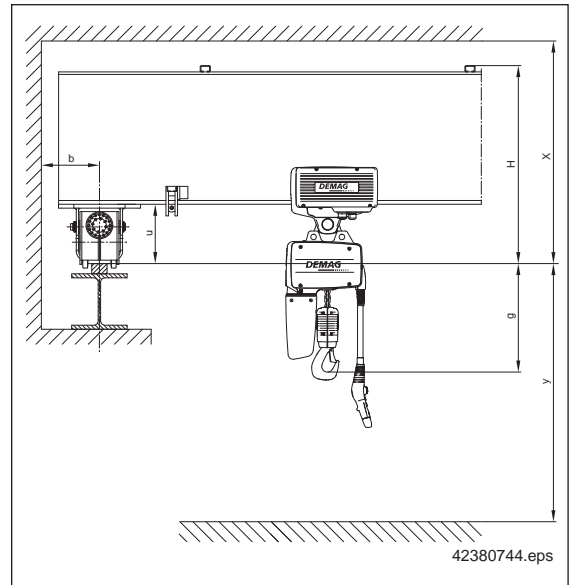
All data in mm (L_{kr} in m).

Weights **max. R** and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ELKE SWL 2.5 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: EUDC 25-2500 1/1 (EU34)
 FEM 1Am



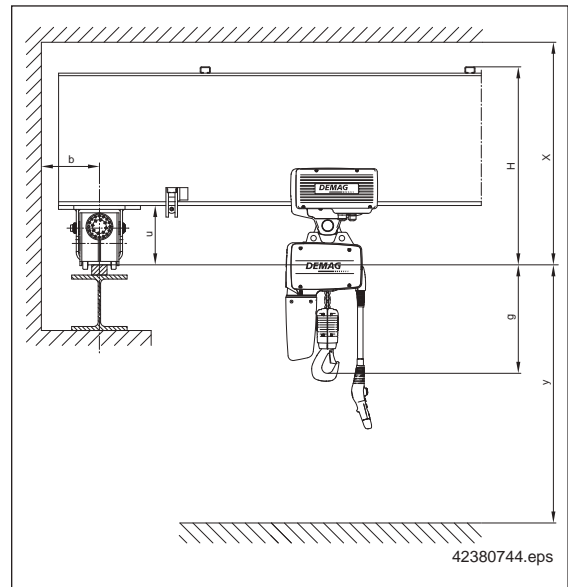
Hook path: up to 11 m; lifting speed: 8/2 m/min
 Cross-travel speed up to 14 m/min

Crane			Crane girder			Monorail hoist						Travel unit						
L_{KR}	max. R	G_G	X	H	u	I_{an1} 1)	I_{an2} 1.2)	I_{an2} 1.3)	g	y 2)	y 3)	$I_{an3,4}$	d	e_{KT}	I_{EKT}	DPZ	b	
4	1277	732	519	469	-180	550	565	595	512	1185	1269	1040	112	1750	2080	70	140	
5	1344	848	540	490					511	1184	1268							
6	1390	930	560	510					510	1183	1267							
7	1451	1097		510					1183	1267								
8	1489	1190		510					1183	1267								
9	1545	1369	581	531					508	1181	1265							
10	1580	1472	660	549					506	1179	1263							
11	1635	1658		599					571	506	1179							1263
12	1691	1853		621					571	506	1179							1263
13	1769	2142		660					610	505	1178							1262
14	1807	2272																
15	1845	2402																

- 1) Increase I_{an1} and I_{an2} by 120 mm on the power supply side of the monorail hoist.
- 2) H5 and H8
- 3) H11

ELKE SWL 3.2 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: EUDC 16-3200 2/1 (EU34)
 FEM 2m



Hook path: up to 11 m; lifting speed: 6/1.5 m/min
 Cross-travel speed up to 14 m/min

Crane			Crane girder			Monorail hoist								Travel unit					
L _{KR}	max. R	G _G	X	H	u	I _{an1} 1)	I _{an2} 1.2)	I _{an2} 1.3)	I _{an2} 1.4)	g	y 2)	y 3)	y 4)	I _{an3,4}	d	e _{KT}	I _{EKT}	DPZ	b
4	1660	817	560	510	-180	550	585	595	615	605	1183	1263	1267	1040	112	1750	2080	70	140
5	1663	910																	
6	1734	1062	581	531															
7	1785	1164																	
8	1829	1267	599	549															
9	1886	1438																	
10	1926	1548	621	571															
11	1984	1736																	
12	2061	2012	660	610															
13	2102	2142																	
14	2194	2485	710	660															
15	2237	2630																	

- 1) Increase I_{an1} and I_{an2} by 120 mm on the power supply side of the monorail hoist.
- 2) H5
- 3) H8
- 4) H11

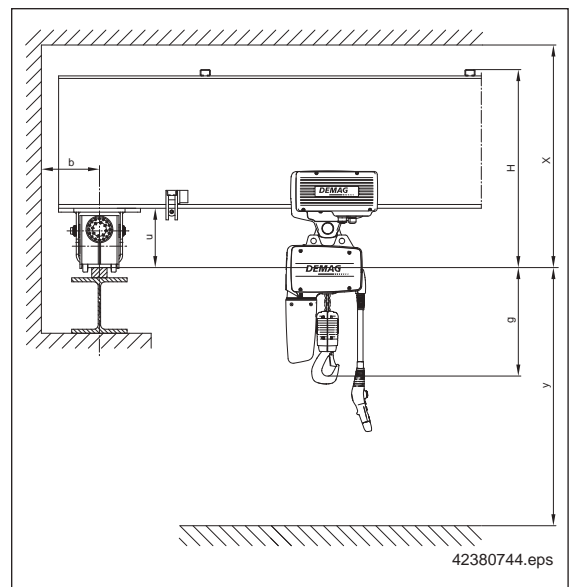
All data in mm (L_{KR} in m).

Weights **max. R** and **G_G** are in kg.

22 All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ELKE SWL 4.0 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L____/____/O
 Monorail hoist: EUDC 25-4000 2/1 (EU56)
 FEM 2m



Hook path: up to 11 m; lifting speed: 8/2 m/min

Cross-travel speed up to 24 m/min

Crane			Crane girder			Monorail hoist						Travel unit						
L _{KR}	max. R	G _e	X	H	u	I _{an1} 1)	I _{an2} 1.2)	I _{an2} 1,3)	I _{an2} 1.4)	g	y 2.3)	y 4)	I _{an3,4}	d	e _{KT}	I _{EKT}	DPZ	b
4	1994	760	519	469	-180	555	585	595	615	651	1274	1278	1040	112	1750	2080	70	140
5	2013	876	540	490						650	1273	1277						
6	2075	958	560	510						649	1272	1276						
7	2147	1125	581	531						647	1270	1274						
8	2212	1295	599	549						645	1268	1272						
9	2273	1466	621	571						644	1267	1271						
10	2333	1647	660	610														
11	2411	1910	710	660						642	1265	1269						
12	2500	2223																
13	2546	2368								640	1263	1267						
14	2590	2513																
15	2691	2886	760	710														

1) Increase I_{an1} and I_{an2} by 120 mm on the power supply side of the monorail hoist.

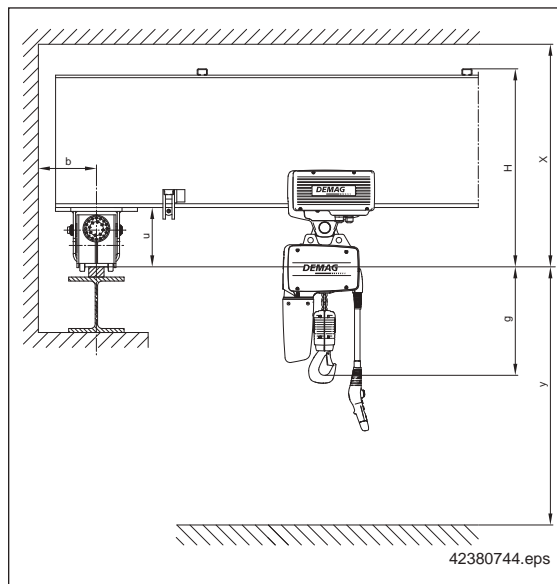
2) H5

3) H8

4) H11

ELKE SWL 5.0 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: EUDC 25-5000 2/1 (EU56)
 FEM 1Am



Hook path: up to 11 m; lifting speed: 4/1 m/min

Cross-travel speed up to 24 m/min

Crane			Crane girder			Monorail hoist							Travel unit																																																													
L_{KR}	max. R	G_G	X	H	u	$I_{an1\ 1)}$	$I_{an2\ 1.2)}$	$I_{an2\ 1,3)}$	$I_{an2\ 1.4)}$	g	y 2.3)	y 4)	$I_{an3,4}$	d	e_{KT}	I_{EKT}	DPZ	b																																																								
4	2445	845	560	510	-180	555	585	595	615	649	1272	1276	1040	112	1750	2080	70	140																																																								
5	2542	938																																																																								
6	2630	1090	581	531															-180	555	585	595	615	649	1272	1276	1040	112	1750	2080	70	140																																										
7	2621	1192																																																																								
8	2691	1356	599	549																													-180	555	585	595	615	649	1272	1276	1040	112	1750	2080	70	140																												
9	2757	1530	621	571																																																																						
10	2837	1780	660	610																																											-180	555	585	595	615	649	1272	1276	1040	112	1750	2080	70	140														
11	2927	2078	710	660																																																																						
12	2976	2223																																																																								
13	3073	2566	760	710																																																									-180	555	585	595	615	649	1272	1276	1040	112	1750	2080	70	140
14	3123	2726																																																																								
15	3213	3054	810	760																																																																						

1) Increase I_{an1} and I_{an2} by 120 mm on the power supply side of the monorail hoist.

- 2) H5
- 3) H8
- 4) H11

All data in mm (L_{kr} in m).

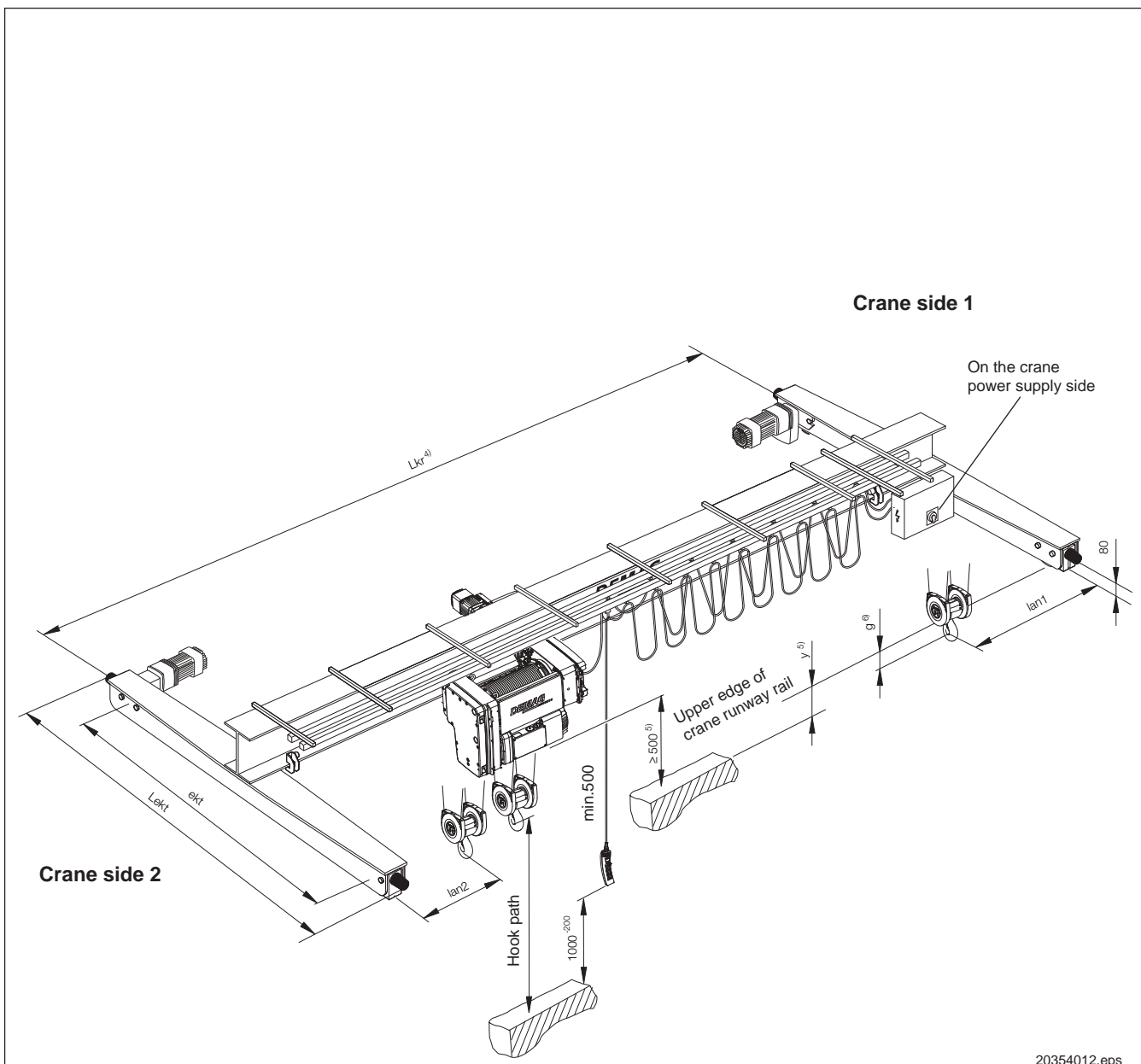
Weights **max. R** and **G_G** are in kg.

24 All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

Demag standard single-girder overhead travelling crane

Type: ELKE

with EKDR rope hoist up to 5 t SWL



1) Check possibilities for installation.

(b_{\min} = min. lateral clearance dimension for crane travel).

2) Crane power supply system on crane runway girder.

4) Permissible span tolerance of crane runway: for $L_{kr} \leq 15$ m: ± 5 mm acc. to DIN 4132.

5) According to the accident prevention regulations BGV D6, a lower safety distance of 500 mm must be kept between moving and non-moving parts of cranes. A load hook with elastic suspension is excluded from that.

6) If an operating limit switch is fitted, hook dimension C or g increases:

2/1 reeving: + 50 mm

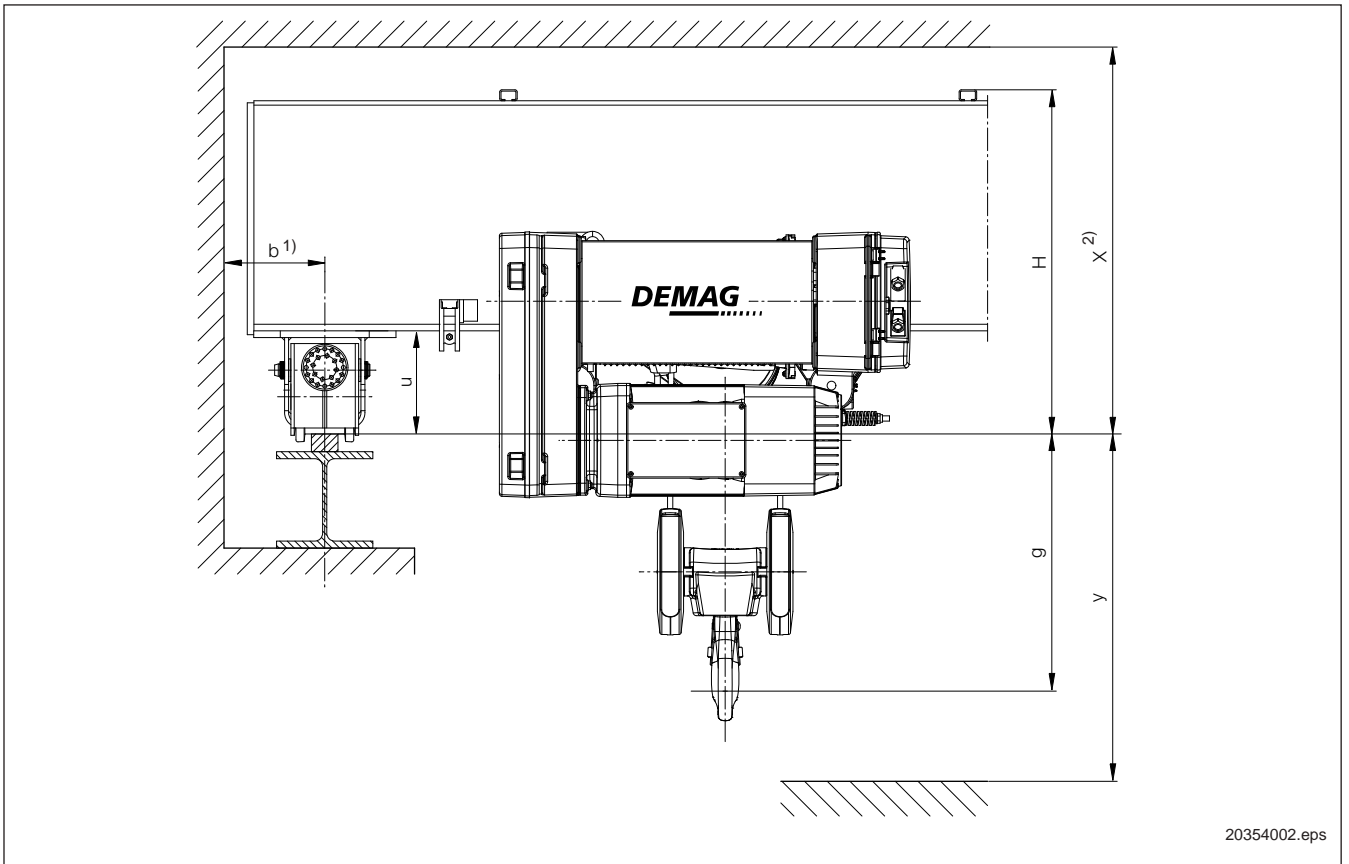
4/1 reeving: + 20 mm

Demag ELKE standard single-girder overhead travelling crane

Crane girder: Profile section girder; design 1

Travel unit: DFW-L-L ___ / ___ / O

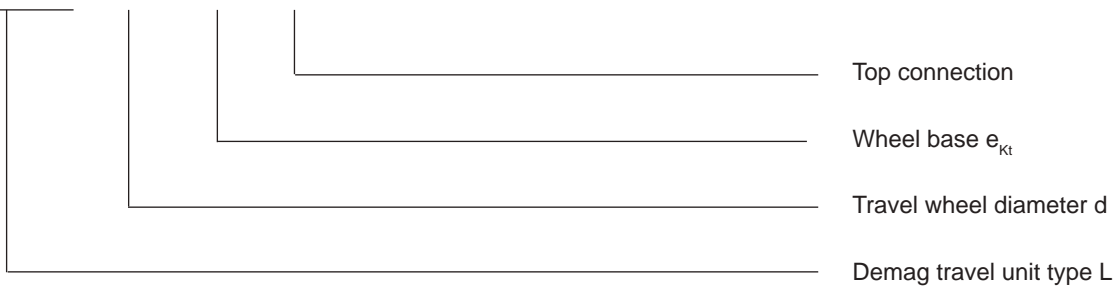
Monorail hoist: 1 x EKDR



20354002.eps

Type designation

DFW-L-L 112 / 1750 / O



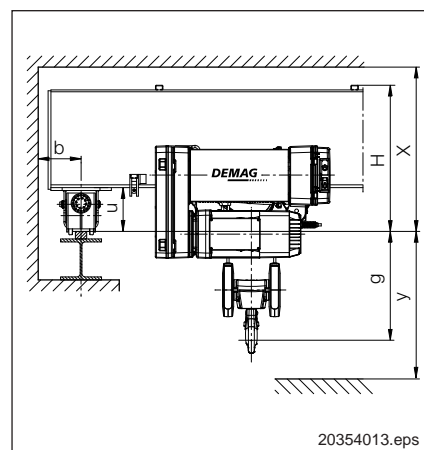
EKDR 3 - 1,6 2/1 FEM 2m - 12 - 12/2



20368444.indd/010508

ELKE SWL 1.6 t

Crane girder: Profile section girder; design 1
 Travel unit: DFW-L-L___/___/O
 Monorail hoist: 1x EKDR 3 - 1.6 2/1 FEM 2m



Hook path: 20 or 12 m; hoist 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			Crane girder			Monorail hoist					Travel unit					
L_{kr}	max. R	G_G	X	H	u	$l_{an1\ 3)}$	$l_{an2\ 1,3)}$	$l_{an2\ 2,3)}$	g	y	$l_{an3,4}$	d	e_{Kt}	l_{EKT}	DPZ	b
4	1086	952	560	510	-180	515	935	710	336	611	1040	112	1750	2080	70	140
5	1127	1046														
6	1162	1140														
7	1195	1234														
8	1225	1326														
9	1255	1421														
10	1283	1513														
11	1311	1606	581	531	334	609										
12	1367	1814														
13	1396	1916														
14	1451	2124														
15	1558	2538	660	610	331	606										

- 1) H 20
- 2) H 12
- 3) Increase l_{an1} or l_{an2} by 150 mm on the crane power supply side.

All data in mm (L_{kr} in m).

Weights **max. R** and G_G are in kg.

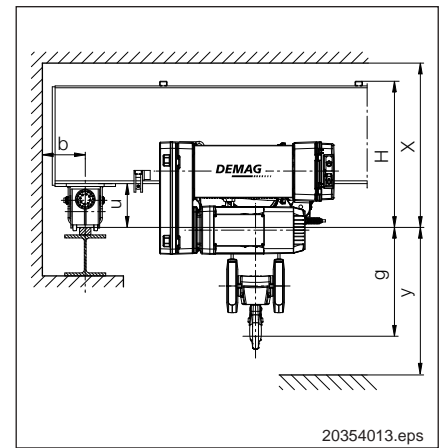
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ELKE SWL 2.5 t

Crane girder: Profile section girder; design 1

Travel unit: DFW-L-L___/___/O

Monorail hoist: 1x EKDR 3 - 2.5 4/1 FEM 3m



Hook path: 10 or 6 m; hoist 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			Crane girder			Monorail hoist					Travel unit					
L_{kr}	max. R	G_e	X	H	u	I_{an1}	I_{an2} 1,3)	I_{an2} 2,3)	g	y	$I_{an3,4}$	d	e_{kt}	I_{EKT}	DPZ	b
4	1475	975	560	510	-180	575	875	650	196	611	1040	112	1750	2080	70	140
5	1530	1068														
6	1575	1162														
7	1631	1322	581	531					194	609						
8	1669	1424														
9	1705	1527														
10	1758	1707	599	549					192	607						
11	1792	1815														
12	1847	2011														
13	1925	2300	660	610					191	606						
14	1963	2431														
15	2000	2561														

1) H 20

2) H 12

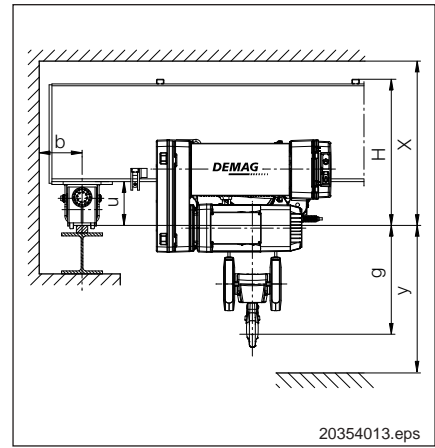
3) Increase I_{an1} or I_{an2} by 150 mm on the crane power supply side.

ELKE SWL 3.2 t

Crane girder: Profile section girder; design 1

Travel unit: DFW-L-L___/___/O

Monorail hoist: 1x EKDR 3 - 3.2 4/1 FEM 2m



Hook path: 10 or 6 m; hoist 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			Crane girder			Monorail hoist					Travel unit					
L_{kr}	max. R	G_e	X	H	u	l_{an1}	l_{an2} 1,3)	l_{an2} 2,3)	g	y	$l_{an3,4}$	d	e_{Kt}	l_{EKT}	DPZ	b
4	1800	1015	581	531	-180	575	875	650	194	609	1040	112	1750	2080	70	140
5	1865	1118														
6	1928	1266	599	549												
7	1975	1376														
8	2017	1486														
9	2073	1661	621	571												
10	2112	1777														
11	2186	2040	660	610												
12	2226	2170														
13	2265	2299														
14	2356	2644														
15	2397	2788	710	660												

- 1) H 20
- 2) H 12
- 3) Increase l_{an1} or l_{an2} by 150 mm on the crane power supply side.

All data in mm (L_{kr} in m).

Weights **max. R** and G_e are in kg.

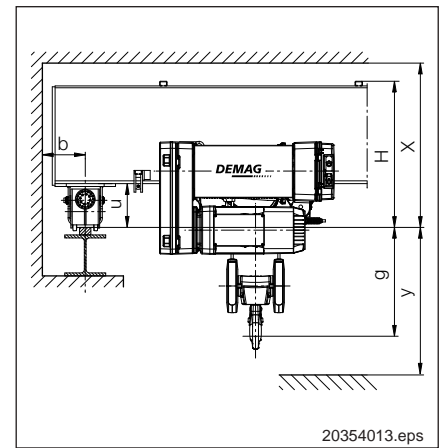
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ELKE SWL 5 t

Crane girder: Profile section girder; design 1

Travel unit: DFW-L-L___/___/O

Monorail hoist: 1x EKDR 5 - 5 4/1 FEM 2m



Hook path: 10 or 6 m; hoist 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			Crane girder			Monorail hoist					Travel unit					
L_{kr}	max. R	G_e	X	H	u	l_{an1}	$l_{an2 1,3}$	$l_{an2 2,3}$	g	y	$l_{an3,4}$	d	e_{Kt}	l_{EKT}	DPZ	b
4	2568	1165	581	531	-180	595	880	645	219	684	1040	112	1750	2080	70	140
5	2653	1268														
6	2729	1417	599	549												
7	2784	1527														
8	2846	1694														
9	2890	1811	621	571					217	682						
10	2965	2061	660	610					216	681						
11	3049	2359	710	660					214	679						
12	3092	2504														
13	3184	2847							760	710						
14	3230	3008	810	760					211	676						
15	3316	3334														

1) H 20

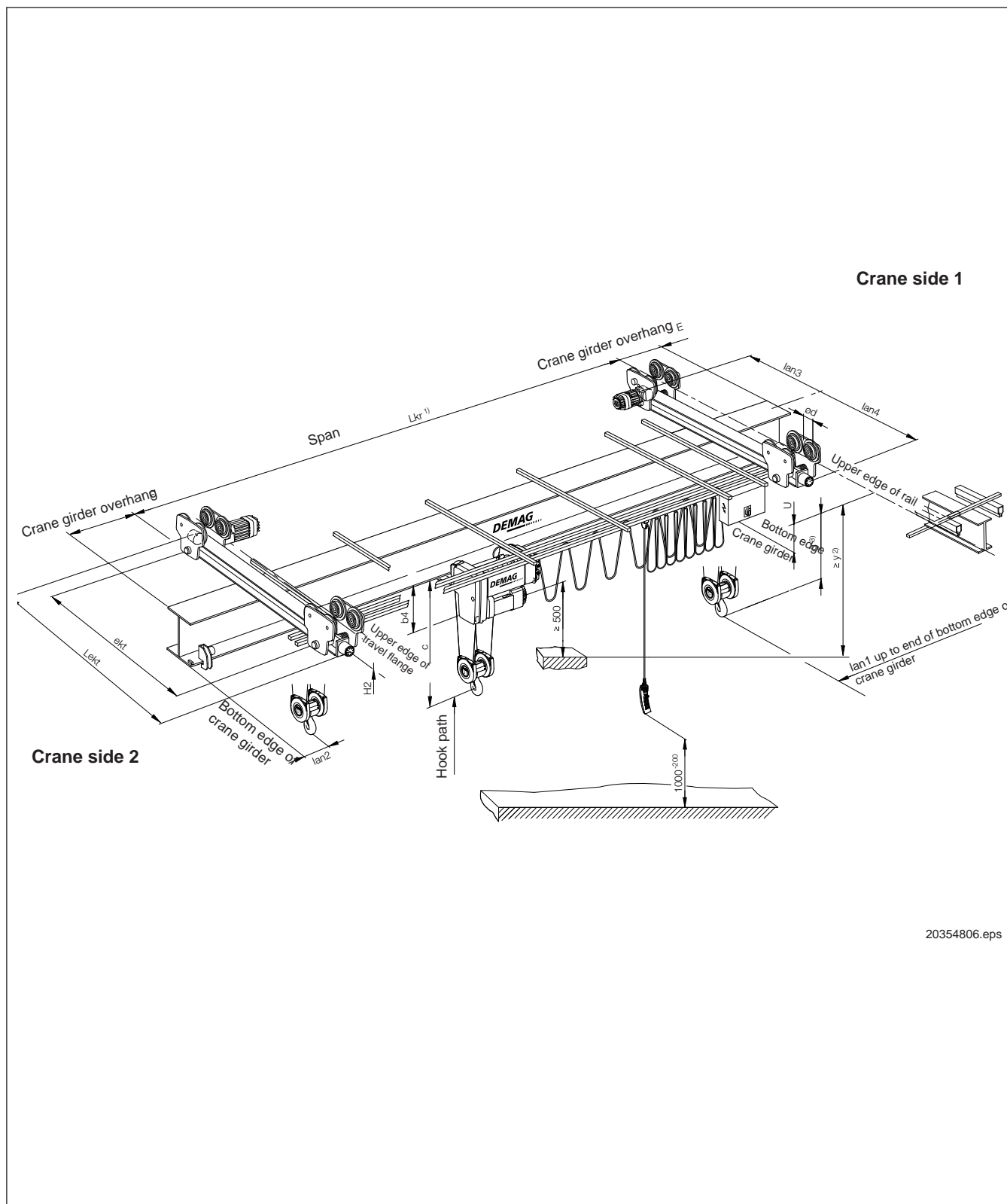
2) H 20

3) Increase $l_{an 1}$ or $l_{an 2}$ by 150 mm on the crane power supply side.

Demag standard single-girder overhead travelling crane

Type: EDKE

with EKDR rope hoist up to 5 t SWL



20354806.eps

1) Admissible span tolerance of the crane runway:

for $L_{kr} \leq 15$ m: ± 5 mm

for $L_{kr} > 15$ m: $\pm (5 + 0,25 (L_{kr} - 15))$ mm

acc. to DIN 4132, with L_{kr} in m.

2) According to the accident prevention regulations BGV D6, a lower safety distance of 500 mm 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.

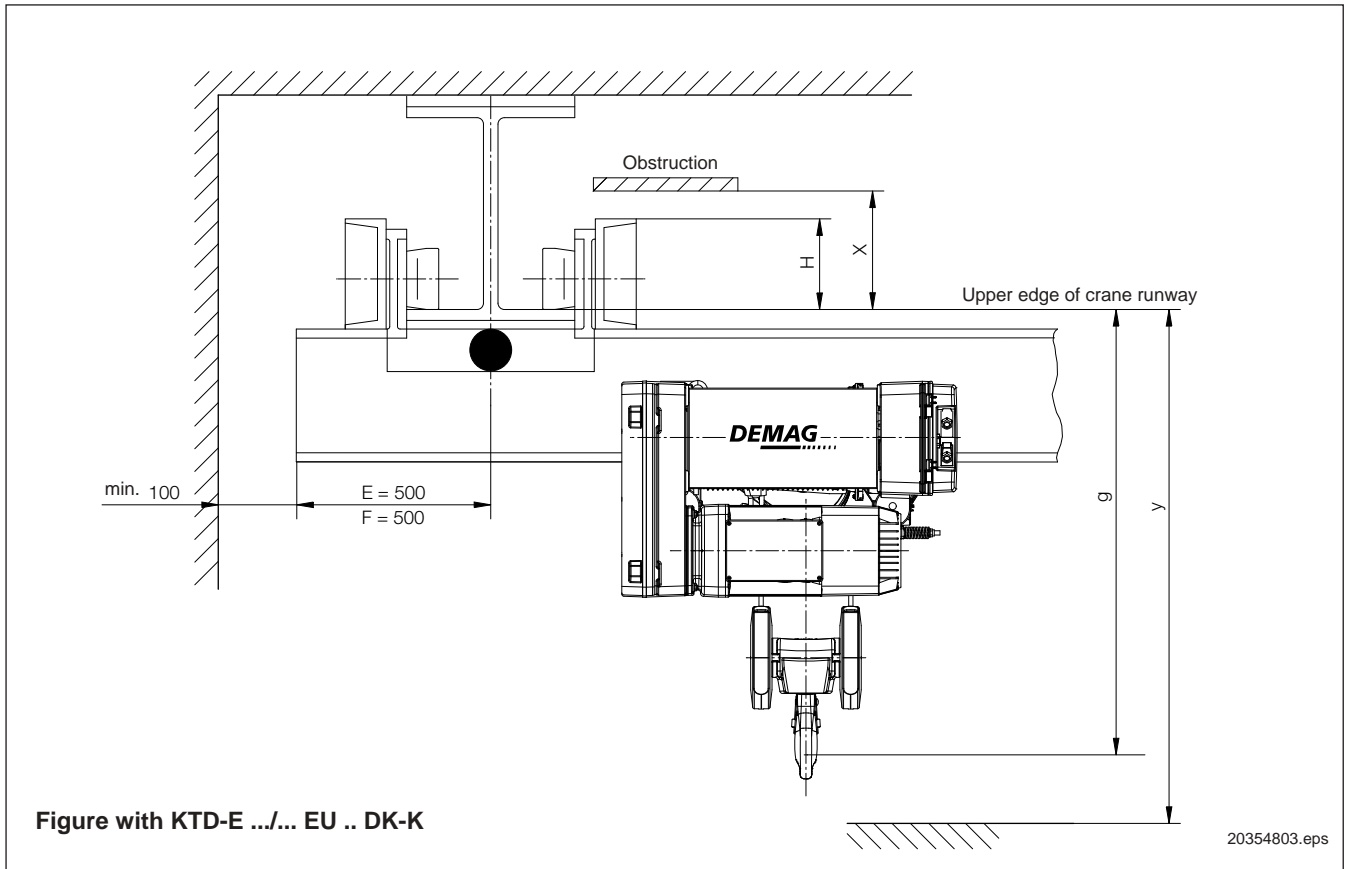
3) If an operating limit switch is fitted, hook dimension C or g increases:

2/1 reeving: + 50 mm

4/1 reeving: + 20 mm

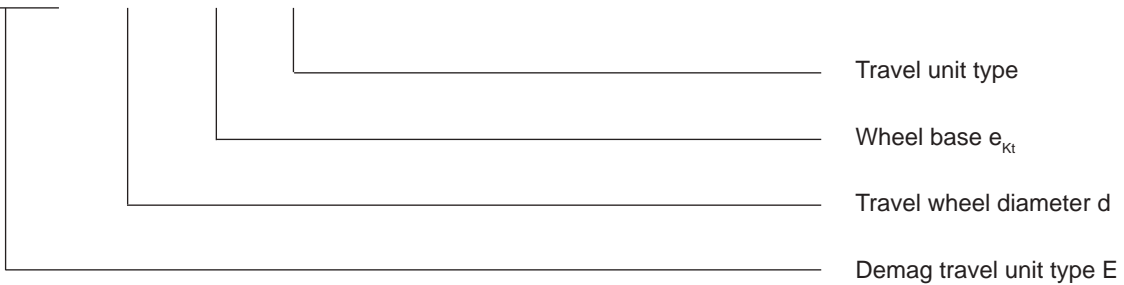
Demag EDKE standard single-girder suspension crane

Crane girder: Profile section girder; design 1
 Travel unit: KTD-E.../...EU...DK and KTD-E.../...EU..DK-K
 Monorail hoist: EKDR

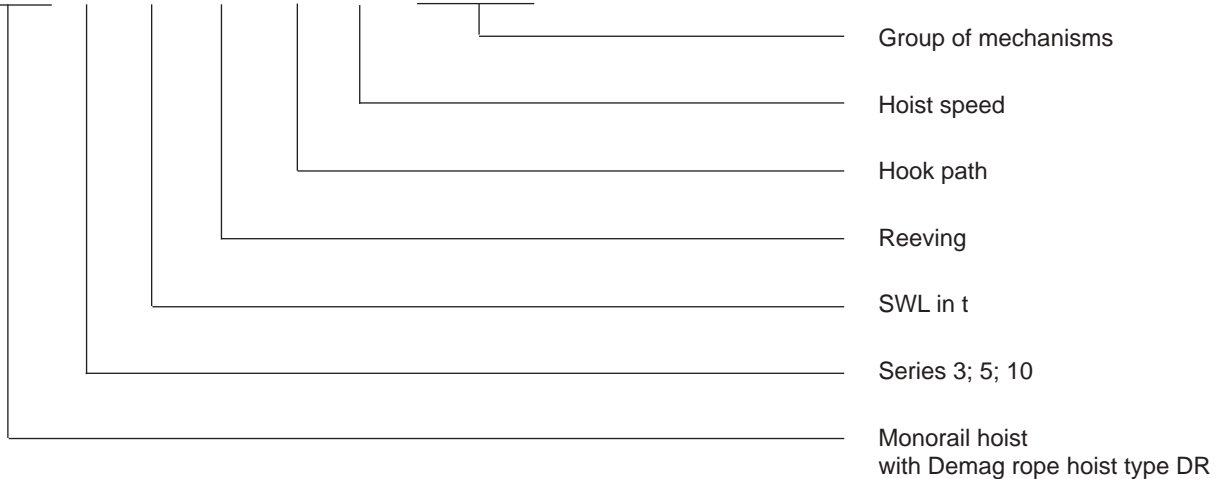


Type designation

KTD-E 80 / 2200 EU 11 DK-K

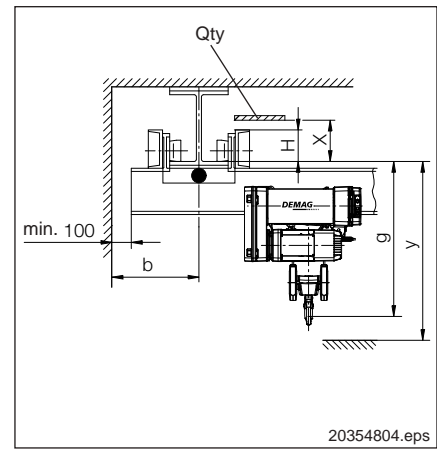


EKDR 3 - 1.6 - 2/1 - 10 - 6/1 - FEM 2m



EDKE

Crane girder: Profile section girder; design 1
 Travel unit: KTD-E.../...EU..DK
 Monorail hoist: 1x EKDR



Hook path: 20 or 12 m; hoist 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

SWL 1.6 t - 1 x EKDR 3-1.6 2/1 FEM 2m

Crane			Crane girder			Monorail hoist				Travel unit								
L _{kr}	max. R	G _G	X	H	u	l _{an 1}	l _{an 2 1)}	g	y	l _{an 3,4}	d	e _{Kt}	L _{ekt}	DPZ	b			
4	2527	1111	160	110	454	380	860/635	968	1243	1030	80	1700	2060	70	600			
5	2550	1214																
6	2582	1316																
7	2619	1419																
8	2660	1521																
9	2734	1684	179	129	460			974	1249	1055	112		2110					
10	2779	1787																
11	2825	1889																
12	2872	1992																
13	2919	2094																
14	3023	2308																
15	3131	2530																
										498	1012		1287	1085			2170	100
										520	1032		1307					

Hook path: 10 or 6 m; hoist 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

SWL 2.5 t - 1 x EKDR 3-2.5 4/1 FEM 3m

Crane			Crane girder			Monorail hoist				Travel unit										
L _{kr}	max. R	G _G	X	H	u	l _{an 1}	l _{an 2 1)}	g	y	l _{an 3,4}	d	e _{Kt}	L _{ekt}	DPZ	b					
4	3483	1193	179	129	480	440	800/575	854	1269	1055	112	1700	2110	70	600					
5	3505	1296																		
6	3537	1398																		
7	3574	1501																		
8	3615	1603																		
9	3658	1706						498	520	872	1287		1085	1307		2170	100			
10	3703	1809																		
11	3809	2030																		
12	3905	2231																		
13	4050	2530																		
14	4112	2660																		
15	4174	2790																		
													559	930		1345				

1) H20 / H12

All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EDKE

Crane girder:

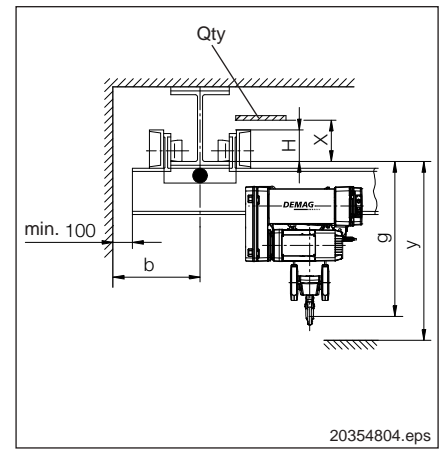
Profile section girder; design 1

Travel unit:

KTD-E.../...EU..DK

Monorail hoist:

1x EKDR



Hook path: 10 or 6 m; hoist 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

SWL 3.2 t - 1 x EKDR 3-3.2 4/1 FEM 2m

Crane			Crane girder			Monorail hoist				Travel unit					
L _{kr}	max. R	G _e	X	H	u	I _{an 1}	I _{an 2 1)}	g	y	I _{an 3,4}	d	e _{Kt}	L _{ekt}	DPZ	b
4	4240	1223	179	129	480	440	800/575	854	1269	1055	112	1700	2110	70	600
5	4254	1326													
6	4280	1428													
7	4313	1531													
8	4351	1633													
9	4392	1736			498			1085	872				1287		
10	4476	1920													
11	4566	2114													
12	4703	2400													
13	4763	2530													
14	4947	2905			579				950	1365					
15	5016	3050													

Hook path: 10 or 6 m; hoist 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

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

Crane			Crane girder			Monorail hoist				Travel unit					
L _{kr}	max. R	G _e	X	H	u	I _{an 1}	I _{an 2 1)}	g	y	I _{an 3,4}	d	e _{Kt}	L _{ekt}	DPZ	b
4	6345	1494	212	162	534	465	805/570	933	1398	1120	125	1700	2240	70	600
5	6347	1597													
6	6391	1751													
7	6423	1861			552			951	1416						
8	6491	2034													
9	6536	2151			574					971			1436		
10	6655	2411													
11	6801	2721			613									1009	
12	6866	2866													
13	7037	3221			663			1057	1522						
14	7117	3391													
15	7280	3727			713					1105			1570		
					763									1154	

1) H20 / H12

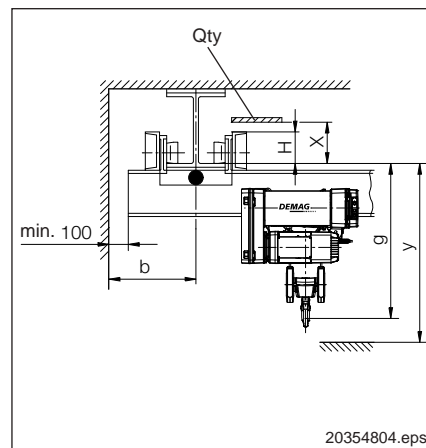
All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EDKE

Crane girder: Profile section girder; design 1
 Travel unit: KTD-E.../...EU..DK-K
 Monorail hoist: 1x EKDR



Hook path: 20 or 12 m; hoist 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

SWL 1.6 t - 1 x EKDR 3-1.6 2/1 FEM 2m

Crane			Crane girder			Monorail hoist				Travel unit					
L_{kr}	max. R	G_G	X	H	u	$I_{an 1}$	$I_{an 2 1)}$	g	y	$I_{an 3, 4}$	d	e_{Kt}	L_{ekt}	DPZ	b
4	2501	1021	160	110	338	380	860/635	852	1127	1270	80	2200	2540	70	600
5	2523	1124													
6	2556	1226													
7	2593	1329													
8	2634	1431													
9	2702	1584													
10	2747	1687													
11	2793	1789													
12	2840	1892													
13	2888	1994													
14	3007	2238			356			870	1145	1300	2600	100			
15	3115	2460			378			890	1165	1300	2600	100			

Hook path: 10 or 6 m; hoist 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

SWL 2.5 t - 1 x EKDR 3-2.5 4/1 FEM 3m

Crane			Crane girder			Monorail hoist				Travel unit											
L_{kr}	max. R	G_G	X	H	u	$I_{an 1}$	$I_{an 2 1)}$	g	y	$I_{an 3, 4}$	d	e_{Kt}	L_{ekt}	DPZ	b						
4	3467	1123	160	110	338	440	800/575	712	1127	1270	80	2200	2540	70	600						
5	3489	1226																			
6	3521	1328																			
7	3558	1431																			
8	3599	1533																			
9	3643	1636														352	726	1141	1300	2600	100
10	3687	1739														370	744	1159	1300	2600	100
11	3778	1930														392	764	1179	1300	2600	100
12	3874	2131														431	802	1217	1300	2600	100
13	4020	2430														431	802	1217	1300	2600	100
14	4081	2560			431			802	1217	1300	2600	100									
15	4144	2690			431			802	1217	1300	2600	100									

1) H20 / H12

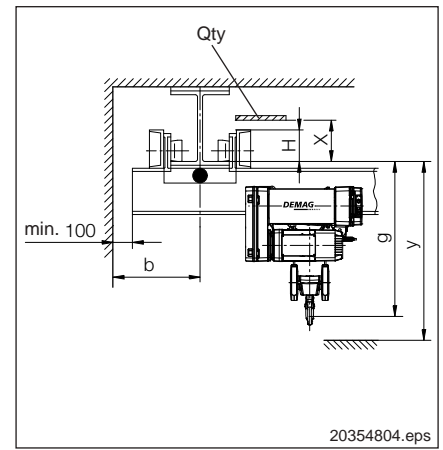
All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EDKE

Crane girder: Profile section girder; design 1
 Travel unit: KTD-E.../...EU..DK-K
 Monorail hoist: 1x EKDR



Hook path: 10 or 6 m; hoist 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

SWL 3.2 t - 1 x EKDR 3-3.2 4/1 FEM 2m

Crane			Crane girder			Monorail hoist				Travel unit					
L _{kr}	max. R	G _e	X	H	u	I _{an 1}	I _{an 2 1)}	g	y	I _{an 3, 4}	d	e _{Kt}	L _{ekt}	DPZ	b
4	4209	1123	190	140	352	440	800/575	726	1141	1270	112	2200	2540	70	600
5	4223	1226													
6	4249	1328													
7	4282	1431													
8	4320	1533			370										
9	4361	1636													
10	4445	1820													
11	4535	2014			392										
12	4687	2330													
13	4747	2460													
14	4921	2815	210	160	481	850	1265	1300	2600	100					
15	4990	2960													

Hook path: 10 or 6 m; hoist 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

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

Crane			Crane girder			Monorail hoist				Travel unit							
L _{kr}	max. R	G _e	X	H	u	I _{an 1}	I _{an 2 1)}	g	y	I _{an 3, 4}	d	e _{Kt}	L _{ekt}	DPZ	b		
4	6414	1538	210	160	352	465	805/570	751	1216	1270	112	2200	2540	70	600		
5	6416	1641															
6	6460	1795			370												
7	6492	1905															
8	6560	2078	215	165	386			821	1286	869	1334	1525	125	2500		3050	100
9	6605	2195															
10	6724	2455															
11	6870	2765			425												
12	6935	2910															
13	7106	3265															
14	7181	3425	235	185	525	917	1382	966	1431								
15	7344	3761															

1) H20 / H12

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All data in mm (L_{kr} in m).

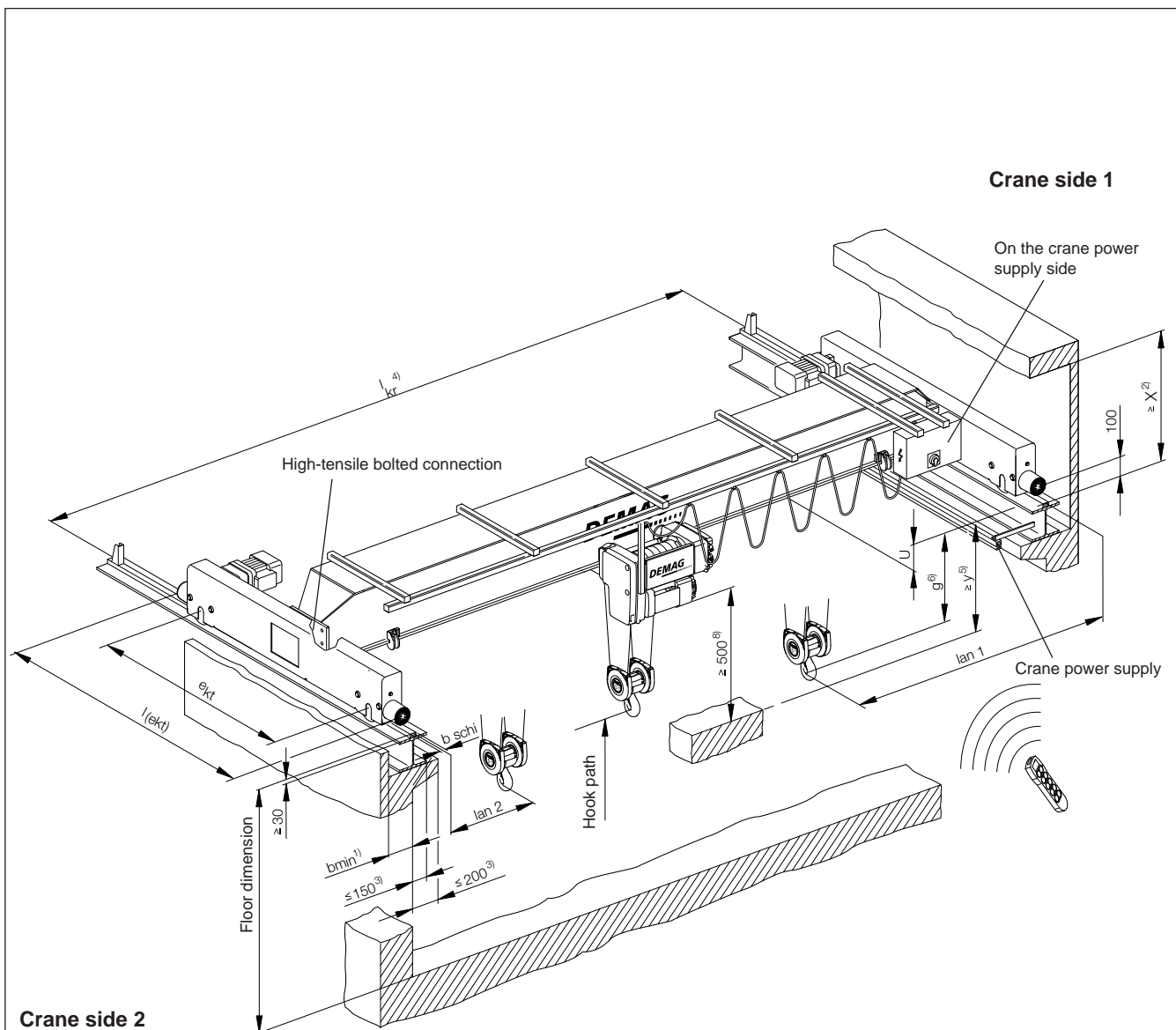
Weights **max. R** and **G_e** are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

Demag standard single-girder overhead travelling crane

Type: EKKE

with box girder and EKDR rope hoist up to 10 t SWL



20352821.eps

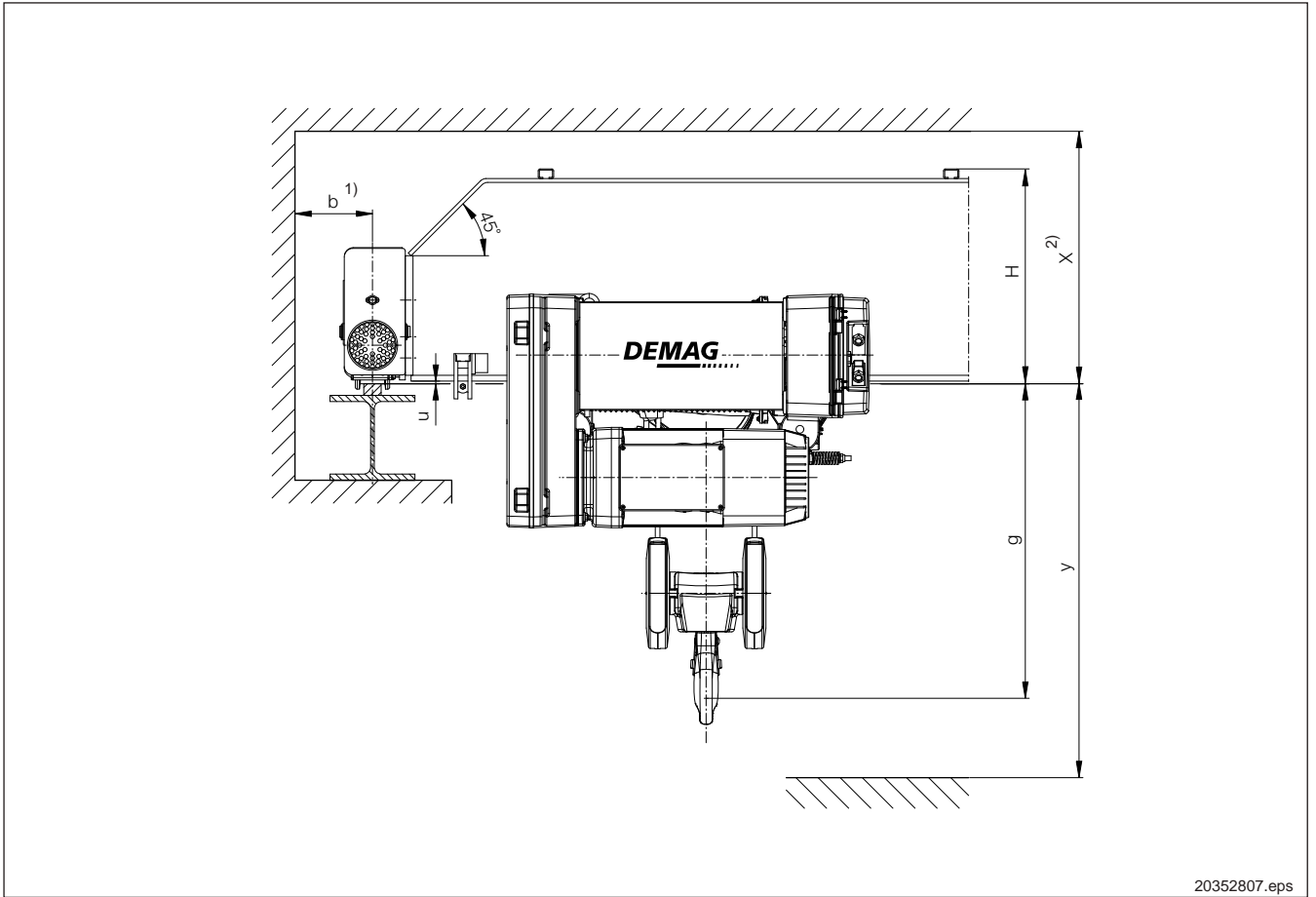
- 1) Check possibilities for installation.
(b_{min} = min. lateral clearance dimension for crane travel).
- 2) Crane power supply system on crane runway girder.
- 3) Dimension > 150 or 200 or 320 changes dimensions $lan1$ and $lan2$.
- 4) Admissible span tolerance of the crane runway:
for $L_{kr} \leq 15$ m: ± 5 mm acc. to DIN 4132.
- 5) According to the accident prevention regulations BGV D6, a lower safety distance of 500 mm 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

Demag EKKE standard single-girder overhead travelling crane

Crane girder: Box girder section; design 1

Travel unit: DFW-L-E ___ / ___ /S

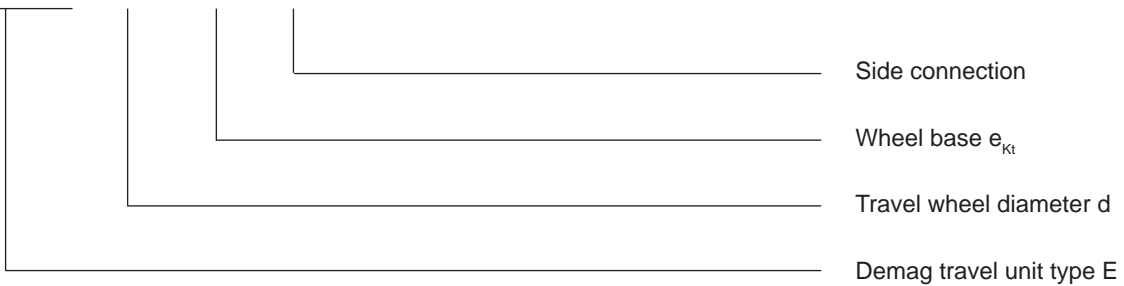
Monorail hoist: 1 x EKDR



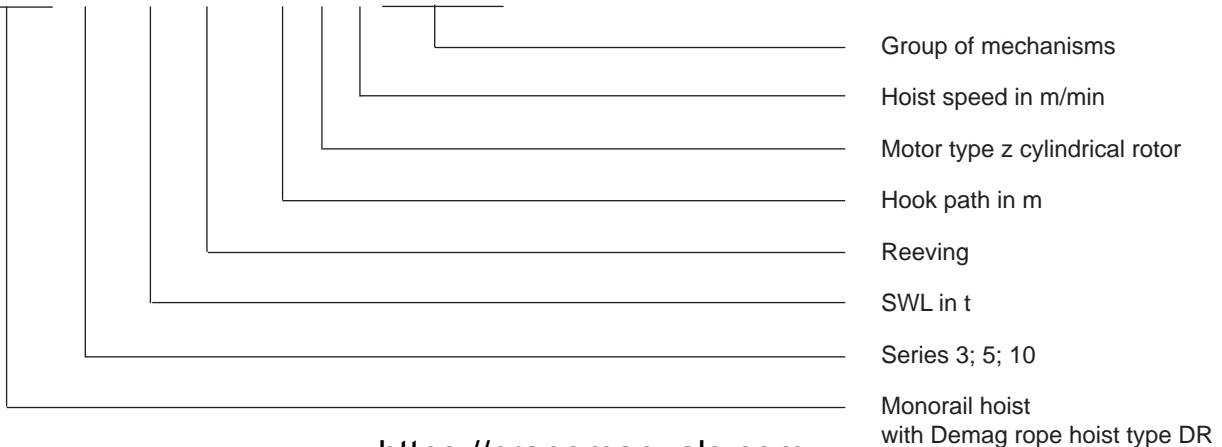
20352807.eps

Type designation

DFW-L-E 112 / 2000 / S



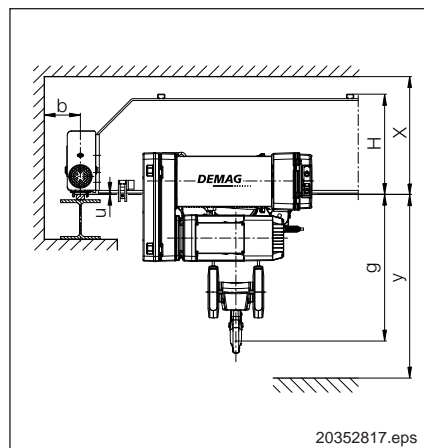
EKDR 3 - 1.6 2/1 - 20 Z-25 FEM 2m



20368444.indd010508

EKKE SWL 1.6 t

Crane girder: Box girder section; design 1
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 1x EKDR 3 - 1.6 2/1-20 Z-25 FEM 2m



20352817.eps

Hook path: 20 or 12 m; hoist 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			Crane girder			Monorail hoist					Travel unit																			
L _{Kr}	max. R	G _G	X	H	u	I _{an1} 1)		I _{an2} 1)		g	y	I _{an3,4} 2)	d	e _{Kt}	I _{ekt} 2)			b												
						H12/H20	H12	H20	V _{KR} = 40						V _{KR} = 40	V _{KR} = 40	V _{KR} = 60													
4	1031	952	520	470	-12	565	755	980	508	783	1208	112	2000	2416	100	140														
5	1076	1060																												
6	1111	1152																												
7	1142	1242																												
8	1171	1334																												
9	1199	1426																												
10	1225	1514																												
11	1251	1606																												
12	1277	1698																												
13	1302	1788																												
14	1351	1978																												
15	1377	2074																												
16	1442	2328															522	472	-7	565	755	980	508	783	1208	112	2000	2416	100	140
17	1491	2518															620	570												
18	1518	2624	622	572																										
19	1569	2822	622	572																										
20	1687	3290	740	690	-27	565	755	980	508	783	1208	112	2000	2416	100	140														
21	1717	3406	740	690																										
22	1747	3524	744	694																										
23	1831	3858	840	790																										
24	1941	4294	840	790																										
25	2127	5038	844	794																										
26	2265	5586	844	794																										
27	2340	5884	840	790																										
28	2453	6334	940	890																										
29	2497	6508	940	890																										
30	2609	6954	942	892																										

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

2) I_{an3,4} and L_{ekt} may increase with 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

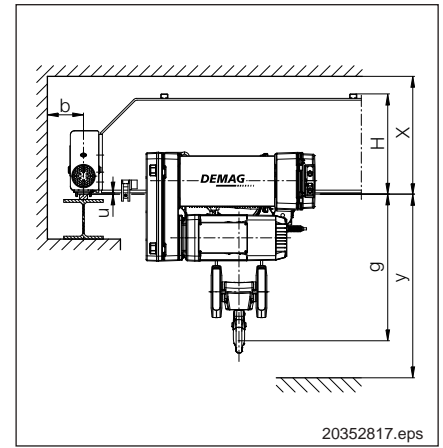
All data in mm (L_{Kr} in m).

Weights max. R and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 2.5 t

Crane girder: Box girder section; 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; hoist 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			Crane girder			Monorail hoist					Travel unit							
L _{kr}	max. R	G _e	X	H	u	I _{an1} 1)		g	y	I _{an3,4} 2)	d	e _{K1}	DPZ			b		
						H12/H20	H12						H20	V _{KR} = 40	V _{KR} = 40		V _{KR} = 60	
4	1419	992	520	470	-10	625	695	920	368	783	112	2000	2416	100	140			
5	1475	1084																
6	1520	1174																
7	1571	1314																
8	1607	1412																
9	1641	1510																
10	1673	1608																
11	1703	1706																
12	1733	1804																
13	1762	1902			-7													
14	1824	2136																
15	1854	2244																
16	1904	2432																
17	1953	2620																
18	2005	2818																
19	2036	2934																
20	2156	3406	622	572	-27													
21	2212	3624																
22	2248	3764																
23	2308	3998																
24	2436	4504																
25	2636	5300																
26	2776	5856																
27	2859	6182																
28	2969	6618																
29	3090	7098																
30	3137	7284																
20	2156	3406	742	692	-27				625	695	920	348	763	125	3150	3586	100	150
21	2212	3624																
22	2248	3764																
23	2308	3998																
24	2436	4504																
25	2636	5300																
26	2776	5856																
27	2859	6182																
28	2969	6618																
29	3090	7098																
30	3137	7284																
20	2156	3406	842	792	-27	625	695	920	423	763	200	4000	4548	100	175			
21	2212	3624																
22	2248	3764																
23	2308	3998																
24	2436	4504																
25	2636	5300																
26	2776	5856																
27	2859	6182																
28	2969	6618																
29	3090	7098																
30	3137	7284																

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

2) I_{an3,4} and L_{ekt} may increase with 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		

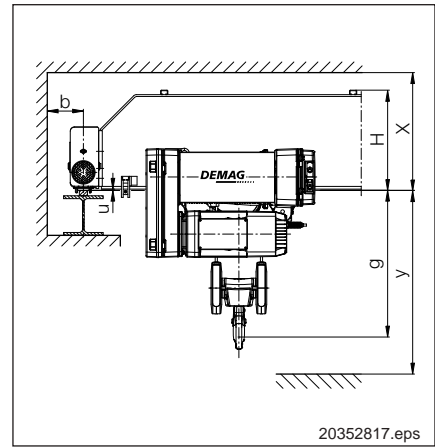
All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 2.5 t

Crane girder: Box girder section; design 1
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 1x EKDR 5 - 2.5 2/1-20 Z-25 FEM 2m



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Hook path: 20 or 12 m; hoist speed: 12/2 m/min; 18/3 m/min or 2 - 25 m/min infinitely variable;
 cross travel speed 1.5 - 30 m/min infinitely variable

Crane			Crane girder			Monorail hoist					Travel unit							
L _{kr}	max. R	G _G	X	H	u	I _{an1} 1)		g	y	I _{an3,4} 2)		d	e _{kt}	I _{ekt} 2)		DPZ		b
						H12/H20	H12			H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 40	V _{KR} = 60		
4	1522	1146	520	470	-7	565	775	1010	518	858	1208	112	2000	2416	100	140		
5	1574	1246																
6	1616	1344																
7	1653	1440																
8	1687	1540																
9	1719	1636																
10	1750	1736	622	572	-2	565	775	1010	518	858	1208	112	2000	2416	100	140		
11	1805	1936																
12	1856	2126																
13	1889	2242																
14	1954	2492																
15	1988	2616																
16	2041	2820	722	672	-22	565	775	1010	518	858	1208	112	2000	2416	100	140		
17	2074	2944																
18	2150	3240																
19	2185	3374																
20	2285	3768																
21	2319	3900															842	792
22	2408	4252																
23	2535	4756																
24	2575	4912																
25	2767	5676																
26	2935	6344	942	892	-22	565	775	1010	518	858	1208	112	2000	2416	100	140		
27	3098	6988																
28	3148	7186																
29	3272	7680																
30	3498	8582																

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

2) I_{an3,4} and L_{ekt} may increase with 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		

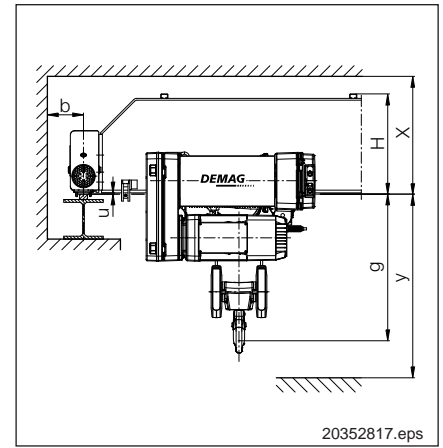
All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 3.2 t

Crane girder: Box girder section; design 1
 Travel unit: DFW-L-E___/___/S
 Monorail hoist: 1x EKDR 3 - 3.2 4/1-10 Z-12.5 FEM 2m



Hook path: 10 or 6 m; hoist 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			Crane girder			Monorail hoist					Travel unit								
L _{kr}	max. R	G _e	X	H	u	I _{an1} 1)		I _{an2} 1)		g	y	I _{an3,4} 2)	d	e _{Kt}	I _{ekt} 2)		DPZ		b
						H12/H20	H12	H20	V _{KR} = 40			V _{KR} = 40			V _{KR} = 40	V _{KR} = 60			
4	1737	1020	520	470	-7	625	695	920	368	783	1208	112	2000	2416	100	140			
5	1802	1116																	
6	1854	1214																	
7	1898	1312																	
8	1938	1412																	
9	1973	1508																	
10	2007	1608	622	572	-2	625	695	920	368	783	1458	2500	2916	100	150				
11	2084	1886																	
12	2119	2000																	
13	2168	2174																	
14	2220	2364																	
15	2255	2488																	
16	2309	2692	842	792	-22	625	695	920	348	763	1793	125	3150	3586	160	175			
17	2363	2896																	
18	2420	3112																	
19	2456	3246																	
20	2580	3734																	
21	2643	3978																	
22	2681	4124	1042	992	-22	625	695	920	423	763	2274	200	4000	4548	160	175			
23	2808	4626																	
24	2849	4784																	
25	3102	5788																	
26	3196	6160																	
27	3372	6856																	
28	3488	7318																	
29	3548	7552																	
30	3598	7750																	

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

2) I_{an3,4} and L_{ekt} may increase with 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		

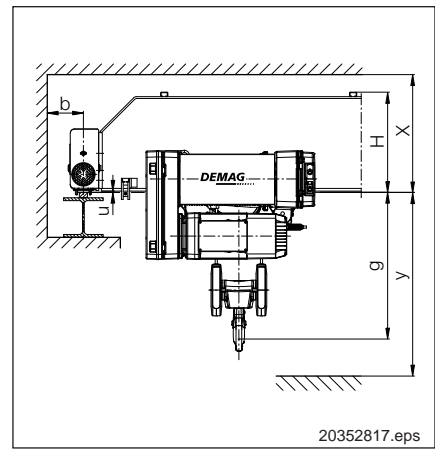
All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 5 t

Crane girder: Box girder section; 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; hoist 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			Crane girder			Monorail hoist				Travel unit						
L _{Kr}	max. R	G _G	X	H	u	I _{an1} 1)		g	y	I _{an3,4} 2)		d	e _{Kt}	I _{ekt} 2)		b
						H12/H20	H12			H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 40	
4	2578	1170	520	470	-7	645	695	930	393	858	1208	112	2000	2416	100	140
5	2671	1270														
6	2740	1366														
7	2797	1464														
8	2846	1562														
9	2889	1660														
10	2952	1850	524	474	-2	645	695	930	393	858	1208	112	2000	2416	100	140
11	2993	1964	620	570												
12	3044	2126	622	572												
13	3096	2302	720	670												
14	3133	2420														
15	3204	2676	724	674												
16	3289	2994	722	672												
17	3378	3330	727	677												
18	3410	3440	822	772												
19	3450	3584														
20	3613	4222	847	797	-22	645	695	930	373	838	1793	125	3150	3586	130	150
21	3643	4330	942	892												
22	3771	4830														
23	3816	5000														
24	3860	5166														
25	4116	6180	1042	992												
26	4345	7084														
27	4397	7284														
28	4517	7756			1044	994	-22	645	695	930	448	838	2274	200	4000	4548
29	4580	8002	1142	1092												
30	4809	8912	1147	1097												

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

2) I_{an3,4} and L_{ekt} may increase with 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

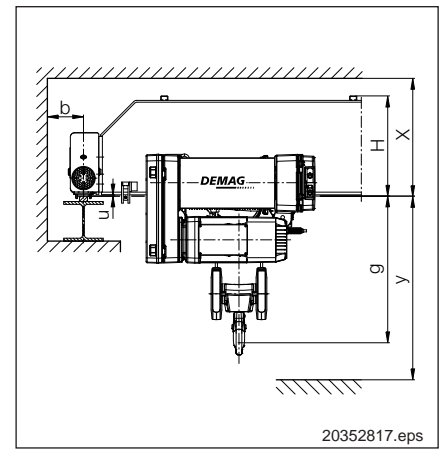
All data in mm (L_{Kr} in m).

Weights max. R and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 5 t

Crane girder: **Box girder section; 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; hoist 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			Crane girder			Monorail hoist					Travel unit																				
L _{kr}	max. R	G _e	X	H	u	I _{an1} 1)		I _{an2} 1)		g	y	I _{an3,4} 2)		d	e _{kt}	I _{ekt} 2)		DPZ		b											
						H12/H20	H12	H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 40			V _{KR} = 60															
4	2760	1342	520	470	-7	580	865	1125	628	884	1208	112	2000	112	2000	2416	100	100	140												
5	2833	1440																													
6	2890	1536																													
7	2966	1748	522	472	-2															722	672	608	864	1458	125	2500	2936	130	100	130	150
8	3012	1864																													
9	3054	1976																													
10	3094	2092																													
11	3158	2314	722	672	-22															842	792	608	864	1793	125	3150	3586	160	100	130	150
12	3196	2436																													
13	3234	2562																													
14	3303	2818																													
15	3341	2952																													
16	3399	3166	1044	994	-22															942	892	608	864	2274	200	4000	4588	130	100	130	175
17	3486	3500																													
18	3549	3740																													
19	3588	3884																													
20	3718	4394																													
21	3747	4502																													
22	3874	5000																													
23	3918	5170																													
24	4009	5526	1142	1092	-22															1142	1092	708	864	2294	200	4000	4588	130	100	130	175
25	4266	6548																													
26	4447	7258																													
27	4498	7458																													
28	4715	8322	1152	1102	-22															1152	1102	708	864	2294	200	4000	4588	130	100	130	175
29	4680	8174																													
30	5084	9788	1152	1102	-22															1152	1102	708	864	2294	200	4000	4588	130	100	130	175
30	5084	9788																													

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

2) I_{an3,4} and L_{ekt} may increase with 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

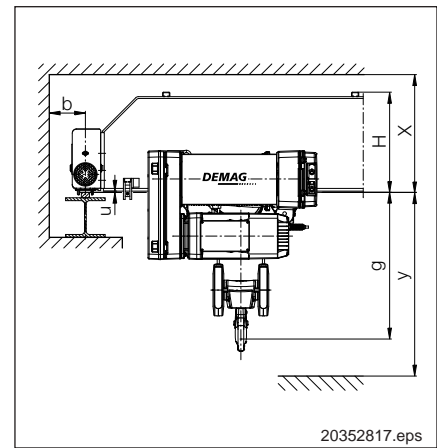
All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 5 t

Crane girder: Box girder section; 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; hoist 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			Crane girder			Monorail hoist					Travel unit							
L _{kr}	max. R	G _G	X	H	u	I _{an1} 1)		g	y	I _{an3,4} 2)		d	e _{kt}	I _{ekt} 2)		DPZ		b
						H12/H20	H12			H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 40	V _{KR} = 60		
4	2406	1340	520	470	-7	730	715	845	543	884	1208	112	2000	2416	100	140		
5	2550	1438																
6	2654	1536																
7	2736	1636																
8	2803	1734																
9	2860	1830																
10	2935	2022															524	474
11	2985	2136															620	570
12	3043	2296															622	572
13	3103	2474	720	670	-2	730	715	845	543	884	1208	112	2000	2416	100	140		
14	3145	2590																
15	3203	2776	722	672	-22	730	715	845	523	864	1793	125	3150	3586	100	150		
16	3310	3166																
17	3402	3498	727	677	-2	730	715	845	523	864	1793	125	3150	3586	100	150		
18	3438	3610																
19	3481	3754	822	772	-22	730	715	845	623	864	2274	200	4000	4548	130	175		
20	3647	4394																
21	3680	4502	942	892	-22	730	715	845	623	864	1793	125	3150	3586	100	150		
22	3810	5002																
23	3857	5170	1042	992	-22	730	715	845	623	864	2274	200	4000	4548	130	175		
24	3950	5526																
25	4209	6546	1044	994	-22	730	715	845	623	864	2294	200	4000	4548	130	175		
26	4392	7258																
27	4445	7456	1042	992	-22	730	715	845	623	864	2294	200	4000	4548	130	175		
28	4665	8322																
29	4631	8174	1142	1092	-22	730	715	845	623	864	2294	200	4000	4548	130	175		
30	5037	9788																

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

2) I_{an3,4} and L_{ekt} may increase with 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

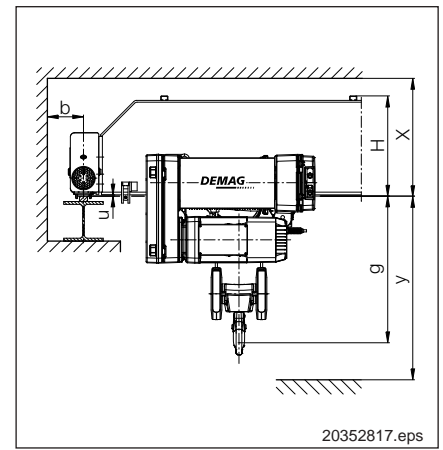
All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 6.3 t

Crane girder: Box girder section; 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; hoist 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			Crane girder			Monorail hoist					Travel unit						
L _{Kr}	max. R	G _e	X	H	u	I _{an1} 1)		I _{an2} 1)		g	y	I _{an3,4} 2)	d	e _{Kt}	DPZ		b
						H12/H20	H12	H20	V _{KR} = 40			V _{KR} = 40			V _{KR} = 60		
4	3200	1384	520	470	-7	700	745	1005	708	864	1208	112	2000	2416	100	140	
5	3320	1484															
6	3432	1678	522	472	-2												
7	3533	1902	542	492	-22												
8	3596	2018															
9	3651	2132	642	592													
10	3725	2344															
11	3773	2468	742	692													
12	3847	2704															
13	3893	2840	842	792													
14	3937	2974															
15	4015	3252	844	794													
16	4084	3496															
17	4148	3722	847	797													
18	4222	3994															
19	4257	4112	942	892													
20	4356	4488															
21	4451	4850	1044	994													
22	4557	5258															
23	4606	5438	1042	992													
24	4653	5614															
25	5027	7090	1144	1094													
26	5143	7544															
27	5267	8028	1147	1097													
28	5327	8258															
29	5488	8894	1152	1102													
30	5724	9830															

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

2) I_{an3,4} and L_{ekt} may increase with 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		
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

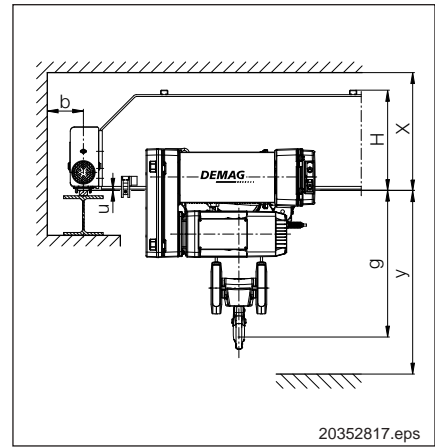
All data in mm (L_{Kr} in m).

Weights max. R and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 8 t

Crane girder: Box girder section; design 1
 Travel unit: DFW-L-E ___ / ___ /S
 Monorail hoist: 1x EKDR 10 - 8 4/1-10 Z-12.5 FEM 3m



Hook path: 10 or 6 m; hoist 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			Crane girder			Monorail hoist					Travel unit																	
L _{kr}	max. R	G _e	X	H	u	I _{an1} 1)		I _{an2} 1)		g	y	I _{an3,4} 2)		d	e _{KT}	I _{ekt} 2)		DPZ		b								
						H12/H20	H12	H20	V _{KR} = 40			V _{KR} = 40	V _{KR} = 40			V _{KR} = 60												
4	4011	1560	542	492	-22	675	770	1030	483	864	1218	125	2000	2436	100	100	100	150										
5	4151	1674																										
6	4254	1788																										
7	4336	1902																										
8	4404	2016																										
9	4485	2216	642	592																								
10	4542	2344	742	692																								
11	4549	2520																										
12	4669	2704																										
13	4732	2898																	744	694								
14	4797	3110			842	792																						
15	4843	3252	837	787	-12	675	770	1030	493	874	160	3150	3642	100	130	160	175											
16	4985	3782	934	884																								
17	5044	3984	1032	982																								
18	5090	4140																										
19	5188	4506																932	882									
20	5329	5048																1034	984									
21	5379	5224																1037	987									
22	5471	5574	1042	992														-22	608	864	2274	200	4000	4548	130	160	160	175
23	5590	6032	1047	997																								
24	5760	6696	1144	1094																								
25	6009	7674	1147	1097																								
26	6047	7810	1152	1102																								
27	6199	8406			1152	1102																						
28	6427	9306			1157	1107																						
29	6610	10026																										
30	6856	11000																										

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

2) I_{an3,4} and L_{ekt} may increase with 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

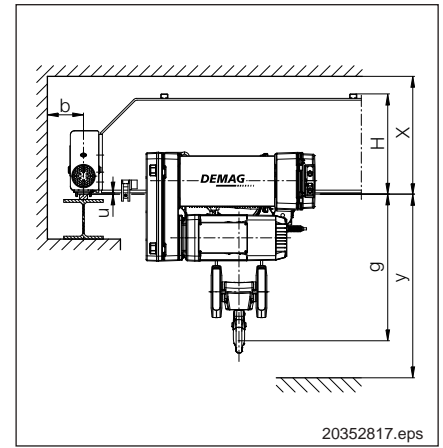
All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EKKE SWL 10 t

Crane girder: **Box girder section; design 1**
 Travel unit: **DFW-L-E ___ / ___ /S**
 Monorail hoist: **1x EKDR 10 - 10 4/1-10 Z-12.5 FEM 2m**



Hook path: 10 or 6 m; hoist speed: 5/0.8 m/min; 1 - 8 m/min or 1 - 12.5 m/min infinitely variable;
 cross travel speed 1.5 - 30 m/min infinitely variable

Crane			Crane girder			Monorail hoist					Travel unit																											
L _{Kr}	max. R	G _e	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	V _{KR} = 60																						
4	4888	1560	542	492	-22					483	864	1218	125		2436			150																				
5	5072	1752	532	482	-12	675	770	1030	493	874	160	1246	2000	2492	100			175																				
6	5191	1864																																				
7	5302	2048																																				
8	5382	2174	632	582																																		
9	5471	2380	732	682																																		
10	5535	2514	832	782																																		
11	5620	2756	834	784																																		
12	5690	2954	837	787																																		
13	5783	3254	937	887																																		
14	5838	3416	934	884																																		
15	5917	3678	1034	984																																		
16	6039	4122	1037	987																																		
17	6094	4300	1034	984																																		
18	6199	4686	1037	987																																		
19	6300	5058	1147	1097																																		
20	6402	5438	1152	1102																																		
21	6457	5632	1302	1252																																		
22	6578	6090			-7																																	
23	6761	6798	1034	984																																		
24	6907	7360	1037	987																																		
25	7151	8320	1147	1097																																		
26	7220	8578	1152	1102																																		
27	7444	9458	1302	1252																																		
28	7518	9742																							-17													
29	7755	10674	1034	984																																		
30	7831	10966	1037	987																																		
			1147	1097																																		
			1152	1102																																		
			1302	1252																																		

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

2) I_{an3,4} and L_{ekt} may increase with 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 data in mm (L_{Kr} in m).

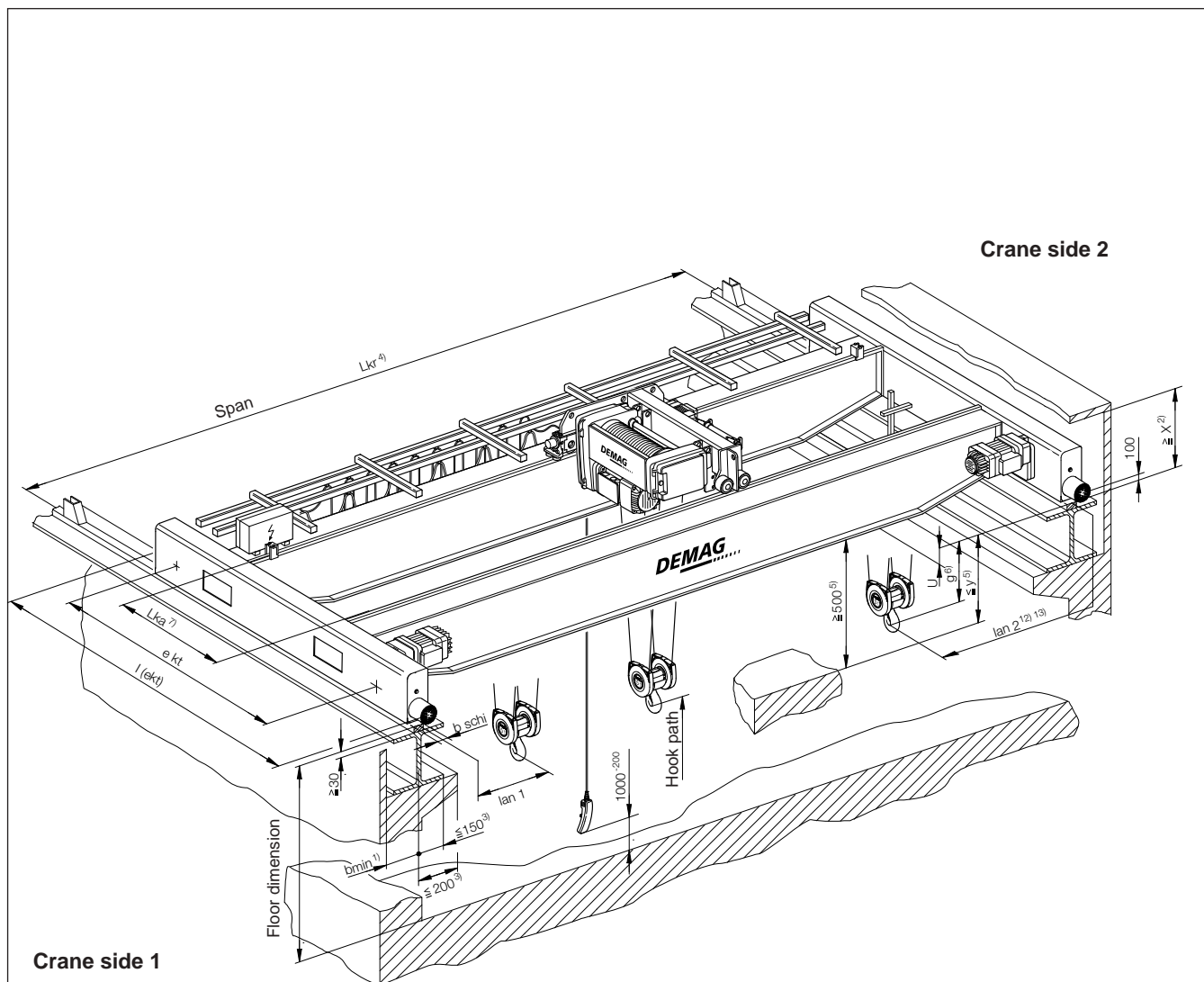
Weights **max. R** and **G_e** are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

Demag standard double-girder overhead travelling crane

Type: ZKKE

with box girder and EZDR rope hoist up to 16 t SWL



20356016.eps

- 1) Check possibilities for installation. (b_{min} = min. lateral clearance dimension for crane travel).
- 2) Crane power supply system on crane runway girder.
- 3) Dimension > 150 or 200 modification of lan1 and lan2.
- 4) Permissible span tolerance of crane runway:

for $L_{kr} \leq 15$ m:	± 5 mm
for $L_{kr} > 15$ m:	$\pm (5 + 0,25 (L_{kr} - 15))$ mm

 acc. to DIN 4132, with L_{kr} in [m].
- 5) According to the accident prevention regulations BGV D6, a lower safety distance of 500 mm 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:

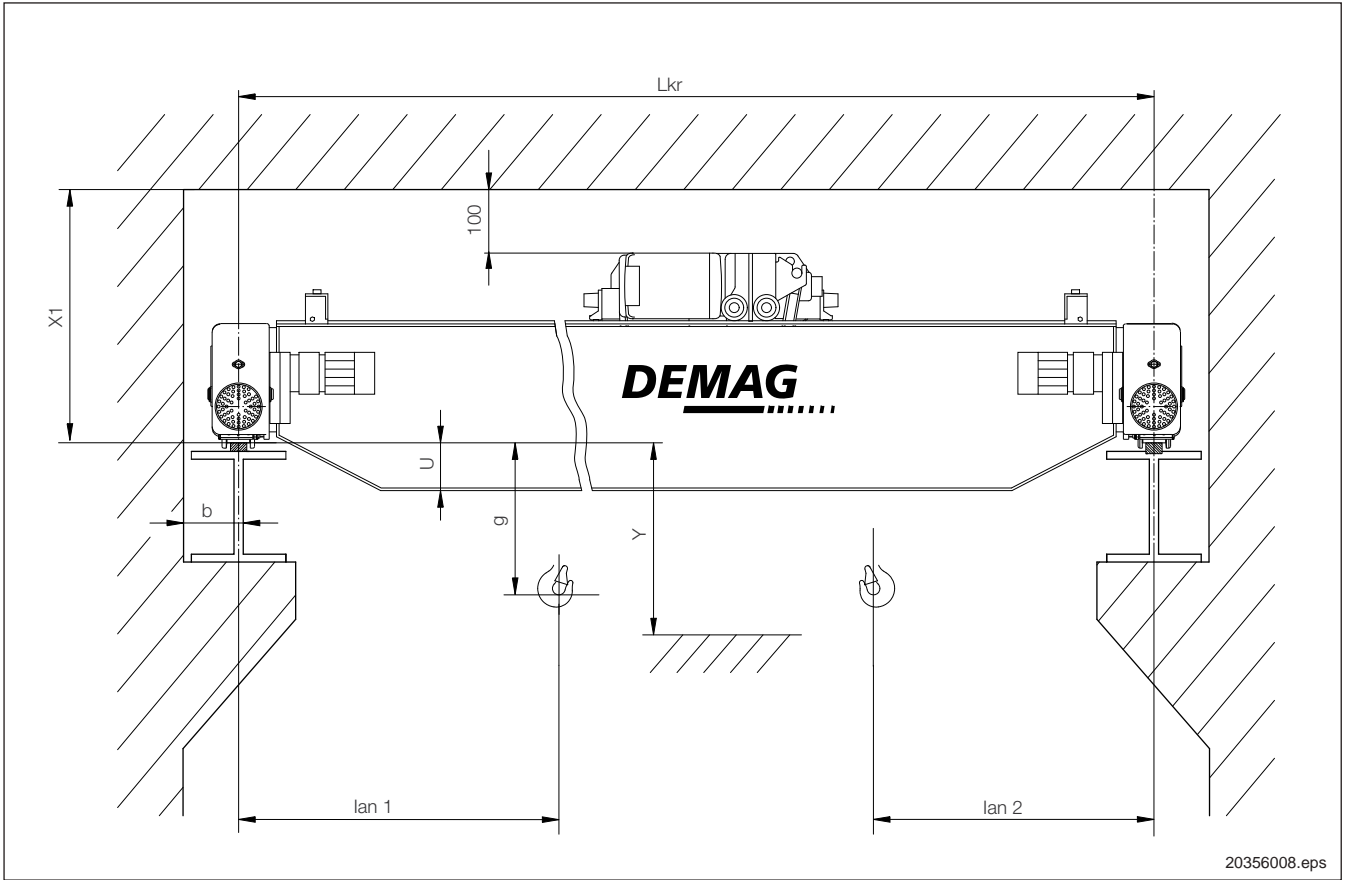
2/1 reeving:	+ 50 mm
4/1 reeving:	+ 20 mm
- 7) When drum length is changed, check L_{ka} .

Demag ZKKE standard double-girder overhead travelling crane

Crane girder: Box girder section; design 1

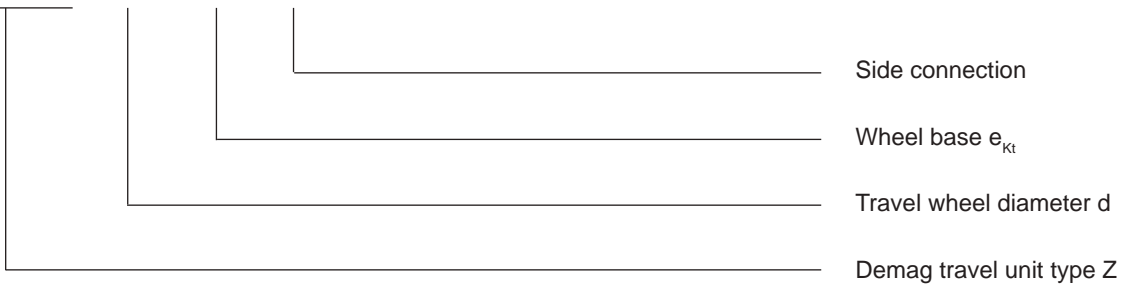
Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1 x EZDR

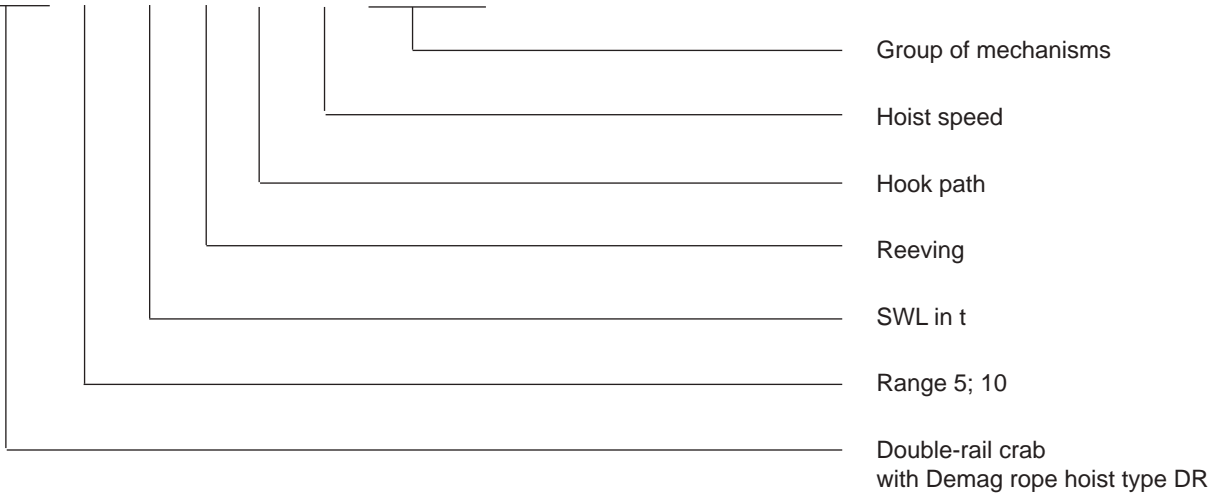


Type designation

DFW-L-Z 160 / 2500 / S



EZDR 10 - 8 4/1 10 - 6/1 FEM 3m



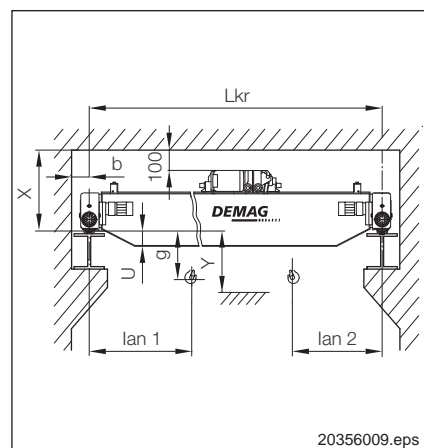
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ZKKE without crane walkway SWL 3.2 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 5 - 3.2 4/1 FEM 4m



Hook path: 10 or 6 m; hoist speed: 9/1.5 m/min or 1 - 12.5 m/min infinitely variable

Cross travel speed 1.5 - 30 m/min infinitely variable

Crane			Crane girder			Crab				Travel unit																								
L _{kr}	max. R	G _G	X 1)	H 1)	u	l _{an 1} 1)	l _{an 2} 1)	g 1)	y	L _{ka}	l _{an 3}	l _{an 4}	d	e _{Kt}	l _{ekt}	DPZ	b 1)																	
4	2037	1791	808	708	68	1090	700	22	568	1400	1423	1570	160	2500	2992	100	175																	
5	2138	1972																																
6	2220	2151																																
7	2291	2327																																
8	2357	2510																																
9	2418	2689																																
10	2475	2866																																
11	2531	3047																																
12	2585	3226																																
13	2637	3403																																
14	2689	3583																																
15	2775	3904																																
16	2868	4252																																
17	2923	4453																																
18	3019	4821																																
19	3163	5381																810	710	172	1100	710	-65	881	2240	2226	2373	200	4000	4598	130			
20	3185	5574																808	708	268												772	868	781
21	3293	5991																		270												770	770	883
22	3402	6419	272	772	770	883																												
23	3764	7845	270	770	770	883																												
24	3869	8255	368	868	770	883																												
25	4046	8970	895	795	281	1100	710	-65	881	2240	2226	2373	200	4000	4598	130																		
26	4124	9270															268			772												770	883	
27	4339	10121															270			770												770	883	
28	4417	10423															272			772												770	883	
29	4725	11648															368			868												770	883	
30	4932	12468															385			885												770	883	

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

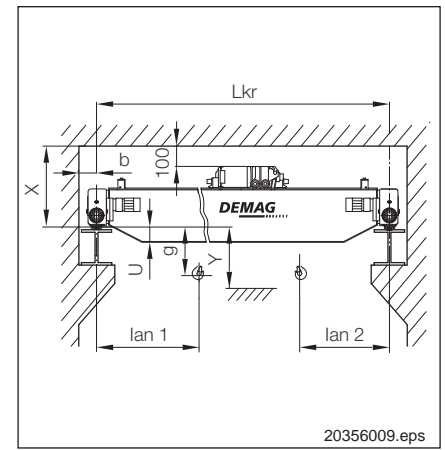
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 5 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z___/___/S

Crab: 1x EZDR 5 - 5 4/1 H20



Hook path: 10 or 6 m; hoist 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			Crane girder			Crab				Travel unit							
L _{kr}	max. R	G _e	X 1)	H 1)	u	l _{an 1} 1)	l _{an 2} 1)	g 1)	y	L _{ka}	l _{an 3}	l _{an 4}	d	e _{Kt}	l _{ekt}	DPZ	b 1)
4	2810	1791	808	708	68	1090	700	22	568	1400	1423	1570	160	2500	2992	100	175
5	2665	1972															
6	2754	2152															
7	2829	2329															
8	2897	2509															
9	2960	2690															
10	3018	2866															
11	3074	3047															
12	3129	3228															
13	3244	3657															
14	3300	3856															
15	3356	4056															
16	3447	4400															
17	3547	4783															
18	3605	5003															
19	3706	5395															
20	4065	6666															
21	4219	7271															
22	4377	7895															
23	4395	7957	808	708	368	22	868	1768	1915	3682	130						
24	4565	8631			370		870										
25	4728	9442	895	795	381	1100	710	-65	881	2240	2226	2373	200	4000	4598	130	
26	4810	9762			481												983
27	5029	10634			483												985
28	5110	10956			483												985
29	5309	11749			483												985
30	5634	13044			897												797

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_e** are in kg.

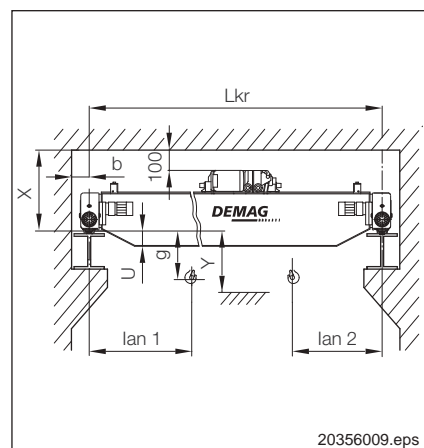
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 6.3 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 10 - 6.3 4/1 H20



Hook path: 10 or 6 m; hoist 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			Crane girder			Crab				Travel unit																		
L _{kr}	max. R	G _G	X 1)	H 1)	u	I _{an 1} 1)	I _{an 2} 1)	g 1)	y	L _{ka}	I _{an 3}	I _{an 4}	d	e _{Kt}	I _{ekt}	DPZ	b 1)											
4	3717	1975	808	708	68	1090	700	37	568	1400	1320	1673	160	2500	2992	100	175											
5	3862	2155																										
6	3974	2336																										
7	4066	2513																										
8	4146	2693																										
9	4218	2873																										
10	4284	3050																										
11	4400	3442																										
12	4465	3643																										
13	4556	3960																										
14	4684	4430	810	710	172	1100	710	35	672	2240	2217	2382	200	4000	4598	130												
15	4803	4870	175	37	770																							
16	4817	4896	808	708	270			35	870																			
17	4960	5443	810	710	272			37	868																			
18	5070	5859	812	712	370			35	870																			
19	5098	5949	808	708	368			1665	2018								37	870	1645	1998	3150	3642						
20	5349	7259																					370					
21	5428	7559																					370					
22	5588	8185																					370					
23	5759	8857																					810	710	468	35	870	
24	5780	8931				808	708			468	37	968																
25	5583	10055				895	795			383	1100	710	-50	883	2240	2217							2382	200	4000	4598	130	
26	5771	10797				897	797			481			-52	981														
27	5893	11279											483	-50														983
28	6175	12401											483	1081														
29	6331	13019	895	795	581			-50	983																			
30	6548	13882	897	797	581			-52	1081																			

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_G** are in kg.

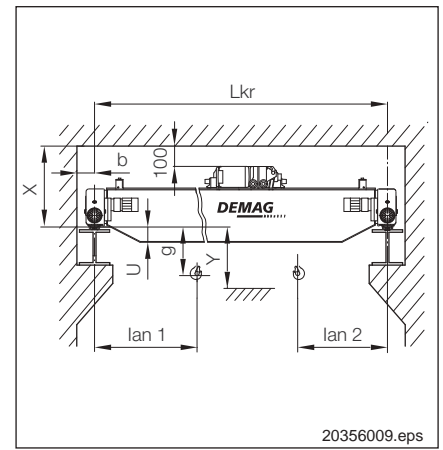
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 8 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z___/___/S

Crab: 1x EZDR 10 - 8 4/1 H20



20356009.eps

Hook path: 10 or 6 m; hoist 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			Crane girder			Crab				Travel unit							
L _{kr}	max. R	G _e	X 1)	H 1)	u	I _{an 1} 1)	I _{an 2} 1)	g 1)	y	L _{ka}	I _{an 3}	I _{an 4}	d	e _{Kt}	I _{ekt}	DPZ	b 1)
4	4564	1974	808	708	68	1090	700	37	568	1400	1320	1673	160	2500	2992	100	175
5	4734	2155															
6	4862	2335															
7	4966	2513															
8	5055	2693															
9	5155	2958	70														
10	5275	3328	810	710	72			35	572								
11	5326	3444	808	708	168			37	668								
12	5450	3867	810	710	170			35	670								
13	5521	4092	808	708	268			37	768								
14	5589	4312															
15	5726	4812				270											
16	5887	5418				275											
17	5944	5614				370											
18	6059	6042	372														
19	6208	6614	808	708	468	37	968										
20	6497	8166															
21	6588	8511															
22	6675	8839															
23	6765	9184															
24	6949	9904	470														
25	6588	10877	895	795	481	1100	710	-50	981	2240	2217	2382	200	4000	4598	130	
26	6683	11247															
27	6988	12458	897	797	483			-52	983								
28	7032	12625	895	795	581												-50
29	7444	14272															
30	7708	15321	897	797	581			-52									

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_e** are in kg.

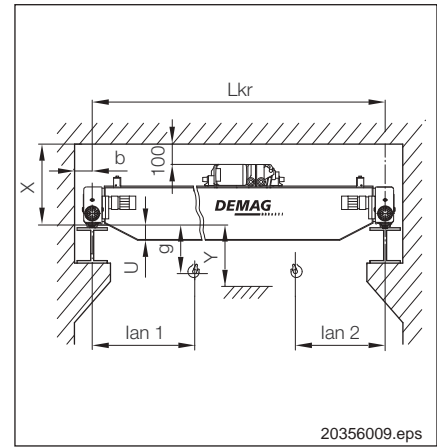
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 10 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 10 - 10 4/1 H20



Hook path: 10 or 6 m; hoist 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			Crane girder			Crab				Travel unit												
L _{kr}	max. R	G _G	X 1)	H 1)	u	l _{an 1} 1)	l _{an 2} 1)	g 1)	y	L _{ka}	l _{an 3}	l _{an 4}	d	e _{Kt}	l _{ekt}	DPZ	b 1)					
4	5561	1975	808	708	68	1090	700	37	568	1400	1320	1673	160	2500	2992	100	175					
5	5760	2155																				
6	5907	2334																				
7	6024	2512																				
8	6124	2693																				
9	6274	3123																810	710	72	35	572
10	6337	3243																808	708	168	37	668
11	6466	3647																810	710	170	35	670
12	6545	3877	808	708	268	37	768															
13	6648	4212			270		770															
14	6836	4899	810	710	275	35	775	2240	2217	2382	200	4000	4598	130	160							
15	6913	5150	808	708	368	37	868															
16	7113	5919	897	797	283	-52	783															
17	7274	6517	899	799	285	-54	785															
18	7334	6720	897	797	381	-52	881															
19	7458	7183			383		883															
20	7629	8371	895	795	381	-50	881															
21	7804	9044	897	797	381	-52	883															
22	7981	9729			383		883															
23	8260	10822	899	799	385	-54	885															
24	8321	11049	897	797	483	-52	983															
25	7722	11656																				
26	7927	12462	899	799		-54																
27	7878	12252	895	795	581	-50	1081															
28	8192	13499	897	797	583	-52	1083															
29	8534	14861	895	795		-50																
30	8956	16540	897	797	585	-52	1085															

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

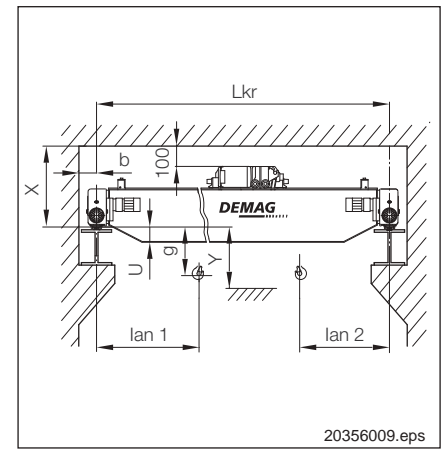
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 12.5 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z___/___/S

Crab: 1x EZDR 10 - 12.5 6/1 H20



Hook path: 6,7 m; hoist speed: 6/1 m/min; 2.7/0.4 m/min or 0.7 - 6 m/min infinitely variable;
cross travel speed 1.5 - 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit																			
L _{kr}	max. R	G _e	X 1)	H 1)	u	I _{an 1} 1)	I _{an 2} 1)	g 1)	y	L _{ka}	I _{an 3}	I _{an 4}	d	e _{kt}	I _{ekt}	DPZ	b 1)													
4	6131	2118	958	858	68	1100	1000	347	568	1400	1292	1701	160	2500	3058	100	175													
5	6542	2309																												
6	6831	2499																												
7	7094	2904	1045	945	-19													1010	1010	260	481	1400	1325	1734	200	2500	3058	100	175	
8	7328	3316	1047	947	-15																									
9	7465	3460	1045	945	81																									
10	7644	3851	1047	947	83																									
11	7795	4192			181																									
12	7966	4655	1049	949	183																									
13	8118	5079	1045	945	281																									
14	8258	5481	1047	947	285																									
15	8433	6043			258																									781
16	8515	6250			258																									785
17	8694	6864	1045	945	381																									
18	8880	7513	1047	947	383																									
19	9115	8371	1049	949	385																									
20	9139	9154	1045	945	388																									
21	9250	9534			256																									885
22	9441	10238	1049	949	253																									
23	9732	11349			256																									888
24	9806	11596			256																									883
25	9135	12681	1063	963	481																									
26	9249	13102	1065	965	483																									
27	9573	14365			242													1065												
28	9944	15825			240													1067												
29	10367	17493	1067	967	1065																									
30	10735	18938			238													1067												
																		1000	1000	240	1065	2240	2267	2376	250	4000	4642		200	
																							2299	2408			4706	160		

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_e** are in kg.

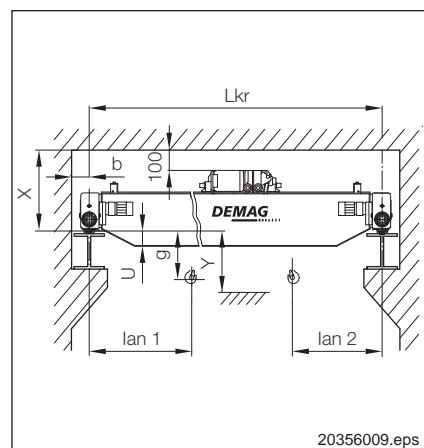
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 16 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 10 - 16 6/1 H20



Hook path: 6,7 m; hoist speed: 6/1 m/min; 2.7/0.4 m/min or 0.7 - 6 m/min infinitely variable;
cross travel speed 1.5 - 30 m/min infinitely variable

Crane			Crane girder			Crab				Travel unit							
L _{kr}	max. R	G _G	X 1)	H 1)	u	l _{an 1} 1)	l _{an 2} 1)	g 1)	y	L _{ka}	l _{an 3}	l _{an 4}	d	e _{Kt}	l _{okt}	DPZ	b 1)
4	7714	2336	1045	945	-19	1110	1010	260	481	1400	1325	1734	200	2500	3058	100	175
5	8226	2526															
6	8583	2716															
7	8883	3033	1047	947	-17			258	483								
8	9133	3371	1045	945	81			260	581								
9	9360	3764	1047	947	83			258	583								
10	9533	4045	1045	945	181			260	681								
11	9730	4498	1047	947	183			258	683								
12	9878	4813	1045	945	281			260	781								
13	10170	5715	1065	965	265			1100	1000								
14	10372	6321				365	965										
15	10493	6635	1070	970	465	235	965										
16	10791	7674								470	970						
17	10914	8035				240	1213										
18	11034	8397								240	1213						
19	11258	9191	238	967													
20	11297	10238			1065	965	467			235	1065						
21	11584	11303	1070	970								470	235	1065			
22	11836	12238			1063	963	713			242	1213						
23	12104	13243	1065	965				713	240			1213					
24	12150	13364			1067	967	713			238	1215						
25	11114	14044	1063	963				713	240			1213					
26	11244	14520			1065	965	713			240	1213						
27	11537	15656	1067	967				713	238			1215					
28	11664	16124			1065	965	713			238	1215						
29	11945	17215	1067	967				713	238			1215					
30	12388	18955			1065	965	713			238	1215						

1) Minimum dimensions

All data in mm (L_{kr} in m).

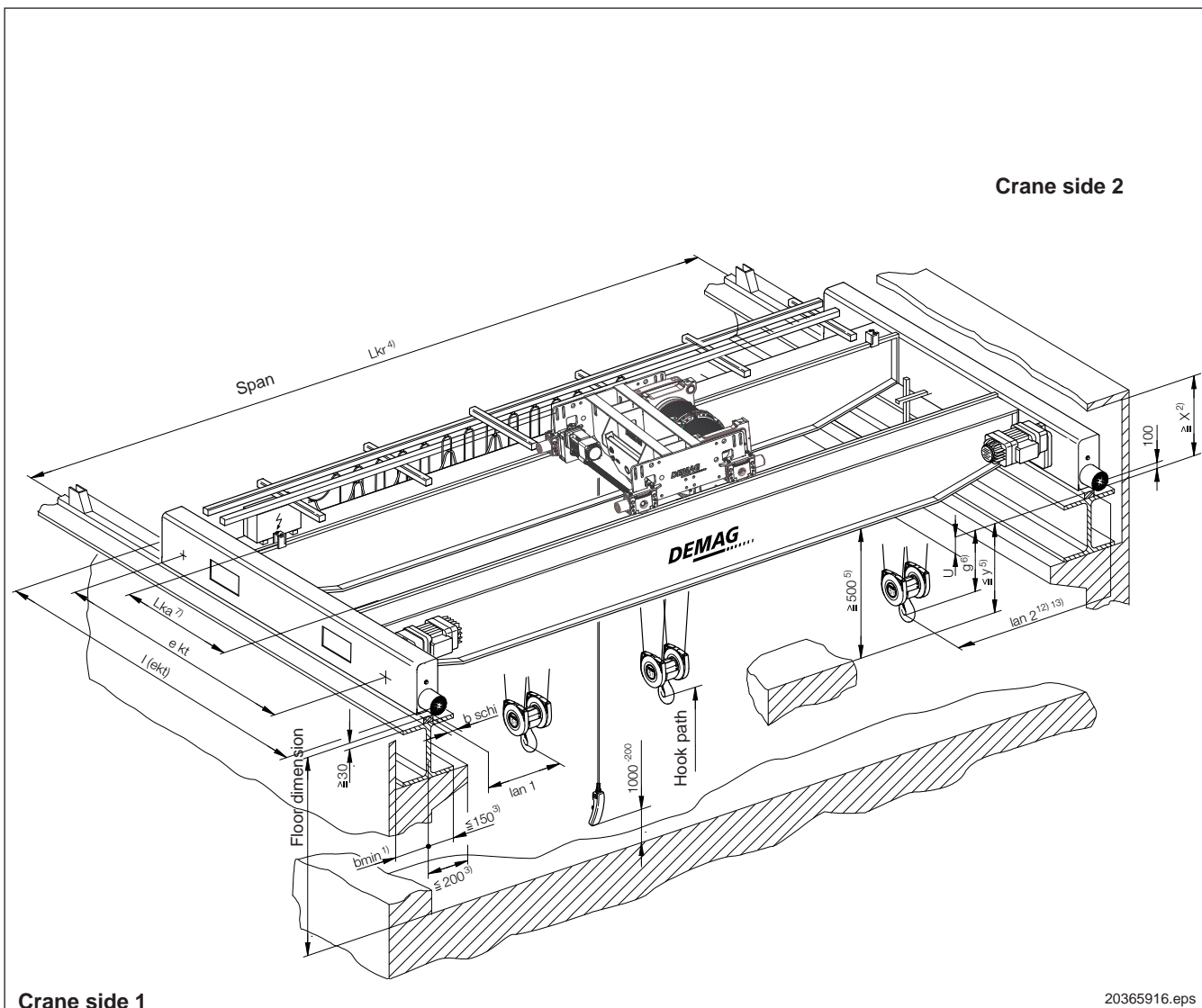
Weights max. R and G_G are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

Demag standard double-girder overhead travelling crane

Type: ZKKE

with box girder and DR rope hoist up to 50 t SWL



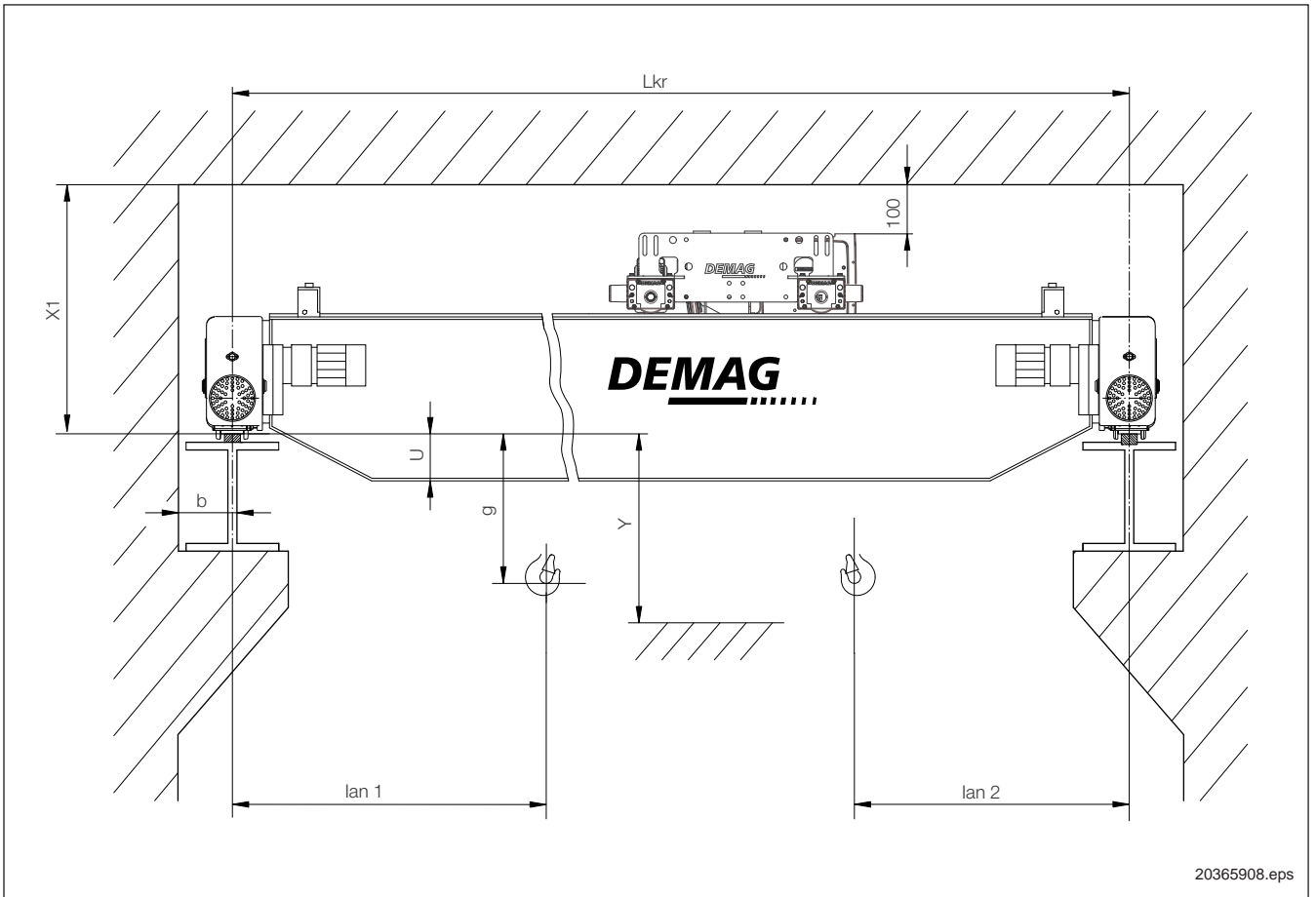
- 1) Check possibilities for installation. (b_{min} = min. lateral clearance dimension for crane travel).
- 2) Crane power supply system on crane runway girder.
- 3) Dimension > 150 or 200 modification of lan1 and lan2.
- 4) Admissible span tolerance of the crane runway:
 for $L_{kr} \leq 15$ m: ± 5 mm
 for $L_{kr} > 15$ m: $\pm (5 + 0,25 (L_{kr} - 15))$ mm
 acc. to DIN 4132, with L_{kr} in [m].
- 5) According to the accident prevention regulations BGV D6, a lower safety distance of 500 mm 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
- 7) When drum length is changed, check L_{ka} .

Demag ZKKE standard double-girder overhead travelling crane

Crane girder: Box girder section; design 1

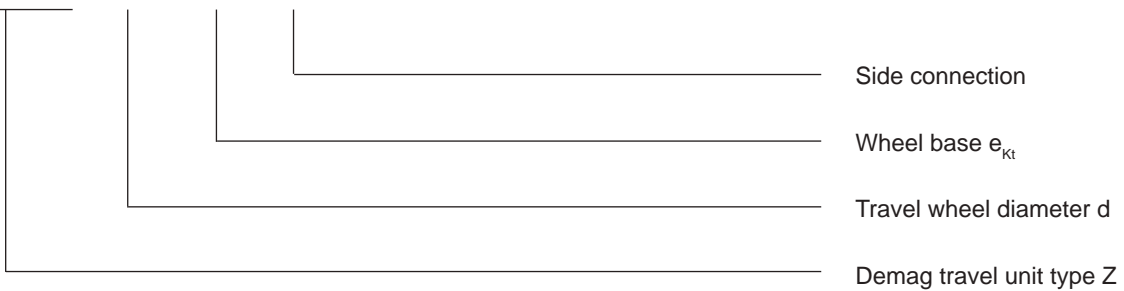
Travel unit: DFW-L-Z ___ / ___ /S; DFW-L-T ___ / ___ /S

Crab: 1 x EZDR 20

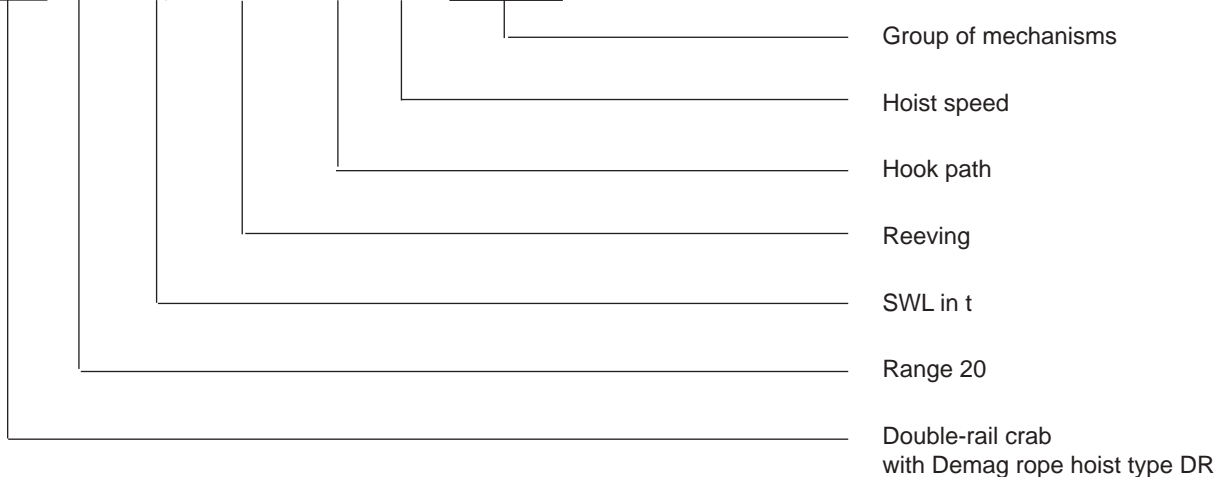


Type designation

DFW-L-Z 160 / 2500 / S



EZDR 20 - 12,5 - 4/1 - 12 - 6/1 FEM 4m

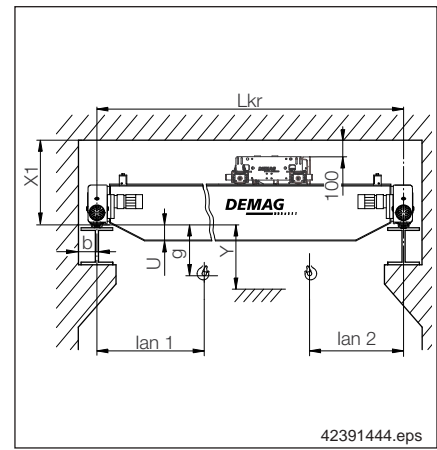


ZKKE without crane walkway SWL 12.5 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 20 - 12,5 4/1 - 18 Z-8 FEM 4m



Hook path: 12 to 37 m; hoist speed: 3/0.5 m/min; 6/1 m/min or 0.5 - 8 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit											
L _{kr}	max. R	G _e	X 1)	H 1)	u	lan1 1)	lan2 1)	g 1)	y	L _{ka}	lan3,4	d	e _{kt}	L _{ekt}	DPZ	b 1)						
4	5716	4285	1080	980	-19	1290	1490	610	481	2240	2279	200	4000	4558	100	175						
5	6288	4478																				
6	6684	4666																				
7	6982	4858																				
8	7218	5050																				
9	7455	5411															81	581				
10	7625	5623															181					
11	7827	6047															281		681			
12	7964	6273															283					
13	8175	6847			381				781													
14	8298	7105			383																	
15	8447	7496			481										881							
16	8599	7926			483																	
17	8748	8363			563												981					
18	8895	8810			565																	
19	9137	9654			567													1063				
20	9451	10796			713														1065			
21	9564	11143			715															1067		
22	9680	11512	715																			
23	9884	12240	715	1213																		
24	10139	13181	715																			
25	10353	13961	715		1215																	
26	10674	15177	715																			
27	10684	15153	715																			
28	10913	16011	715																			
29	11404	17917	715																			
30	11682	18978	1100					1000	715		590	590	590	590	2321		250	2353	4642	4706	160	200

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

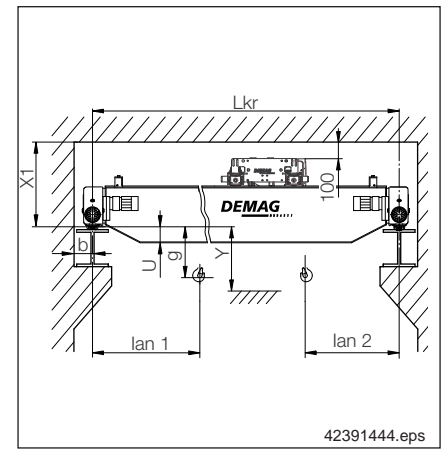
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 16 t

Crane girder: box girder; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 20-16 4/1-18 Z-8 FEM 3m



Hook path: 12 to 37 m; hoist speed: 3/0.5 m/min; 6/1 m/min or 0.5 - 8 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit					
L _{kr}	max. R	G _G	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{Kt}	L _{ekt}	DPZ	b 1)
4	6967	4260	1080	980	-19	1290	1490	610	481	2240	2279	200	4558	100	175	
5	7658	4453														
6	8134	4641														
7	8489	4833														
8	8806	5179														
9	9037	5386														
10	9282	5790														
11	9457	6022														
12	9691	6563														
13	9839	6822														
14	10400	8780														
15	10544	9109														
16	10686	9456														
17	10821	9804			1098											998
18	11037	10498														
19	11168	10867														
20	11373	11546														
21	11577	12236	463													
22	11647	12400	465													
23	11860	13148	563													
24	12070	13888	565													
25	12198	14311	713													
26	12426	15138	715													
27	12653	15969	1100	1000	715	1290	1490	590	1215	2240	2353	4000	4706	160		
28	13170	17968			813											
29	13457	19046			592											
30	13747	20144			590											

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_G** are in kg.

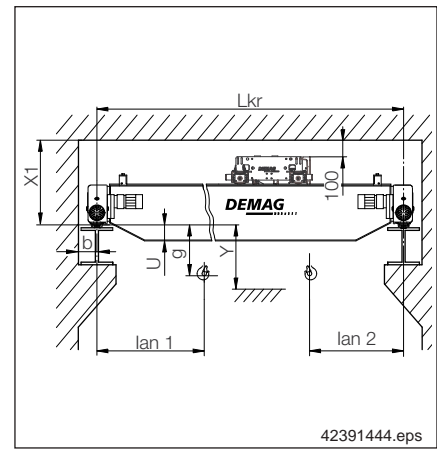
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 20 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 20-20 4/1-18 Z-8 FEM 2m



Hook path: 12 to 37 m; hoist speed: 3/0.5 m/min; 6/1 m/min or 0.5 - 8 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit														
L_{kr}	max. R	G_G	X 1)	H 1)	u	$I_{an1} 1)$	$I_{an2} 1)$	g 1)	y	L_{ka}	$I_{an3,4}$	d	e_{Kt}	L_{ekt}	DPZ	b 1)									
4	8422	4320	1090	990	-19	1290	1490	600	481	2240	2279	200	4000	4558	100	175									
5	9254	4528																							
6	9826	4732																							
7	10400	5542	1108	1008	63												582	582	863	2301	2301	250	4642	130	200
8	10736	5770																							
9	11052	6165																							
10	11288	6412																							
11	11565	6948																							
12	11751	7215																							
13	12063	8062																							
14	12230	8382																							
15	12418	8832																							
16	12619	9372																							
17	12938	10414	1108	1008	713												582	582	1213	2353	2353	315	4706	160	225
18	13080	10777																							
19	13297	11457																							
20	13463	11954																							
21	13679	12662																							
22	13904	13426																							
23	14267	14750																							
24	14409	15199																							
25	14652	16066																							
26	14902	16964																							
27	15307	18490	1110	1010	813	580	580	1313	2496	2496	4200	4991	160	225											
28	15608	19609																							
29	15918	20768																							
30	16374	22638	1178	1078	749	512	1249	1315	2496	315	4200	4991	160	225											

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

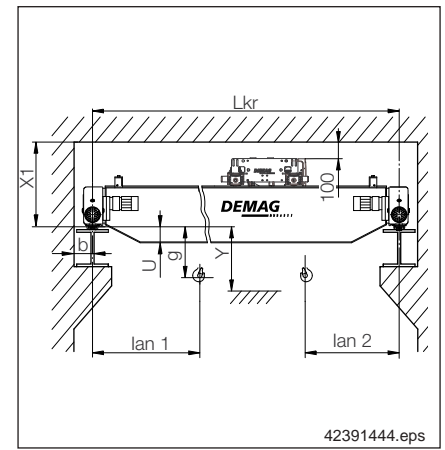
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 25 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 20-25 4/1-18 Z-8 FEM 1Am



42391444.eps

Hook path: 12 to 37 m; hoist speed: 3/0.5 m/min; 6/1 m/min or 0.5 - 8 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit							
L _{kr}	max. R	G _G	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{Kt}	L _{okt}	DPZ	b 1)		
4	10276	4913	1133	1033	-37	1320	1490	487	463	2240	2301	250	4000	4602	100	200		
5	11306	5123			63				563									
6	12037	5443			163				663									
7	12561	5673			263				763									
8	13044	6207			363				863									
9	13381	6467			365				865									
10	13740	7033			463				963									
11	13994	7334			465				965									
12	14283	7895			467				967									
13	14520	8340			465				965									
14	14759	8863			563				1063									
15	14971	9335			419				997									
16	15217	9990			417				997									
17	15643	11401			419				1145									
18	15849	11964			647				1147									
19	16256	13360			1201				1101		497	419	997	2364	315		4727	130
20	16502	14136			1203				1103		419	417	997					
21	16706	14759			1201				1101		645	419	1145	2396	315		4791	160
22	16872	15251	649	1149	419	1247	1245											
23	17213	16457	1203	1103	647	417	1147	2496	4200	4991	225							
24	17463	17311	649	1149	419	1247	1245											
25	17589	17680	1201	1101	747	419	1247					1245						
26	18092	19718	745	1245	417	1249	1395											
27	18390	20794	747	1247	417	1249	1395											
28	18712	21973	1203	1103	749	417	1249					1397						
29	18877	22535	895	1395	417	1249	1395	1397										
30	19193	23705	897	1397	417	1249	1395	1397										

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_G** are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

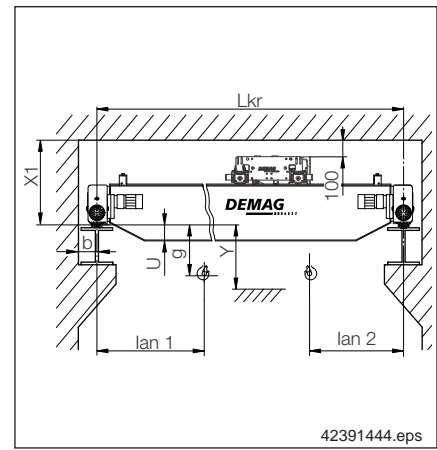
<https://cranemanuals.com>

ZKKE without crane walkway SWL 25 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 20-25 8/2-5.9 Z-8 FEM 1Am



Hook path: 5.9 to 23.4 m; hoist speed: 3/0.5 m/min; 6/1 m/min or 0.5 - 8 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit						
L _{kr}	max. R	G _G	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{Kt}	L _{ekt}	DPZ	b 1)	
4	8965	4227	1133	1033	-37	1320	1440	542	463	1400	1551	250	2500	3102	100	200	
5	9873	4450			63												
6	10530	4801			65												
7	10998	5047			163												
8	11383	5366			263												
9	11713	5734			363												
10	12045	6300			365												
11	12276	6601			463												
12	12547	7162			465												
13	12768	7607			467												
14	12994	8130			465												
15	13194	8602			540												967
16	13430	9257			542												965
17	13942	10391			540												1063
18	14189	11150			540												1065
19	14423	11879			470												997
20	14808	13232			474												1145
21	15083	14166	472	1147													
22	15245	14658	472	1149													
23	15581	15864	474	1245													
24	15827	16718	474	1247													
25	16630	17053	472	1245													
26	16890	17974	472	1247													
27	17424	20009	472	1249													
28	17739	21168	472	1249													
29	18063	22368	472	1249													
30	18207	22859	472	1249													
			895	1395													

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights max. R and G_G are in kg.

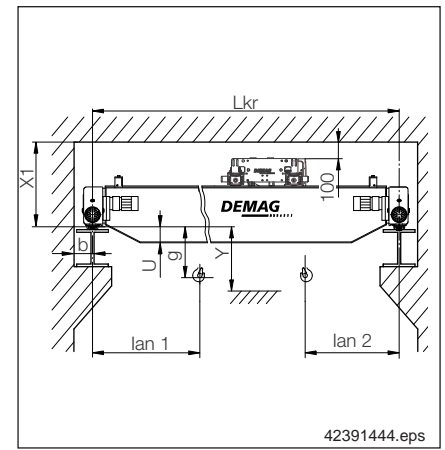
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 25 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

Crab: 1x EZDR 20-25 8/2-10.3 Z-8 FEM 1Am



Hook path: 5.9 to 23.4 m; hoist speed: 3/0.5 m/min; 6/1 m/min or 0.5 - 8 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit																	
L _{kr}	max. R	G _G	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{Kt}	L _{ekt}	DPZ	b 1)												
4	9713	4802	1133	1033	-37	1320	1440	542	463	2240	2301	250	4000	4602	100	200												
5	10686	5012			63				563																			
6	11379	5332			163				663																			
7	11876	5562			263				763																			
8	12302	5949			363				863																			
9	12618	6191			463				963																			
10	13006	6922			465				965																			
11	13250	7223			463				963																			
12	13530	7784			563				1063																			
13	13730	8108			474				997																			
14	13993	8752			1201				1101								497	474	1145	2364	315	4727	4791	160				
15	14165	9085			1203				1103								497	472	1145									
16	14367	9581			1201				1101								645	474	1147						2396	315	4791	160
17	14797	11026															647		1147									
18	15065	11853															745		1245									
19	15232	12303															747		1247									
20	15634	13714															745		1245									
21	15867	14469															747		1247									
22	16076	15140															749		1249									
23	16236	15632	1203	1103	895	472	1395	2496	4200	4991	160																	
24	16476	16454			745		1245																					
25	16690	17181			747		1247																					
26	16949	18102			749		1249																					
27	17484	20137	1203	1103	745	472	1245	2496	4200	4991	160																	
28	17799	21296			747		1247																					
29	18123	22496			749		1249																					
30	18268	22987			895		1395																					

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_G** are in kg.

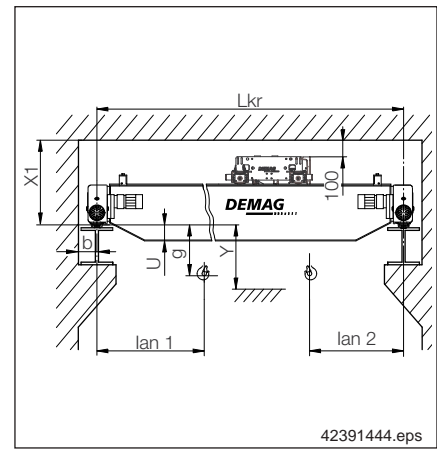
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 32 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S
DFW-L-T ___ / ___ /S

Crab: 1x EZDR 20-32 6/1-8 Z-5.3 FEM 2m



Hook path: 8 to 24.7 m; hoist speed: 4/0.7 m/min; 0.3 - 3.3 m/min or 0.3 - 5.3 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit					
L _{kr}	max. R	G _e	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{kt}	L _{ekt}	DPZ	b 1)
4	13034	4668			-37				463							
5	14392	4936	1221	1121	-35			592	465		1551	250		3102		200
6	15342	5296			65				565						100	
7	16187	6215	1291	1191	-1			522	499							
8	16726	6524	1289	1189	97			524	597		1594		2500	3187		
9	17214	7041	1293	1193	99			520	599							
10	17630	7552	1291	1191	199			522	699							
11	17959	7927	1289	1189	297			524	797							
12	18291	8469	1291	1191	299			522	799		1614			3227		
13	18620	9117	1293	1193	397			520	897							
14	18937	9817	1296	1196	399			517	899	1400						
15	19061	11070			397				897						130	
16	19313	11652	1289	1189	495			524	995							225
17	19652	12631	1291	1191	497	1345	1470	522	997		1939	315		3877		
18	19871	13174			645				1145							
19	20069	13666	1289	1189				524								
20	20415	14778	1291	1191	647			522	1147				3150			
21	20759	15911	1293	1193	649			520	1149							
22	20917	16316	1291	1191	747			522	1247							
23	21284	17579			749				1249		1971			3941		
24	21604	18673	1293	1193	752			520	1252							
25	21135	19848	1291	1191	747			522	1247							
26	21589	21513	1293	1193	749			520	1249		2496		4200	4991	160	
27	11233	21401			878				1378							
28	11379	22602			880				1380	2240						
29	11528	23843	1308	1208	882				1382							
30	11705	25359			885			505			2506	250	4300	5012		200

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

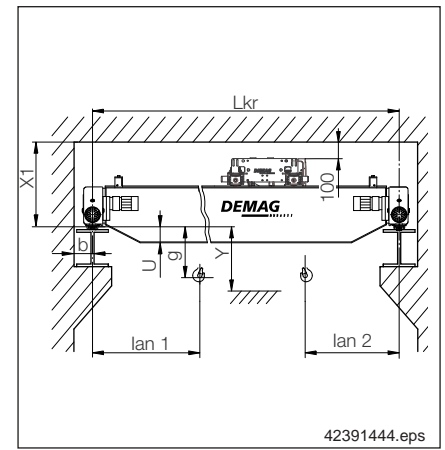
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 32 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S
DFW-L-T ___ / ___ /S

Crab: 1x EZDR 20-32 6/1-12 Z-5.3 FEM 2m



42391444.eps

Hook path: 8 to 24.7 m; hoist speed: 4/0,7 m/min; 0.3 - 3.3 m/min or 0.3 - 5.3 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit					
L _{kr}	max. R	G _G	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{Kt}	L _{ekt}	DPZ	b 1)
4	12566	5334	1221	1121	-37	1345	1470	592	463	2240	2301	250		4602	100	200
5	13868	5602			-35				465							
6	14767	5908			63				563							
7	15433	6218			65				565							
8	16144	7298	1289	1189	97			524	597							
9	16596	7733	1291	1191	99			522	599							
10	16997	8234			197				697							
11	17313	8600	1289	1189	295			524	795							
12	17635	9133	1291	1191	297			522	797							
13	17923	9651	1289	1189	397			524	897							
14	18181	10137	1291	1191				522	895							
15	18606	11364	1289	1189	395			524	895							
16	18914	12178			495				995							
17	19185	12894			497				997							
18	19444	13606	1291	1191	645			522	1145							
19	19664	14192	1289	1189	647			524	1147							
20	19930	14994			645				1145							
21	20188	15785	1291	1191	647			522	1147							
22	20421	16501	1289	1189	747			524	1247							
23	20694	17391	1291	1191	747			522	1249							
24	20958	18267			749				1249							
25	21403	20004			747				1247							
26	21858	21669	1293	1193	749			520	1249							
27	11059	21557	1308	1208	878			505	1378							
28	11204	22758			880				1380							
29	11353	23999			882				1382							
30	11530	25515			885				1385							

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_G** are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

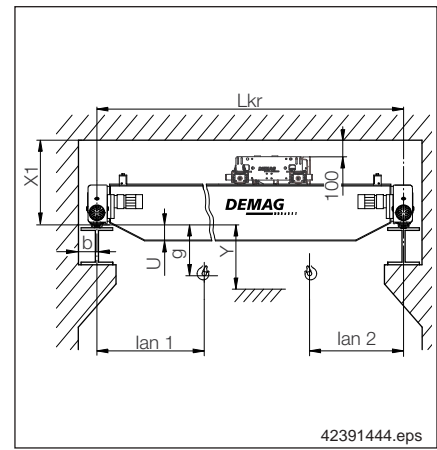
<https://cranemanuals.com>

ZKKE without crane walkway SWL 40 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S
DFW-L-T ___ / ___ /S

Crab: 1x EZDR 20-40 6/1-8 Z-5.3 FEM 1Am



Hook path: 8 to 24.7 m; hoist speed: 4/0.7 m/min; 0.3 - 3.3 m/min or 0.3 - 5.3 m/min infinitely variable;
ross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab				Travel unit						
L _{kr}	max. R	G _e	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{Kt}	L _{ekt}	DPZ	b 1)
4	16119	5292			-5				495							
5	17778	5584	1289	1189	-3			524	497							
6	18932	5965			97				597							
7	19790	6372			99				599							
8	20473	6832	1291	1191	197			522	697	1400		315	2500	3187	100	225
9	20820	7909	1289	1189	195			524	695							
10	21337	8592	1291	1191	197			522	697		1939		3150	3877		
11	21747	9096	1289	1189	297			524	797							
12	11426	9820	1306	1206	280			507	780							
13	11626	10639	1308	1208	282			505	782							
14	11756	10995			380				880							
15	11897	11535	1306	1206	478			507	978						130	
16	12076	12484			480				980							
17	12223	13232	1308	1208	482	1345	1470	505	982							
18	12308	13512	1306	1206	628			507	1128							
19	12483	14594	1308	1208	630			505	1130							
20	12608	15293	1306	1206				507	1230							
21	12742	16107	1308	1208	730			505	1230	2240		250	4300			200
22	12922	17340			732				1232							
23	13084	18449	1310	1210				503	1380							
24	13244	19561														
25	13344	20187	1313	1213	880			500	1380							
26	13393	21936	1310	1210				503	1380							
27	13569	23360														
28	13726	24632	1313	1213	882			500	1382							
29	13817	25301														
30	13904	25946	1308	1208	1080			505	1580							

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

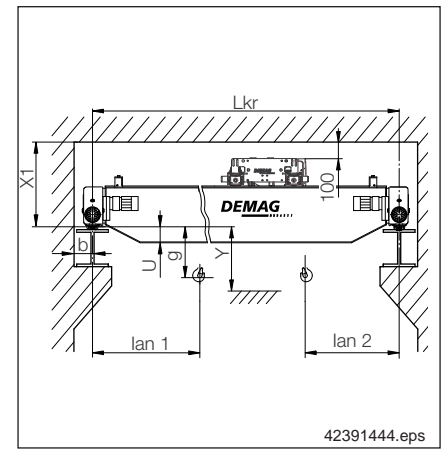
All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

ZKKE without crane walkway SWL 40 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S
DFW-L-T ___ / ___ /S

Crab: 1x EZDR 20-40 6/1-12 Z-5.3 FEM 1Am



Hook path: 8 to 24.7 m; hoist speed: 4/0.7 m/min; 0.3 - 3.3 m/min or 0.3 - 5.3 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit					
L _{kr}	max. R	G _e	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{kt}	L _{ekt}	DPZ	b 1)
4	15515	6066	1289	1189	-5	1345	1470	524	495	2240	2344	315	4000	4687	100	225
5	17091	6313			595											
6	18194	6685			597											
7	18998	7019			697											
8	19669	7533			695											
9	20315	8435			197											
10	20823	9118	1291	1191	197			522	697		2364	4727				
11	21201	9525			297			524	797							
12	21553	10011			1289			1189	378				507	878	2474	4948
13	11375	10507	1306	1206	380			880								
14	11538	11151			478			978								
15	11677	11691			480			980								
16	11855	12640	1308	1208	482			505	980		2506	5012				
17	12032	13652	1310	1210	482			503	982				250	4300		
18	12124	13992	1306	1206	630			507	1130						250	4300
19	12299	15090	1308	1208	632			505	1132		250	4300				
20	12388	15494	1306	1206	730			507	1230				250	4300		
21	12560	16635	1308	1208	732			505	1232						250	4300
22	12755	18002	1310	1210	880			503	1380		2506	5012				
23	12921	19141	1313	1213				500								
24	13017	19717						503								
25	13069	21418	1310	1210				1078			505	1578	2506	5012		
26	13244	22831	1308	1208	1080											
27	13334	23456			1082			1580								
28	13430	24163			1582											
29	13588	25457			1582											
30	13740	26710	1082													

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights **max. R** and **G_e** are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

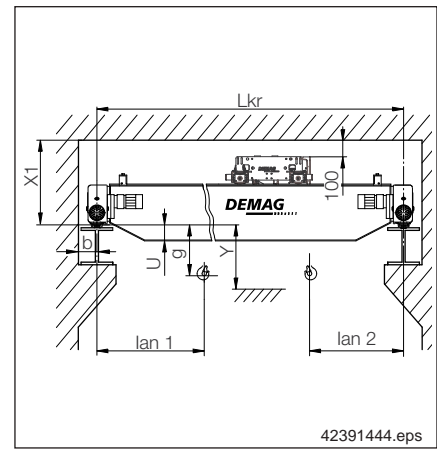
ZKKE without crane walkway SWL 50 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

DFW-L-T ___ / ___ /S

Crab: 1x EZDR 20-50 8/1-6 Z-4 FEM 1Am



Hook path: 6 to 18.5 m; hoist speed: 3/0.5 m/min; 0,3 - 2.5 m/min or 0.2 - 4 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab				Travel unit						
L _{kr}	max. R	G _e	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{Kt}	L _{ekt}	DPZ	b 1)
4	19395	5539	1289	1189	-5	1345	1470	544	495	1400	1593,5	315	2500	3187	100	225
5	21410	5923	1291	1191	-1			542	499							
6	12108	7256	1308	1208	78			525	578							
7	12658	7823	1310	1210	80			523	580							
8	13068	8221	1306	1206	178			527	678							
9	13407	8711			180			527	680							
10	13715	9415	1308	1208	182			525	682							
11	13962	9941			280				780							
12	14185	10531			282				782							
13	14405	11300			382				882							
14	14587	11903			480				980							
15	15398	13043			479				979							
16	15655	14451	1311	1211	627			522	1127							
17	15800	15016			629				1129							
18	15965	15812			727				1227							
19	16124	16617			729				1229							
20	16288	17521			877				1377							
21	16470	18613			879				1379							
22	16593	19250	1313	1213	520			520	1575							
23	16797	20601			522					1379						
24	16863	22456			520					1577						
25	17033	23686	1311	1211	522			520	1579							
26	17195	24881			1075					1579						
27	17359	26105	1313	1213	520			520	1582							
28	17534	27459								1077	1579					
29	17712	28853								1079	1582					
30	17916	30503			1082											

1) Minimum dimensions

All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

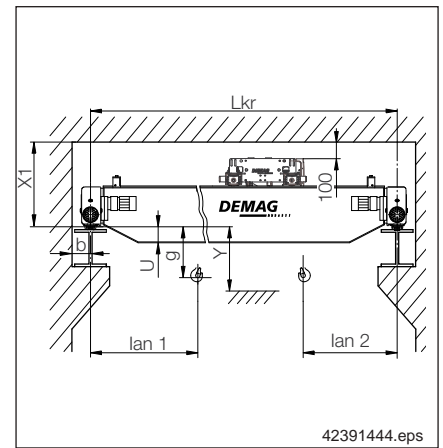
ZKKE without crane walkway SWL 50 t

Crane girder: Box girder section; design 1

Travel unit: DFW-L-Z ___ / ___ /S

DFW-L-T ___ / ___ /S

Crab: 1x EZDR 20-50 8/1-9 Z-4 FEM 1Am



42391444.eps

Hook path: 6 to 18.5 m; hoist speed: 3/0.5 m/min; 0,3 - 2.5 m/min or 0.2 - 4 m/min infinitely variable;
cross travel speed up to 30 m/min infinitely variable

Crane			Crane girder			Crab					Travel unit						
L _{kr}	max. R	G _e	X 1)	H 1)	u	I _{an1} 1)	I _{an2} 1)	g 1)	y	L _{ka}	I _{an3,4}	d	e _{Kt}	L _{ekt}	DPZ	b 1)	
4	18888	6327	1289	1189	-5	1345	1470	544	495	2240	2344	315	4000	4687	100	225	
5	20834	6687			95				544								595
6	11923	7321	1306	1206	78			527	578		2454	2474	250	4300	4948	130	200
7	12452	7766			80				527								
8	12871	8286	1308	1208	180			525	680		2467	315	4200	4933	160	225	
9	13217	8867	1306	1206	180			527	682								
10	13522	9571	1308	1208	182			525	682		2499	315	4200	4997	160	225	
11	13766	10097			280				525								780
12	14009	10872	1310	1210	282			523	782		2499	315	4200	4997	160	225	
13	14206	11456	1308	1208	382			525	882								
14	15057	12951	1311	1211	477			522	977		2499	315	4200	4997	160	225	
15	15242	13663			479				522								979
16	15443	14607			627				522								1127
17	15587	15172			629				522								1129
18	15751	15968			629				522								1129
19	15909	16773			727				522								1227
20	16110	17987	1313	1213	729			520	1229		2499	315	4200	4997	160	225	
21	16254	18769	1311	1211	877			522	1377								
22	16417	19747			879			520	1379								
23	16580	20757	1313	1213	879			520	1382		2499	315	4200	4997	160	225	
24	16645	22612	1311	1211	882			522	1575								
25	16897	24600	1313	1213	882			520	1575		2499	315	4200	4997	160	225	
26	16976	25037	1311	1211	1075			522	1577								
27	17139	26261			1077			520	1579								
28	17314	27615	1079	522	1579												
29	17588	29889	1313	1213	1082			520	1582		2499	315	4200	4997	160	225	
30	17696	30659			1082			520	1582								

1) Minimum dimensions

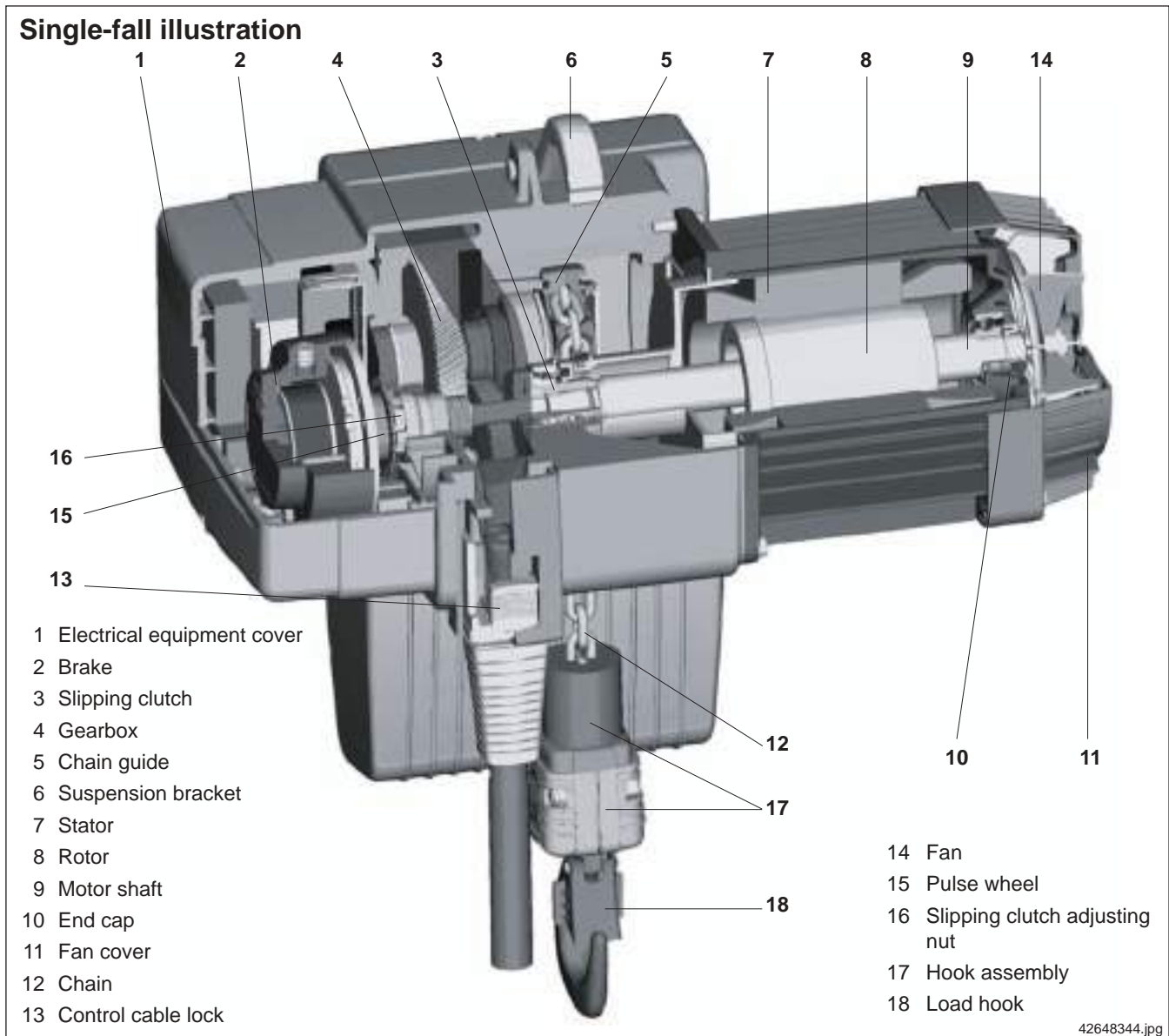
All data in mm (L_{kr} in m).

Weights max. R and G_e are in kg.

All structural dimensions, approach dimensions and data for dimensioning the crane runway are related to standard design 1 described in this catalogue. Deviations from this design must be checked.

EUDC chain hoists

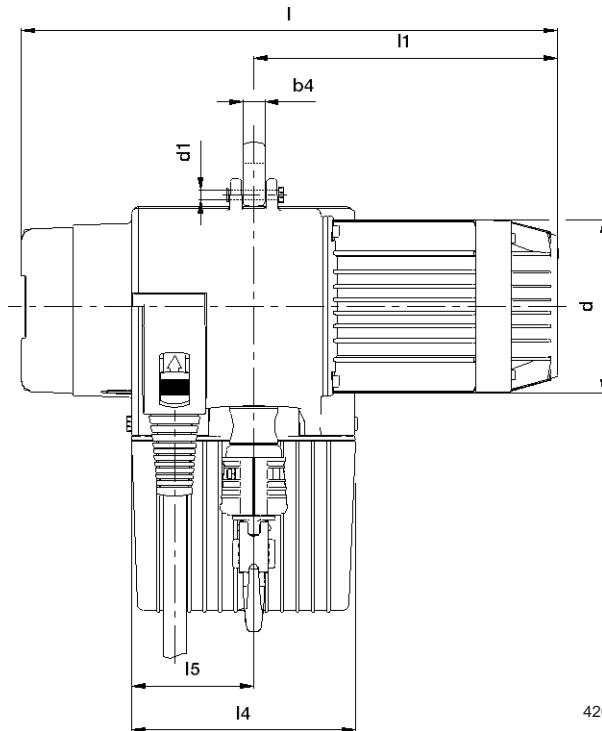
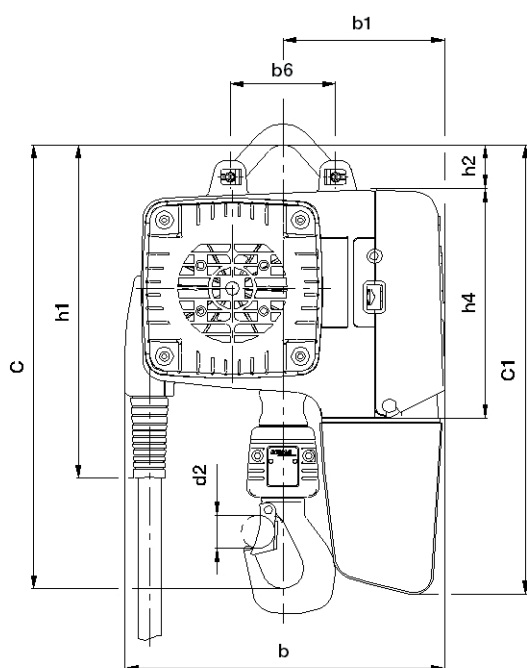
Designation / Description / Model code



Mounting code

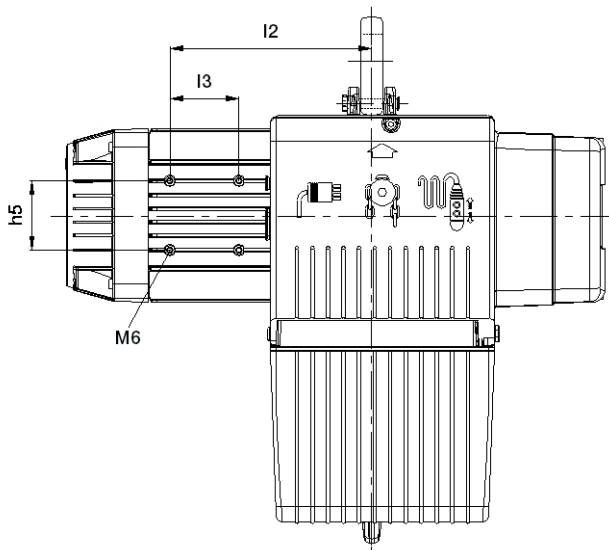
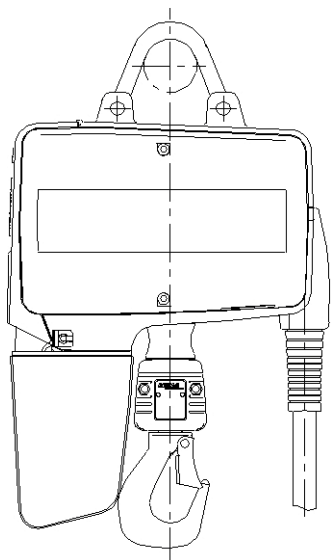
EU	DC-Pro	10 -	1000	H5	V1	380-415 /	50	24/6	100	
									Flange width [mm] or I beam	
									Travel speed [m/min]	
									Frequency [Hz]	
									Voltage range [V]	
									Hoist speed	
									Hook path [m]	
									Load capacity [kg]	
									Size	
									DC chain hoist (Demag-ChainHoist)	
									DCM Manulift	
									DCS chain hoist infinitely variable	
									DCMS Manulift infinitely variable	
									Travel unit type	
									CF Click-Fit	
									E travel drive	
									U push-travel	

DC-Pro 1-10 chain hoist with short suspension bracket



42064448.jpg

DC-Pro 1-10 chain hoist with long suspension bracket



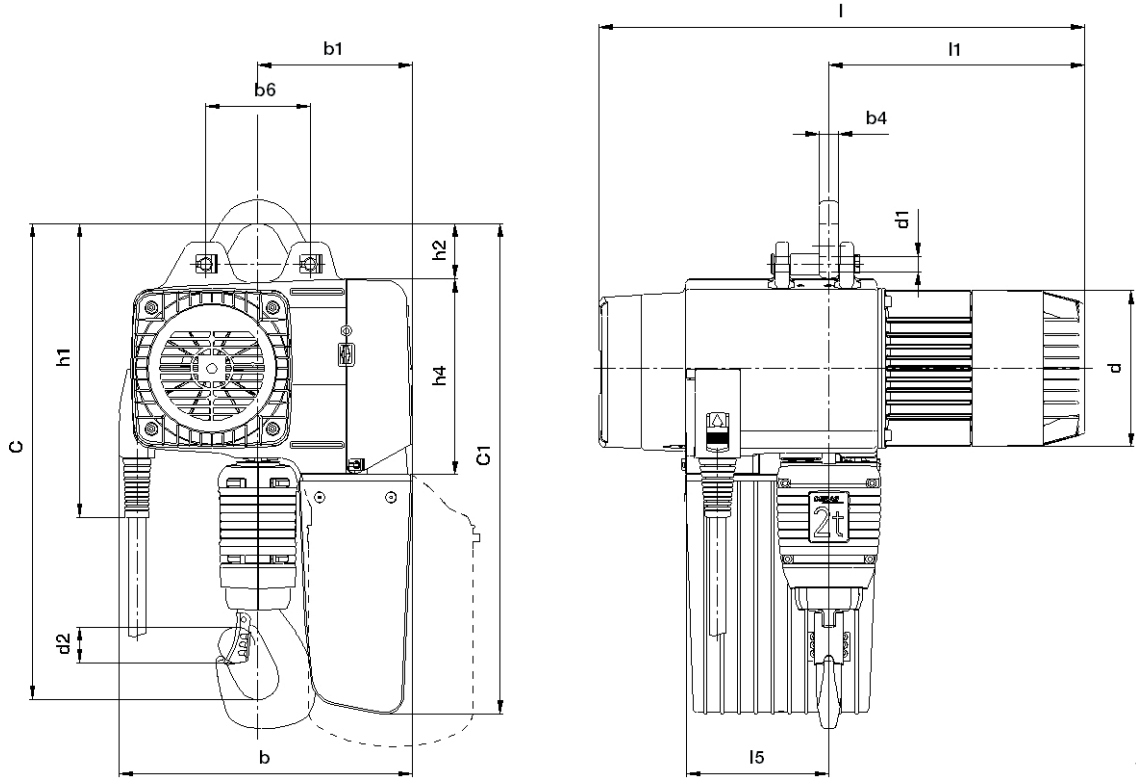
42064547.jpg

Size	Motor	Suspension bracket																				Suspension bracket			
		long		short																		short		long	
		Chain collector box size																							
		H5	H8	H5	H8																				
		C 2)		C 1)		b	b1	l	l1	l2	l3	l4	l5	b4	b6	d	d1	d2	h1	h2	h1	h2	h4	h5	
DC Pro 1/2	ZNK 71 B 8/2	326	364	335	365	373	403	268	138	422	237	170	183	100	19	92	124	8	22	263	40	300	78	163	50
DC-Pro 5	ZNK 80 A 8/2	378	416	395	425	435	465	280	141	468	265	175	195	107	19	92	151	8	24	293	40	323	78	201	60
DC-Pro 10	ZNK 100 A 8/2	472	505	493	526	615	349	184	528	289	183	227	135	23	124	187	18	33	350	65	383	98	233	60	
	582			615	578				339																

- H8 chain collector boxes are used for H5 hook paths and speed v2.
- The C dimension is increased by 42 mm for chain hoists with v = 16/4 or v = 12/3.
The C dimension is increased by 111 mm for DC 5 chain hoists with v = 24/6.
The C dimension is increased by 131 mm for DC 10 chain hoists with v = 24/6.

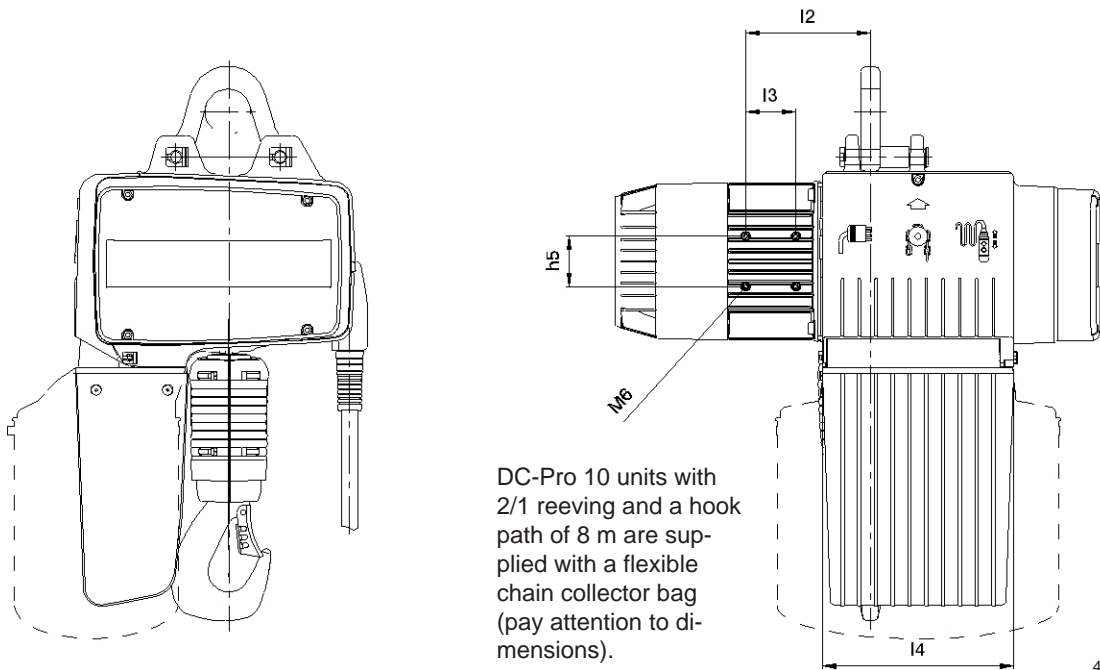
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DC-Pro 10 chain hoist with short suspension bracket



42666049.jpg

DC-Pro 10 chain hoist with long suspension bracket



DC-Pro 10 units with 2/1 reeving and a hook path of 8 m are supplied with a flexible chain collector bag (pay attention to dimensions).

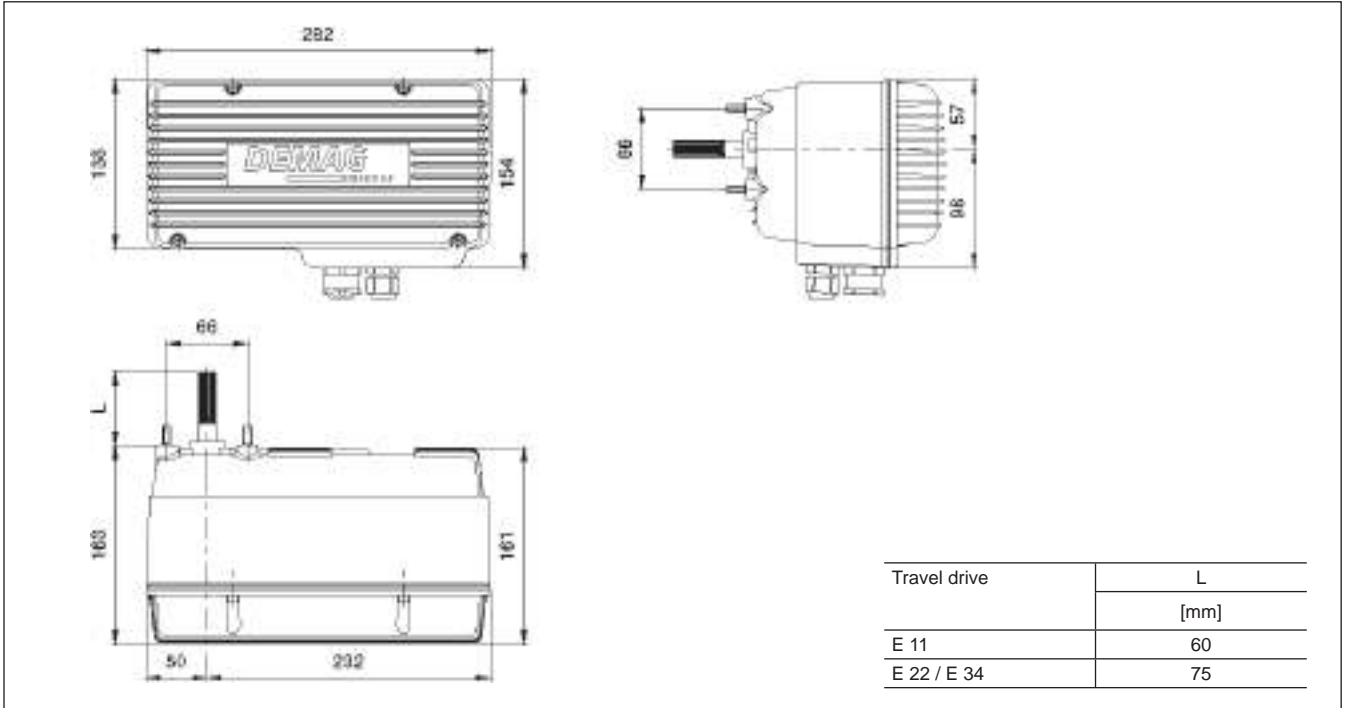
42666048.jpg

Size	Motor	Suspension bracket			Chain collector box size														Suspension bracket											
		long	short	long	H5	H8	H5	H8	H5	H8	H5	H8	H5	H8	H5	H8	l	l1	l2	l3	b4	b6	d	d1	d2	h1	h2	h1	h2	h4
DC-Pro 10	ZNK 100 B 8/2				C																									
					C 1 1)																									
		564	597	582	632	615	665	349	409	184	244	227	340	170	225	578	304	149	60	23	124	187	18	42	350	65	383	98	233	60

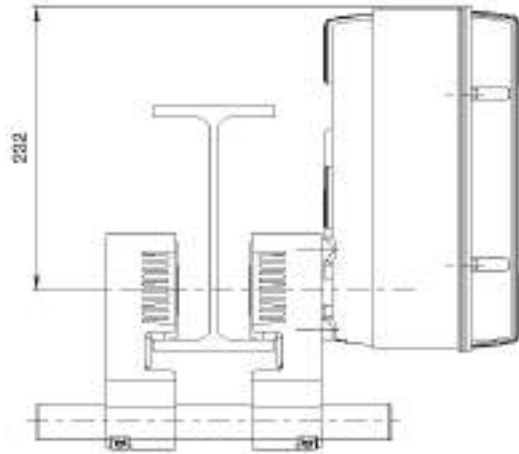
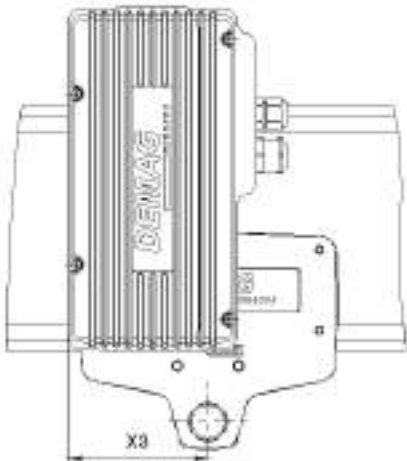
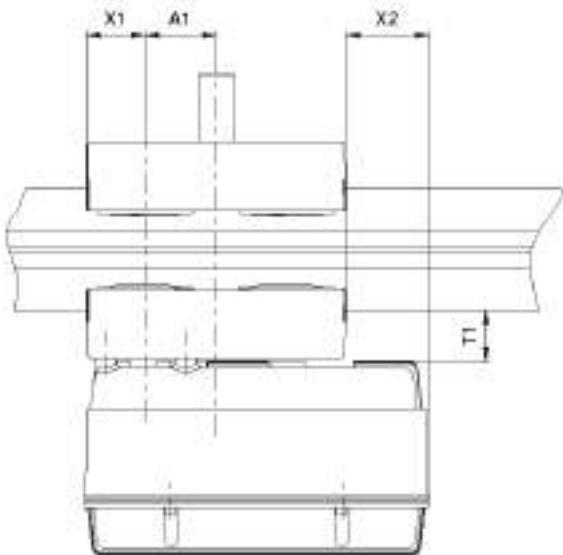
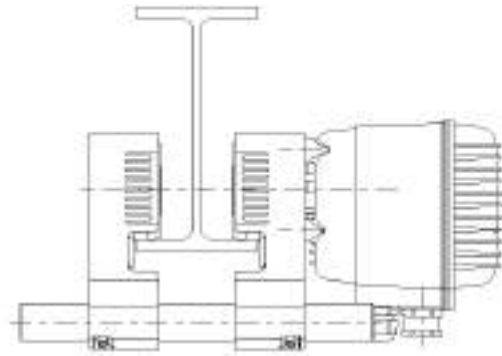
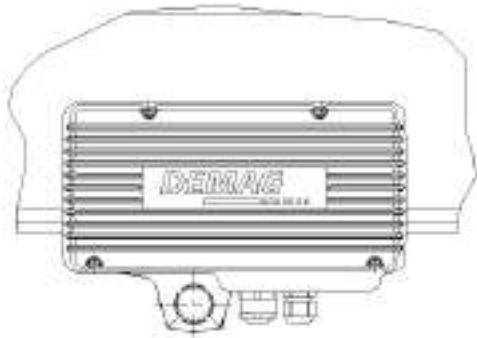
76 1) With hook path H5 and speed V2, chain collector box H8 is used.

Dimensions

E 11 / E 22 / E 34 travel drive



E 11 / E 22 / E 34 travel drive fitted to U 11 / U 22 / U 34 travel unit travelling on the bottom flange

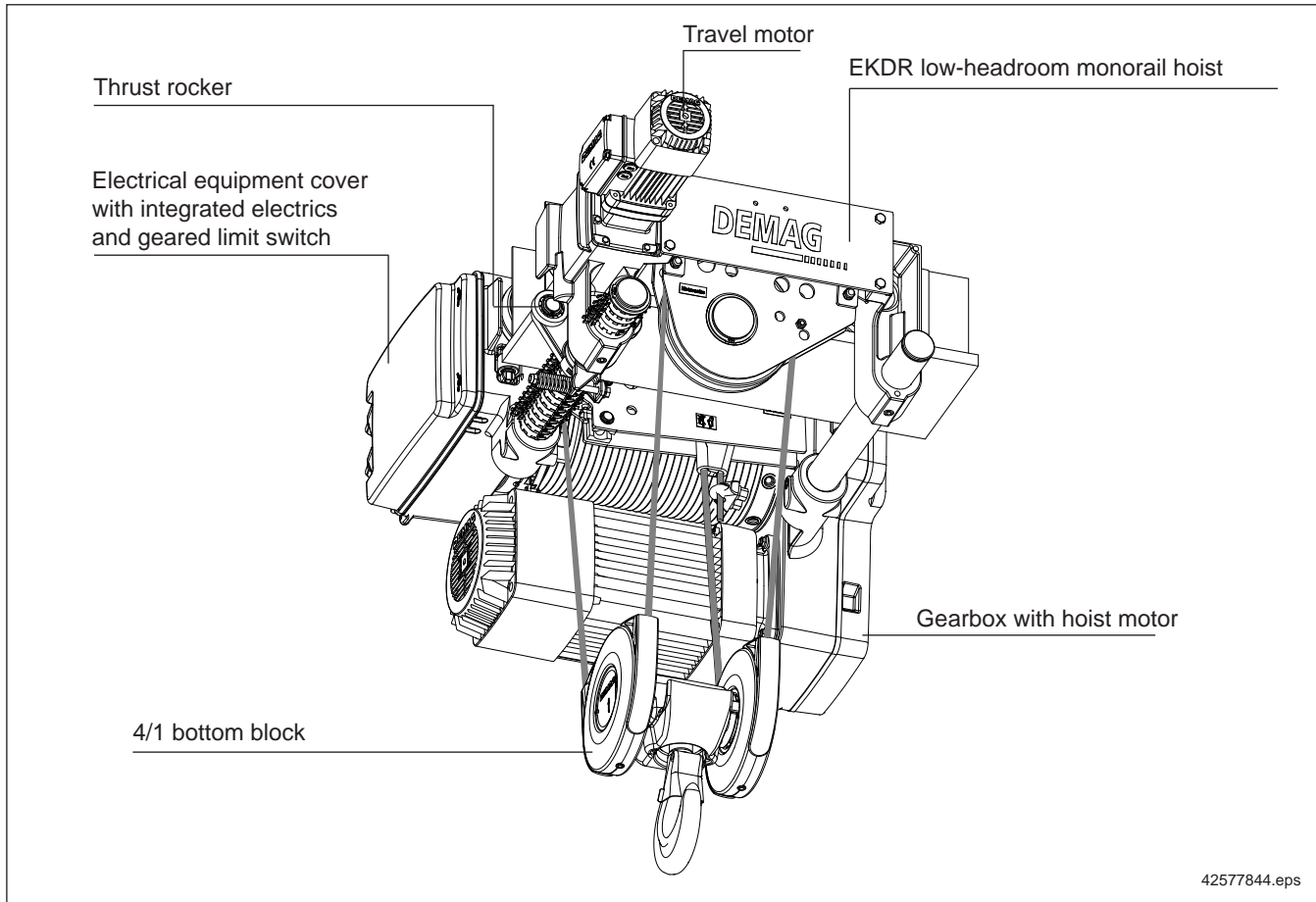


For outdoor operation we recommend horizontal fitting of the travel drive.

Travel unit	A1	X1	X2	X3	T1
	[mm]	[mm]	[mm]	[mm]	[mm]
U 11	58	50	68	115	41
U 22 / U 34	60	68	44	117	49

EKDR 3, 5, 10 monorail hoist

Designation / Description / Model code



Explanation of size designation / type assignment

E	K	DR-Pro	3 -	3,2	4/1 -	6	Z -	6/1 -	400 -	00 -	50 -	30	300	45	
															Rail head width in mm
															Span
															Maximum cross-travel speed in m/min
															Frequency [Hz]
															Electrical equipment code 1)
															Operating voltage [V]
															Hoist speed in m/min
															Motor type: Z = Cylindrical rotor
															Hook path in m
															Reeving
															SWL in t
															Range 3; 5; 10
															Demag rope hoist
															K = Low-headroom monorail hoist
															Z = Double-rail crab
															F = Stationary
															E = Electric travel unit

1) Code 00 Prepared for electrical equipment supplied by the customer

Code 01 EKDR with internal electrics for application on a crane Including crane bridge housing and DSE-8R or DSE-10R control pendant with control cable.

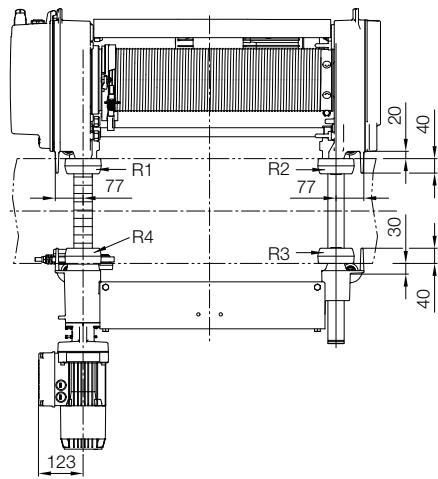
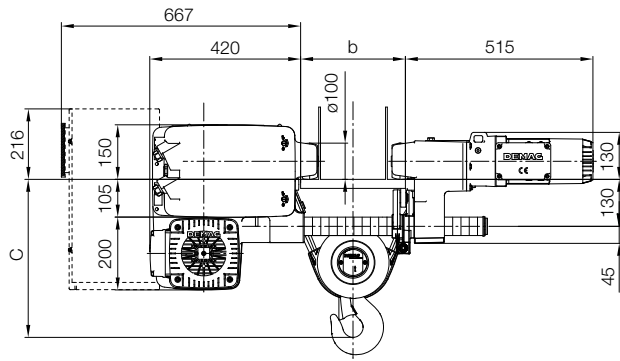
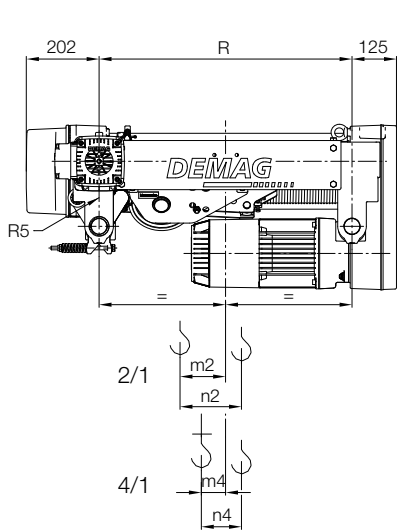
Code 02 EKDR with solo electrical equipment for application as a solo travelling hoist. Including DSE-8R or DSE-10R control pendant with control cable.

Code 03 As for code 01 but control via a DRC radio control system.

Code 04 As for code 02 but control via a DRC radio control system.

Code 05 EKDR with fitted "in" parallel interface.

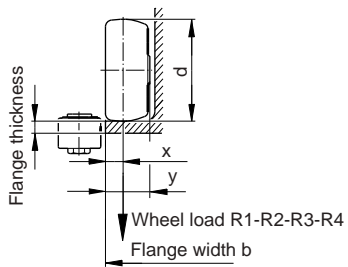
Example EKDR 3 - Pro monorail hoist



Dimensions see next page

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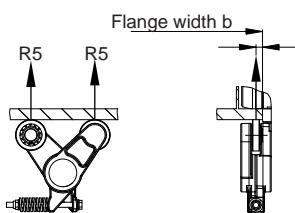
Wheel loads



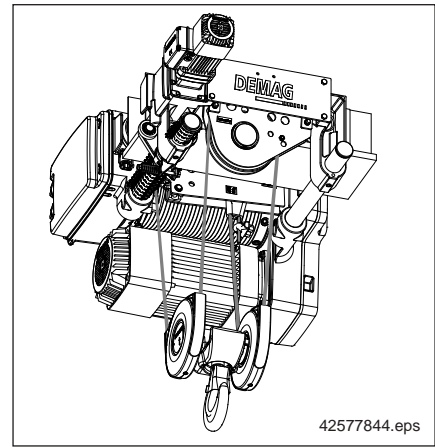
41171947.eps

		EZDR 3	EZDR 5	EZDR 10
Wheel diameter d	[mm]	100	125	160
x	[mm]		20	23
y	[mm]		44	48
Flange thickness	min. [mm]	10	12	15
	max. [mm]	30	30	30

Thrust rocker



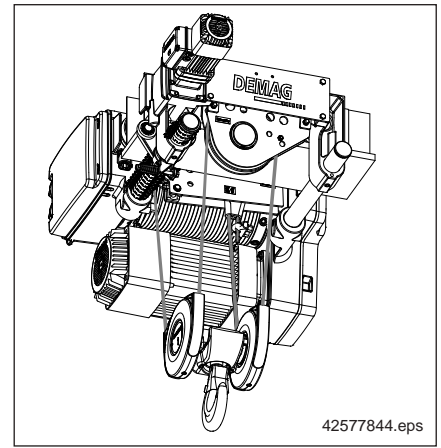
42584144.eps



Dimensions

Type	EKDR 3								EKDR 5										
Reeving	2/1				4/1				2/1				4/1				4/2		
SWL t	1.6/2 m				3.2/2 m				2.5/2 m				5.0/2 m				2.5/2 m		
Hook path m	12	20	6	10	12	20	6	10	12	20	6	10	9.9						
Wheel base mm	475	700	475	700	495	730	495	730	495	730	495	730	730						
Flange width b mm	200	300	200	300	200	300	200	300	200	300	200	300	200	300	200	300			
max. wheel load in kg	R1	943	848	1035	935	1363	1265	1552	1449	1559	1374	1666	1472	2124	1936	2449	2254	1214	1020
	R2	331	259	729	570	512	454	1219	942	906									
	R3	188	92	575	389	292	197	988	672	650									
	R4	812	902	1226	1412	1198	1293	1753	2069	840									
	R5	208	180	212	161	205	157	210	159	331	237	340	243	331	237	340	243	331	243

Type	EKDR 10												
Reeving	2/1				4/1				4/2				
SWL t	5/2 m				10/2 m				5/2 m				
Hook path m	12	20	6	10	5.8	11.35							
Wheel base mm	590	850	590	850	590	850							
Flange width b mm	200	300	200	300	200	300	200	300	200	300	200	300	
max. wheel load in kg	R1	2840	2541	3078	2754	3922	3606	4583	4259	2327	2028	2340	2016
	R2	947	812	2396	1828	1460	1550						
	R3	631	438	2059	1430	1144	1176						
	R4	2269	2462	3341	3971	1756	1724						
	R5	593	395	573	411	593	395	573	411	556	407	584	422



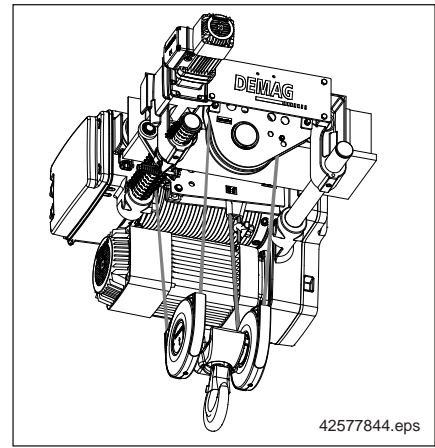
42577844.eps

EKDR 3 low-headroom monorail hoist

SWL [t]	Type FEM	Hook path [m]	Hoist speed [m/min]	Cross travel speed [m/min]	Flange width [mm]	Reeving	Weight [kg]	
1	EKDR 3 Pro 4m	12	12/2; 18/3	5-30	200-420	2/1	235	
			1-25				261	
		20	12/2; 18/3				252	
			1-25				277	
1.25	EKDR 3 Pro 3m	12	12/2; 18/3	5-30	200-420	2/1	235	
			1-25				261	
		20	12/2; 18/3				252	
			1-25				277	
1.6	EKDR 3 Pro 2m	12	12/2; 18/3	5-30	200-420	2/1	235	
			1-25				261	
		20	12/2; 18/3				252	
			1-25				277	
2	EKDR 3 Com 1Am	6	4.5/0.8	1.5-20	200-420	4/1	256	
			6/1; 9/1.5				256	
	EKDR 3 Pro 4m	6	6/1; 9/1.5	5-30	200-420	4/1	282	
			0.5-12.5				275	
		10	6/1; 9/1.5				300	
			0.5-12.5				300	
	2.5	EKDR 3 Com 1Am	6	4.5/0.8	1.5-20	200-420	4/1	256
				6/1; 9/1.5				256
EKDR 3 Pro 3m		6	6/1; 9/1.5	5-30	200-420	4/1	282	
			0.5-12.5				275	
		10	6/1; 9/1.5				300	
			0.5-12.5				300	
3.2		EKDR 3 Com 1Am	6	4.5/0.8	1.5-20	200-420	4/1	256
				6/1; 9/1.5				256
	EKDR 3 Pro 2m	6	6/1; 9/1.5	5-30	200-420	4/1	282	
			0.5-12.5				275	
		10	6/1; 9/1.5				300	
			0.5-12.5				300	

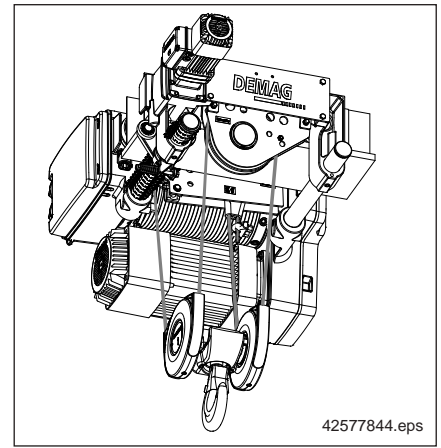
Hook dimension C from girder running surface

Group of mechanisms FEM / ISO	Reeving	Flange width b in mm 1)											
		200	220	240	260	280	300	320	340	360	380	400	420
2m/M5, 3m/M6, 4m/M7	2/1	530						545	560	575	590	600	615
	4/1	490	470	450	430	410	390	405	420	435	450	465	480



EKDR 5 low-headroom monorail hoist

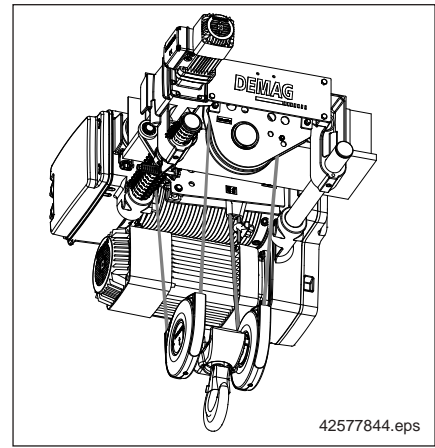
SWL [t]	Type FEM	Hook path [m]	Hoist speed [m/min]	Cross travel speed [m/min]	Flange width [mm]	Reeving	Weight [kg]		
1.6	EKDR 5 Pro 4m	9.9	12/2	5-30	200-420	4/2	358		
			18/3				412		
			1-25				438		
		12	12/2	5-30	200-420	2/1	323		
			18/3				376		
			1-25				400		
		20	12/2; 18/3	5-30	200-420	2/1	348		
			18/3				402		
			1-25				428		
		2	EKDR 5 Pro 3m	9.9	12/2	5-30	200-420	4/2	358
					18/3				412
					1-25				438
12	12/2			5-30	200-420	2/1	323		
	18/3						376		
	1-25						400		
20	12/2			5-30	200-420	2/1	348		
	18/3						402		
	1-25						428		
2.5	EKDR 5 Pro 2m			9.9	12/2	5-30	200-420	4/2	358
					18/3				412
					1-25				438
		12	12/2	5-30	200-420	2/1	323		
			18/3				376		
			1-25				400		
		20	12/2	5-30	200-420	2/1	348		
			18/3				402		
			1-25				428		
		3.2	EKDR 5 Pro 4m	6	6/1	5-30	200-420	4/1	344
					9/1.5				398
					0.5-12.5				422
10	6/1			5-30	200-420	4/1	373		
	9/1.5						427		
	0.5-12.5						453		



SWL [t]	Type FEM	Hook path [m]	Hoist speed [m/min]	Cross travel speed [m/min]	Flange width [mm]	Reeving	Weight [kg]
4	EKDR 5 Com 1Am	6	4.5/0.8	1.5-20	200-420	4/1	344
	EKDR 5 Pro 3m	6	6/1	5-30	200-420	4/1	344
			9/1.5				398
			0.5-12.5				422
		10	6/1				373
			9/1.5				427
			0.5-12.5				453
5	EKDR 5 Com 1Am	6	4.5/0.8	1.5-20	200-420	4/1	344
	EKDR 5 Pro 2m	6	6/1	5-30	200-420	4/1	344
			9/1.5				398
			0.5-12.5				422
		10	6/1				373
			9/1.5				427
			0.5-12.5				453

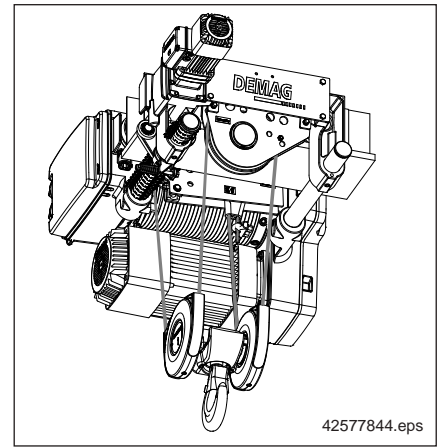
Hook dimension C from girder running surface

Group of mechanisms FEM / ISO	Reeving	Flange width b in mm 1)											
		200	220	240	260	280	300	320	340	360	380	400	420
2m/M5, 3m/M6	2/1	540						555	570	585	600	615	630
	4/1	540	515	490	465	440	415	430	445	460	475	490	505
	4/2	580						595	610	625	640	655	670
4m/M7	2/1	650											
	4/1	550											
	4/2	580						595	610	625	640	655	670



EKDR 10 low-headroom monorail hoist

SWL [t]	Type FEM	Hook path [m]	Hoist speed [m/min]	Cross travel speed [m/min]	Flange width [mm]	Reeving	Weight [kg]
3.2	EKDR 10 Pro 4m	12	10/1.7	5-30	200-420	2/1	537
			1-18; 1-25				575
		20	10/1.7				567
			1-18; 1-25				599
		40	10/1.7				492
			1-18; 1-25				539
	EKDR 10 Pro 4m	5.8	10/1.7	5-30	200-420	4/2	557
			1-18; 1-25				595
		11.35	10/1.7				587
			1-18; 1-25				619
		25.2	10/1.7				526
			1-18; 1-25				569
4	EKDR 10 Pro 4m	12	10/1.7	5-30	200-420	2/1	537
			1-18; 1-25				575
		20	10/1.7				567
			1-18; 1-25				599
		40	10/1.7				492
			1-18; 1-25				539
	EKDR 10 Pro 3m	5.8	10/1.7	5-30	200-420	4/2	557
			1-18; 1-25				595
		11.35	10/1.7				587
			1-18; 1-25				619
		25.2	10/1.7				526
			1-18; 1-25				569
5	EKDR 10 Pro 3m	12	10/1.7	5-30	200-420	2/1	537
			1-18; 1-25				575
		20	10/1.7				567
			1-18; 1-25				599
		40	10/1.7				492
			1-18; 1-25				539
	EKDR 10 Pro 2m	5.8	10/1.7	5-30	200-420	4/2	557
			1-18; 1-25				595
		11.35	10/1.7				587
			1-18; 1-25				619
		25.2	10/1.7				526
			1-18; 1-25				569



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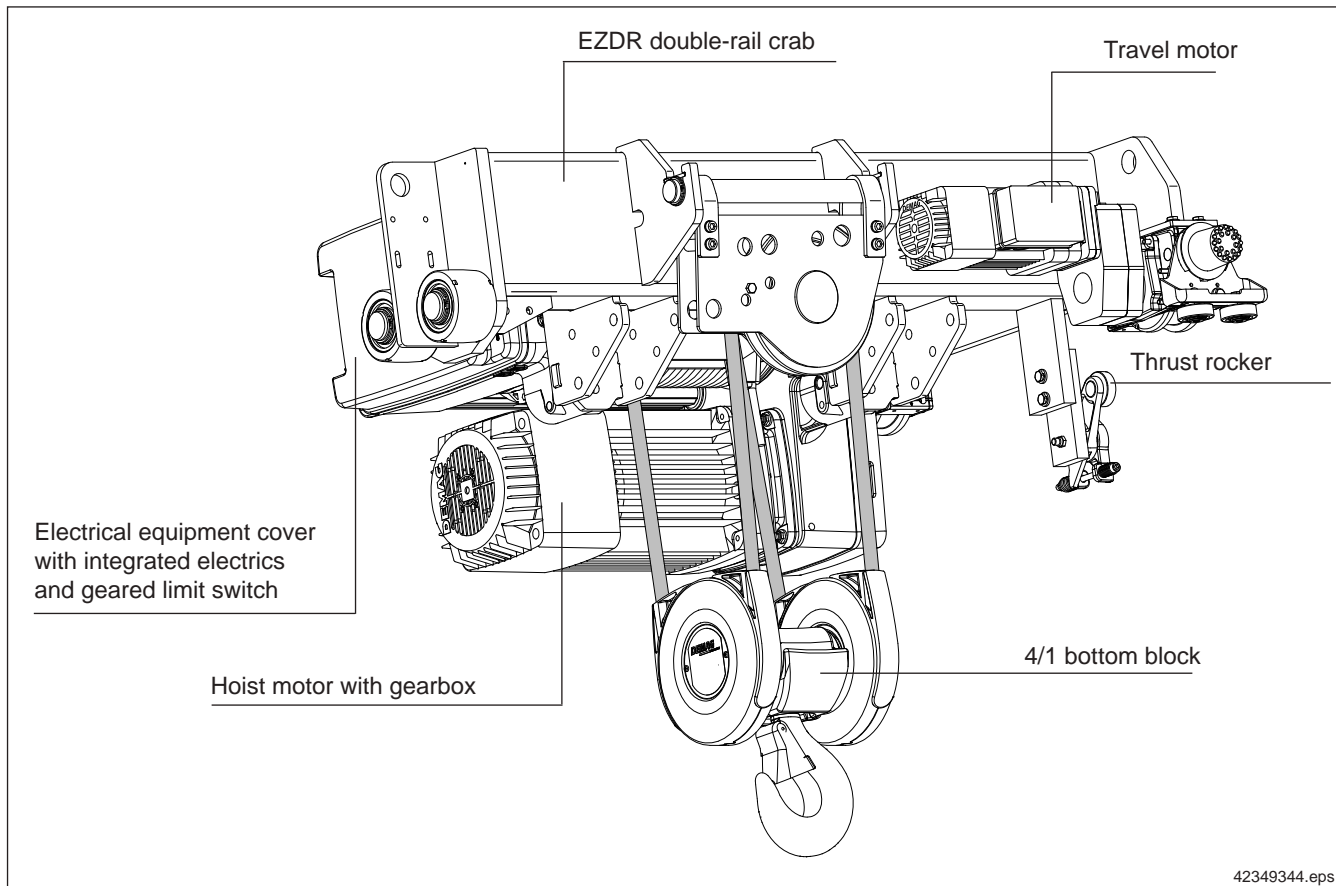
SWL [t]	Type FEM	Hook path [m]	Hoist speed [m/min]	Cross travel speed [m/min]	Flange width [mm]	Reeving	Weight [kg]	
6.3	EKDR 10 Com 1Am	6	4/0.7	1.5-20	200-420	4/1	575	
		10					610	
	EKDR 10 Pro 2m	6	5/0.8	5-30	200-420	4/1	575	
			1-9; 0.5-12.5				613	
		10	5/0.8				628	
			1-9; 0.5-12.5				660	
		20	5/0.8				760	
			1-9; 0.5-12.5				777	
	8	EKDR 10 Com 1Am	6	4/0.7	1.5-20	200-420	4/1	575
			10					610
EKDR 10 Pro 3m		6	5/0.8	5-30	200-420	4/1	575	
			1-9; 0.5-12.5				613	
		10	5/0.8				628	
			1-9; 0.5-12.5				660	
		20	5/0.8				760	
			1-9; 0.5-12.5				777	
10		EKDR 10 Com 1Am	6	4/0.7	1.5-20	200-420	4/1	575
			10					610
	EKDR 10 Pro 2m	6	5/0.8	5-30	200-420	4/1	575	
			1-9; 0.5-12.5				613	
		10	5/0.8				628	
			1-9; 0.5-12.5				660	
		20	5/0.8				760	
			1-9; 0.5-12.5				777	

Hook dimension C from girder running surface

Group of mechanisms FEM / ISO	Reeving	Flange width b in mm 1)											
		200	220	240	260	280	300	320	340	360	380	400	420
2m/M5, 3m/M6	2/1	650						670	690	710	730	750	770
	4/1	650	625	600	575	550	525	550	575	600	625	650	675
	4/2	565						585	605	625	645	665	685
4m/M7	2/1	750											
	4/1	750											
	4/2	565						585	605	625	645	665	685

EZDR 5, 10 double-rail crab

Designation / Description / Model code

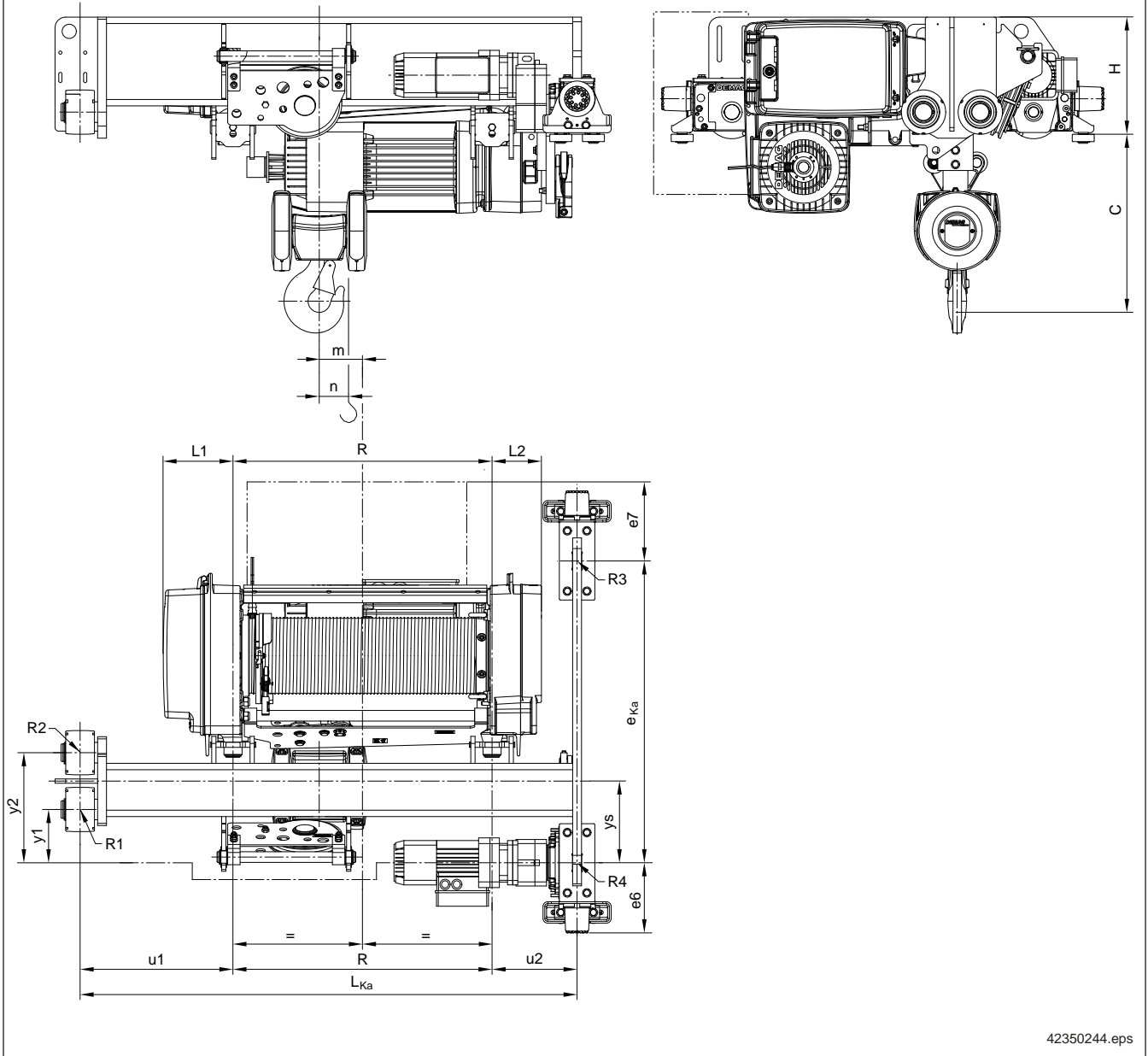


Explanation of size designation / type assignment

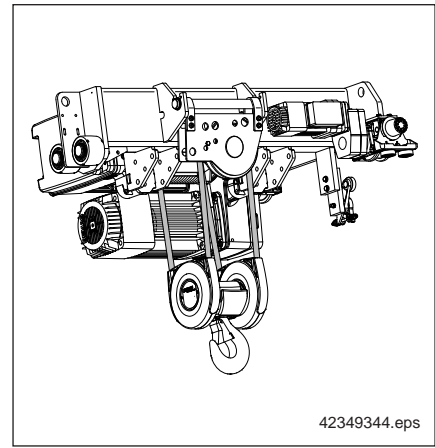
E	Z	DR-Pro	10 -	10	4/1 -	6	Z -	6/1 -	400 -	00 -	50 -	30	1400	45	
															Rail head width in mm
															Track gauge or flange width of the girder in mm or girder section and size (IPE240)
															Maximum cross-travel speed in m/min
															Frequency [Hz]
															Electrical equipment code 1)
															Operating voltage [V]
															Hoist speed in m/min
															Motor type: Z = cylindrical rotor
															Hook path in m
															Reeving
															SWL in t
															Range 5; 10
															Demag rope hoist
															K = Low-headroom monorail hoist Z = Double-rail crab F = Stationary
															E = Electric travel unit

- 1) Code 00 Prepared for electrical equipment supplied by the customer
 Code 01 EZDR with internal electrics for application on a crane Including crane bridge housing and DSE-8R or DSE-10R control pendant with control cable.
 Code 02 EZDR with solo electrical equipment for application as a solo travelling hoist. Including DSE-8R or DSE-10R control pendant with control cable.
 Code 03 As for code 01 but control via a DRC radio control system.
 Code 04 As for code 02 but control via a DRC radio control system.
 Code 05 EZDR with fitted "in" parallel interface.

Example EZDR 5 - Pro double-rail crab



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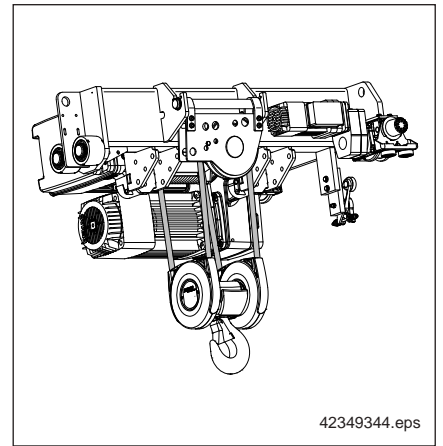
EZDR 5 - 2/1 - 4/1 - 4/2 double-rail crab

Dimensions in mm

Rope reeving		4/1		2/1		4/2
Drum length		H12	H20	H12	H20	H20
	R	495	730	495	730	730
	m	52	169	132	250	-14.5
	n	88	147	175	293	-
	e _{Ka}	850		850		850
	e6 3)	200		200		200
	e7	220		220		220
	L1	197		197		197
	L2	145		145		145
	H 1)	340		340		340
	C	440		440		440
Track gauge L_{Ka}						
1400	y1	150		150		-
	y2	310		310		
	ys	230		230		
	u1	460.3	430.5	497	438.5	
	u2	444.5	239.5	408	231.5	
2240	y1	150		150		150
	y2	310		310		310
	ys	230		230		230
	u1	880.5	850.5	917	858.5	740.5
	u2	864.5	659.5	828	651.5	769.5
2800	y1	150		150		150
	y2	310		310		310
	ys	230		230		230
	u1	1160.5	1130.5	1197	1138.5	1020.5
	u2	1144.5	939.5	1108	931.5	1049.5
Cross-travel speed	m/min	5-30 (infinitely variable)		5-30 (infinitely variable)		5-30 (infinitely variable)

1) Height +35 mm with hoist inverter fitted
Height +75 mm with travel limit switch fitted above drum

3) Buffer DPZ 70
Wheel blocks (with guide rollers) travel wheel diameter 125 mm
Rail head width min. 45 mm, max. 55 mm

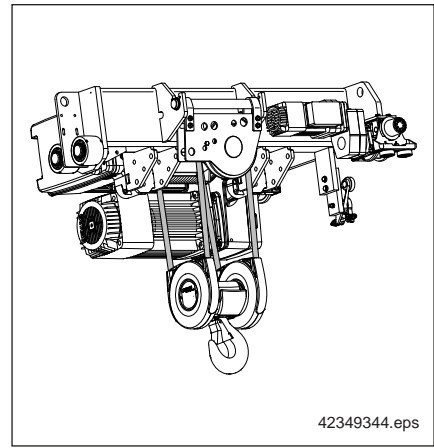


EZDR 10 - 2/1 - 4/1 - 4/2 double-rail crab

Dimensions in mm

Rope reeving		4/1			2/1			4/2		
Drum length		H12	H20	H40	H12	H20	H40	H12	H20	H40
	R	590	850	1500	590	850		590	850	1500
	m	52	182	507	146	276		-25		
	n	99	165	326	197	328		0		
	e _{Ka}	850			850			850		
	e6 3)	200			200			200		
	e7	300			300			220		
	L1	181			181			197		
	L2	170			170			145		
	H 1)	340			340			340		
	C 2)	520 (620)			660 (760)			440		
Track gauge L_{Ka}										
1400	y1	150			150		150			
	y2	310			310		310			
	ys	230			247.5		247.5			
	u1	407.5	280.5		430	280.5	300			
	u2	402.5	269.5		380	269.5	510			
2240	y1	150		150		150				
	y2	310		310		310				
	ys	230		209	247.5		247.5			
	u1	827.5	794.5	460	872.5	807	800	670	345	
	u2	822.5	595.5	280	777.5	583	850	720	395	
2800	y1	150		150		150				
	y2	310		310		310				
	ys	230		209	247.5		247.5			
	u1	1107.5	1074.5	1020	1152.5	1087	1080	950	625	
	u2	1102.5	875.5	280	1057.5	863	1130	1000	675	
Cross-travel speed	m/min	5-30 (infinitely variable)			5-30 (infinitely variable)			5-30 (infinitely variable)		

- 1) Height +40 mm with hoist inverter fitted
Height +75 mm with travel limit switch fitted above drum
- 2) Dimensions in brackets apply to group of mechanisms 4m / M7
- 3) Buffer DPZ 70
Wheel blocks (with guide rollers) travel wheel diameter 125 mm
Rail head width min. 45 mm, max. 55 mm



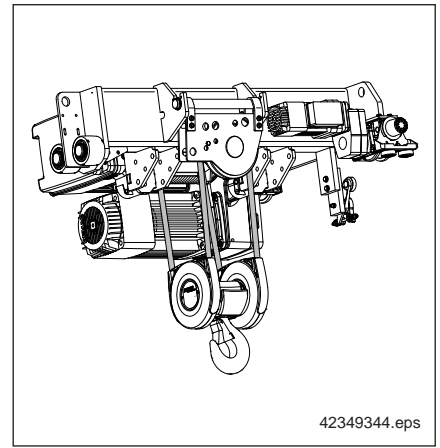
EZDR 10 - 6/1 double-rail crab

Dimensions in mm

Rope reeving		6/1	
Drum length		H20	H40
Max. hook path m		6.71	13.37
	R	850	1500
	n	109	217
	e _{Ka}	1100	
	e6 3)	270	
	e7	410	
	L1	181	
	L2	170	
	L3	590	
	H 1)	465	
	C	740	
	y1	370	
	y2	630	
	y3	200	
	ys	500	
Track gauge L_{Ka}			
	u1	308	
1400	u2	242	-
	m	237.5	
	u1	878	498
2240	u2	512	242
	m	237.5	563
	u1	1158	1058
2800	u2	792	242
	m	237.5	563
	Cross-travel speed	m/min	5-25 (infinitely variable)

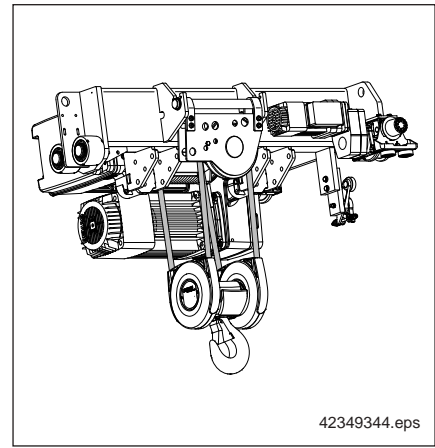
1) Height +40 mm with hoist inverter fitted
Height +75 mm with travel limit switch fitted

3) Buffer DPZ 100
Wheel blocks (with guide rollers) travel wheel diameter 160 mm
Rail head width min. 45 mm, max. 60 mm

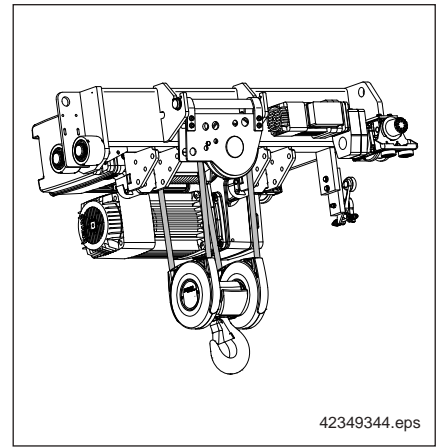


Wheel loads

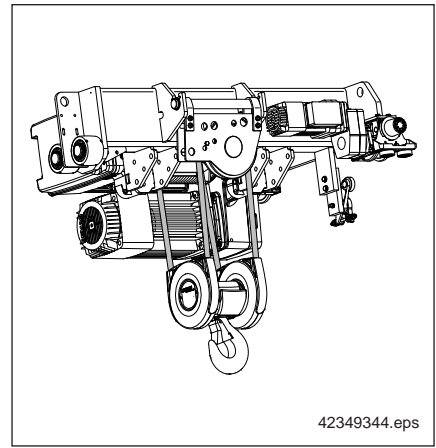
SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
1.6	EZDR 5 Pro 4m	2/1	12	1400	467	634	484	707	12/2; 18/3	490
					475	642	498	709	1-25	510
				2240	458	619	510	739	12/2; 18/3	530
					464	625	523	743	1-25	550
			2800	459	617	526	752	12/2; 18/3	560	
				465	623	538	753	1-25	580	
			20	1400	498	679	473	663	12/2; 18/3	510
					501	682	505	646	1-25	530
		2240		480	650	511	712	12/2; 18/3	550	
				482	652	544	696	1-25	570	
		2800	477	644	532	731	12/2; 18/3	580		
			479	646	563	714	1-25	600		
		4/2	9.9	1400	-					
				2240	437	587	542	786	12/2; 18/3	550
					439	589	575	770	1-25	570
				2800	444	594	556	789	12/2; 18/3	580
446	596	587	772		1-25	600				
2	EZDR 5 Pro 3m	2/1	12	1400	558	768	534	831	12/2; 18/3	490
					566	776	548	833	1-25	510
				2240	545	747	563	870	12/2; 18/3	530
					551	753	576	874	1-25	550
			2800	545	743	580	886	12/2; 18/3	560	
				551	749	592	887	1-25	580	
			20	1400	596	822	519	775	12/2; 18/3	510
					599	825	551	758	1-25	530
		2240		572	784	561	835	12/2; 18/3	550	
				574	786	594	819	1-25	570	
		2800	567	775	583	858	12/2; 18/3	580		
			569	777	614	841	1-25	600		
		4/2	9.9	1400	-					
				2240	518	706	599	929	12/2; 18/3	550
					520	708	632	913	1-25	570
				2800	525	713	613	932	12/2; 18/3	580
527	715	644	915		1-25	600				
2.5	EZDR 5 Pro 2m	2/1	12	1400	673	935	597	987	12/2; 18/3	490
					681	943	611	989	1-25	510
				2240	655	907	630	1034	12/2; 18/3	530
					661	913	643	1038	1-25	550
				2800	653	901	648	1053	12/2; 18/3	560
					659	907	660	1054	1-25	580



SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
2.5	EZDR 5 Pro 2m	2/1	20	1400	719	1002	576	916	12/2; 18/3	510
					722	1005	608	899	1-25	530
				2240	687	952	624	990	12/2; 18/3	550
					689	954	657	974	1-25	570
				2800	679	939	648	1018	12/2; 18/3	580
					681	941	679	1001	1-25	600
		4/2	9.9	1400	-					
					2240	620	854	671	1107	12/2; 18/3
				622		856	704	1091	1-25	570
				2800	627	861	685	1110	12/2; 18/3	580
					629	863	716	1093	1-25	600
				3.2	EZDR 5 Pro 4m	4/1	6	1400	956	956
960	960	706	1308						0.5-12.5	530
2240	945	945	706					1337	6/1; 9/1.5	550
	949	949	716					1339	0.5-12.5	570
2800	945	945	743					1350	6/1; 9/1.5	580
	949	949	752					1352	0.5-12.5	600
10	1400	990	990				688	1257	6/1; 9/1.5	530
		996	996				725	1242	0.5-12.5	560
	2240	967	967				726	1310	6/1; 9/1.5	570
		971	971				761	1294	0.5-12.5	600
	2800	965	965				745	1329	6/1; 9/1.5	600
		968	968				783	1313	0.5-12.5	630
EZDR 10 Pro 4m	2/1	12	1400		857	1266	721	1161	10/1.7	608
					866	1275	739	1164	1-18; 1-25	646
			2240		810	1191	781	1262	10/1.7	647
					818	1199	798	1266	1-18; 1-25	684
			2800		807	1181	801	1286	10/1.7	678
					816	1190	819	1288	1-18; 1-25	716
		20	1400		995	1478	633	922	10/1.7	632
					1001	1484	678	902	1-18; 1-25	669
			2240		853	1253	765	1201	10/1.7	674
					861	1261	814	1181	1-18; 1-25	717
			2800		841	1231	795	1236	10/1.7	702
					846	1236	841	1217	1-18; 1-25	739
40	1400	-								
		2240	1056	1581	666	861	10/1.7	765		
	1062		1587	715	837	1-18; 1-25	802			
	2800	885	1304	815	1192	10/1.7	795			
		890	1309	866	1168	1-18; 1-25	832			

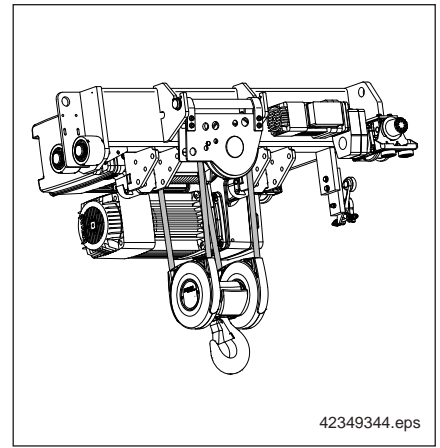


SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
3.2	EZDR 10 Pro 4m	4/2	5.8	1400	830	1220	748	1233	10/1.7	647
					772	1124	857	1371	1-18; 1-25	724
				2800	770	1122	855	1370	10/1.7	717
					778	1130	872	1374	1-18; 1-25	754
			11.35	1400	-					
					2240	769	1121	855	1369	10/1.7
				775	1127	905	1350	1-18; 1-25	757	
				2800	775	1127	869	1373	10/1.7	744
					781	1133	919	1354	1-18; 1-25	787
				25.2	1400	-				
			2240			787	1139	890	1382	10/1.7
			794		1146	952	1358	1-18; 1-25	850	
2800	794	1146	912		1385	10/1.7	837			
	800	1152	967	1361	1-18; 1-25	880				
4	EZDR 5 Com 1Am	4/1	6	1400	1169	1169	798	1579	4.5/0.8	510
				2240	1153	1153	805	1617		550
				2800	1151	1151	848	1632		580
			10	1400	1211	1211	785	1518		530
				2240	1180	1180	827	1583		570
				2800	1175	1175	847	1606		600
	EZDR 5 Pro 3m	4/1	6	1400	1169	1169	798	1579	6/1; 9/1.5	510
					1173	1173	808	1582	0.5-12.5	530
				2240	1153	1153	805	1617	6/1; 9/1.5	550
					1157	1157	815	1619	0.5-12.5	570
				2800	1151	1151	848	1632	6/1; 9/1.5	580
					1155	1155	857	1634	0.5-12.5	600
			10	1400	1211	1211	785	1518	6/1; 9/1.5	530
					1217	1217	822	1503	0.5-12.5	560
				2240	1180	1180	827	1583	6/1; 9/1.5	570
					1184	1184	862	1567	0.5-12.5	600
				2800	1175	1175	847	1606	6/1; 9/1.5	600
					1178	1178	885	1590	0.5-12.5	630
EZDR 10 Pro 3m	2/1	12	1400	1040	1552	817	1395	10/1.7	608	
				1049	1561	835	1398	1-18; 1-25	646	
			2240	980	1456	887	1520	10/1.7	647	
				988	1464	904	1524	1-18; 1-25	684	
			2800	974	1442	909	1549	10/1.7	678	
				983	1451	927	1551	1-18; 1-25	716	

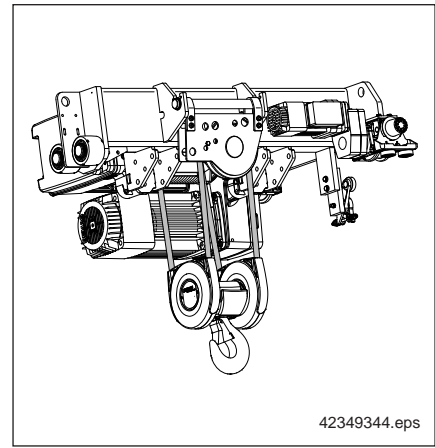


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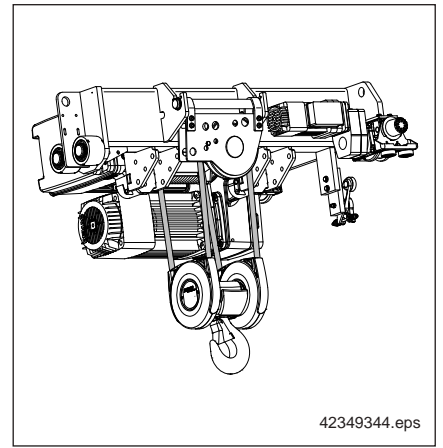
SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]	
					R1	R2	R3	R4			
4	EZDR 10 Pro 3m	2/1	20	1400	1212	1816	704	1096	10/1.7	632	
					1218	1822	749	1076	1-18; 1-25	669	
				2240	1032	1532	864	1443	10/1.7	674	
					1040	1540	913	1423	1-18; 1-25	717	
				2800	1015	1503	898	1486	10/1.7	702	
					1020	1508	944	1467	1-18; 1-25	739	
	EZDR 10 Pro 3m	2/1	40	1400	-						
					1282	1938	730	1015	10/1.7	765	
				2240	1288	1944	779	991	1-18; 1-25	802	
					1065	1589	912	1428	10/1.7	795	
				2800	1070	1594	963	1404	1-18; 1-25	832	
					1400	1004	1492	851	1484	10/1.7	647
		2240	1012	1500	888	1488	1-18; 1-25	684			
			920	1360	957	1649	10/1.7	687			
		2800	928	1368	974	1654	1-18; 1-25	724			
			926	1366	972	1653	10/1.7	717			
		2800	934	1374	989	1657	1-18; 1-25	754			
			4/2	11.35	1400	-					
		925				1365	972	1652	10/1.7	714	
		2240			931	1371	1022	1633	1-18; 1-25	757	
					931	1371	986	1656	10/1.7	744	
		2800			937	1377	1036	1637	1-18; 1-25	787	
					25.2	1400	-				
		943	1383	1007			1665	10/1.7	807		
2240		950	1390	1069		1641	1-18; 1-25	850			
		950	1390	1029		1668	10/1.7	837			
2800		956	1396	1084	1644	1-18; 1-25	880				
		EZDR 5 Com 1Am	4/1	6	1400	1435	1435	925	1921	4.5/0.8	510
2240						1413	1413	929	1967		550
2800						1409	1409	979	1985		580
10	1400			1487	1487	906	1844	530			
	2240			1446	1446	953	1924	570			
	2800			1438	1438	975	1952	600			
EZDR 5 Pro 2m	4/1	6	1400	1435	1435	925	1921	6/1; 9/1.5	510		
				1439	1439	935	1924	0.5-12.5	530		
			2240	1413	1413	929	1967	6/1; 9/1.5	550		
				1417	1417	939	1969	0.5-12.5	570		
			2800	1409	1409	979	1985	6/1; 9/1.5	580		
				1413	1413	988	1987	0.5-12.5	600		
		10	1400	1487	1487	906	1844	6/1; 9/1.5	530		
				1493	1493	943	1829	0.5-12.5	560		
			2240	1446	1446	953	1924	6/1; 9/1.5	570		
				1450	1450	988	1908	0.5-12.5	600		
			2800	1438	1438	975	1952	6/1; 9/1.5	600		
				1441	1441	1013	1936	0.5-12.5	630		



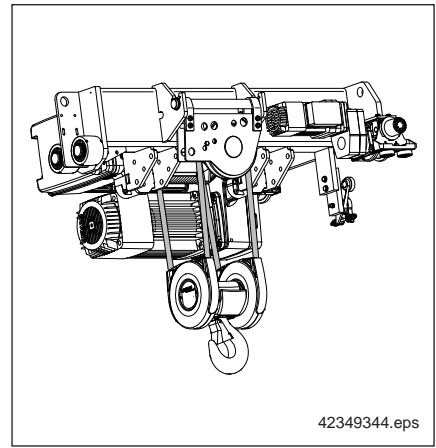
SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
5	EZDR 10 Pro 2m	2/1	12	1400	1269	1909	937	1688	10/1.7	608
					1278	1918	955	1691	1-18; 1-25	646
				2240	1192	1787	1020	1843	10/1.7	647
					1200	1795	1037	1847	1-18; 1-25	684
				2800	1183	1768	1044	1878	10/1.7	678
					1192	1777	1062	1880	1-18; 1-25	716
			20	1400	1483	2238	793	1313	10/1.7	632
					1489	2244	838	1293	1-18; 1-25	669
				2240	1256	1881	988	1746	10/1.7	674
					1264	1889	1037	1726	1-18; 1-25	717
				2800	1233	1843	1027	1799	10/1.7	702
					1238	1848	1073	1780	1-18; 1-25	739
		40	1400	-						
				2240	1564	2384	809	1208	10/1.7	765
			1570		2390	858	1184	1-18; 1-25	802	
			2800	1291	1946	1034	1724	10/1.7	795	
				1296	1951	1085	1700	1-18; 1-25	832	
			4/2	5.8	1400	1222	1832	980	1798	10/1.7
		1230				1840	1017	1802	1-18; 1-25	684
		2240			1115	1665	1103	2003	10/1.7	687
					1123	1673	1120	2008	1-18; 1-25	724
		2800			1121	1671	1118	2007	10/1.7	717
					1129	1679	1135	2011	1-18; 1-25	754
		11.35		1400	-					
2240	1120				1670	1118	2006	10/1.7	714	
	1126			1676	1168	1987	1-18; 1-25	757		
2800	1126			1676	1132	2010	10/1.7	744		
	1132			1682	1182	1991	1-18; 1-25	787		
25.2	1400			-						
		2240	1138	1688	1153	2019	10/1.7	807		
	1145		1695	1215	1995	1-18; 1-25	850			
	2800	1145	1695	1175	2022	10/1.7	837			
1151		1701	1230	1998	1-18; 1-25	880				
6.3	EZDR 10 Com 1Am	4/1	6	1400	2104	2104	991	1948	4/0.7	647
				2240	1828	1828	1161	2362		687
				2800	1819	1819	1194	2399		730
			10	1400	1824	1824	1162	2367		674
				2240	1789	1789	1201	2435		714
				2800	1786	1786	1233	2459		757



SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
6.3	EZDR 10 Pro 4m	4/1	10	1400	2108	2108	1004	1952	5.0/0.8	672		
					2113	2113	1050	1933	1-9; 0.5-12.5	709		
				2240	1833	1833	1176	2365	5/0.8	714		
					1839	1839	1226	2346	1-9; 0.5-12.5	757		
				2800	1824	1824	1208	2402	5/0.8	757		
					1830	1830	1259	2382	1-9; 0.5-12.5	800		
			20	1400	-							
					2891	1757	918	1741	5/0.8	807		
				2240	2898	1764	971	1717	1-9; 0.5-12.5	850		
					2353	1446	1150	2395	5/0.8	850		
				2800	2359	1452	1206	2370	1-9; 0.5-12.5	893		
8	EZDR 10 Com 1Am	4/1	6	1400	2636	2636	1163	2412	4/0.7	647		
				2240	2284	2284	1373	2937		687		
				2800	2269	2269	1410	2982		730		
			10	1400	2280	2280	1376	2943		674		
				2240	2233	2233	1420	3028		714		
				2800	2226	2226	1456	3057		757		
			EZDR 10 Pro 3m	4/1	6	1400	2276	2276	1363	2941	5/0.8	648
							2284	2284	1380	2946	1-9; 0.5-12.5	686
						2240	2228	2228	1405	3025	5/0.8	687
							2236	2236	1422	3030	1-9; 0.5-12.5	724
						2800	2221	2221	1442	3054	5/0.8	730
							2229	2229	1459	3058	1-9; 0.5-12.5	767
	10	1400			2640	2640	1176	2416	5/0.8	672		
					2645	2645	1222	2397	1-9; 0.5-12.5	709		
		2240			2289	2289	1388	2940	5/0.8	714		
					2295	2295	1438	2921	1-9; 0.5-12.5	757		
		2800			2274	2274	1424	2985	5/0.8	757		
					2280	2280	1475	2965	1-9; 0.5-12.5	800		
	20	1400	-									
			3627	2187	1050	2143	5/0.8	807				
		2240	3634	2194	1103	2119	1-9; 0.5-12.5	850				
			2941	1789	1339	2973	5/0.8	850				
		2800	2947	1795	1395	2948	1-9; 0.5-12.5	893				
10	EZDR 10 Com 1Am	4/1	6	1400	3262	3262	1365	2958	4/0.7	647		
				2240	2820	2820	1623	3613		687		
				2800	2799	2799	1664	3668		730		
			10	1400	2816	2816	1628	3621		674		
				2240	2755	2755	1678	3726		714		
				2800	2744	2744	1718	3761		757		



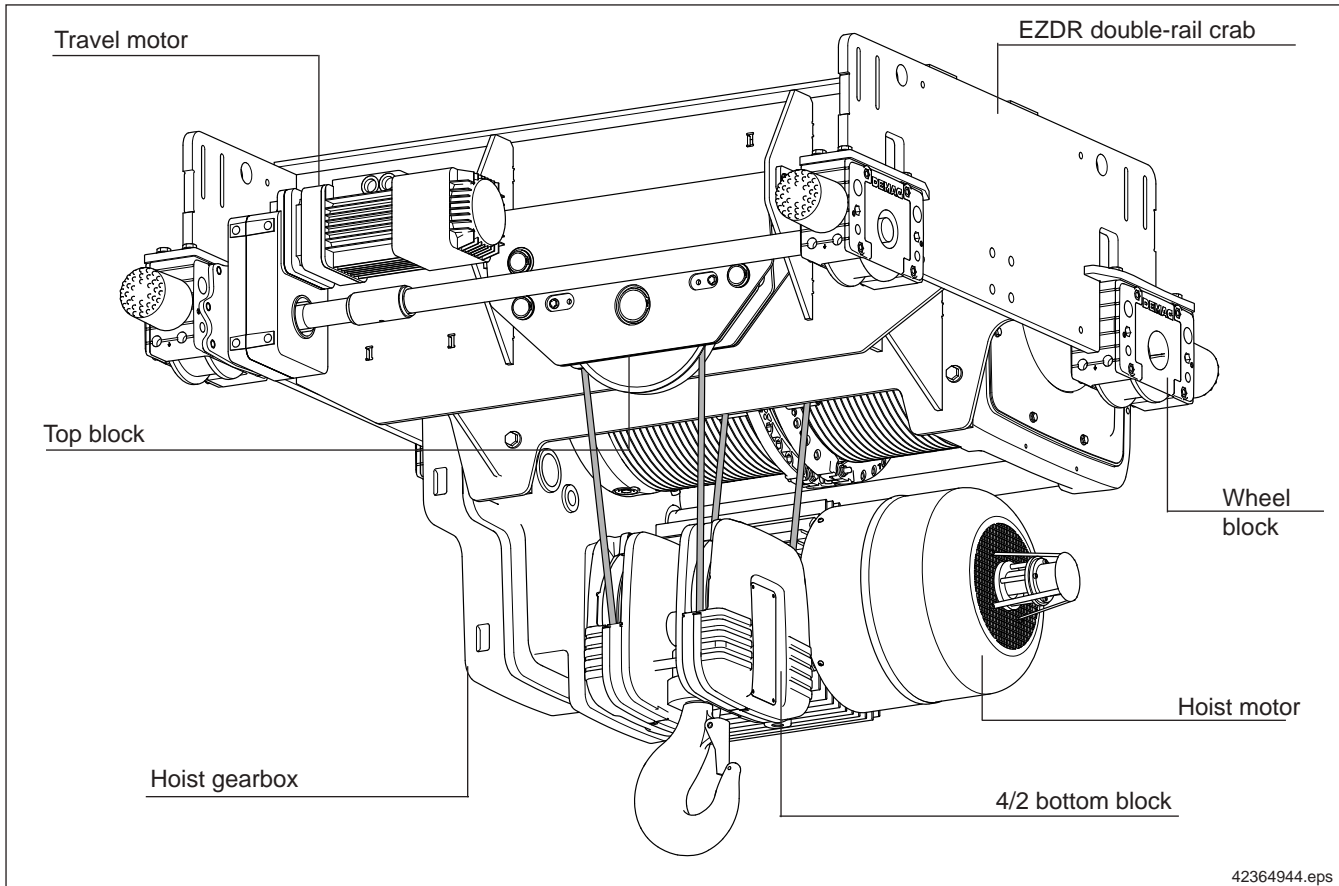
SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
10	EZDR 10 Pro 2m	4/1	6	1400	2812	2812	1615	3619	5/0.8	648
					2820	2820	1632	3624	1-9; 0.5-12.5	686
				2240	2750	2750	1663	3723	5/0.8	687
					2758	2758	1680	3728	1-9; 0.5-12.5	724
				2800	2739	2739	1704	3758	5/0.8	730
					2747	2747	1721	3762	1-9; 0.5-12.5	767
			10	1400	3266	3266	1378	2962	5/0.8	672
					3271	3271	1424	2943	1-9; 0.5-12.5	709
				2240	2825	2825	1638	3616	5/0.8	714
					2831	2831	1688	3597	1-9; 0.5-12.5	757
				2800	2804	2804	1678	3671	5/0.8	757
					2810	2810	1729	3651	1-9; 0.5-12.5	800
	20	1400	-							
			4493	2693	1204	2617	5/0.8	807		
		2240	4500	2700	1257	2593	1-9; 0.5-12.5	850		
			3633	2193	1561	3653	5/0.8	850		
		2800	3639	2199	1617	3628	1-9; 0.5-12.5	893		
			-							
	EZDR 10 Pro 4m	6/1	6.7	1400	3449	3338	1991	2335	2.7/0.4	814
					3462	3338	2015	2336	0.4-6	851
				2240	2842	2732	2561	3016	2.7/0.4	859
					2855	2732	2583	3016	0.4-6	896
				2800	2863	2723	2560	3058	2.7/0.4	904
					2879	2723	2581	3357	0.4-6	941
13.3			1400	-						
				3734	3593	1840	2084	2.7/0.4	951	
			2240	3747	3593	1866	2084	0.4-6	988	
				3084	2904	2443	2864	2.7/0.4	996	
			2800	3101	2904	2472	2864	0.4-6	1033	
				-						
12.5	EZDR 10 Pro 3m	6/1	6.7	1400	4256.5	4145.5	2393.5	2820.5	2.7/0.4	814
					4269.5	4145.5	2417.5	2821.5	0.4-6	851
				2240	3497	3387	3101	3664	2.7/0.4	859
					3510	3387	3123	3664	0.4-6	896
				2800	3513	3373	3105	3713	2.7/0.4	904
					3529	3373	3126	4012	0.4-6	941
			13.3	1400	-					
					4602	4461	2188	2502	2.7/0.4	951
				2240	4615	4461	2214	2502	0.4-6	988
					3779	3599	2948	3472	2.7/0.4	996
				2800	3796	3599	2977	3472	0.4-6	1033
					-					



SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
16	EZDR 10 Pro 2m	6/1	6.7	1400	5387	5276	2957	3493	2.7/0.4	814
					5400	5276	2981	3494	0.4-6	851
				2240	4414	4304	3857	4570	2.7/0.4	859
					4427	4304	3879	4570	0.4-6	896
				2800	4423	4283	3868	4630	2.7/0.4	904
					4439	4283	3889	4929	0.4-6	941
			13.3	1400	-					
				2240	5816	5675	2674	3086	2.7/0.4	951
					5829	5675	2700	3086	0.4-6	988
				2800	4752	4572	3655	4322	2.7/0.4	996
					4769	4572	3684	4322	0.4-6	1033

EZDR 20 double-rail crab

Designation / Description / Model code



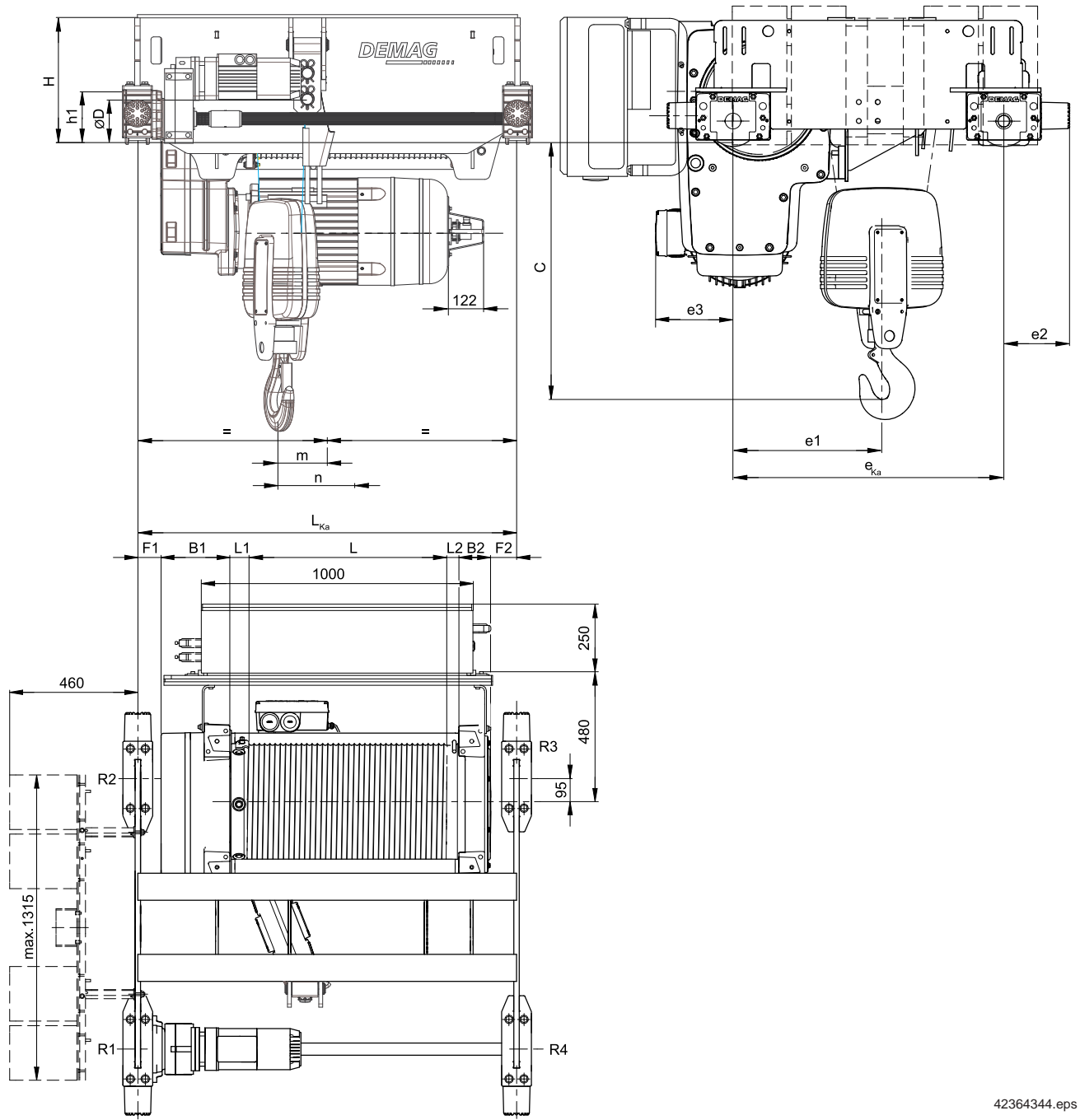
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Explanation of size designation / type assignment

E	Z	DR-Pro	20 -	10	4/1 -	6	Z -	6/1 -	400 -	00 -	50 -	30	1400	45	
														Rail head width in mm	Only for EZDR
														Track gauge in mm or flange width of the girder in mm or girder section and size (IPE240)	
														Maximum cross-travel speed in m/min	
														Frequency [Hz]	
														Electrical equipment code 1)	
														Operating voltage [V]	
														Hoist speed in m/min	
														Motor type: Z = cylindrical rotor	
														Hook path in m	
														Reeving	
														SWL in t	
														Range 20	
														Demag rope hoist	
														Z = Double-rail crab F = Stationary	
														E = Electric travel unit	

- 1) Code 00 Prepared for electrical equipment supplied by the customer
 Code 01 EZDR with internal electrics for application on a crane Including crane bridge housing and DSE-10R control pendant with control cable.
 Code 02 EZDR with solo electrical equipment for application as a solo travelling hoist. Including DSE-10R control pendant with control cable.
 Code 03 As for code 01 but control via a DRC radio control system.
 Code 04 As for code 02 but control via a DRC radio control system.
 Code 05 EZDR with fitted „in“ parallel interface.

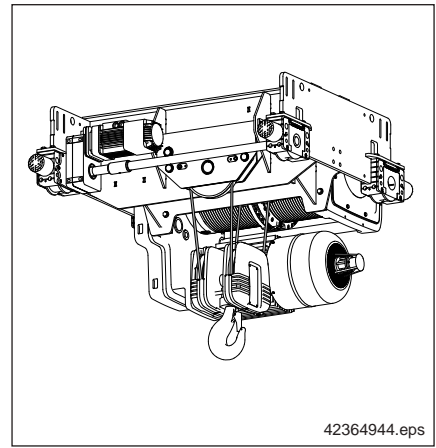
Example EZDR 20 - 2/1



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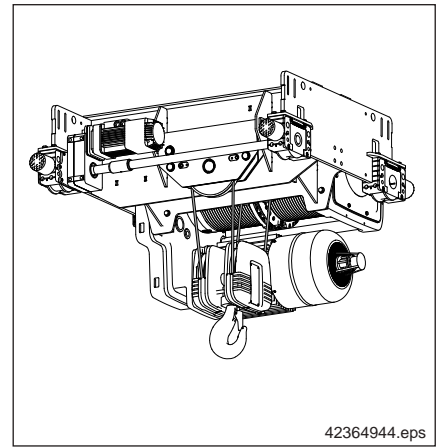
Type	FEM	SWL [t]	e_{Ka} [mm]	Cross travel speed [m/min]
EZDR Pro 20	4m	6.3	1000	0-25
	3m	8		
	2m	10		
	1Am/4m	12.5		
	3m	16	1350	
	2m / 4m	20		
	1Am/3m/4m	25		
	2m / 3m	32		
	1Am/2m	40		
1Am	50			

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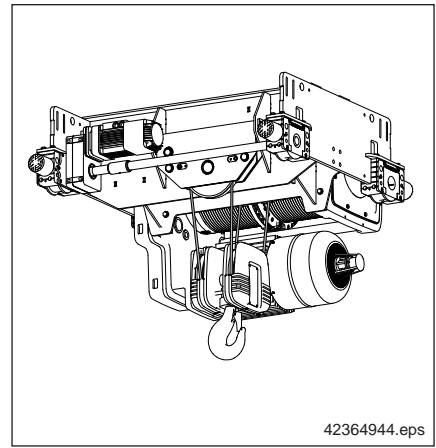
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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]	
					R1	R2	R3	R4			
6.3	EZDR 20 4m	2/1	24	1400	4445.5	4078	2662	2816.5	6/1	1502	
					4451.5	4143	2727	2822.5	12/2	1644	
					4475.5	4115	2664	2811.5	1-16 (22)	1566	
				2240	4171.5	3846	3021	3142.5	6/1	1681	
					4177.5	3911	3086	3148.5	12/2	1823	
					4201.5	3883	3023	3137.5	1-16 (22)	1745	
			2800	4089.5	3771.5	3121.5	3260.5	6/1	1743		
				4095.5	3836.5	3186.5	3266.5	12/2	1885		
				4119.5	3808.5	3123.5	3255.5	1-16 (22)	1807		
			36	1400	-	-	-	-	-	-	-
					2240	4451.5	4131	2856	2872.5	6/1	1811
						4457.5	4197	2922	2878.5	12/2	1955
				2800	4481.5	4159	2849	2867.5	1-16 (22)	1857	
					4319.5	4006.5	2994	3053	6/1	1873	
					4325.5	4072.5	3060	3059	12/2	2017	
			54	1400	-	-	-	-	-	-	-
					2240	5421	4997.5	2147.5	1917	6/1	1983
						5427	5063.5	2213.5	1923	12/2	2127
				2800	5451	5024.5	2139.5	1912	1-16 (22)	2027	
					4614	4335.5	2835.5	2760	6/1	2045	
					4620	4401.5	2901.5	2766	12/2	2189	
			10.8	1400	3222.5	3050.5	3750.5	4043.5	6/1	1567	
					3228.5	3116.5	3816.5	4049.5	12/2	1711	
					3252.5	3077.5	3742.5	4038.5	1-16 (22)	1611	
		2240		3673.5	3417.5	3417.5	3644.5	6/1	1653		
				3679.5	3483.5	3483.5	3650.5	12/2	1797		
				3703.5	3044.5	3409.5	3639.5	1-16 (22)	1297		
		2800	3691.5	3430.5	3430.5	3662.5	6/1	1715			
			3697.5	3496.5	3496.5	3668.5	12/2	1859			
			3721.5	3457.5	3422.5	3657.5	1-16 (22)	1759			
		19.7	1400	-	-	-	-	-	-	-	
				2240	3677.5	3464.5	3464.5	3648.5	6/1	1755	
					3683.5	3529.5	3529.5	3654.5	12/2	1897	
			2800	3707.5	3491.5	3456.5	3643.5	1-16 (22)	1799		
				3695.5	3477.5	3477.5	3666.5	6/1	1817		
				3701.5	3542.5	3542.5	3672.5	12/2	1959		
		31.7	1400	-	-	-	-	-	-	-	
				2240	3446	3327.5	3727.5	3892	6/1	1893	
					3452	3393.5	3793.5	3898	12/2	2037	
		3476	3354.5	3719.5	3887	1-16 (22)	1937				



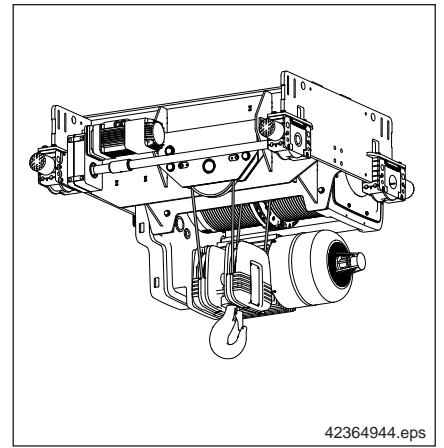
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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
6.3	EZDR 20 4m	4/2	31.7	2800	3701.5	3540.5	3540.5	3672.5	6/1	1955		
					3707.5	3606.5	3606.5	3678.5	12/2	2099		
					3731.5	3567.5	3532.5	3667.5	1-16 (22)	1999		
8	EZDR 20 3m	2/1	24	1400	4445.5	4078	2662	2816.5	6/1	1502		
					4451.5	4143	2727	2822.5	12/2	1644		
					4475.5	4115	2664	2811.5	1-16 (22)	1566		
				2240	4171.5	3846	3021	3142.5	6/1	1681		
					4177.5	3911	3086	3148.5	12/2	1823		
					4201.5	3883	3023	3137.5	1-16 (22)	1745		
			2800	4089.5	3771.5	3121.5	3260.5	6/1	1743			
				4095.5	3836.5	3186.5	3266.5	12/2	1885			
				4119.5	3808.5	3123.5	3255.5	1-16 (22)	1807			
			36	1400	-	-	-	-	-	-	-	-
					2240	4451.5	4131	2856	2872.5	6/1	1811	
						4457.5	4197	2922	2878.5	12/2	1955	
		2800		4481.5	4159	2849	2867.5	1-16 (22)	1857			
				4319.5	4006.5	2994	3053	6/1	1873			
				4325.5	4072.5	3060	3059	12/2	2017			
		54	1400	-	-	-	-	-	-	-	-	
				2240	5421	4997.5	2147.5	1917	6/1	1983		
					5427	5063.5	2213.5	1923	12/2	2127		
			2800	5451	5024.5	2139.5	1912	1-16 (22)	2027			
				4614	4335.5	2835.5	2760	6/1	2045			
				4620	4401.5	2901.5	2766	12/2	2189			
		4/2	12.3	1400	3215.5	3043.5	3743.5	4036.5	6/1	1539		
					3221.5	3109.5	3809.5	4042.5	12/2	1683		
					3245.5	3070.5	3735.5	4031.5	1-16 (22)	1583		
				2240	3666.5	3411.5	3411.5	3637.5	6/1	1627		
					3672.5	3477.5	3477.5	3643.5	12/2	1771		
					3696.5	3438.5	3403.5	3632.5	1-16 (22)	1671		
			2800	3684.5	3423.5	3423.5	3655.5	6/1	1687			
				3690.5	3489.5	3489.5	3661.5	12/2	1831			
				3714.5	3450.5	3415.5	3650.5	1-16 (22)	1731			
			21.2	1400	-	-	-	-	-	-	-	-
					2240	3670.5	3458.5	3458.5	3641.5	6/1	1729	
						3676.5	3523.5	3523.5	3647.5	12/2	1871	
		2800		3700.5	3485.5	3450.5	3636.5	1-16 (22)	1773			
				3688.5	3470.5	3470.5	3659.5	6/1	1789			
				3694.5	3535.5	3535.5	3665.5	12/2	1931			
3718.5	3497.5	3462.5	3654.5	1-16 (22)	1833							



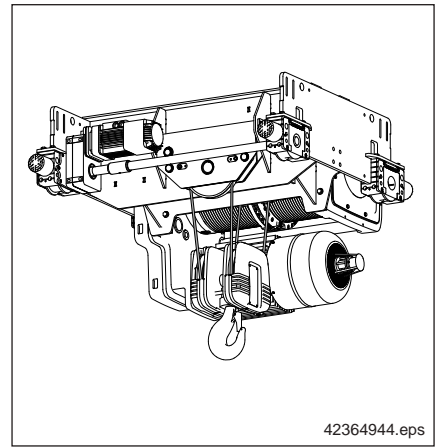
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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]				
8	EZDR 20 3m	4/2	33.2	1400	-									
				2240	3439	3321.5	3721.5	3885	6/1	1867				
					3445	3387.5	3787.5	3891	12/2	2011				
					3469	3348.5	3713.5	3880	1-16 (22)	1911				
				2800	3694.5	3533.5	3533.5	3665.5	6/1	1927				
					3700.5	3599.5	3599.5	3671.5	12/2	2071				
					3724.5	3560.5	3525.5	3660.5	1-16 (22)	1971				
				10	EZDR 20 2m	2/1	24	1400	4436.5	4072	2747	2807.5	6/1	1563
									4442.5	4137	2812	2813.5	12/2	1705
									4466.5	4109	2749	2802.5	1-16 (22)	1627
2240	4163.5	3840	3015					3134.5	6/1	1653				
	4169.5	3905	3080					3140.5	12/2	1795				
	4193.5	3877	3017					3129.5	1-16 (22)	1717				
2800	4081.5	3764.5	3114.5				3252.5	6/1	1713					
	4087.5	3829.5	3179.5				3258.5	12/2	1855					
	4111.5	3801.5	3116.5				3247.5	1-16 (22)	1777					
36	1400	-												
		2240	4443.5				4125	2850	2864.5	6/1	1783			
			4449.5				4191	2916	2870.5	12/2	1927			
	2800	4473.5	4153				2843	2859.5	1-16 (22)	1829				
		4311.5	3999.5				2987	3045	6/1	1843				
		4317.5	4065.5				3053	3051	12/2	1987				
	4341.5	4027.5	2980			3040	1-16 (22)	1889						
	54	1400	-											
			2240			5413	4991.5	2141.5	1909	6/1	1955			
5419						5057.5	2207.5	1915	12/2	2099				
2800		5443	5018.5			2133.5	1904	1-16 (22)	1999					
		4606	4328.5			2828.5	2752	6/1	2015					
		4612	4394.5			2894.5	2758	12/2	2159					
4636		4355.5	2820.5			2747	1-16 (22)	2059						
4/2		12.3	1400			3215.5	3043.5	3743.5	4036.5	6/1	1539			
						3221.5	3109.5	3809.5	4042.5	12/2	1683			
	3245.5					3070.5	3735.5	4031.5	1-16 (22)	1583				
	2240					3666.5	3411.5	3411.5	3637.5	6/1	1627			
						3672.5	3477.5	3477.5	3643.5	12/2	1771			
						3696.5	3438.5	3403.5	3632.5	1-16 (22)	1671			
	2800		3684.5			3423.5	3423.5	3655.5	6/1	1687				
			3690.5	3489.5	3489.5	3661.5	12/2	1831						
			3714.5	3450.5	3415.5	3650.5	1-16 (22)	1731						
	21.2		1400	-										
				2240	3670.5	3458.5	3458.5	3641.5	6/1	1729				
					3676.5	3523.5	3523.5	3647.5	12/2	1871				
	3700.5	3485.5	3450.5	3636.5	1-16 (22)	1773								



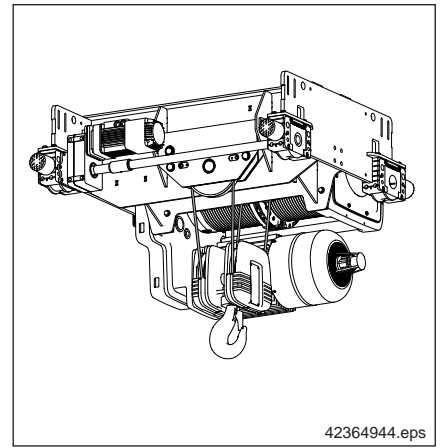
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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]				
					R1	R2	R3	R4						
10	EZDR 20 2m	4/2	21.2	2800	3688.5	3470.5	3470.5	3659.5	6/1	1789				
					3694.5	3535.5	3535.5	3665.5	12/2	1931				
					3718.5	3497.5	3462.5	3654.5	1-16 (22)	1833				
			33.2	1400	-	-	-	-	-	-	-	-		
					2240	3439	3321.5	3721.5	3885	6/1	1867			
						3445	3387.5	3787.5	3891	12/2	2011			
				3469		3348.5	3713.5	3880	1-16 (22)	1911				
				2800	3694.5	3533.5	3533.5	3665.5	6/1	1927				
					3700.5	3599.5	3599.5	3671.5	12/2	2071				
					3724.5	3560.5	3525.5	3660.5	1-16 (22)	1971				
				12.5	EZDR 20 1Am	2/1	24	1400	4436.5	4072	2747	2807.5	6/1	1563
									4442.5	4137	2812	2813.5	12/2	1705
4466.5	4109	2749	2802.5						1-16 (22)	1627				
2240	4163.5	3840	3015					3134.5	6/1	1653				
	4169.5	3905	3080					3140.5	12/2	1795				
	4193.5	3877	3017					3129.5	1-16 (22)	1717				
2800	4081.5	3764.5	3114.5					3252.5	6/1	1713				
	4087.5	3829.5	3179.5					3258.5	12/2	1855				
	4111.5	3801.5	3116.5					3247.5	1-16 (22)	1777				
36	1400	-	-				-	-	-	-	-	-		
		2240	4443.5				4125	2850	2864.5	6/1	1783			
			4449.5				4191	2916	2870.5	12/2	1927			
	4473.5		4153				2843	2859.5	1-16 (22)	1829				
	2800	4311.5	3999.5				2987	3045	6/1	1843				
		4317.5	4065.5				3053	3051	12/2	1987				
		4341.5	4027.5				2980	3040	1-16 (22)	1889				
	54	1400	-				-	-	-	-	-	-	-	
			2240				5413	4991.5	2141.5	1909	6/1	1955		
5419							5057.5	2207.5	1915	12/2	2099			
5443		5018.5					2133.5	1904	1-16 (22)	1999				
2800		4606	4328.5				2828.5	2752	6/1	2015				
		4612	4394.5				2894.5	2758	12/2	2159				
		4636	4355.5				2820.5	2747	1-16 (22)	2059				
12.3		1400	3215.5				3043.5	3743.5	4036.5	6/1	1539			
			3221.5	3109.5	3809.5	4042.5	12/2	1683						
			3245.5	3070.5	3735.5	4031.5	1-16 (22)	1583						
		2240	3666.5	3411.5	3411.5	3637.5	6/1	1627						
			3672.5	3477.5	3477.5	3643.5	12/2	1771						
			3696.5	3438.5	3403.5	3632.5	1-16 (22)	1671						
		2800	3684.5	3423.5	3423.5	3655.5	6/1	1687						
			3690.5	3489.5	3489.5	3661.5	12/2	1831						
	3714.5		3450.5	3415.5	3650.5	1-16 (22)	1731							



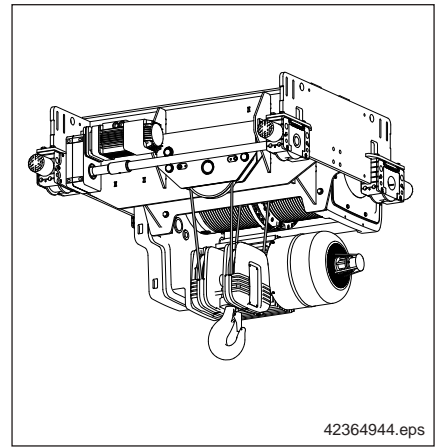
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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
12.5	EZDR 20 1Am	4/2	21.2	1400	-					
				2240	3670.5	3458.5	3458.5	3641.5	6/1	1729
					3676.5	3523.5	3523.5	3647.5	12/2	1871
					3700.5	3485.5	3450.5	3636.5	1-16 (22)	1773
			2800	3688.5	3470.5	3470.5	3659.5	6/1	1789	
				3694.5	3535.5	3535.5	3665.5	12/2	1931	
				3718.5	3497.5	3462.5	3654.5	1-16 (22)	1833	
			33.2	1400	-					
		2240		3439	3321.5	3721.5	3885	6/1	1867	
				3445	3387.5	3787.5	3891	12/2	2011	
				3469	3348.5	3713.5	3880	1-16 (22)	1911	
		2800		3694.5	3533.5	3533.5	3665.5	6/1	1927	
				3700.5	3599.5	3599.5	3671.5	12/2	2071	
				3724.5	3560.5	3525.5	3660.5	1-16 (22)	1971	
		12		1400	7607	7451	5876	5887	3/0.5	1821
			7613		7517	5942	5893	6/1	1965	
	7633		7437		5827	5878	0.5-5 (7)	1775		
	7637		7478		5868	5882	0.5-8 (11)	1865		
	2240		7264	7123	6248	6294	3/0.5	1929		
			7270	7189	6314	6300	6/1	2073		
			7290	7019	6199	6285	0.5-5 (7)	1793		
			7294	7150	6240	6289	0.5-8 (11)	1973		
	2800		7286	7139	6264	6316	3/0.5	2005		
			7292	7205	6330	6322	6/1	2149		
			7312	7125	6215	6307	0.5-5 (7)	1959		
			7316	7166	6256	6311	0.5-8 (11)	2049		
	18	1400	-							
			2240	7519	7430	6080	6024	3/0.5	2053	
				7525	7496	6146	6030	6/1	2197	
				7545	7416	6031	6015	0.5-5 (7)	2007	
		2800	7549	7457	6072	6019	0.5-8 (11)	2097		
			7416	7296	6221	6196	3/0.5	2129		
			7422	7362	6287	6202	6/1	2273		
			7442	7282	6172	6187	0.5-5 (7)	2083		
		27	7446	7323	6213	6191	0.5-8 (11)	2173		
			2240	9676	9482	4157	3906	3/0.5	2221	
				9681	9548	4223	3906	6/1	2358	
				9702	9468	4108	3897	0.5-5 (7)	2175	
	9706	9509		4149	3901	0.5-8 (11)	2265			
	EZDR 20 4m	4/1 8/2	12	1400	7607	7451	5876	5887	3/0.5	1821
7613					7517	5942	5893	6/1	1965	
7633					7437	5827	5878	0.5-5 (7)	1775	
7637					7478	5868	5882	0.5-8 (11)	1865	
2240			7264	7123	6248	6294	3/0.5	1929		
			7270	7189	6314	6300	6/1	2073		
			7290	7019	6199	6285	0.5-5 (7)	1793		
			7294	7150	6240	6289	0.5-8 (11)	1973		
2800		7286	7139	6264	6316	3/0.5	2005			
		7292	7205	6330	6322	6/1	2149			
		7312	7125	6215	6307	0.5-5 (7)	1959			
		7316	7166	6256	6311	0.5-8 (11)	2049			
18		1400	-							
			2240	7519	7430	6080	6024	3/0.5	2053	
				7525	7496	6146	6030	6/1	2197	
				7545	7416	6031	6015	0.5-5 (7)	2007	
	2800	7549	7457	6072	6019	0.5-8 (11)	2097			
		7416	7296	6221	6196	3/0.5	2129			
		7422	7362	6287	6202	6/1	2273			
		7442	7282	6172	6187	0.5-5 (7)	2083			
27	7446	7323	6213	6191	0.5-8 (11)	2173				
	2240	9676	9482	4157	3906	3/0.5	2221			
		9681	9548	4223	3906	6/1	2358			
		9702	9468	4108	3897	0.5-5 (7)	2175			
9706		9509	4149	3901	0.5-8 (11)	2265				



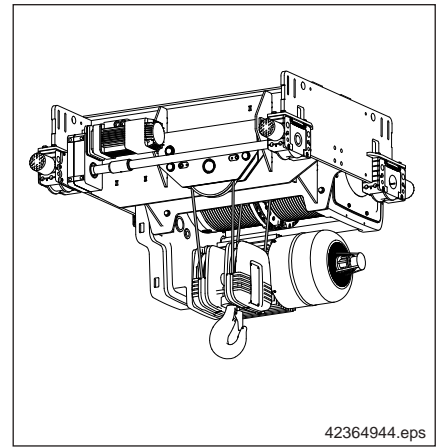
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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
12.5	EZDR 20 4m	4/1 8/2		2800	7823	7748	5923	5803	3/0.5	2297		
					7828	7814	5989	5803	6/1	2434		
					7849	7734	5874	5794	0.5-5 (7)	2251		
					7853	7775	5915	5798	0.5-8 (11)	2341		
			5.9	1400	5967	5915	7415	7522	3/0.5	1819		
					5973	5980	7480	7528	6/1	1961		
					5994	5900	7365	7514	0.5-5 (7)	1773		
					5997	5942	7407	7517	0.5-8 (11)	1863		
			2240	6799	6688	6688	6754	3/0.5	1929			
				6805	6753	6753	6760	6/1	2071			
				6826	6673	6638	6746	0.5-5 (7)	1883			
				6829	6715	6680	6749	0.5-8 (11)	1973			
			2800	6821	6703.2	6703	6776	3/0.5	2003.2			
				6827	6768.2	6768	6782	6/1	2145.2			
				6848	6688.2	6653	6768	0.5-5 (7)	1957.2			
				6851	6730.2	6695	6771	0.5-8 (11)	2047.2			
	EZDR 20 4m	4/1 8/2	10.3	1400	-							
					2240	6803	6734	6734	6758	3/0.5	2029	
						6809	6799	6799	6764	6/1	2171	
						6830	6720	6685	6750	0.5-5 (7)	1985	
				6833		6761	6726	6753	0.5-8 (11)	2073		
				2800	6825	6749.2	6749	6780	3/0.5	2103.2		
					6831	6814.2	6814	6786	6/1	2245.2		
					6852	6735.2	6700	6772	0.5-5 (7)	2059.2		
					6855	6776.2	6741	6775	0.5-8 (11)	2147.2		
				16.3	1400	-						
						2240	6359	6372	7222	7214	3/0.5	2167
							6365	6438	7288	7220	6/1	2311
			6385				6358	7173	7205	0.5-5 (7)	2121	
			6389		6400		7215	7209	0.5-8 (11)	2213		
			2800		6831	6812.2	6812	6786	3/0.5	2241.2		
					6837	6878.2	6878	6792	6/1	2385.2		
					6857	6798.2	6763	6777	0.5-5 (7)	2195.2		
					6861	6840.2	6805	6781	0.5-8 (11)	2287.2		
			23.4		1400	-						
						2240	-					
					2800		6419	6475	7325	7260	3/0.5	2479
				6425		6541	7391	7266	6/1	2623		
				6444		6462	7277	7250	0.5-5 (7)	2433		
				6449		6504	7319	7255	0.5-8 (11)	2527		

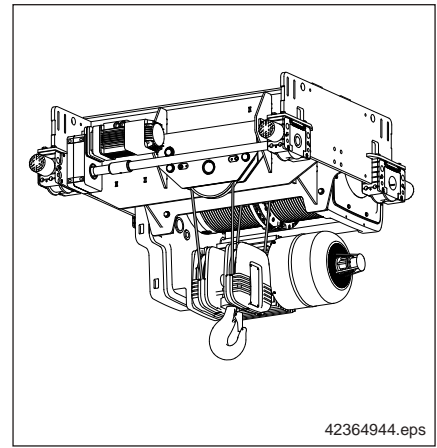


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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]			
					R1	R2	R3	R4					
16	EZDR 20 3m	4/1	12	1400	7604	7448	5873	5884	3/0.5	1809			
					7610	7514	5939	5890	6/1	1953			
					7630	7434	5824	5875	0.5-5 (7)	1763			
					7634	7475	5865	5879	0.5-8 (11)	1853			
				2240	7261	7120	6245	6291	3/0.5	1917			
					7267	7186	6311	6297	6/1	2061			
					7287	7106	6196	6282	0.5-5 (7)	1871			
					7291	7147	6237	6286	0.5-8 (11)	1961			
				2800	7283	7136	6261	6313	3/0.5	1993			
					7289	7202	6327	6319	6/1	2137			
					7309	7122	6212	6304	0.5-5 (7)	1947			
					7313	7163	6253	6308	0.5-8 (11)	2037			
			18	1400	-	-	-	-	-	-	-	-	
					2240	7516	7427	6077	6021	3/0.5	2041		
						7522	7493	6143	6027	6/1	2185		
						7542	7413	6028	6012	0.5-5 (7)	1995		
				7546		7454	6069	6016	0.5-8 (11)	2085			
				2800	7413	7293	6218	6193	3/0.5	2117			
					7419	7359	6284	6199	6/1	2261			
					7439	7279	6169	6184	0.5-5 (7)	2071			
					7443	7320	6210	6188	0.5-8 (11)	2161			
				27	1400	-	-	-	-	-	-	-	-
						2240	9673	9479	4154	3903	3/0.5	2209	
							9678	9545	4220	3903	6/1	2346	
		9699	9465				4105	3921	0.5-5 (7)	2190			
		9703	9506		4146		3898	0.5-8 (11)	2253				
		2800	7820		7745	5920	5800	3/0.5	2285				
			7825		7811	5986	5800	6/1	2422				
			7846		7731	5871	5791	0.5-5 (7)	2239				
			7850		7772	5912	5795	0.5-8 (11)	2329				
		8/2	5.9		1400	5954	5905	7405	7509	3/0.5	1773		
						5960	5970	7470	7515	6/1	1915		
						5981	5890	7355	7501	0.5-5 (7)	1727		
				5984		5932	7397	7504	0.5-8 (11)	1817			
				2240	6786	6677	6677	6741	3/0.5	1881			
					6792	6742	6742	6747	6/1	2023			
					6813	6662	6627	6733	0.5-5 (7)	1835			
					6816	6704	6669	6736	0.5-8 (11)	1925			
				2800	6808	6693	6693	6763	3/0.5	1957			
					6814	6758	6758	6769	6/1	2099			
					6835	6678	6643	6755	0.5-5 (7)	1911			
					6838	6720	6685	6758	0.5-8 (11)	2001			

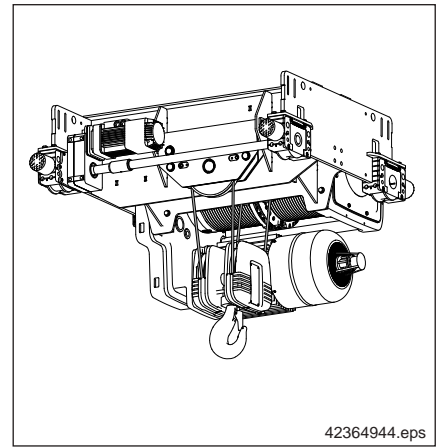


SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]	
					R1	R2	R3	R4			
16	EZDR 20 3m	8/2	10.3	1400	-						
				2240	6790	6723	6723	6745	3/0.5	1981	
					6796	6788	6788	6751	6/1	2123	
					6817	6709	6674	6737	0.5-5 (7)	1937	
					6820	6750	6715	6740	0.5-8 (11)	2025	
				2800	6812	6739	6739	6767	3/0.5	2057	
					6818	6804	6804	6773	6/1	2199	
					6839	6725	6690	6759	0.5-5 (7)	2013	
					6842	6766	6731	6762	0.5-8 (11)	2101	
				16.3	1400	-					
					2240	6346	6361	7211	7201	3/0.5	2119
						6352	6427	7277	7207	6/1	2263
			6372			6347	7162	7192	0.5-5 (7)	2073	
			6376			6389	7204	7196	0.5-8 (11)	2165	
			2800		6818	6802	6802	6773	3/0.5	2195	
					6824	6868	6868	6779	6/1	2339	
					6844	6788	6753	6764	0.5-5 (7)	2149	
					6848	6830	6795	6768	0.5-8 (11)	2241	
			23.4		1400	-					
					2240	-					
					2800	6419	6475	7325	7260	3/0.5	2479
				6425		6541	7391	7266	6/1	2623	
				6444		6462	7277	7250	0.5-5 (7)	2433	
				6449		6504	7319	7255	0.5-8 (11)	2527	
20	EZDR 20 2m	4/1	12	1400	7604	7448	5873	5884	3/0.5	1809	
					7610	7514	5939	5890	6/1	1953	
					7630	7434	5824	5875	0.5-5 (7)	1763	
					7634	7475	5865	5879	0.5-8 (11)	1853	
				2240	7261	7120	6245	6291	3/0.5	1917	
					7267	7186	6311	6297	6/1	2061	
					7287	7106	6196	6282	0.5-5 (7)	1871	
					7291	7147	6237	6286	0.5-8 (11)	1961	
				2800	7283	7136	6261	6313	3/0.5	1993	
					7289	7202	6327	6319	6/1	2137	
					7309	7122	6212	6304	0.5-5 (7)	1947	
					7313	7163	6253	6308	0.5-8 (11)	2037	

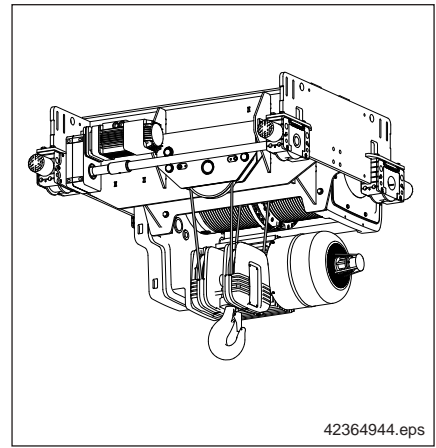


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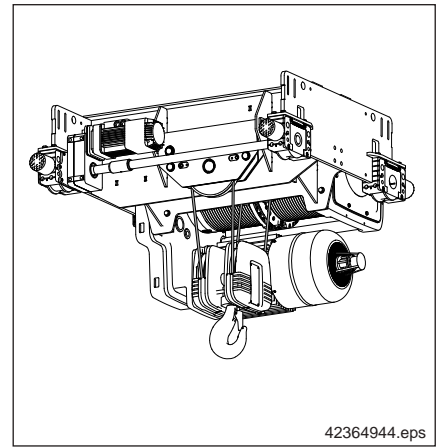
SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
20	EZDR 20 2m	4/1	18	1400	-							
				2240	7516	7427	6077	6021	3/0.5	2041		
					7522	7493	6143	6027	6/1	2185		
					7542	7413	6028	6012	0.5-5 (7)	1995		
					7546	7454	6069	6016	0.5-8 (11)	2085		
				2800	7413	7293	6218	6193	3/0.5	2117		
					7419	7359	6284	6199	6/1	2261		
					7439	7279	6169	6184	0.5-5 (7)	2071		
					7443	7320	6210	6188	0.5-8 (11)	2161		
				27	1400	-						
					2240	9673	9479	4154	3903	3/0.5	2209	
						9678	9545	4220	3903	6/1	2346	
			9699			9465	4105	3921	0.5-5 (7)	2190		
			9703			9506	4146	3898	0.5-8 (11)	2253		
			2800		7820	7745	5920	5800	3/0.5	2285		
					7825	7811	5986	5800	6/1	2422		
					7846	7731	5871	5791	0.5-5 (7)	2239		
					7850	7772	5912	5795	0.5-8 (11)	2329		
			8/2		5.9	1400	5954	5905	7405	7509	3/0.5	1773
							5960	5970	7470	7515	6/1	1915
							5981	5890	7355	7501	0.5-5 (7)	1727
				5984			5932	7397	7504	0.5-8 (11)	1817	
				2240		6786	6677	6677	6741	3/0.5	1881	
						6792	6742	6742	6747	6/1	2023	
		6813				6662	6627	6733	0.5-5 (7)	1835		
		6816				6704	6669	6736	0.5-8 (11)	1925		
		2800		6808		6693	6693	6763	3/0.5	1957		
				6814		6758	6758	6769	6/1	2099		
				6835		6678	6643	6755	0.5-5 (7)	1911		
				6838		6720	6685	6758	0.5-8 (11)	2001		
		10.3		1400	-							
				2240	6790	6723	6723	6745	3/0.5	1981		
					6796	6788	6788	6751	6/1	2123		
					6817	6709	6674	6737	0.5-5 (7)	1937		
					6820	6750	6715	6740	0.5-8 (11)	2025		
				2800	6812	6739	6739	6767	3/0.5	2057		
					6818	6804	6804	6773	6/1	2199		
					6839	6725	6690	6759	0.5-5 (7)	2013		
					6842	6766	6731	6762	0.5-8 (11)	2101		



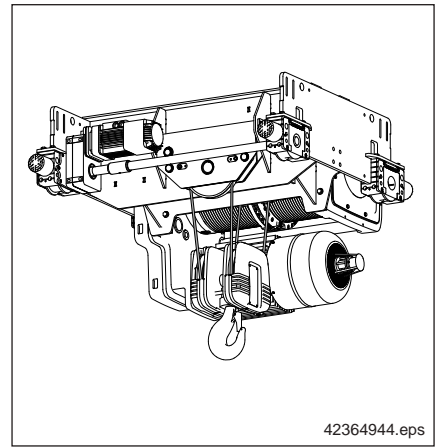
SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
20	EZDR 20 2m	8/2	16.3	1400	-					
				2240	6346	6361	7211	7201	3/0.5	2119
					6352	6427	7277	7207	6/1	2263
					6372	6347	7162	7192	0.5-5 (7)	2073
				6376	6389	7204	7196	0.5-8 (11)	2165	
				2800	6818	6802	6802	6773	3/0.5	2195
			6824		6868	6868	6779	6/1	2339	
			6844		6788	6753	6764	0.5-5 (7)	2149	
			6848	6830	6795	6768	0.5-8 (11)	2241		
			23.4	1400/2240	-					
				2800	6419	6475	7325	7260	3/0.5	2479
					6425	6541	7391	7266	6/1	2623
					6444	6462	7277	7250	0.5-5 (7)	2433
			6449	6504	7319	7255	0.5-8 (11)	2527		
	EZDR 20 4m	6/1	8	1400	12746	12156	8561	8852	0.3-3.3 (4.7)	2315
					12725	12236	8676	8866	4/0.7	2503
					12749	12198	8603	8855	0.3-5.3 (7.4)	2405
				2240	11357	10877	9882	10223	0.3-3.3 (4.7)	2339
					11336	10957	9997	10237	4/0.7	2527
					11360	10919	9924	10226	0.3-5.3 (7.4)	2429
			2800	11381	10893	9898	10247	0.3-3.3 (4.7)	2419	
				11360	10973	10013	10261	4/0.7	2607	
				11384	10935	9940	10250	0.3-5.3 (7.4)	2509	
			12	1400	-					
				2240	11642	11174	9699	9988	0.3-3.3 (4.7)	2463
					11621	11180	9740	10002	4/0.7	2503
					11645	11215	9740	9991	0.3-5.3 (7.4)	2551
				2800	11506	11030	9835	10172	0.3-3.3 (4.7)	2543
11485	11036	9876			10186	4/0.7	2583			
11509	11071	9876	10175		0.3-5.3 (7.4)	2631				
18	1400	-								
	2240	15768	15091	5936	5834	0.3-3.3 (4.7)	2629			
		15748	15171	6051	5849	4/0.7	2819			
		15772	15132	5977	5838	0.3-5.3 (7.4)	2719			
	2800	12752	12267	8752	8938	0.3-3.3 (4.7)	2709			
		12732	12347	8867	8953	4/0.7	2899			
12756		12308	8793	8942	0.3-5.3 (7.4)	2799				
24.7	1400/2240	-								
	2800	16949	16256	5101	4855	0.3-3.3 (4.7)	3161			
		16929	16336	5216	4870	4/0.7	3351			
16953		16297	5142	4859	0.3-5.3 (7.4)	3251				



SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
25	EZDR 20 1Am	4/1	12	1400	7646	7471	5896	5912	3/0.5	1925		
					7652	7537	5962	5918	6/1	2069		
					7672	7457	5847	5903	0.5-5 (7)	1879		
					7676	7498	5888	5907	0.5-8 (11)	1969		
				7303	7144	6269	6319	3/0.5	2035			
				7309	7210	6335	6325	6/1	2179			
				7329	7130	6220	6310	0.5-5 (7)	1989			
				7333	7171	6261	6314	0.5-8 (11)	2079			
				7327	7160	6285	6343	3/0.5	2115			
				7333	7226	6351	6349	6/1	2259			
				7353	7146	6236	6334	0.5-5 (7)	2069			
				7357	7187	6277	6338	0.5-8 (11)	2159			
			1400	-								
			18	2240	7558	7451	6101	6049	3/0.5	2159		
					7564	7517	6167	6055	6/1	2303		
					7584	7437	6052	6040	0.5-5 (7)	2113		
					7588	7478	6093	6044	0.5-8 (11)	2203		
				2800	7457	7317	6242	6223	3/0.5	2239		
					7463	7383	6308	6229	6/1	2383		
					7483	7303	6193	6214	0.5-5 (7)	2193		
					7487	7344	6234	6218	0.5-8 (11)	2283		
			27	1400	-							
					2240	9715	9503	4178	3931	3/0.5	2327	
						9720	9569	4244	3931	6/1	2464	
		9741				9489	4129	3922	0.5-5 (7)	2281		
		9745		9530	4170	3926	0.5-8 (11)	2371				
		2800		7864	7769	5944	5830	3/0.5	2407			
				7869	7835	6010	5830	6/1	2544			
				7890	7755	5895	5821	0.5-5 (7)	2361			
				7894	7796	5936	5825	0.5-8 (11)	2451			
		8/2		5.9	1400	5996	5929	7429	7537	3/0.5	1891	
						6002	5994	7494	7543	6/1	2033	
						6023	5914	7379	7529	0.5-5 (7)	1845	
			6026			5956	7421	7532	0.5-8 (11)	1935		
			2240		6828	6701	6701	6769	3/0.5	1999		
					6834	6766	6766	6775	6/1	2141		
					6855	6686	6651	6761	0.5-5 (7)	1953		
					6858	6728	6693	6764	0.5-8 (11)	2043		
			2800		6852	6717	6717	6793	3/0.5	2079		
					6858	6782	6782	6799	6/1	2221		
					6879	6702	6667	6785	0.5-5 (7)	2033		
					6882	6744	6709	6788	0.5-8 (11)	2123		

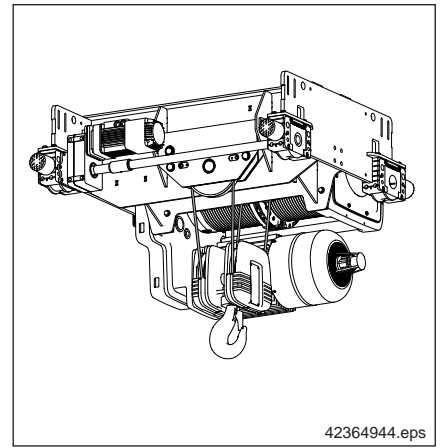


SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]
					R1	R2	R3	R4		
25	EZDR 20 1Am	8/2	10.3	1400	-					
				2240	6832	6747	6747	6773	3/0.5	2099
					6838	6812	6812	6779	6/1	2241
					6859	6733	6698	6765	0.5-5 (7)	2055
				6862	6774	6739	6768	0.5-8 (11)	2143	
				2800	6856	6763	6763	6797	3/0.5	2179
			6862		6828	6828	6803	6/1	2321	
			6883		6749	6714	6789	0.5-5 (7)	2135	
			6886	6790	6755	6792	0.5-8 (11)	2223		
			16.3	1400	-					
				2240	6388	6385	7235	7229	3/0.5	2237
					6394	6451	7301	7235	6/1	2381
		6414			6371	7186	7220	0.5-5 (7)	2191	
		6418		6413	7228	7224	0.5-8 (11)	2283		
		2800		6862	6826	6826	6803	3/0.5	2317	
				6868	6892	6892	6809	6/1	2461	
				6888	6812	6777	6794	0.5-5 (7)	2271	
		6892		6854	6819	6798	0.5-8 (11)	2363		
		23.4		1400	-					
				2240	-					
				2800	6419	6475	7325	7260	3/0.5	2479
			6425		6541	7391	7266	6/1	2623	
			6444		6462	7277	7250	0.5-5 (7)	2433	
			6449	6504	7319	7255	0.5-8 (11)	2527		
	EZDR 20 3m	6/1	8	1400	12712	12128	8533	8818	0.3-3.3 (4.7)	2191
					12691	12208	8648	8832	4/0.7	2379
					12715	12170	8575	8821	0.3-5.3 (7.4)	2281
				2240	11350	10872	9877	10216	0.3-3.3 (4.7)	2315
					11329	10952	9992	10230	4/0.7	2503
					11353	10914	9919	10219	0.3-5.3 (7.4)	2405
			2800	11374	10887	9892	10240	0.3-3.3 (4.7)	2393	
				11353	10967	10007	10254	4/0.7	2581	
				11377	10929	9934	10243	0.3-5.3 (7.4)	2483	
			12	1400	-					
				2240	11635	11169	9694	9981	0.3-3.3 (4.7)	2439
					11614	11175	9735	9995	4/0.7	2479
	11638	11210			9735	9984	0.3-5.3 (7.4)	2527		
	2800	11499		11024	9829	10165	0.3-3.3 (4.7)	2517		
		11478		11030	9870	10179	4/0.7	2557		
		11502	11065	9870	10168	0.3-5.3 (7.4)	2605			



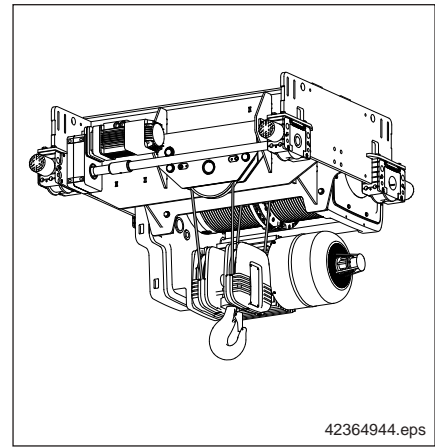
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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
25	EZDR 20 3m	6/1	18	1400	-							
				2240	15761	15086	5931	5827	0.3-3.3 (4.7)	2605		
					15741	15166	6046	5842	4/0.7	2795		
					15765	15127	5972	5831	0.3-5.3 (7.4)	2695		
				2800	12745	12261	8746	8931	0.3-3.3 (4.7)	2683		
					12725	12341	8861	8946	4/0.7	2873		
			12749		12302	8787	8935	0.3-5.3 (7.4)	2773			
			24.7	1400	-							
				2240	-							
				2800	16942	16250	5095	4848	0.3-3.3 (4.7)	3135		
					16922	16330	5210	4863	4/0.7	3325		
					16946	16291	5136	4852	0.3-5.3 (7.4)	3225		
				EZDR 20 4m	8/1	6	1400	15173	14414	11129	11629	3/0.5
			15152					14494	11244	11643	0.3-2.5 (3.5)	2533
			15176					14456	11171	11632	0.2-4 (5.5)	2435
			2240				15315	13291	12356	12871	3/0.5	2483
							15294	13371	12471	12885	0.3-2.5 (3.5)	2671
							15318	13333	12398	12874	0.2-4 (5.5)	2573
	2800	13892	13209			12474	12998	3/0.5	2573			
		13871	13289			12589	13012	0.3-2.5 (3.5)	2761			
		13895	13251			12516	13001	0.2-4 (5.5)	2663			
	9	1400	-									
		2240	14220			13547	12162	12676	3/0.5	2605		
			14199			13627	12277	12690	0.3-2.5 (3.5)	2793		
			14223			13589	12204	12679	0.2-4 (5.5)	2695		
		2800	14097			13465	12330	12853	3/0.5	2695		
			14076			13545	12445	12867	0.3-2.5 (3.5)	2883		
	14100		13507			12372	12856	0.2-4 (5.5)	2785			
	13.5	1400	-									
		2240	19292			18383	7648	7698	3/0.5	3021		
			19272	18463	7763	7713	0.3-2.5 (3.5)	3211				
			19296	18424	7689	7702	0.2-4 (5.5)	3111				
		2800	15572	14901	11166	11478	3/0.5	3117				
			15552	14981	11281	11493	0.3-2.5 (3.5)	3307				
	15576		14942	11207	11482	0.2-4 (5.5)	3207					
	18.5	1400	-									
		2240	-									
		2800	20730	19792	6457	6336	3/0.5	3315				
			20710	19872	6572	6351	0.3-2.5 (3.5)	3505				
	20734	19833	6498	6340	0.2-4 (5.5)	3405						

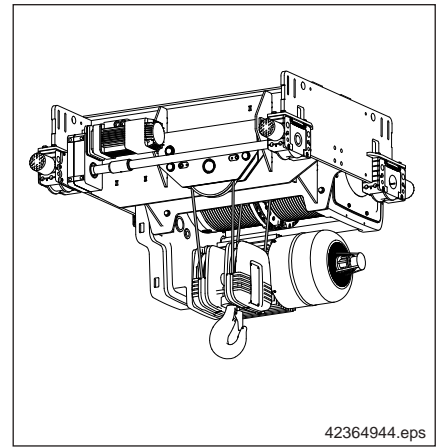


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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
32	EZDR 20 2m	6/1	8	1400	12712	12128	8533	8818	0.3-3.3 (4.7)	2191		
					12691	12208	8648	8832	4/0.7	2379		
					12715	12170	8575	8821	0.3-5.3 (7.4)	2281		
				2240	11350	10872	9877	10216	0.3-3.3 (4.7)	2315		
					11329	10952	9992	10230	4/0.7	2503		
					11353	10914	9919	10219	0.3-5.3 (7.4)	2405		
				2800	11374	10887	9892	10240	0.3-3.3 (4.7)	2393		
					11353	10967	10007	10254	4/0.7	2581		
					11377	10929	9934	10243	0.3-5.3 (7.4)	2483		
				12	1400	-						
						2240	11635	11169	9694	9981	0.3-3.3 (4.7)	2439
							11614	11175	9735	9995	4/0.7	2479
			2800		11638	11210	9735	9984	0.3-5.3 (7.4)	2527		
					11499	11024	9829	10165	0.3-3.3 (4.7)	2517		
					11478	11030	9870	10179	4/0.7	2557		
			11502		11065	9870	10168	0.3-5.3 (7.4)	2605			
					1400	-						
						2240	15761	15086	5931	5827	0.3-3.3 (4.7)	2605
			15741				15166	6046	5842	4/0.7	2795	
			2800		15765	15127	5972	5831	0.3-5.3 (7.4)	2695		
					12745	12261	8746	8931	0.3-3.3 (4.7)	2683		
				12725	12341	8861	8946	4/0.7	2873			
			12749	12302	8787	8935	0.3-5.3 (7.4)	2773				
				1400	-							
					2240	-						
			24.7	2800	16942	16250	5095	4848	0.3-3.3 (4.7)	3135		
					16922	16330	5210	4863	4/0.7	3325		
					16946	16291	5136	4852	0.3-5.3 (7.4)	3225		

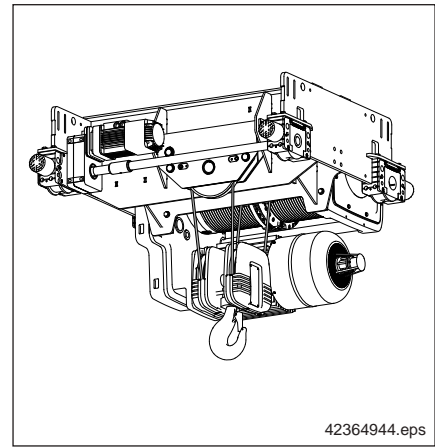


SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
32	EZDR 20 3m	8/1	6	1400	15173	14414	11129	11629	3/0.5	2345		
					15152	14494	11244	11643	0.3-2.5 (3.5)	2533		
					15176	14456	11171	11632	0.2-4 (5.5)	2435		
				2240	15315	13291	12356	12871	3/0.5	2483		
					15294	13371	12471	12885	0.3-2.5 (3.5)	2671		
					15318	13333	12398	12874	0.2-4 (5.5)	2573		
				2800	13892	13209	12474	12998	3/0.5	2573		
					13871	13289	12589	13012	0.3-2.5 (3.5)	2761		
					13895	13251	12516	13001	0.2-4 (5.5)	2663		
				9	1400	-	-	-	-	-	-	-
						2240	14220	13547	12162	12676	3/0.5	2605
							14199	13627	12277	12690	0.3-2.5 (3.5)	2793
			2800		14223	13589	12204	12679	0.2-4 (5.5)	2695		
					14097	13465	12330	12853	3/0.5	2695		
					14076	13545	12445	12867	0.3-2.5 (3.5)	2883		
			14100		13507	12372	12856	12856	0.2-4 (5.5)	2785		
					-	-	-	-	-	-		
					-	-	-	-	-	-		
			13.5		1400	-	-	-	-	-	-	
						2240	19292	18383	7648	7698	3/0.5	3021
							19272	18463	7763	7713	0.3-2.5 (3.5)	3211
				2800	19296	18424	7689	7702	0.2-4 (5.5)	3111		
					15572	14901	11166	11478	3/0.5	3117		
					15552	14981	11281	11493	0.3-2.5 (3.5)	3307		
				15576	14942	11207	11482	11482	0.2-4 (5.5)	3207		
					-	-	-	-	-	-		
					-	-	-	-	-	-		
				18.5	1400	-	-	-	-	-		
					2240	-	-	-	-	-		
					2800	20730	19792	6457	6336	3/0.5	3315	
			20710			19872	6572	6351	0.3-2.5 (3.5)	3505		
			20734			19833	6498	6340	0.2-4 (5.5)	3405		

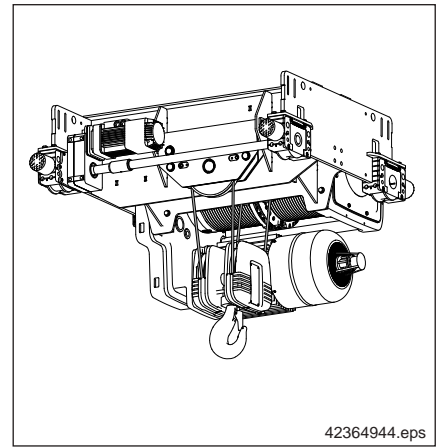


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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
40	EZDR 20 1Am	6/1	8	1400	12712	12128	8533	8818	0.3-3.3 (4.7)	2191		
					12691	12208	8648	8832	4/0.7	2379		
					12715	12170	8575	8821	0.3-5.3 (7.4)	2281		
				2240	11350	10872	9877	10216	0.3-3.3 (4.7)	2315		
					11329	10952	9992	10230	4/0.7	2503		
					11353	10914	9919	10219	0.3-5.3 (7.4)	2405		
				2800	11374	10887	9892	10240	0.3-3.3 (4.7)	2393		
					11353	10967	10007	10254	4/0.7	2581		
					11377	10929	9934	10243	0.3-5.3 (7.4)	2483		
				12	1400	-						
						2240	11635	11169	9694	9981	0.3-3.3 (4.7)	2439
							11614	11175	9735	9995	4/0.7	2479
			2800		11638	11210	9735	9984	0.3-5.3 (7.4)	2527		
					11499	11024	9829	10165	0.3-3.3 (4.7)	2517		
					11478	11030	9870	10179	4/0.7	2557		
			11502		11065	9870	10168	0.3-5.3 (7.4)	2605			
					1400	-						
						2240	15761	15086	5931	5827	0.3-3.3 (4.7)	2605
			15741				15166	6046	5842	4/0.7	2795	
			2800		15765	15127	5972	5831	0.3-5.3 (7.4)	2695		
					12745	12261	8746	8931	0.3-3.3 (4.7)	2683		
				12725	12341	8861	8946	4/0.7	2873			
			12749	12302	8787	8935	0.3-5.3 (7.4)	2773				
				1400	-							
					2240	-						
			24.7	2800	16942	16250	5095	4848	0.3-3.3 (4.7)	3135		
					16922	16330	5210	4863	4/0.7	3325		
					16946	16291	5136	4852	0.3-5.3 (7.4)	3225		



SWL [t]	Type FEM	Reeving	Hook path [m]	L _{Ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
40	EZDR 20 2m	8/1	6	1400	15173	14414	11129	11629	3/0.5	2345		
					15152	14494	11244	11643	0.3-2.5 (3.5)	2533		
					15176	14456	11171	11632	0.2-4 (5.5)	2435		
				2240	15315	13291	12356	12871	3/0.5	2483		
					15294	13371	12471	12885	0.3-2.5 (3.5)	2671		
					15318	13333	12398	12874	0.2-4 (5.5)	2573		
				2800	13892	13209	12474	12998	3/0.5	2573		
					13871	13289	12589	13012	0.3-2.5 (3.5)	2761		
					13895	13251	12516	13001	0.2-4 (5.5)	2663		
				9	1400	-						
						2240	14220	13547	12162	12676	3/0.5	2605
							14199	13627	12277	12690	0.3-2.5 (3.5)	2793
			2800		14223	13589	12204	12679	0.2-4 (5.5)	2695		
					14097	13465	12330	12853	3/0.5	2695		
					14076	13545	12445	12867	0.3-2.5 (3.5)	2883		
			14100		13507	12372	12856	12856	0.2-4 (5.5)	2785		
					-							
					2240	19292	18383	7648	7698	3/0.5	3021	
			19272			18463	7763	7713	0.3-2.5 (3.5)	3211		
			19296			18424	7689	7702	0.2-4 (5.5)	3111		
			2800		15572	14901	11166	11478	3/0.5	3117		
				15552	14981	11281	11493	0.3-2.5 (3.5)	3307			
				15576	14942	11207	11482	0.2-4 (5.5)	3207			
			18.5	1400	-							
					2240	-						
				2800		20730	19792	6457	6336	3/0.5	3315	
					20710	19872	6572	6351	0.3-2.5 (3.5)	3505		
				20734	19833	6498	6340	0.2-4 (5.5)	3405			

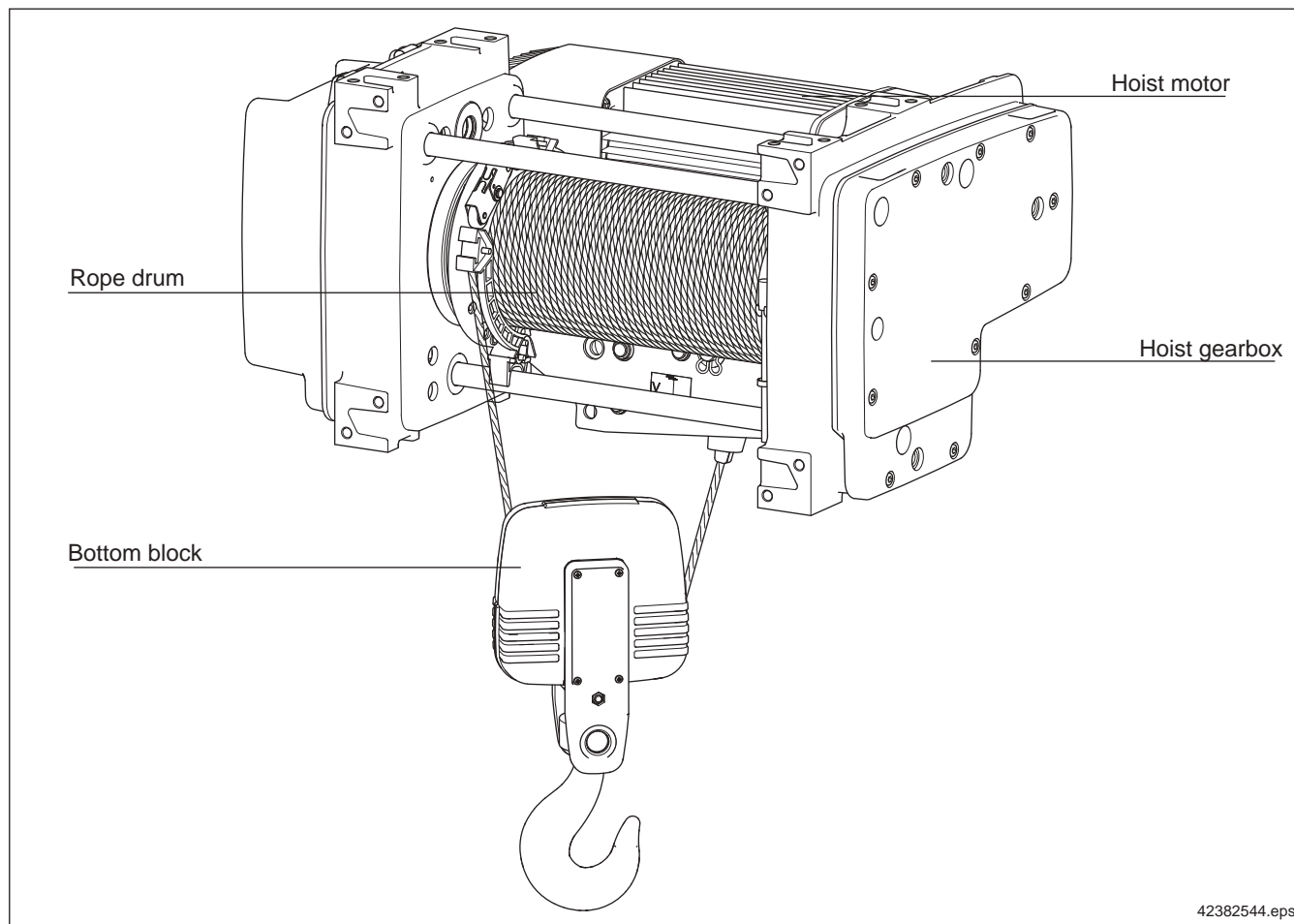


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SWL [t]	Type FEM	Reeving	Hook path [m]	L _{ka} [mm]	max. R [kg]				Hoist speed [m/min]	Weight [kg]		
					R1	R2	R3	R4				
50	EZDR 20 1Am	8/1	6	1400	15173	14414	11129	11629	3/0.5	2345		
					15152	14494	11244	11643	0.3-2.5 (3.5)	2533		
					15176	14456	11171	11632	0.2-4 (5.5)	2435		
				2240	15315	13291	12356	12871	3/0.5	2483		
					15294	13371	12471	12885	0.3-2.5 (3.5)	2671		
					15318	13333	12398	12874	0.2-4 (5.5)	2573		
				2800	13892	13209	12474	12998	3/0.5	2573		
					13871	13289	12589	13012	0.3-2.5 (3.5)	2761		
					13895	13251	12516	13001	0.2-4 (5.5)	2663		
				9	1400	-						
						2240	14220	13547	12162	12676	3/0.5	2605
							14199	13627	12277	12690	0.3-2.5 (3.5)	2793
			2800		14223	13589	12204	12679	0.2-4 (5.5)	2695		
					14097	13465	12330	12853	3/0.5	2695		
					14076	13545	12445	12867	0.3-2.5 (3.5)	2883		
			14100		13507	12372	12856	12856	0.2-4 (5.5)	2785		
					-							
					2240	19292	18383	7648	7698	3/0.5	3021	
			19272			18463	7763	7713	0.3-2.5 (3.5)	3211		
			19296			18424	7689	7702	0.2-4 (5.5)	3111		
			2800		15572	14901	11166	11478	3/0.5	3117		
				15552	14981	11281	11493	0.3-2.5 (3.5)	3307			
				15576	14942	11207	11482	0.2-4 (5.5)	3207			
			18.5	1400	-							
					2240	-						
				2800		20730	19792	6457	6336	3/0.5	3315	
					20710	19872	6572	6351	0.3-2.5 (3.5)	3505		
				20734	19833	6498	6340	6340	0.2-4 (5.5)	3405		

FDR 3, 5, 10 foot-mounted hoist

Designation / Description / Model code



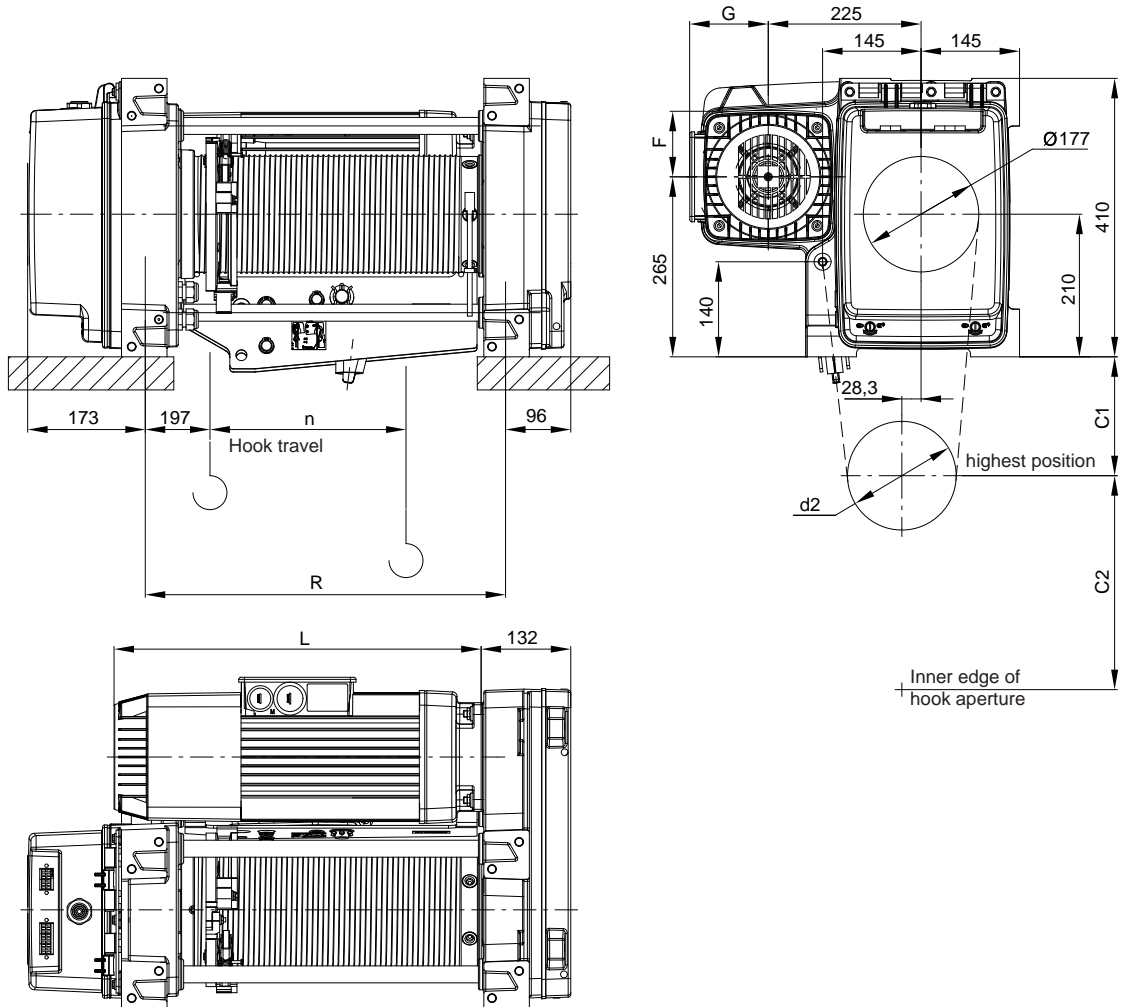
Explanation of size designation / type assignment

F	DR-Pro	10 -	10	4/1 -	6	Z -	6/1 -	400 -	00 -	50	A1	Remarks
												Rope lead-off - position A/B - rope lead-off 1
												Frequency [Hz]
												Electrical equipment code 1)
												Operating voltage [V]
												Hoist speed in m/min
												Motor type: Z = cylindrical rotor
												Hook path in m
												Reeving
												SWL in t
												Series 3; 5; 10
												Demag rope hoist

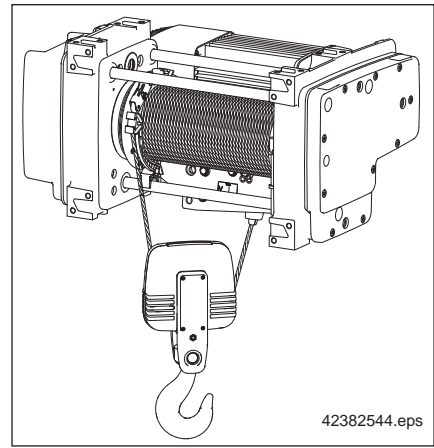
K = Low-headroom monorail hoist
 Z = Double-rail crab
 F = Stationary
 G = Basic hoist

- 1) Code 00 Prepared for electrical equipment supplied by the customer.
 Code 01 FDR with internal electrics for application on a crane. Including crane bridge housing and DSE-10R control pendant with control cable.
 Code 02 FDR with solo electrics for application as a solo crab. Including DSE-10R control pendant with control cable.
 Code 03 Like code 01 but control via DRC radio control system
 Code 04 Like code 02 but control via DRC radio control system.
 Code 05 FDR fitted with parallel "in" interface

Example FDR 3 - 2/1 foot-mounted hoist, mounting position A1

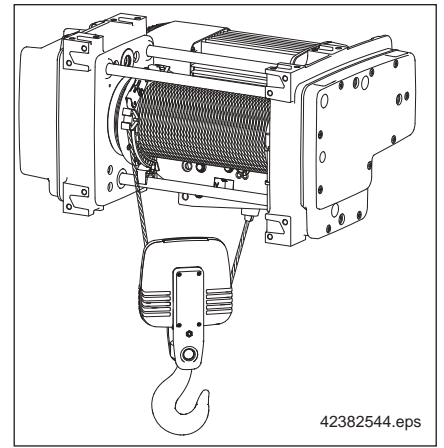


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Type	FEM	SWL [t]	Hook path [m]	Hoist speed [m/min]	Reeving	Weight [kg]
DR 3	4m	1	12	12/2; 18/3; 1-25	2/1	150
			20			185
	3m	1.25	12			150
			20			185
	2m	1.6	12			150
			20			185
	4m	2	6	6/1; 9/1.5; 0.25-12.5	4/1	175 A). 165 B)
			10			205 A). 200 B)
	3m	2.5	6			175 A). 165 B)
			10			205 A). 200 B)
	2m	3.2	6			175 A). 165 B)
			10			205 A). 200 B)
DR 5	4m	1.6	12	12/2; 18/3; 1-25	2/1	210
			20			225
			30			255
	3m	2	12			210
			20			225
			30			255
	2m	2.5	12			210
			20			225
			30			255
	1Am	3.2	12	9/1.5; 11.5/1.9; 1-15.8	210	
			20		225	
			30		255	
	4m	3.2	6	6/1; 9/1.5; 0.25-12.5	4/1	255 A). 250 B)
			10			275 A). 270 B)
			15			380
	3m	4	6			255 A). 250 B)
			10			275 A). 270 B)
			15			380
	2m	5	6			255 A). 250 B)
			10			275 A). 270 B)
			15			380
	1Am	6.3	6	4.5/0.8; 5.8/0.9; 0.5-7.9	255 A). 250 B)	
			10		275 A). 270 B)	
			15		380	
4m	1.6	9.9	12/2; 18/3; 1-25	4/2	250	
		17.9			280	
3m	2	9.9			250	
		17.9			280	
2m	2.5	9.9			250	
		17.9			280	
1Am	3.2	9.9	9/1.5; 11.5/1.9; 1-15.8	250		
		17.9		280		

A) Mounting position A
B) Mounting position B



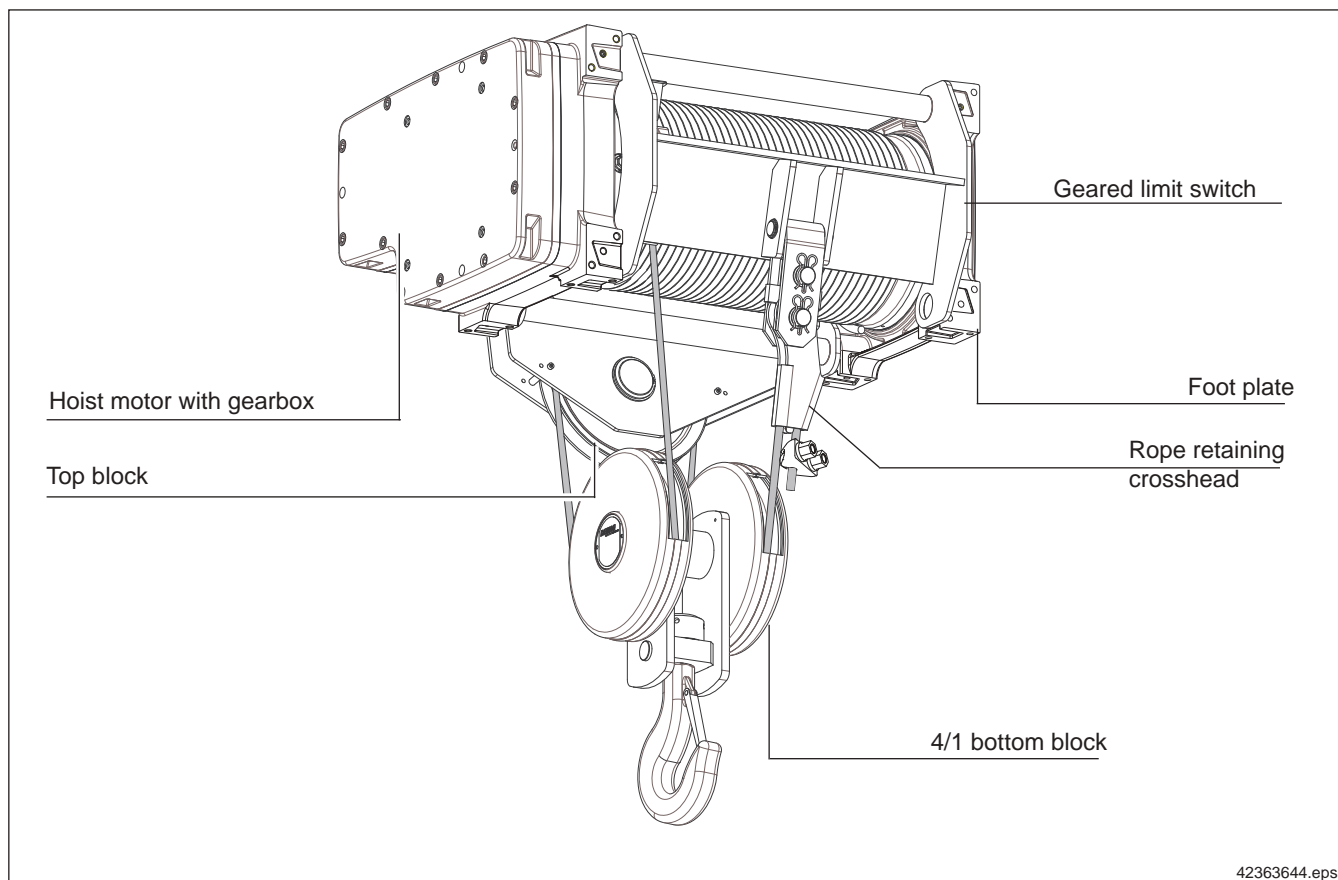
Type	FEM	SWL [t]	Hook path [m]	Hoist speed [m/min]	Reeving	Weight [kg]	
DR 10	4m	3.2	12	10/1.7; 1-18; 1-25	2/1	360	
			30			430	
			40			480	
	3m	4	12			360	
			20			390	
			30			430	
	4m	5	40			480	
			12			360	
			20			390	
	2m	5	30			430	
			40			480	
			12			360	
	1Am	6.3	20	8/1.4; 1-9.3; 2-18.8		390	
			30			430	
			40			480	
	4m	6.3	6	5/0.8; 1-9; 0.5-12.5	4/1	450 A). 440 B)	
			10			490 A). 480 B)	
			15			590	
			20			670	
		3m	8			6	450 A). 440 B)
						10	490 A). 480 B)
						15	590
						20	670
		2m	10			6	450 A). 440 B)
						10	490 A). 480 B)
						15	590
						20	670
	1Am	12.5	6	4/0.7; 0.5-4.6; 1-9.4		450 A). 440 B)	
			10			490 A). 480 B)	
			15			590	
			20			670	
	4m	3.2	5.8	10/1.7; 1-18; 1-25	4/2	410	
			11.35			450	
			25.2			500	
		3m	4			5.8	410
						11.35	450
25.2						500	
2m		5	5.8			410	
			11.35			450	
			25.2			500	
1Am	6.3	5.8	8/1.4; 1-9.3; 2-18.8		410		
		11.35			450		
		25.2			500		

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A) Mounting position A
 B) Mounting position B
 Weights without rope and motor

FDR 20 foot-mounted hoist

Designation / Description / Model code

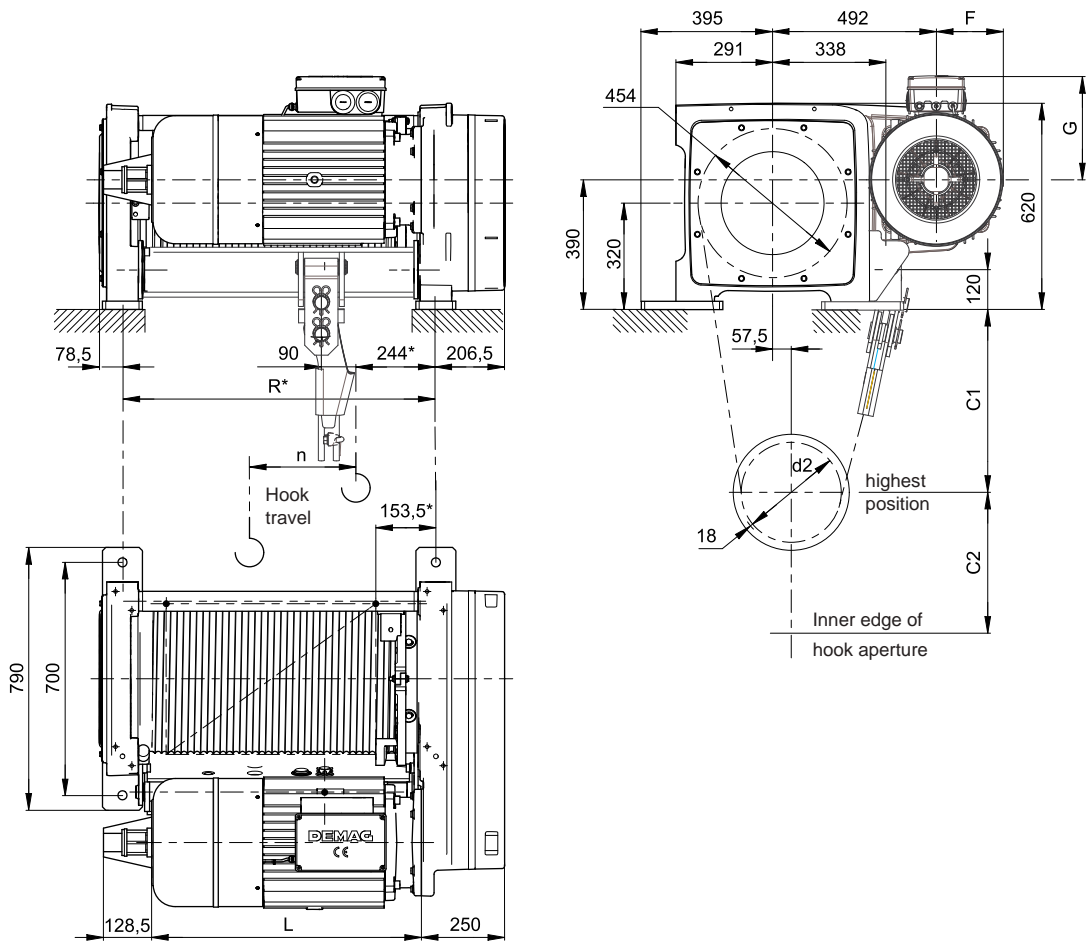


Explanation of size designation / type assignment

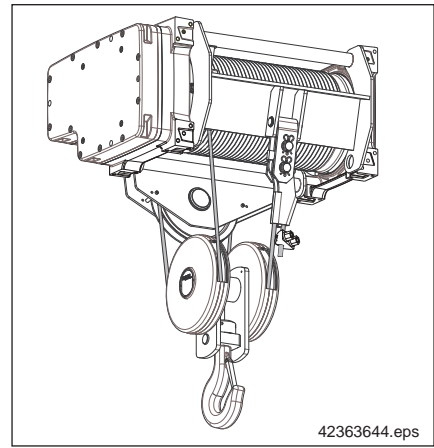
F	DR-Pro	20 -	10	4/1 -	6	Z -	6/1 -	400 -	00 -	50 -	A1	
											Mounting position/rope lead-off - Mounting position A/B/C/D - Rope lead-off 1 4	
											Frequency [Hz]	
											Electrical equipment code 1)	
											Operating voltage [V]	
											Hoist speed in m/min	
											Motor type: Z = cylindrical rotor	
											Hook path in m	
											Reeving	
											SWL in t	
											Range 20	
											Demag rope hoist	
K = Low-headroom monorail hoist Z = Double-rail crab F = Stationary												

- 1) Code 00 Prepared for electrical equipment supplied by the customer
 Code 01 FDR with internal electrics for application on a crane Including crane bridge housing and DSE-10R control pendant with control cable.
 Code 02 FDR with solo electrical equipment for application as a solo travelling hoist. Including DSE-10R control pendant with control cable.
 Code 03 As for code 01 but control via a DRC radio control system.
 Code 04 As for code 02 but control via a DRC radio control system.
 Code 05 FDR with fitted "in" parallel interface.

Example: FDR 20 - 2/1 foot-mounted hoist, mounting postion A1

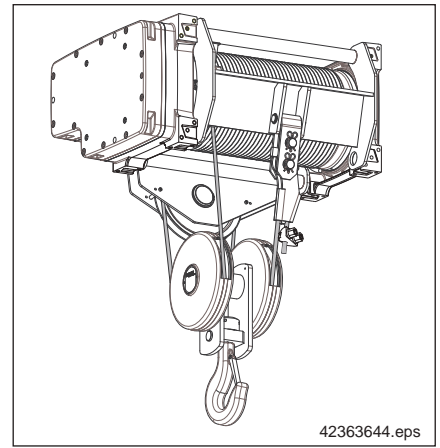


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Type	FEM	SWL [t]	Hook path [m]	Hoist speed [m/min]	Reeving	Weight [kg]
DR 20	4m	6.3	24	6/1; 12/2; 1-16 (22)	2/1	695
			36			783
			54			903
	3m	8	24			695
			36			783
			54			903
	2m	10	24			695
			36			783
			54			903
	1Am	12.5	24			695
			36			783
			54			903
	4m	12.5	12	3/0.5; 6/1; 0.5-5 (7); 0.5-8 (11)	4/1	695
			18			783
			27			903
	3m	16	12			695
			18			783
			27			903
	2m	20	12			695
			18			783
			27			903
	1Am	25	12			695
			18			783
			27			903
	4m	6.3	10.8	6/1; 12/2; 1-16 (22)	4/2	698
			19.7			786
			31.7			906
	3m	8	12.3			698
			21.2			786
			33.2			906
	2m	10	12.3			698
			21.2			786
			33.2			906
	1Am	12.5	12.3			698
			21.2			786
			33.2			906
4m	20	8	4/0.7; 0.3-3.3 (4.7); 0.3-5.3 (7.4)	6/1	695 A). 698 B)	
		12			783 A). 786 B)	
		18			903 A). 906 B)	
		24.7			1045 A). 1048 B)	



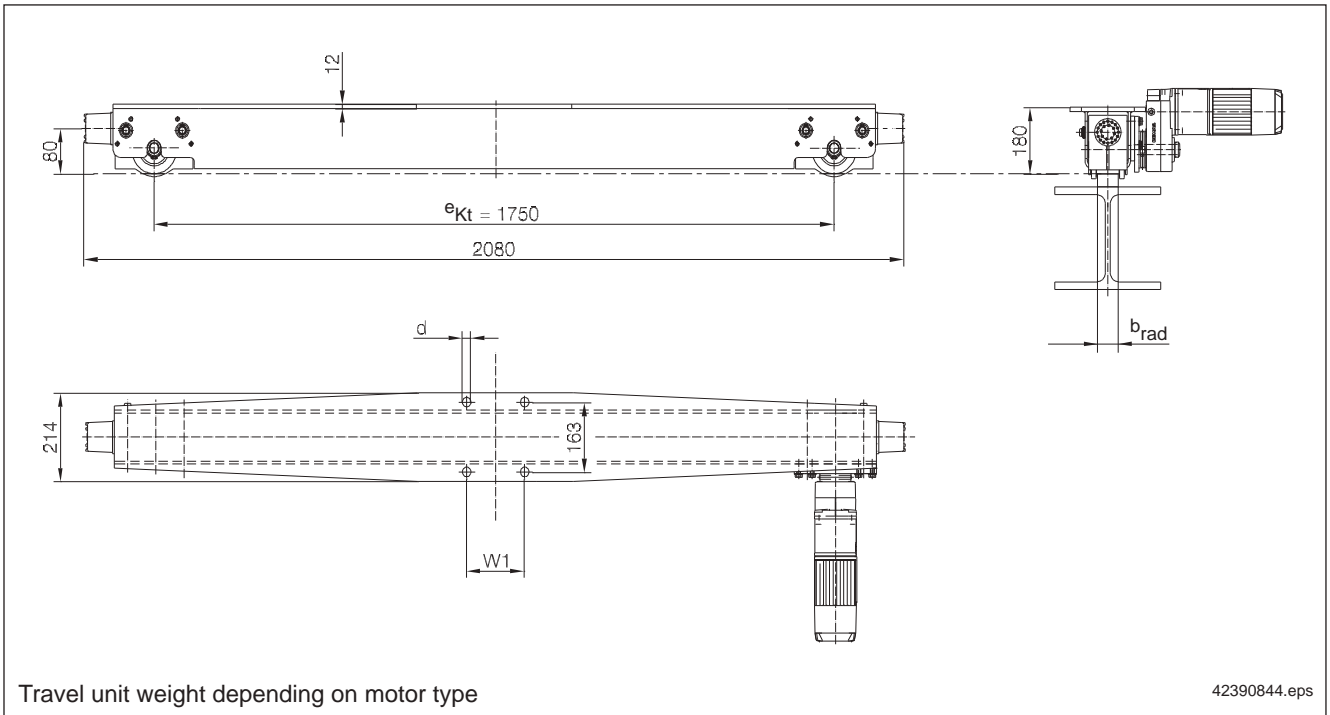
Type	FEM	SWL [t]	Hook path [m]	Hoist speed [m/min]	Reeving	Weight [kg]		
DR 20	3m	25	8	4/0.7; 0.3-3.3 (4.7); 0.3-5.3 (7.4)	6/1	695 A). 698 B)		
			12			783 A). 786 B)		
			18			903 A). 906 B)		
			24.7			1045 A). 1048 B)		
	2m	32	8			695 A). 698 B)		
			12			783 A). 786 B)		
			18			903 A). 906 B)		
			24.7			1045 A). 1048 B)		
	1Am	40	8			695 A). 698 B)		
			12			783 A). 786 B)		
			18			903 A). 906 B)		
			24.7			1045 A). 1048 B)		
	4m	25	6	3/0.5; 0.3-2.5 (3.5); 0.2-4 (5.5)	8/1	695 A). 698 B)		
			9			783 A). 786 B)		
			13.5			903 A). 906 B)		
			18.5			1045 A). 1048 B)		
	3m	32	6			695 A). 698 B)		
			9			783 A). 786 B)		
			13.5			903 A). 906 B)		
			18.5			1045 A). 1048 B)		
	2m	40	6			695 A). 698 B)		
			9			783 A). 786 B)		
			13.5			903 A). 906 B)		
			18.5			1045 A). 1048 B)		
	1Am	50	6			695 A). 698 B)		
			9			783 A). 786 B)		
			13.5			903 A). 906 B)		
			18.5			1045 A). 1048 B)		
	4m	12.5	5.9			3/0.5; 6/1; 0.5-5 (7); 0.5-8 (11)	8/2	698
			10.3					768
			16.3					906
			23.4					1048
3m	16	5.9	698					
		10.3	768					
		16.3	906					
		23.4	1048					
2m	20	5.9	698					
		10.3	768					
		16.3	906					
		23.4	1048					
1Am	25	5.9	698					
		10.3	768					
		16.3	906					
		23.4	1048					

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A) Mounting position A
B) Mounting position B

DFW-L-L crane travel unit

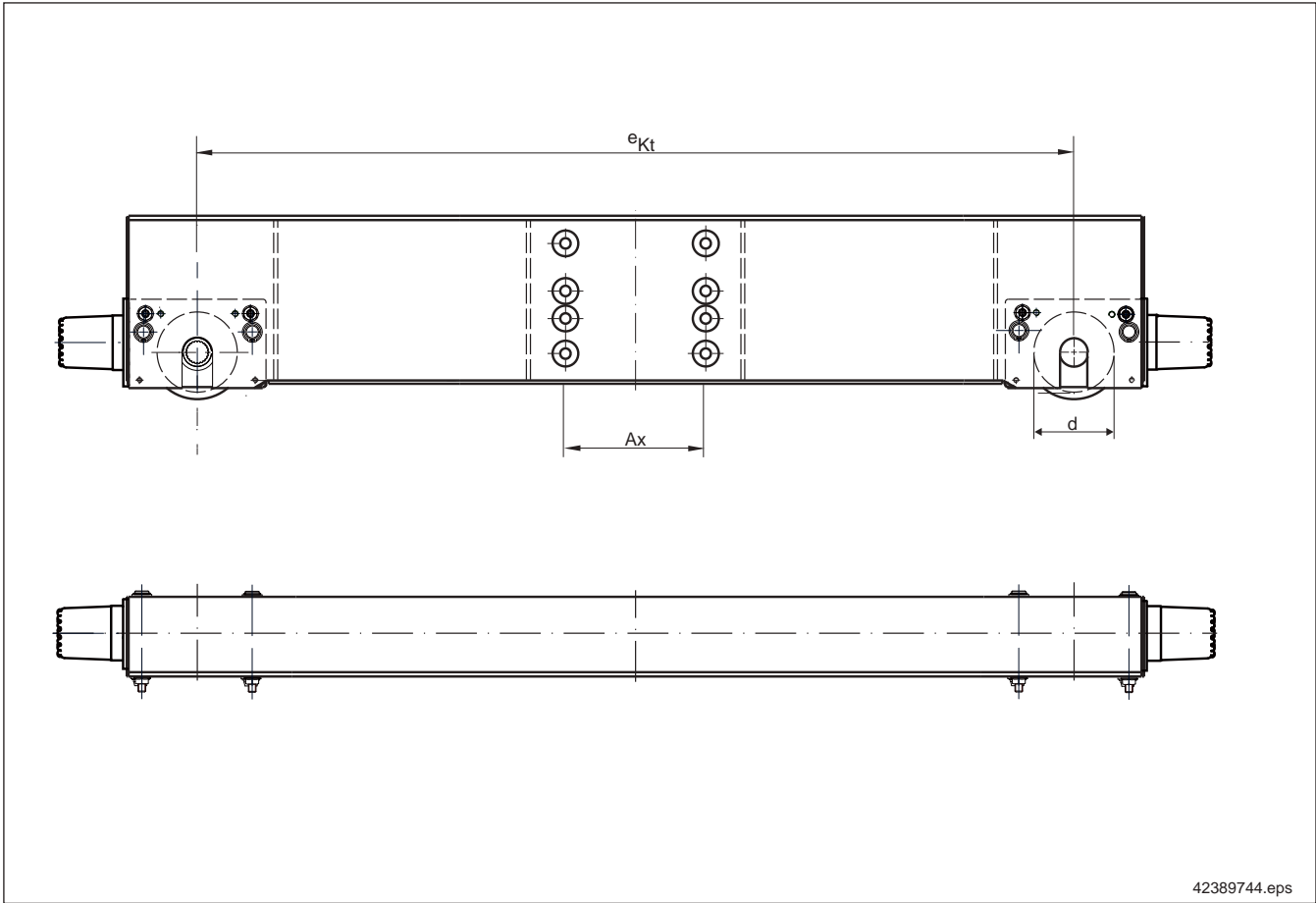
e.g. for single-girder overhead travelling crane type ELKE



Wheel diameter d	Gearbox (shaft diameter)	b_{wheel}	e_{Kt}	W1	Weight [kg]
112	A10 (W=30)	47	1750	120	100
		60			

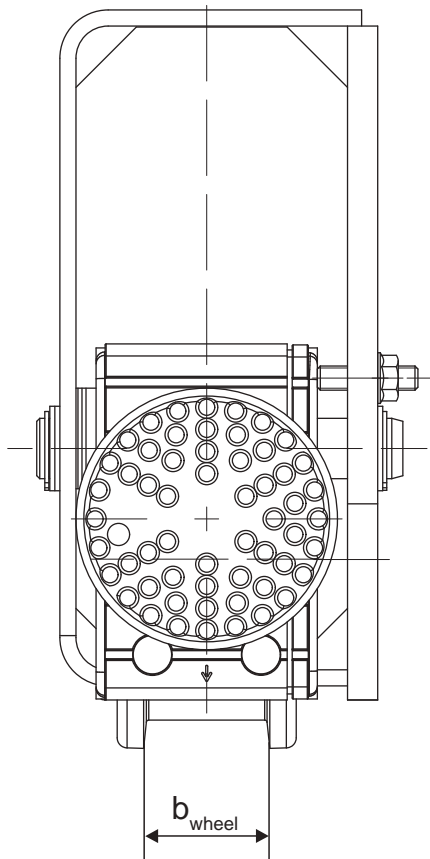
DFW-L-E crane travel unit

e.g. for single-girder overhead travelling crane type EKKE



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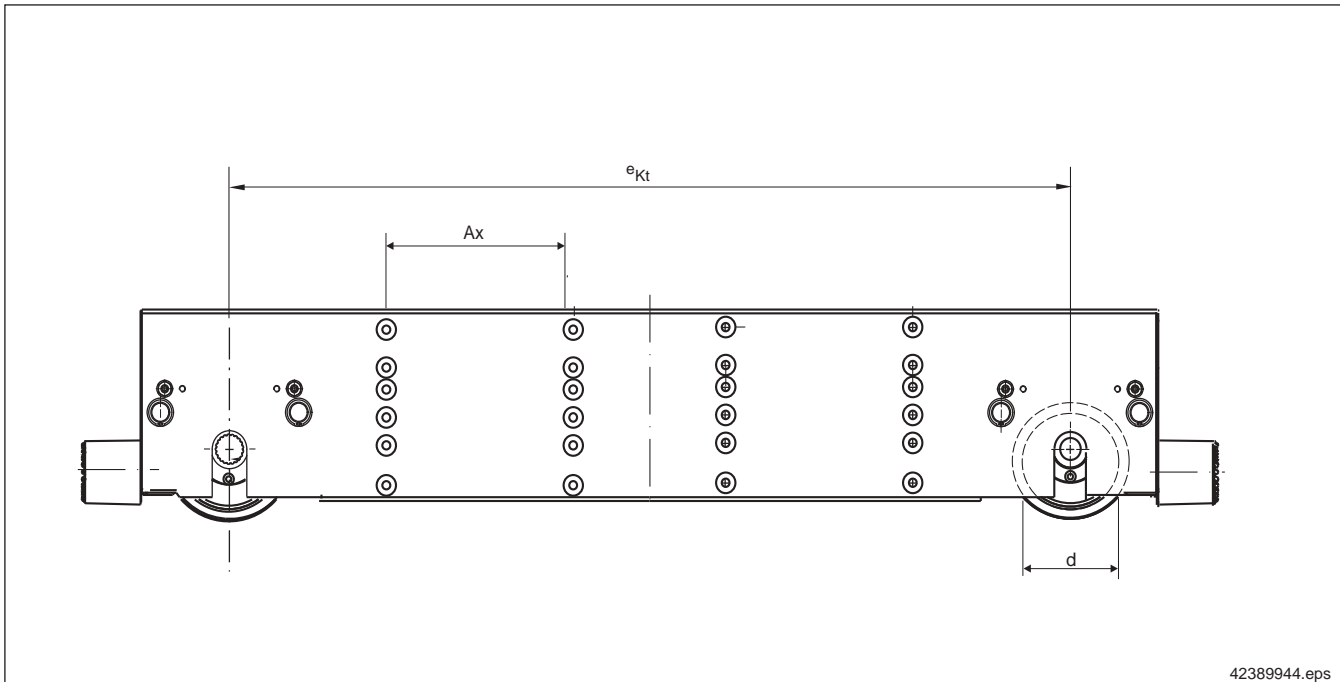
Side view



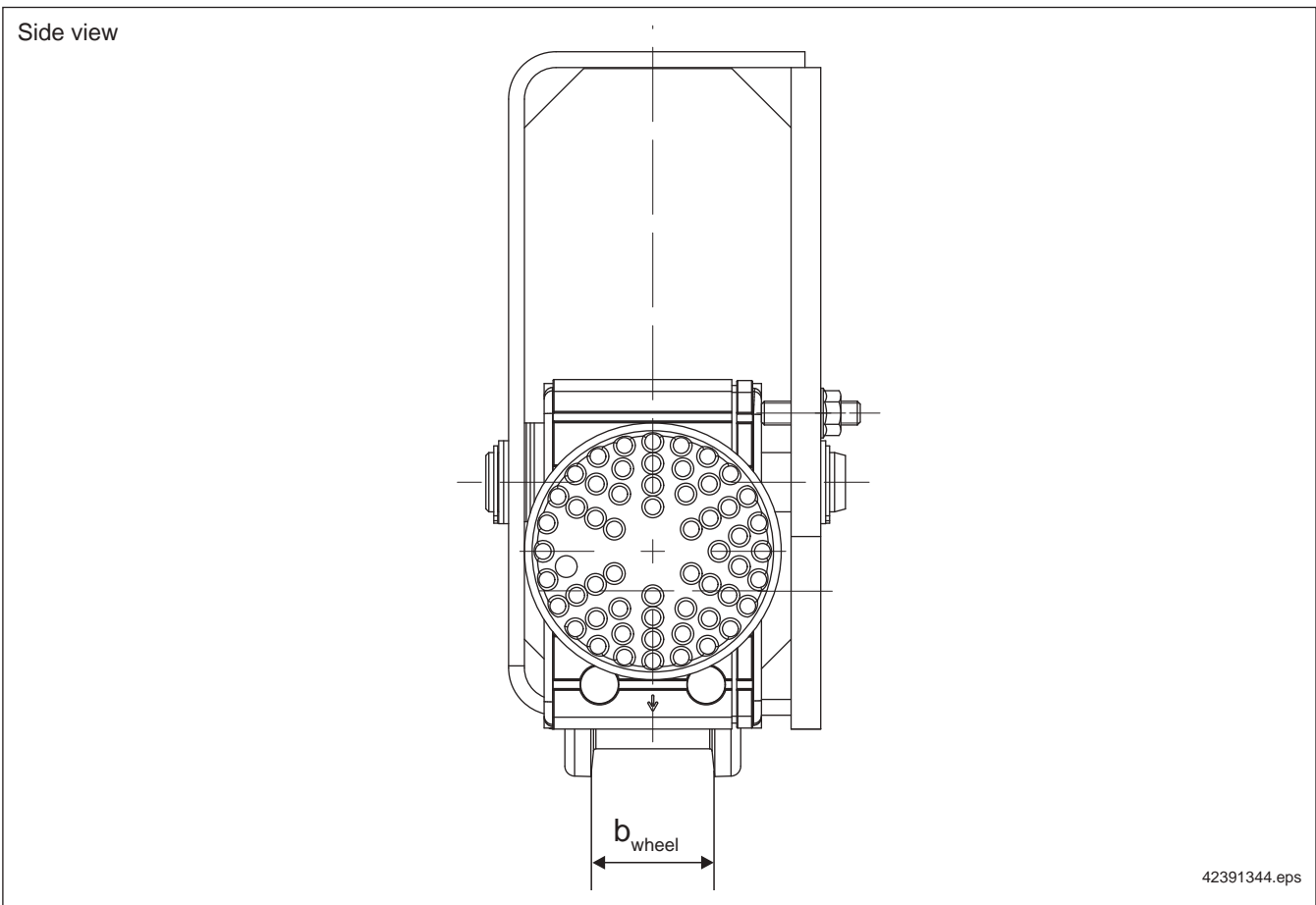
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Wheel diameter d	Gearbox (shaft diameter)	b_{wheel}	e_{Kt}	Ax	Weight [kg]
112	A10, A20 (W=30)	47	2000	280	113
			2500		153
		60	2000		113
			2500		153
125	A10 (W=30) A20 (W=35)	47	2000	280	152
			2500		202
			3150		269
		60	2000		152
			2500		202
			3150		269
	A30 (W=35)	47	2000	280	152
			2500		202
			3150		269
		60	2000		152
			2500		202
			3150		269
160	A20 (W=35)	47	2000	280	195
			2500	257	
			3150	500	341
		60	2000	280	195
			2500	257	
			3150	500	341
		65	2000	280	195
			2500	257	
			3150	500	341
	A30, A40 (W=45)	47	2000	280	195
			2500	257	
			3150	500	341
		60	2000	280	195
			2500	257	
			3150	500	341
		65	2000	280	195
			2500	257	
			3150	500	341
200	A30 (W=45) A40 (W=50)	65	2000	280	300
			2500	380	
			3150	500	462
			4000	586	

DFW-L-Z crane travel unit e.g. for double-girder travelling crane type ZKKE



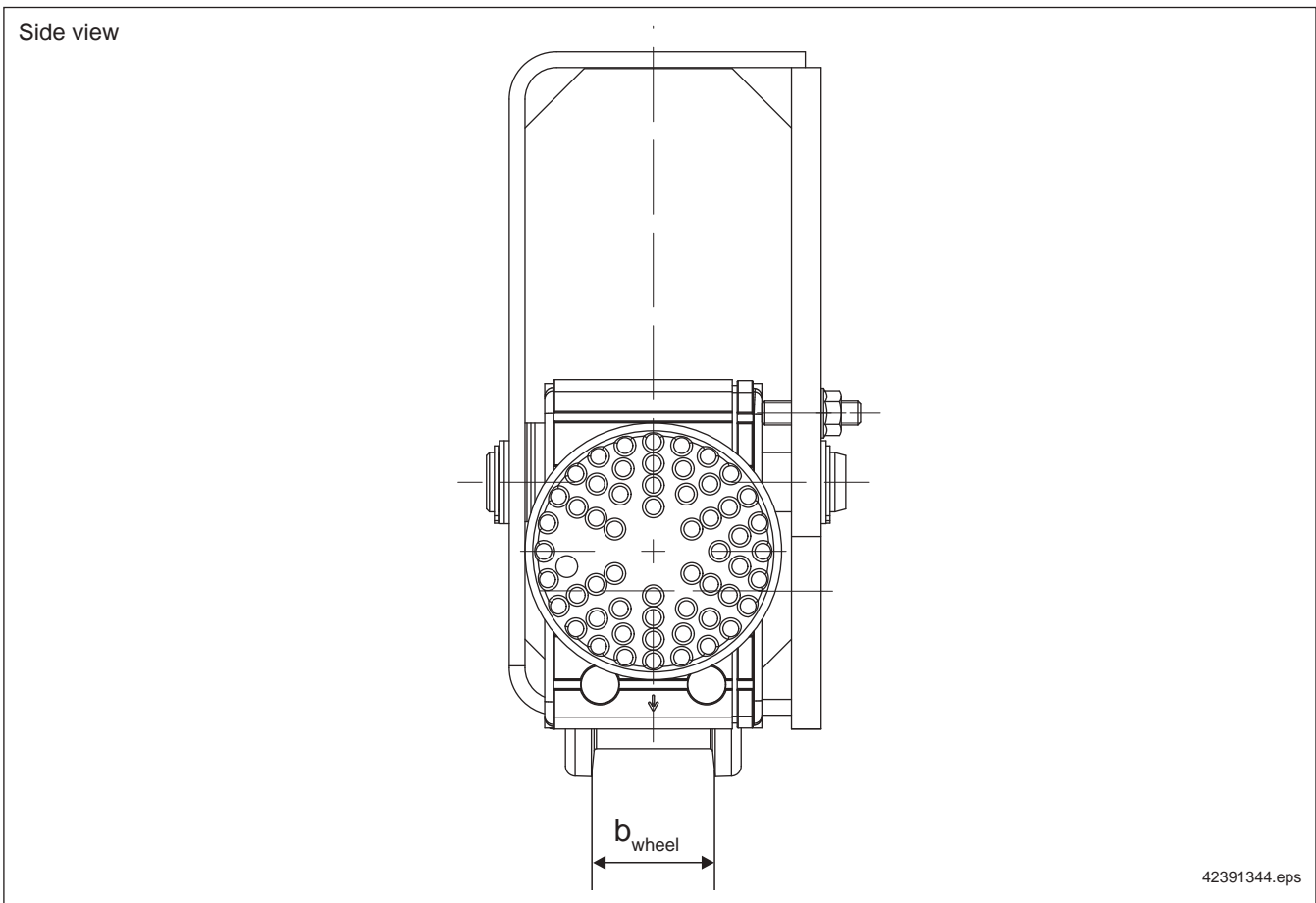
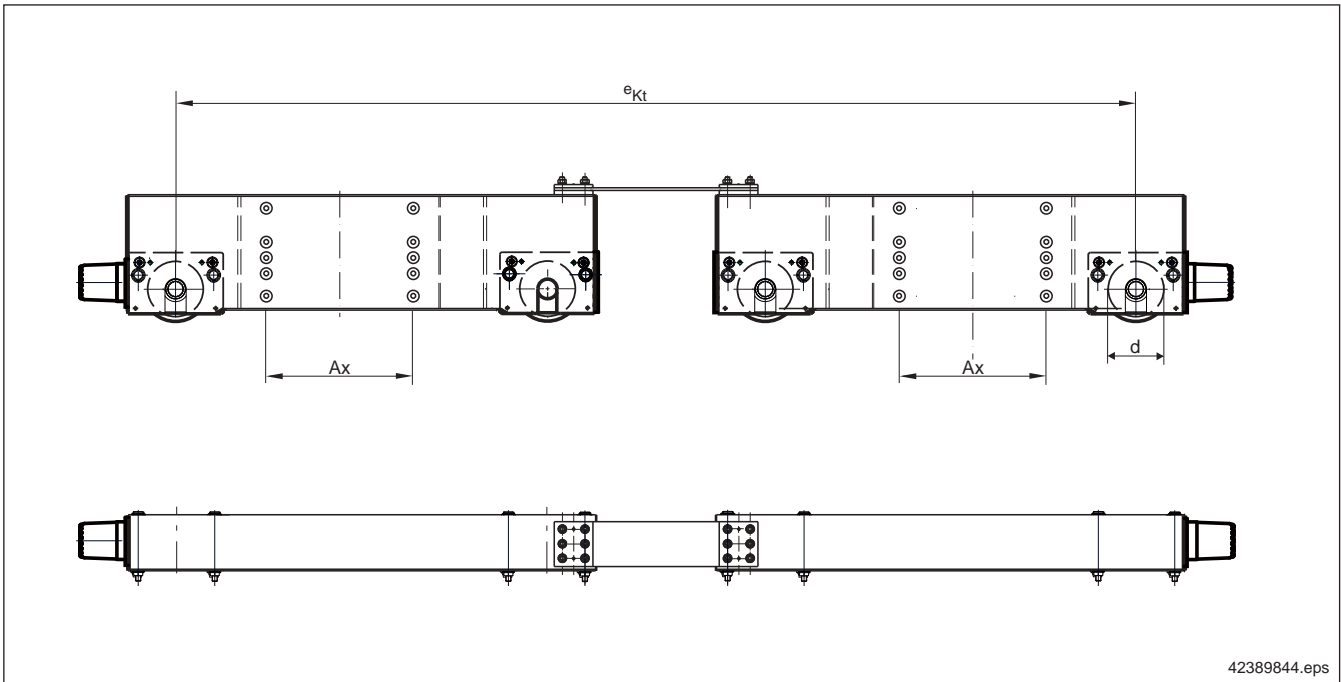
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Wheel diameter d	Gearbox (shaft diameter)	b_{wheel}	e_{kt}	Ax	Weight [kg]		
160	A20 (W=35) A30, A40 (W=45)	47	2500	280	212		
			3150	500	280		
		60	2500	280	212		
			3150	500	280		
		65	2500	280	212		
			3150	500	280		
200	A30 (W=45) A40, A50 (W=50)	65	2500	280	293		
			3150	500	357		
			4000	350	450		
250	A40 (W=50) A50, A60 (W=65)	52	2500	280	437		
			3150	500	536		
			4000	650	630		
		65	2500	280	437		
			3150	500	536		
			4000	650	630		
		75	2500	280	437		
			3150	500	536		
			4000	650	630		
		315	A50 (W=65) A60, A70 (W=75)	80	2500	280	660
					3150		500
					4000	907	
4200	650				936		
5000	800				1110		
90	2500			280	660		
	3150			500	784		
	4000				907		
	4200			650	936		
	5000			800	1110		
110	2500			280	660		
	3150			500	784		
	4000				907		
	4200			650	936		
	5000			800	1110		
400	A60 (W=75) A70, A80 (W=90)			90	3150	280	1115
					4000	500	1189
					4500	650	800
		800					
		5000	650		800	1416	
			800				
		110	3150	280	1115		
			4000	500	1189		
			4500	650	800	1329	
				800			
			5000	650	800	1416	
				800			

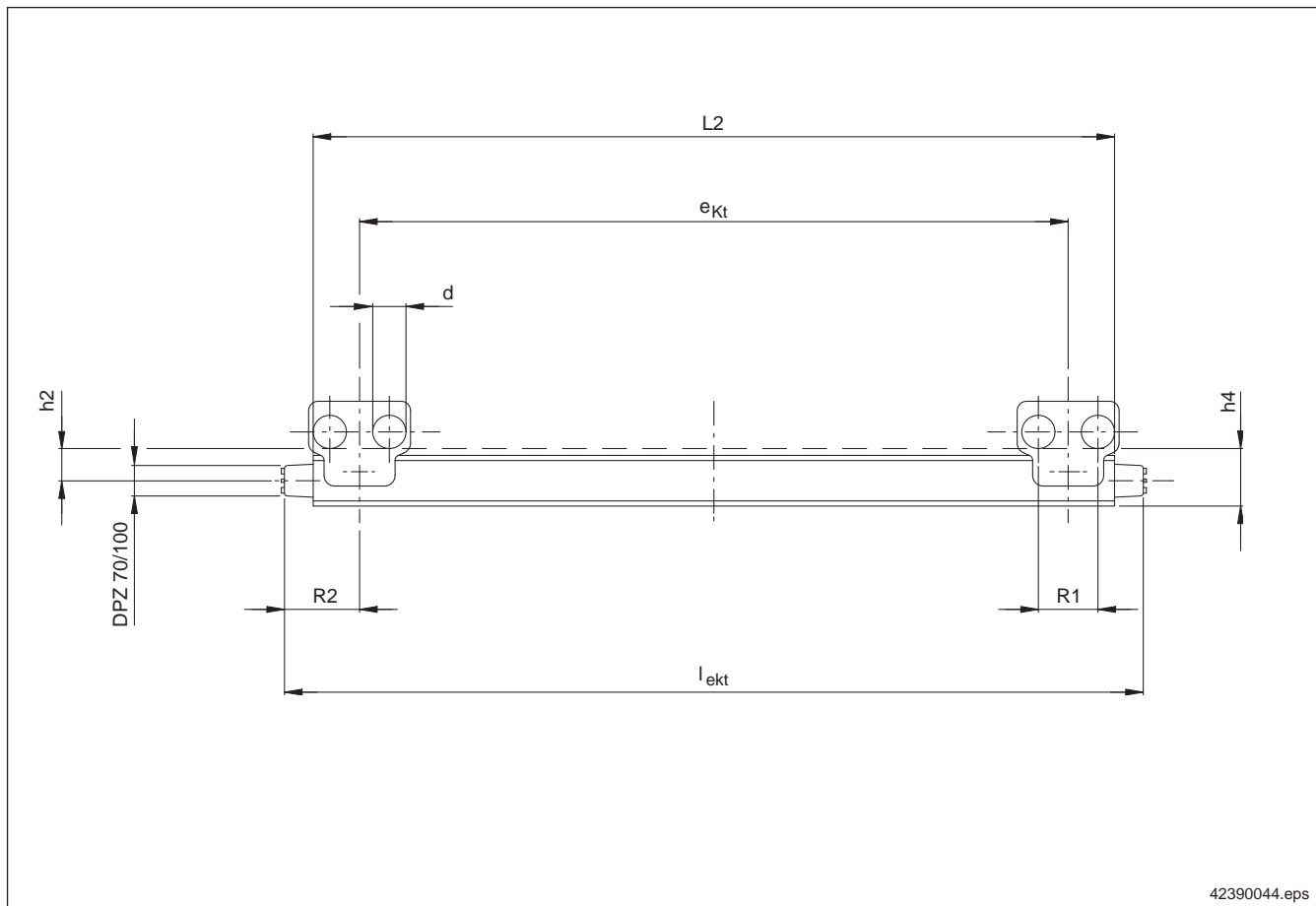
DFW-L-T crane travel unit e.g. for double-girder travelling crane type ZKKE



Wheel diameter d	Gearbox (shaft diameter)	b _{wheel}	e _{Kt}	Ax	Weight [kg]
250	A40 (W=50) A50, A60 (W=65)	52	1750	500	1040
		55			
		65			
		75			
		52		650	
		55			
		65			
		75			
		52		650	
		55			
		65			
		75			
315	A50 (W=65) A60, A70 (W=75)	65	1600	650	1280
		75			
		80			
		90			
		65	1600	500	1280
		75			
		80			
		90			
		65	2000	500	1450
		75			
		80			
		90			
		65	2000	650	1450
		75			
		80			
		90			
		65	2000	800	1450
		75			
		80			
		90			

KTD-E crane travel unit

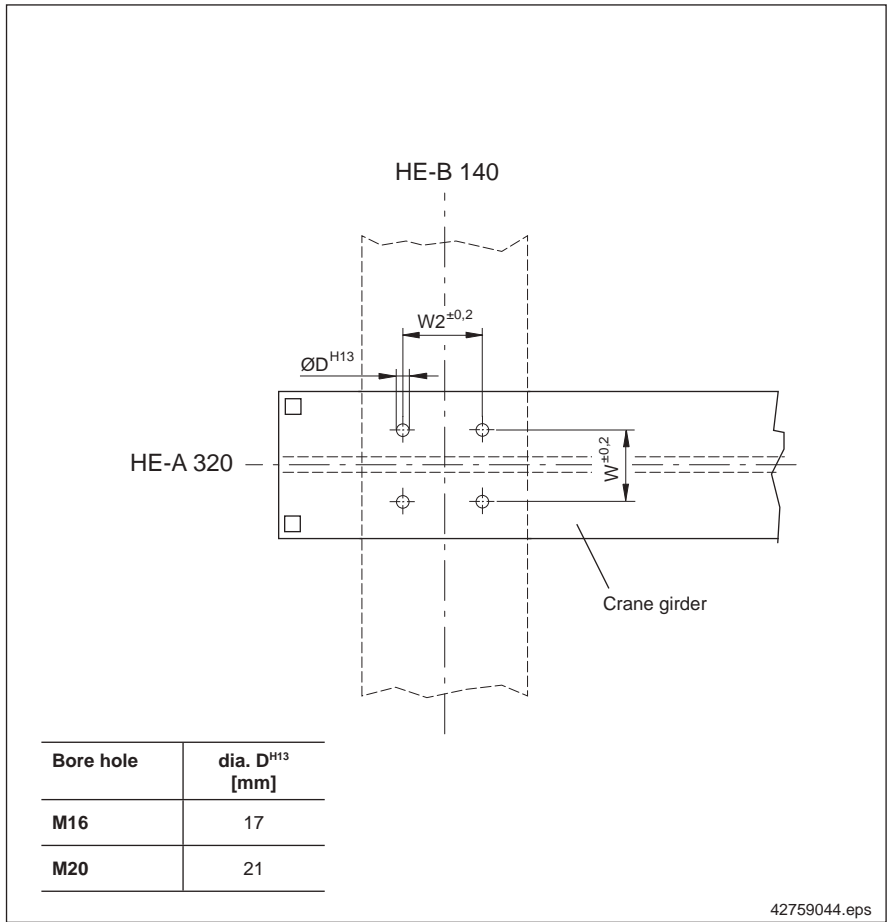
e.g. for single-girder suspension crane type EDKE



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Wheel diameter [mm]	e_{kt} [mm]	l_{ekt} [mm]	DPZ [mm]	Buffer length [mm]	$L2$ [mm]	$R1$ [mm]	$R2$ [mm]	$h2$ [mm]	$h4$ [mm]	Weight [kg]
80	1700	2060	70	66	1928	145	180	77	143	90
	2200	2540			2408		170		27	
		2600	2400							
112	1700	2110	70	66	1978	168	205	91	149	115
		2170	100	100	1970				170	
	2200	2540	70	66	2408		300			
		2600	100	100	2400				275	
125	1700	2240	70	66	2108	220	85	223		262
		2300	100	100	2100					
	2500	3050			2850					

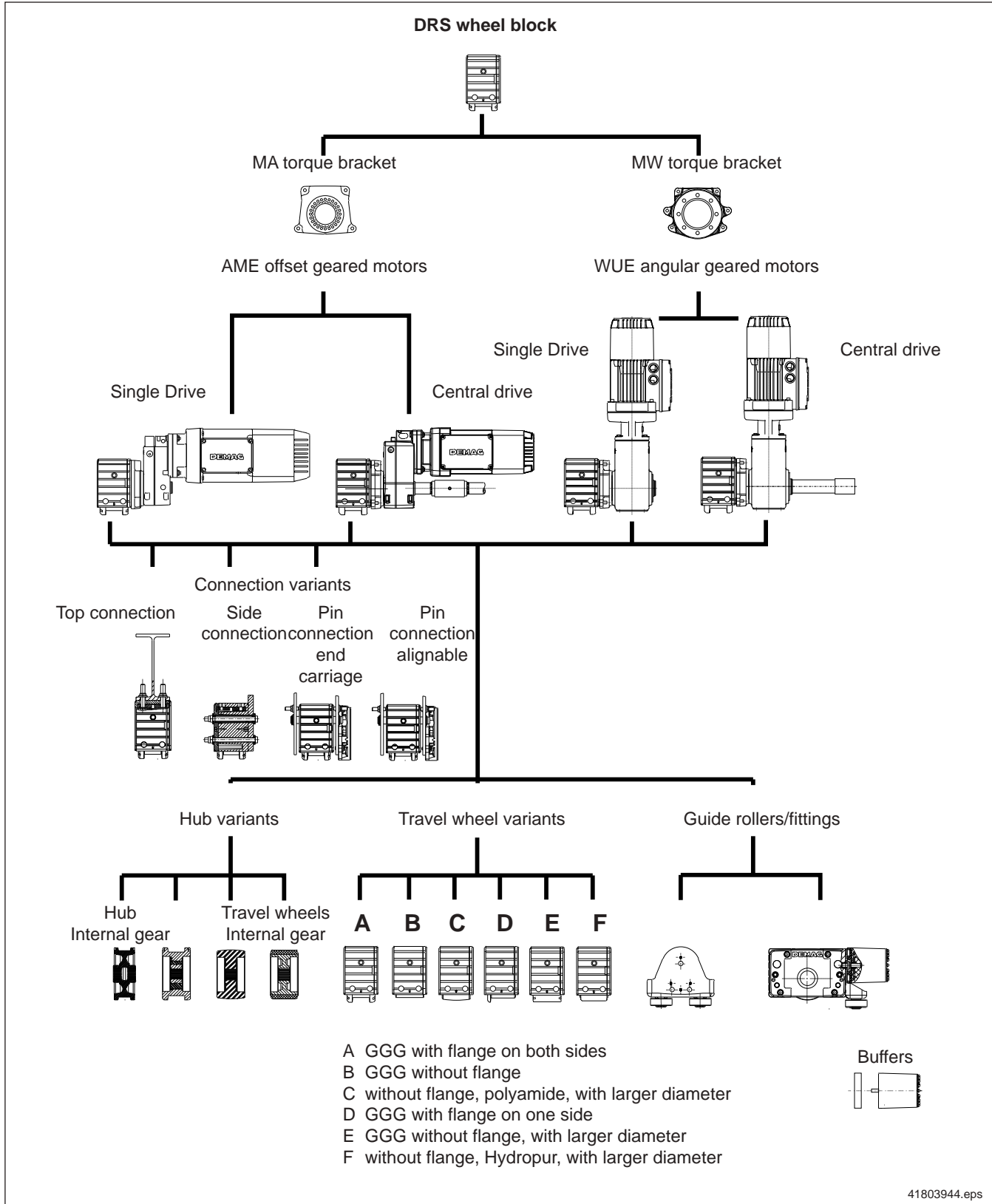
Dimension example
Crane girder HE-A / connection to
crane travel unit HE-B



Crane girder HE-A	H [mm]	W [mm]	Crane travel unit HE-B	W2 [mm]
320	310	120	100	66
340	330		120	
360	350		140	
400	390		160	80
450	440		180	
500	490		200	
550	540		220	
			240	120

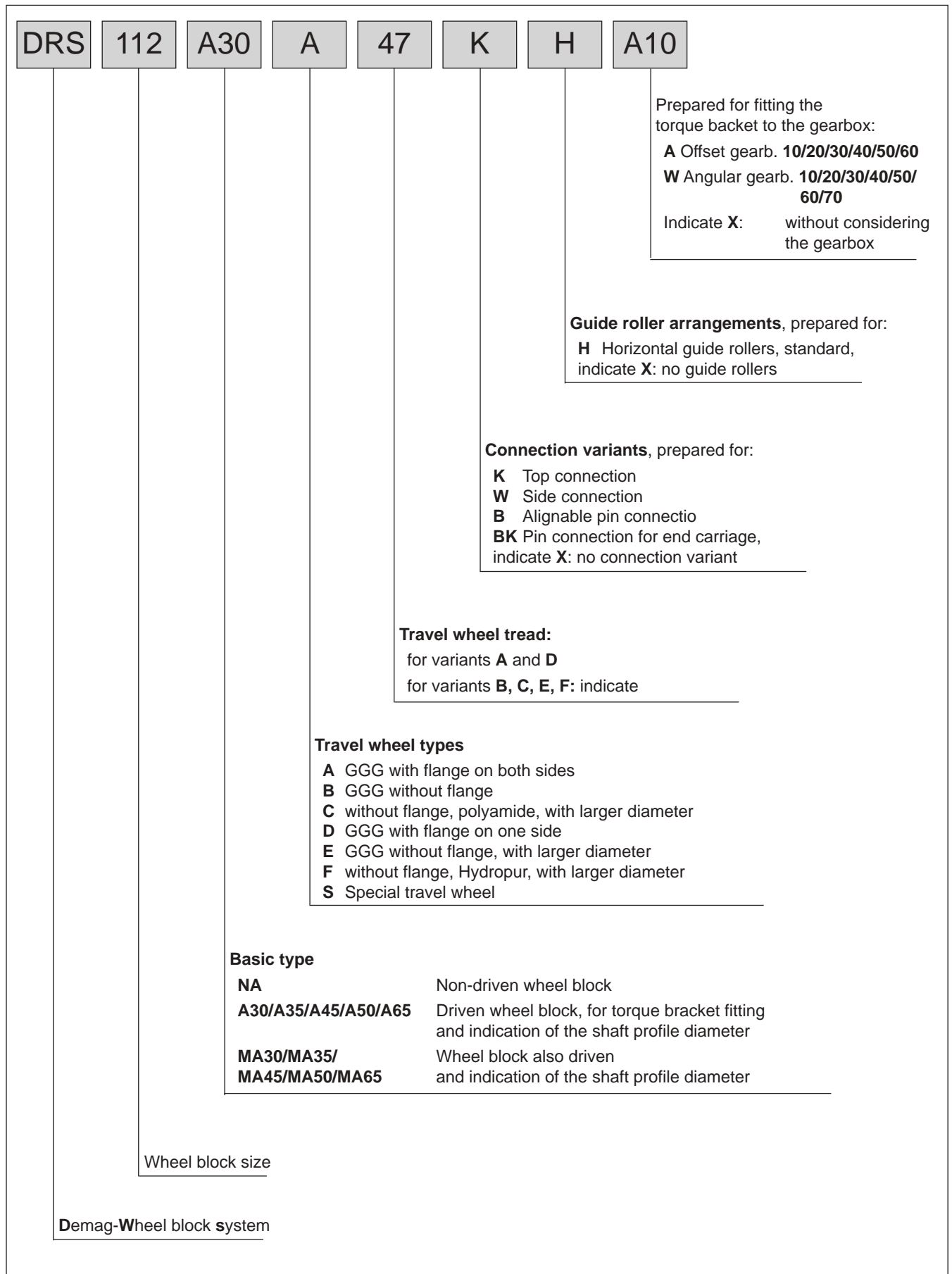
Modular wheel block system

The patented modular wheel block system is an optimum combination of drives and rail-guided travel units. The wheel block system is used to carry, guide and drive loads. All fittings feature connection arrangements which have been proven over decades.



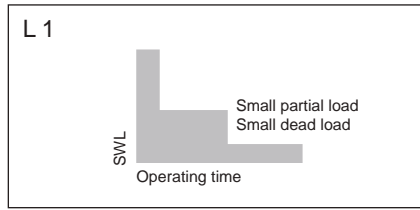
For an explanation of the travel wheel materials see Technical data Demag DRS wheel block system 203 352 44, chapter 1.7

Type code (example) for basic wheel blocks



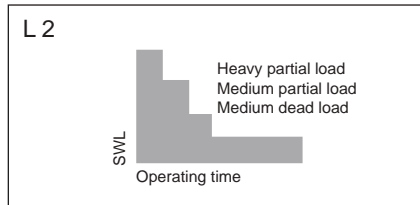
Demag DRS wheel block system Selection

2.1 Load spectra



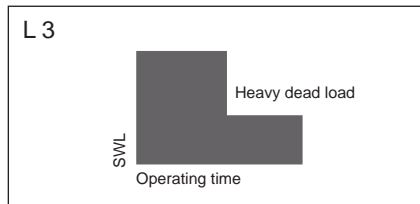
Light ($k \leq 0.5$):

Drive mechanisms or parts thereof usually subject to very small loads and in exceptional cases only to maximum loads.



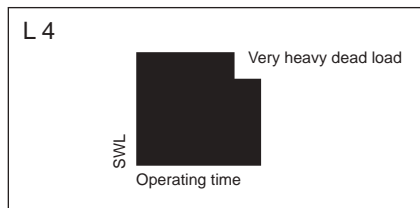
Medium ($0.5 < k \leq 0.63$):

Groups of mechanisms or parts thereof which are usually subject to small loads but rather often to maximum loads.



Heavy ($0.63 < k \leq 0.8$):

Groups of mechanisms or parts thereof which are usually subject to medium loads but often to maximum loads.



Very heavy ($0.8 < k \leq 1$):

Groups of mechanisms or parts thereof which are usually subject to maximum or almost maximum loads.

Load spectrum		Average operating time per day in hours							
		≤ 0.25	≤ 0.5	≤ 1	≤ 2	≤ 4	≤ 8	≤ 16	> 16
Light	$k \leq 0.50$	-	-	-	1Bm	1Am	2m	3m	40
Medium	$k \leq 0.63$	-	-	1Bm	1Am	2m	3m	4m	5m
Heavy	$k \leq 0.80$	-	1Bm	1Am	2m	3m	4m	5m	-
Very heavy	$k \leq 1$	1Bm	1Am	2m	3m	4m	5m	-	-

2.2 Selection of the wheel block size

Quick selection of wheel block sizes depending on moving masses according to groups of mechanisms and travel speed.

The selection is based on the maximum useful rail head width of flat rails.

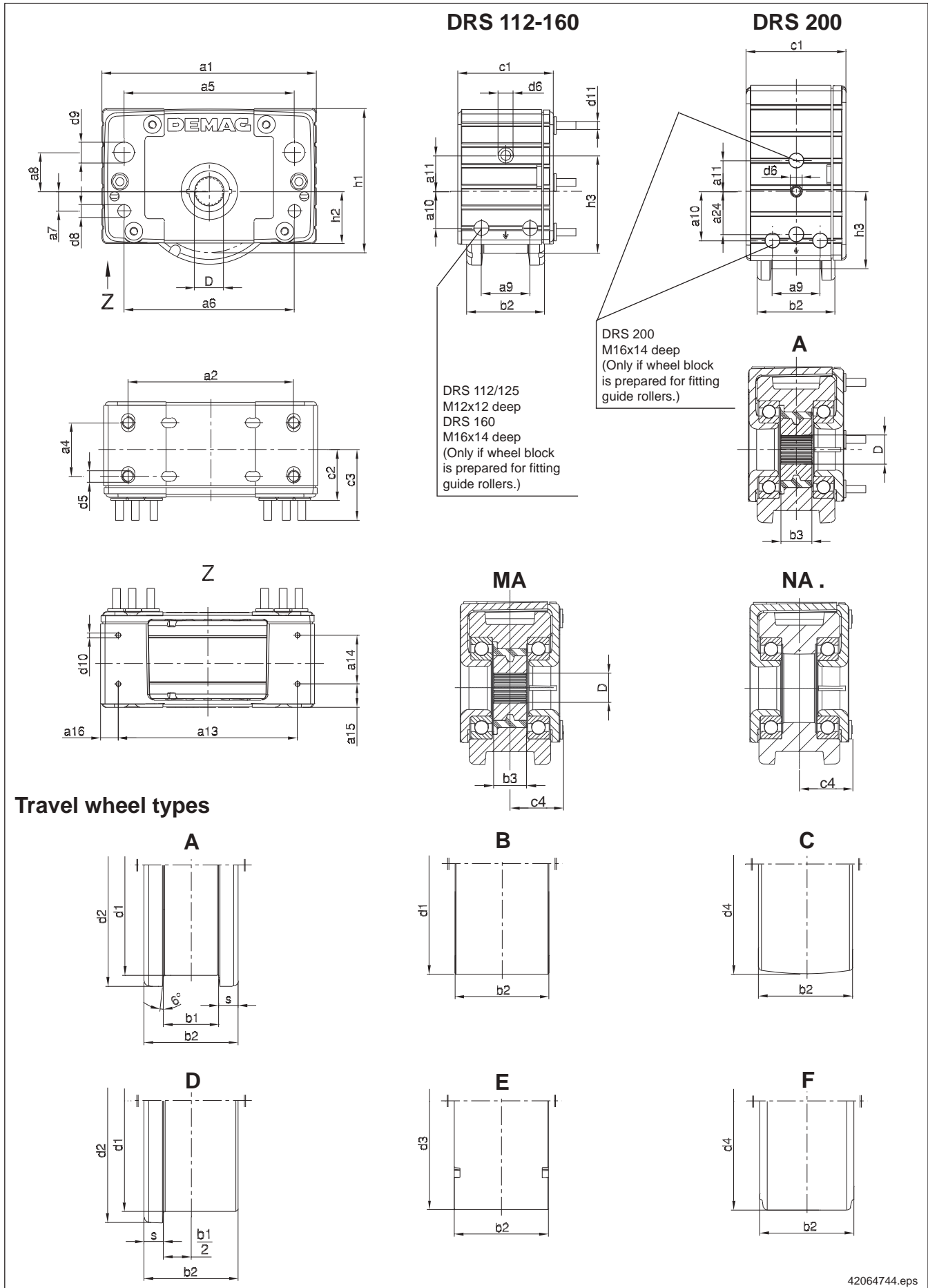
Group of mechanism/load group					Travel speed in m/min											
FEM	3 m	2 m	1 Am	1 Bm	12.5	16	20	25	31.5	40	50	63	80	100	125	160
ISO	M 6	M 5	M 4	M 3												
Mass in kg	1140	1440	1810	2280												
	1240	1560	1970	2480				112								
	1340	1680	2120	2670												
	1440	1810	2280	2750												

Group of mechanism/load group					Travel speed in m/min												
FEM	3 m	2 m	1 Am	1 Bm	12,5	16	20	25	31,5	40	50	63	80	100	125	160	
ISO	M 6	M 5	M 4	M 3													
	1240	1560	1970	2480													
	1340	1680	2120	2670													
	1440	1810	2280	2750													
	1580	1990	2500	3150													
	1710	2090	2720	3420													
	1840	2320	2930	3690													
	1990	2500	3150	3970					125								
	2150	2710	3420	4300													
	2320	2930	3690	4650													
	2500	3150	3970	5000													
	2900	3650	4520	5560													
	3150	3960	4870	6000													
	3390	4230	5210	6410					160								
	3650	4520	5570	6850													
	3950	4850	5980	7000													
	4350	4900	6040	7440													
	4720	5290	6510	8010													
	5080	5650	6960	8570													
	5480	6040	7440	9160					200								
	5930	6490	7990	9840													
	6340	6960	8570	10000													
	6450	7200	8860	10910													
	6730	8290	10200	12560													
	7200	8860	10910	13430													
	7730	9520	11720	14430					250								
	8290	10200	12550	15470													
	9520	11720	14430	16000													
	12050	12920	13850	16410													
	12360	13240	14350	17670													
	12640	13540	15340	18890													
	12920	13850	16410	20200					315								
	13230	14310	17620	21700													
	13540	15340	18890	22000													
	17480	19390	20980	25830													
	18540	19880	22590	27810													
	18960	20320	24150	29740					400								
	19390	20980	25830	30000													
	21668	24792	28041	34523													
	23120	25411	30197	37176													
	24244	26225	32287	39750					500								
	24792	28041	34523	40000													

Mass in kg

Demag DRS wheel block, data and dimensions

Data and dimensions DRS 112 – 200



DRS wheel block dimensions

Wheel block	Involute splining	Dimensions in mm										
DRS	DIN 5480 ¹⁾	a1	a2	a4		a5	a6	a7	a8	a9	a10a1	a11
Size	D					± 0.02	± 0.1	± 0.1	± 0.02		1	
112	N 30	190	145	45	+ 4 - 7	145	145	30	40	40	30	24
125	N 30 N 35	220	170	55	+ 4 - 7	175	175	20	40	50	37	37.5
160	N 35 N 45	275	220	55	+ 3 - 5	220	220	25	55	54	47.5	20
200	N 45 N 50	340	275	65	+ 3 - 5	275	275	35	75	62	64	40

Wheel block	Dimensions in mm													
DRS	a13	a14	a15	a16	a24	b1	b1	b2	b3	c1	c2	c3	d1	d2
Size						max.	²⁾						- 0.2	
112	160	40	28	15	-	60	62	80	36	96	51	70.5	112	132
125	184	50	24	18	-	60	62	80	33	98	52	73	125	150
160	-	-	-	-	-	65	67	89	33	110	59	84	160	188
200	-	-	-	-	56	67	75	101	36	130	69	93.3	200	230

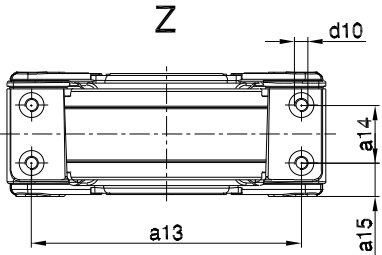
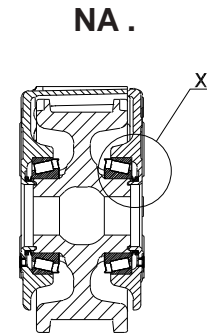
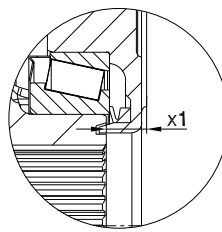
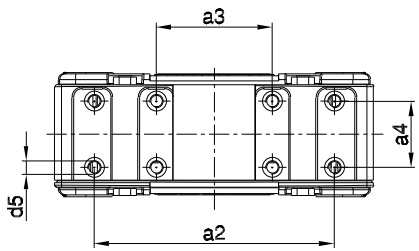
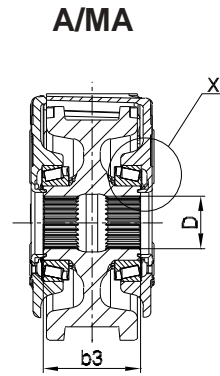
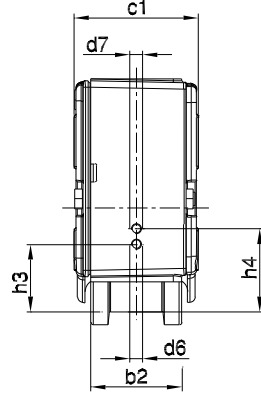
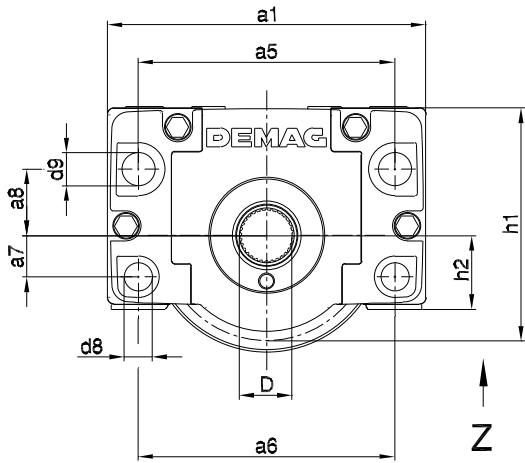
Wheel block	Dimensions in mm											
DRS	d3	d4	d5	d6	d8	d9	d10	d11	h1	h2	h3	s
Size	- 0.2					F 8						
112	126	130	M12	M12	10.5	18.5	4.9x8.5 deep	M8	131	47	80	10
125	145	140	M12	M12	13	21	4.8x5 deep	M8	147.5	53.5	100	10
160	183	180	M16	M12	17	30	-	M10	187	70	100	12
200	226	225	M16	M12	20	35	-	M10	238	90	100	18

Wheel block	max. wheel load in kg					
DRS	Travel wheel variants					
Size	A	B	C	D	E	F
112	7.4	6.6	5.3	7.1	8.1	7.8
125	9.9	8.7	6.3	9.3	11.5	8.4
160	18.3	16.1	17	17.2	20.1	15.1
200	35.7	32.5	23.6	34.1	41.6	29.2

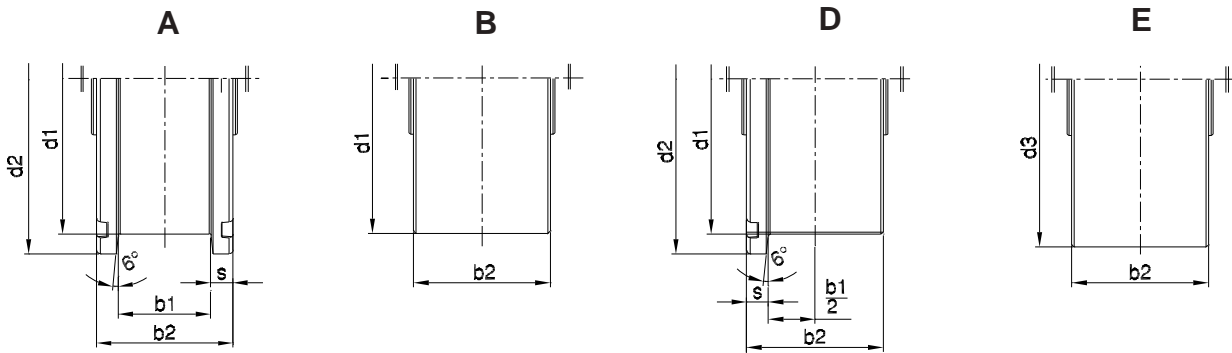
1) Note: Note drive combinations in the Technical data Demag DRS wheel block system 203 352 44, section 2.3!

2) Hardened treads and flanges, flanges without wear indicator

Data and dimensions DRS 250 – 500



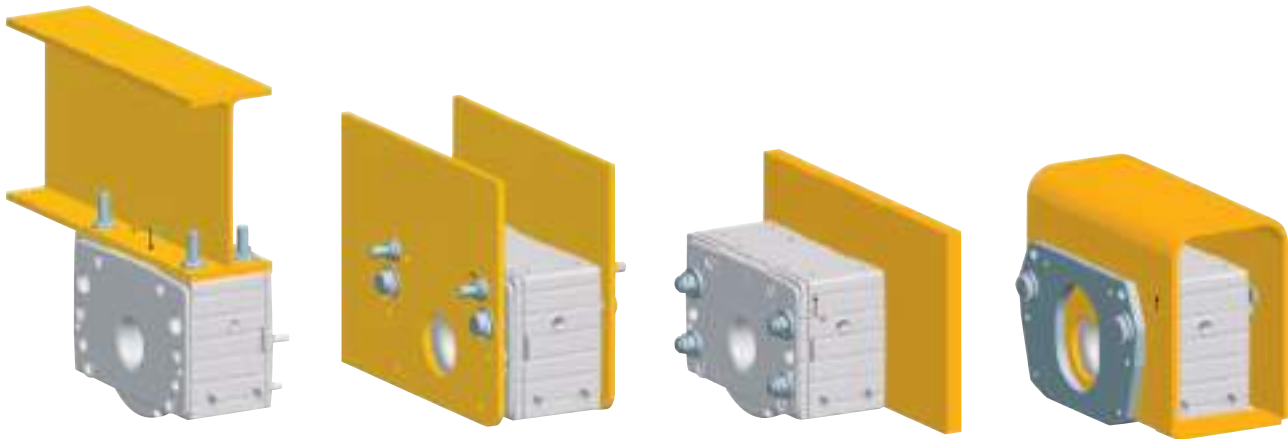
Travel wheel types



Wheel block	Involute splining	Dimensions in mm									
DRS	DIN 5480	a1	a2	a3	a4	a5	a6	a7	a8	a13	a14
Size	D		± 0.2	± 0.2	± 0.2	± 0.04	± 0.04	± 0.02	± 0.02	± 0.41	± 0.21
250	N 50 N 65	385	290	140	80	310	310	50	80	326	70
315	N 65 N 75	470	360	180	100	370	370	70	80	405	80
400	N 75 N 90	580	440	210	120	450	450	95	130	501	100
500	N90 N110	700	620	480	125	580	580	110	160	600	110

Wheel block	Dimensions in mm												
DRS	a15	b1	b1	b2	b3	c1	d1	d2	d3	d5	d6	d7	d8
Size	± 0.2	max.	¹⁾				- 0.2		- 0.2				
250	40	77	80	110	117.5	150	250	282	270	8 x M16	M12	-	34 F8
315	50	90	96	130	147	180	315	350	340	8xM16	M12	M20	40 F8
400	55	110	-	155	172	210	400	440	440	8xM20	M12	M20	31 H13
500	65	110	-	170	195	240	500	545	545	8xM20	M12	M20	31 H13

Wheel block	Dimensions in mm								max. wheel load in kg			
DRS	d9	d10	h1	h2	h3	h4	s	x1	Travel wheel variants			
Size	F 8						min		A	B	D	E
250	40	M16 20 deep	281	89	100	-	17.5	16.3	63	57	58	65
315	50	M20 20 deep	349.5	114	100	130	20	16.5	121	115	118	127
400	65	M24 20 deep	440	144	100	130	22.5	19	214	196	205	232
500	70	M2425 deep	566	183	100	130	30	22.5	373	351	362	397



Top connection

Pin connection

Side connection

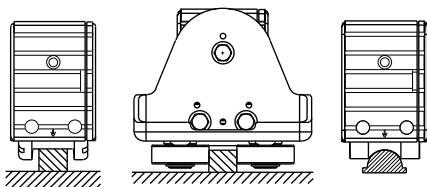
End connection

Connection variants

An important feature of Demag wheel blocks are the prepared mounting surfaces which facilitate virtually any connection arrangement – ranging from top and end connection arrangements with bolted and welded connection elements, to side and pin connection arrangements for installation in hollow sections and cross beams. Top, end and pin connection arrangements make it possible to move and align the wheel blocks laterally even after they have been fitted.

Management and Senior Staff

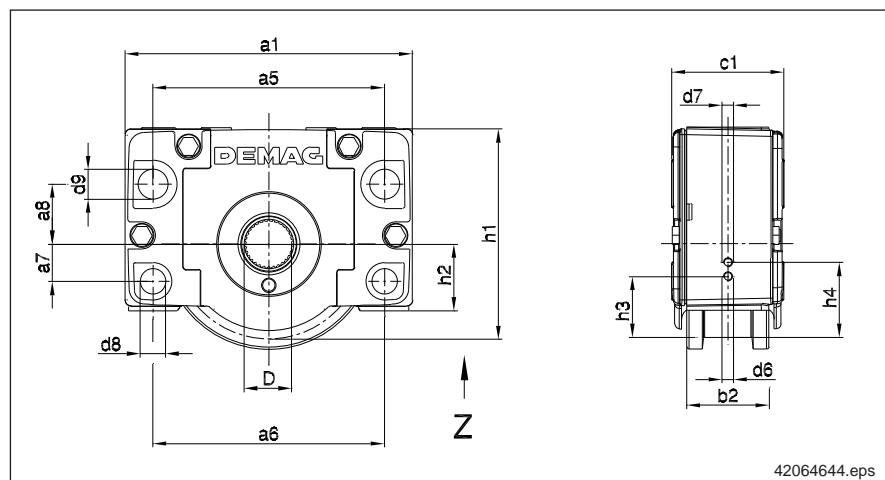
Tailored solutions are also available for guiding wheel blocks. Flange-guided travel wheels, wheels with prism-shaped or concave treads for round cross section rails provide for exact vertical and horizontal guide arrangements. If strong horizontal forces have to be reliably absorbed, infinitely adjustable guide rollers with a positive connection should be used.



Dimensions

(DRS with spheroidal graphite cast iron wheel with two flanges)

Wheel block DRS Size	max. SWL kg	Travel wheel Dia. mm	Weight kg	Dimensions in mm				
				a1	b1	b2	c1	h1
DRS 112	2750	112	7.3	190	47	80	96	131
DRS 125	5000	125	9.9	220	60	80	98	147.5
DRS 160	7000	160	18.3	275	65	89	110	187
DRS 200	10000	200	35.7	340	65	101	130	238
DRS 250	16000	250	62	385	75	110	150	281
DRS 315	22000	315	117	470	90	130	180	349.5
DRS 400	30000	400	201	580	110	155	210	440
DRS 500	40000	500	352	700	110	170	240	566



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Options and accessories

Horizontal guide roller arrangements as well as buffers are available in various sizes and designs.

Offset geared motors: 130 to 11500 Nm



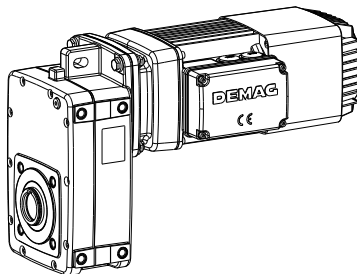
Gearbox size	Output torque Nm	Transmission ratio range i
A10	130	8.32 – 52.5
A20	205	6.21 – 124
A30	370	3.85 – 156
A40	660	3.69 – 256
A50	1150	8.69 – 218
A60	2100	8.91 – 297
A70	3700	9.23 – 267
A80	6600	9.89 – 281
A90	11500	10.2 – 274

Offset geared motors

Housing designs

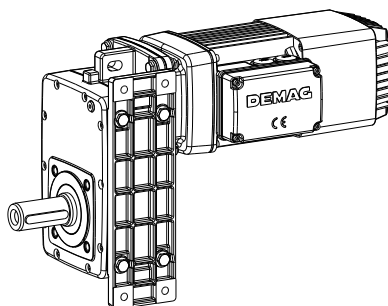
AUH 20 - AUH 90

Universal design



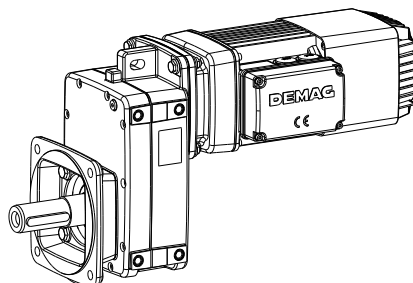
AGV 30 - AGV 90

Foot-mounted design



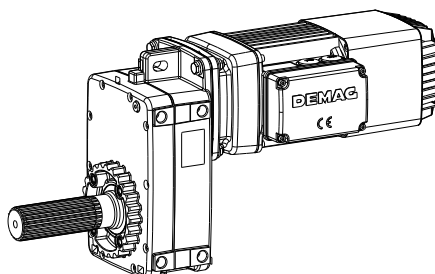
AFV 20 - AFV 90

Flange-mounted design



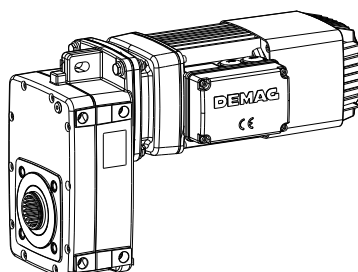
AME 10 - AME 40

Torque bracket design

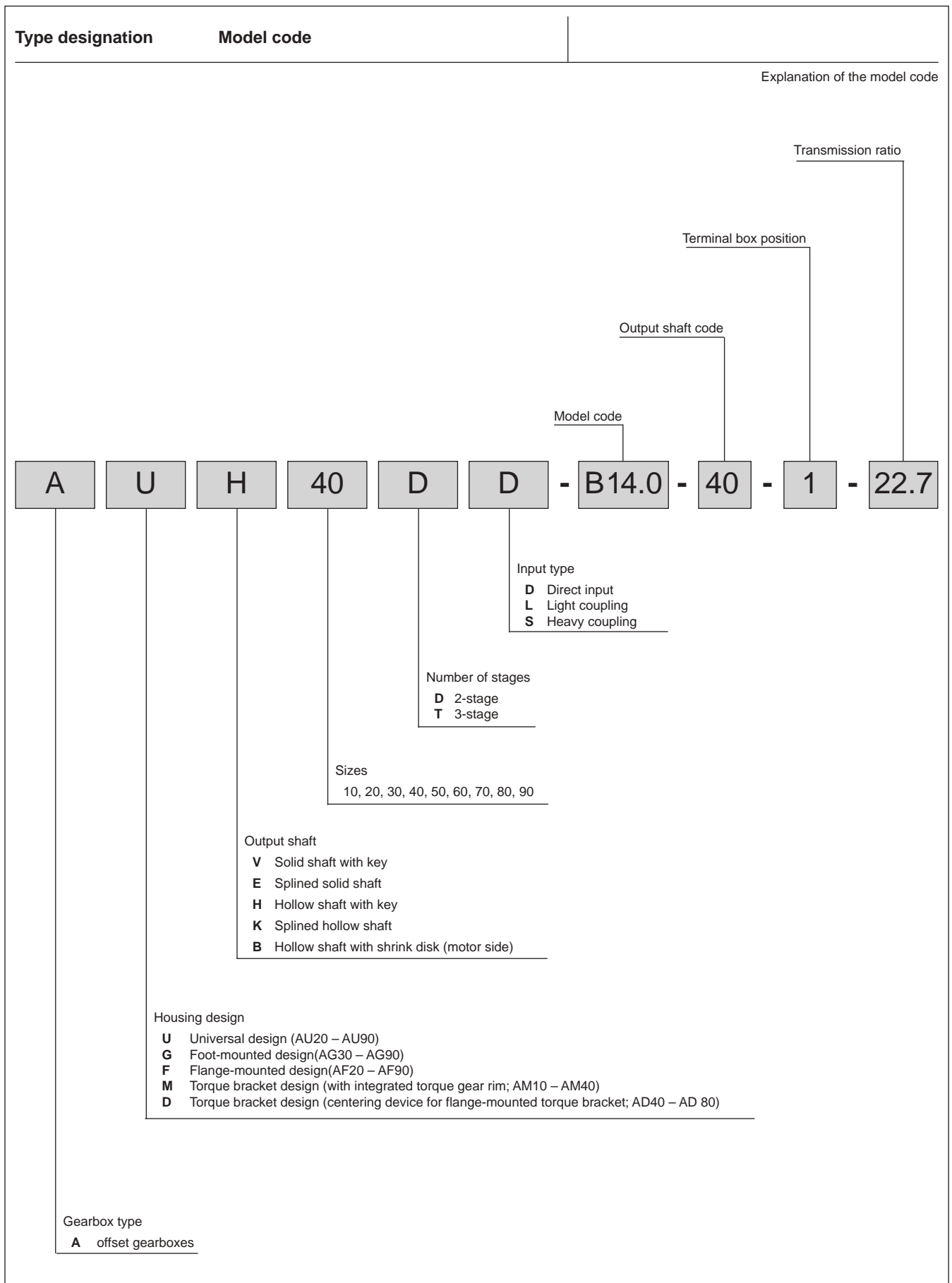


ADK 40 - ADK 80

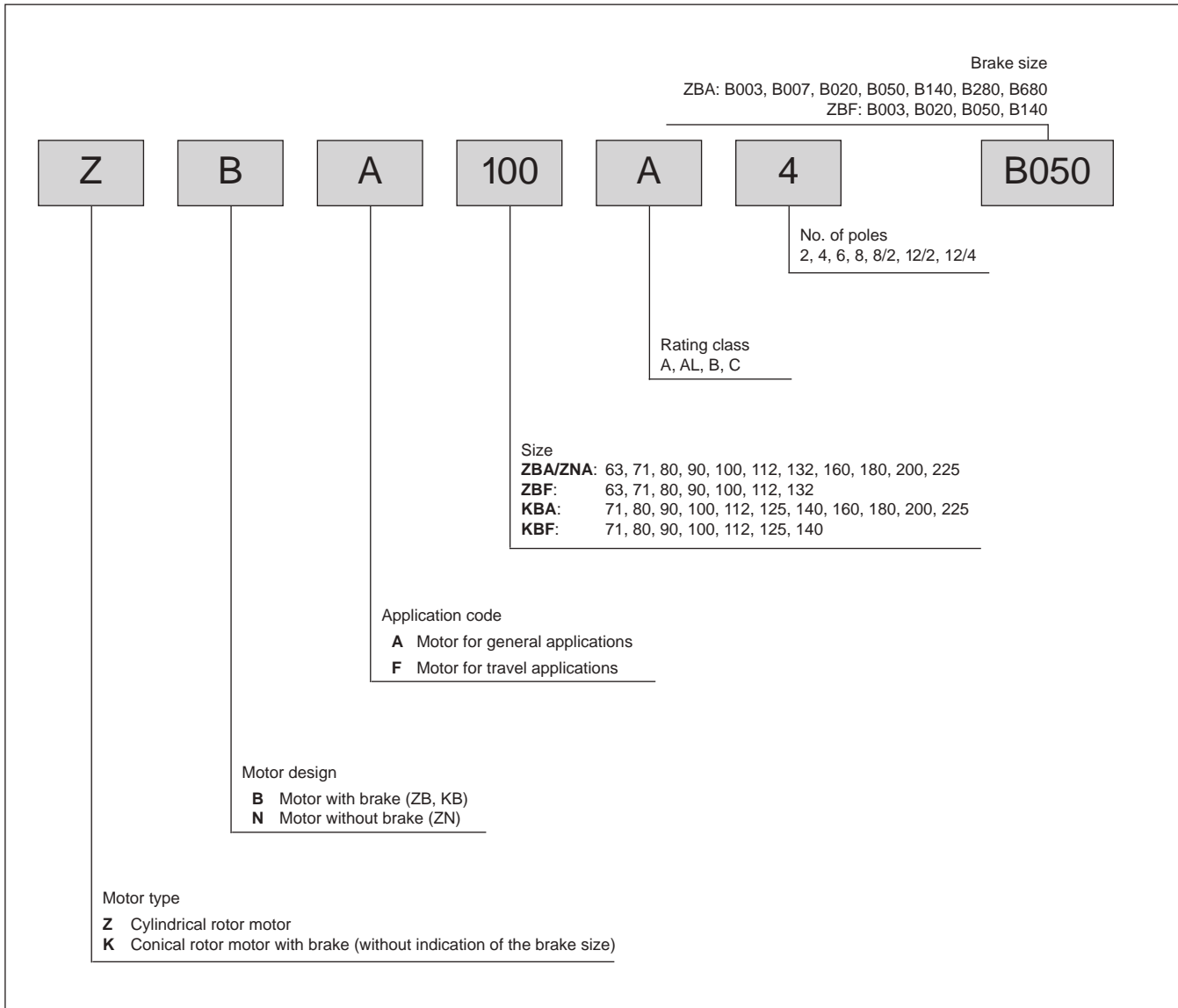
Torque bracket design



Gearbox type designation

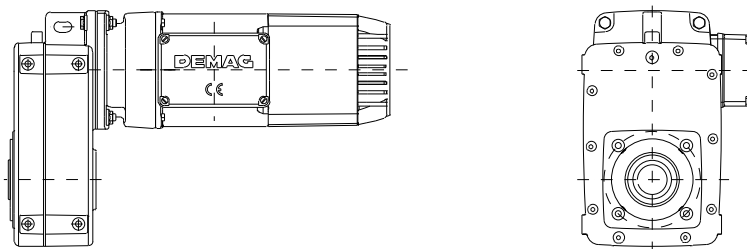


Motor and brake type designation



Code example

AUH 40 DD-B14.0-40-1-22.7 ZBA 100 A4 B050



**Selection table (direct input)
offset geared motors, overview**

Motor		Possible transmission ratio for gearbox size								
		A 10DD	A 20DD	A 30DD	A 40DD	A 50DD	A 60DD	A 70DD	A 80DD	A 90DD
			A 20TD	A 30TD	A 40TD	A 50TD	A 60TD	A 70TD	A 80TD	A 90TD
Z.A	63A	12.2 - 52.5	20.1 - 28	39.4 - 71.9	–					
		–	31.7 - 123	82.4 - 156	73.8 - 256	–	–	–	–	–
ZBF	63A	8.32 - 52.5	13.9 - 28	25.3 - 71.9	49.0 - 61.6					
		–	31.7 - 123	82.4 - 156	73.8 - 256	–	–	–	–	–
Z.A	63B	8.32 - 52.5	9.95 - 28	19.9 - 71.9	36.1 - 61.6					
		–	31.7 - 123	82.4 - 156	73.8 - 256	–	–	–	–	–
Z.A	71A	8.32 - 52.5	6.87 - 28	14.8 - 71.9	25.1 - 61.6					
		–	31.7 - 123	82.4 - 156	73.8 - 256	–	–	–	–	–
ZBF	71A	8.32 - 52.5	9.52 - 28	18.1 - 71.9	36.1 - 61.6					
		–	31.7 - 123	82.4 - 156	73.8 - 256	–	–	–	–	–
Z.A	71B	8.32 - 52.5	6.21 - 28	8.99 - 71.9	14.9 - 61.6					
		–	31.7 - 123	82.4 - 156	73.8 - 256	–	–	–	–	–
Z.A	80A	8.32 - 52.5	6.21 - 28	7.78 - 71.9	8.78 - 61.6	19.9 - 71.6	39.2 - 67.9	68.1 - 68.1	–	–
		–	31.7 - 123	82.4 - 156	73.8 - 256	78 - 218	77.2 - 297	146 - 267	198 - 281	–
ZBF	80A	8.32 - 52.5	6.21 - 28	11.6 - 71.9	22.7 - 61.6	46.7 - 71.6	–	–	–	–
		–	31.7 - 123	82.4 - 156	73.8 - 256	78 - 218	89.9 - 297	146 - 267	253 - 281	–
Z.A	80B	8.32 - 35	6.21 - 28	7.78 - 71.9	8.78 - 61.6	13.9 - 71.6	24.2 - 67.9	44.1 - 68.1	–	–
		–	31.7 - 61.4	82.4 - 109	73.8 - 203	78 - 218	77.2 - 297	146 - 267	198 - 281	–
Z.A	90A	8.32 - 52.5	6.21 - 28	7.78 - 71.9	8.78 - 61.6	10.7 - 71.6	19.5 - 67.9	30.9 - 68.1	57.2 - 68.9	–
		–	31.7 - 98	82.4 - 156	73.8 - 256	78 - 218	77.2 - 297	146 - 267	198 - 281	–
Z.A	90B	–	6.21 - 28	7.78 - 71.9	8.78 - 61.6	8.69 - 71.6	12.9 - 67.9	24.8 - 68.1	39.8 - 68.9	69.7 - 69.7
		–	–	82.4 - 99.8	73.8 - 184	78 - 218	77.2 - 297	78.9 - 267	80.3 - 281	76.3 - 274
ZBF	90B	–	6.21 - 28	5.8 - 71.9	7.99 - 61.6	26.6 - 71.6	48.8 - 67.9	–	–	–
		–	–	82.4 - 99.8	73.8 - 256	78 - 218	77.2 - 297	88.5 - 267	154 - 281	274
Z.A	100A(L)	–	6.21 - 20.1	7.78 - 39.4	8.78 - 61.6	8.69 - 71.6	14.7 - 67.9	24.8 - 68.1	44.1 - 68.9	54.8 - 69.7
		–	–	–	–	78 - 112	77.2 - 221	78.9 - 267	80.3 - 281	76.3 - 274
ZBF	100A(L)	–	6.21 - 28	3.85 - 71.9	4.15 - 61.6	17.8 - 71.6	35.6 - 67.9	61.3 - 68.1	–	–
		–	–	82.4 - 86.4	73.8 - 166	78 - 218	77.2 - 297	78.9 - 267	103 - 281	197 - 274
Z.A	100B	–	6.21 - 28	7.78 - 62.2	8.78 - 61.6	8.69 - 71.6	8.91 - 67.9	11.9 - 68.1	22.2 - 68.9	39.3 - 69.7
		–	–	–	73.8 - 115	78 - 195	77.2 - 297	78.9 - 267	80.3 - 281	76.3 - 274

The table lists the possible transmission ratio ranges for the motor/gearbox combination for direct drive input.

Since the outputs and numbers of poles of the motors are not taken into consideration here, the combination selected must be checked by means of the associated duty factor. The duty factor must not be less than 0.9 and should not exceed 15.

Motor		Possible transmission ratio for gearbox size								
		A 10DD	A 20DD	A 30DD	A 40DD	A 50DD	A 60DD	A 70DD	A 80DD	A 90DD
			A 20TD	A 30TD	A 40TD	A 50TD	A 60TD	A 70TD	A 80TD	A 90TD
Z.A	112A	-	-	7.78 - 39.4	8.78 - 61.6	8.69 - 71.6	8.91 - 67.9	9.23 - 68.1	17.6 - 68.9	30.8 - 69.7
				-	-	78 - 112	77.2 - 221	78.9 - 267	80.3 - 281	76.3 - 274
Z.BF	112A	-	-	3.85 - 45.5	3.69 - 61.6	12.0 - 71.6	21.8 - 67.9	39.7 - 68.1	68.9	-
				-	73.8 - 101	78 - 195	77.2 - 297	78.9 - 267	80.3 - 281	121 - 274
Z.A	132A(L)	-	-	7.78 - 18.1	8.78 - 31.1	8.69 - 63.9	8.91 - 67.9	9.23 - 68.1	15.8 - 68.9	27.4 - 69.7
				-	-	-	77.2 - 107	78.9 - 215	80.3 - 281	76.3 - 274
Z.BF	132A(L)	-	-	3.85 - 39.4	3.69 - 61.6	8.69 - 71.6	14.7 - 67.9	24.8 - 68.1	44.1 - 68.9	-
				-	73.8	78 - 127	77.2 - 221	78.9 - 267	80.3 - 281	76.3 - 274
Z.A	132B	-	-	7.78 - 12.8	8.78 - 22.7	8.69 - 50.3	8.91 - 67.9	9.23 - 68.1	9.89 - 68.9	15.7 - 69.7
				-	-	-	77.2 - 89.9	78.9 - 162	80.3 - 281	76.3 - 274
Z.BF	132B	-	-	3.85 - 31.3	3.69 - 55.7	8.69 - 71.6	9.98 - 67.9	21.5 - 68.1	36.0 - 68.9	62.8 - 69.7
				-	-	78 - 99.6	77.2 - 177	78.9 - 267	80.3 - 281	76.3 - 274
Z.A	132C	-	-	7.78 - 23	8.78 - 44.3	8.69 - 71.6	8.91 - 67.9	9.23 - 68.1	9.89 - 68.9	12.9 - 69.7
				-	-	-	77.2 - 156	78.9 - 267	80.3 - 281	76.3 - 274
Z.A	160A(L)	-	-	-	-	8.69 - 56.4	8.91 - 67.9	9.23 - 68.1	9.89 - 68.9	11.3 - 69.7
						-	77.2 - 107	78.9 - 193	80.3 - 281	76.3 - 274
Z.A	160B	-	-	-	-	8.69 - 12	8.91 - 21.8	9.23 - 39.7	9.89 - 68.9	10.2 - 69.7
						-	-	-	-	76.3 - 121
Z.A	180A	-	-	-	-	8.69 - 36.7	8.91 - 67.9	9.23 - 68.1	9.89 - 68.9	10.2 - 69.7
						-	-	78.9 - 115	80.3 - 198	76.3 - 274
Z.A	180B	-	-	-	-	-	-	-	9.89 - 44.1	10.2 - 69.7
									-	76.3 - 84.8
Z.A	200A	-	-	-	-	-	-	-	9.89 - 39.8	10.2 - 69.7
									-	-
Z.A	200B	-	-	-	-	-	-	-	9.89 - 32.4	10.2 - 54.8
									-	-
Z.A	225A(L)	-	-	-	-	-	-	-	9.89 - 27.9	10.2 - 49.4
									-	-
Z.A	225B	-	-	-	-	-	-	-	9.89 - 25.1	10.2 - 43.6
									-	-

The table lists the possible transmission ratio ranges for the motor/gearbox combination for direct drive input.

Since the outputs and numbers of poles of the motors are not taken into consideration here, the combination selected must be checked by means of the associated duty factor. The duty factor must not be less than 0.9 and should not exceed 15.

Standard voltages are
220-230 / 380-400 V 50 Hz or
290 / 500 V 50 Hz.

**4-pole Z.A motors
100 % CDF**

Type	P _N kW	n _n rpm	M _N Nm	I _N A	cos φ _n	eff Class	η _½ %	I _A /I _N	M _A /M _N	M _K /M _N	J _{Mot} kgm ² x 10 ⁻³		Z ₀ h ⁻¹		Brake Nm		Weight kg 3)	
											ZNA	ZBA	1)	2)	Type	M _{BStd}	ZNA	ZBA
Z.A. 63 B4	0.18	1390	1.25	0.91	0.57	-	-	2.6	2.75	2.8	0.45	0.49	13000	13000	B003	2.5	6.7	8.4
Z.A. 71 A4	0.25	1385	1.7	1.2	0.55	-	-	2.8	2.69	2.86	0.45	0.51	10000	12000	B007	3.4	6.8	9.5
Z.A. 71 B4	0.37	1375	2.6	1.8	0.54	-	-	2.7	3.02	3	0.55	0.61	8000	10000	B007	5.1	7.8	11
Z.A. 80 A4	0.55	1420	3.7	1.95	0.68	-	-	4.5	2.97	2.97	1.43	1.49	7800	11200	B007	7.6	12	16
Z.A. 80 B4	0.75	1410	5.1	2.7	0.62	-	-	3.8	2.69	2.97	1.43	1.56	9400	13500	B020	10	12	17
Z.A. 90 A4	1.1	1400	7.5	3.3	0.74	eff2	77.3 76.8	4.7	3.35	3.52	1.92	2.05	9400	13500	B020	16	15	20
Z.A. 90 B4	1.5	1430	10	3.9	0.76	eff2	80 79	5.7	2.75	3.19	4.6	4.73	5000	7200	B020	20	21	26
Z.A. 100 AL4	2.2	1415	14.8	5.1	0.8	eff2	82.7 82.4	5.3	2.75	3.19	5.75	6.21	5400	7800	B050	33	23	32
Z.A. 100 B4	3	1400	20.5	7	0.81	eff2	83.5 83	5.3	2.58	3.08	5.75	6.21	5300	7600	B050	39	23	32
Z.A. 112 A4	4	1440	26.5	8.6	0.83	eff2	85 85.3	7.1	3.1	3.3	23.37	23.83	2000	2900	B050	50	50	60
Z.A. 132 AL4	5.5	1455	36	11.4	0.83	eff2	89.6 88.9	7.1	3.19	3.19	34.65	36.65	2200	3200	B140	70	64	80
Z.A. 132 B4	7.5	1435	50	15.2	0.85	eff2	87.6 87.4	6.6	2.64	2.64	34.65	36.65	1100	1600	B140	94	64	80
Z.A. 132 C4	9.5	1440	63	19.5	0.84	eff3	86.5 86	7	2.64	3.08	34.65	36.65	1300	1900	B140	105	65	81
Z.A. 160 AL4	11	1450	72	22	0.84	eff2	89 88.7	6.7	3.19	3.19	68	70	-	1200	B140	140	150	162
Z.A. 160 B4	15	1450	99	31	0.83	eff2	90.3 90	6.9	3.57	3.35	68	75	-	1000	B280	185	150	170
Z.A. 180 A4	18.5	1440	123	40.5	0.82	eff3	87.5 87	5.9	3.4	3.13	68	75	-	1000	B280	280	151	171
Z.A. 180 B4	22	1470	143	43.5	0.84	eff2	92.5 92.2	7.4	3.08	2.91	221	228	-	800	B280	280	207	225
Z.A. 200 A4	30	1470	195	58	0.86	eff2	91.7 91.5	7.5	3.4	3.08	287	308	-	600	B680	340	277	316
Z.A. 225 AL4	37	1470	240	69.5	0.87	eff2	93 92.7	6.7	3.8	2.75	480	501	-	550	B680	450	360	400
Z.A. 225 B4	45	1470	290	84	0.87	eff2	93.5 92.8	6.6	3.6	3.63	480	501	-	400	B680	530	360	400

Cannot be used for lifting drives with mains operation

Acronyms used

B

BGV Regulations of the Industrial Employers' Mutual Insurance Association

D

DC Demag chain hoist

DFW-L-L Demag travel unit overhead travelling crane, light

DFW-L-E Demag travel unit overhead travelling crane, single-girder

DFW-L-T Demag travel unit - overhead travelling crane - tandem

DFW-L-Z Demag travel unit double-girder overhead travelling crane

DPZ Demag cellular foam buffer

DR Demag rope hoist

DRC Demag radio control

DRS Demag wheel block system

E

EDKE Single-girder suspension crane, electric travelling rope hoist

EKDR Electric travel unit for Demag rope hoist

EKKE Single-girder overhead travelling crane, with box section girders and electric monorail hoist

ELKE Single-girder overhead travelling crane with electric travelling hoist

EU 11 Electric travel unit travelling on the bottom flange up to 1100 kg

EUDC Demag chain hoist travelling on the bottom flange

EZDR Double-rail crab Demag rope hoist

F

FDR Foot-mounted Demag rope hoist

FEM Fédération Européenne de la Manutention (calculation basis for serial hoists, classification of groups of mechanisms)

H

Hoist speed Hoist speed

K

KTD-E Travel unit for suspension cranes, single-girder connection

M

max. maximum

min. minimum

O

O.K. Upper edge

S

Stk. Obstruction

U

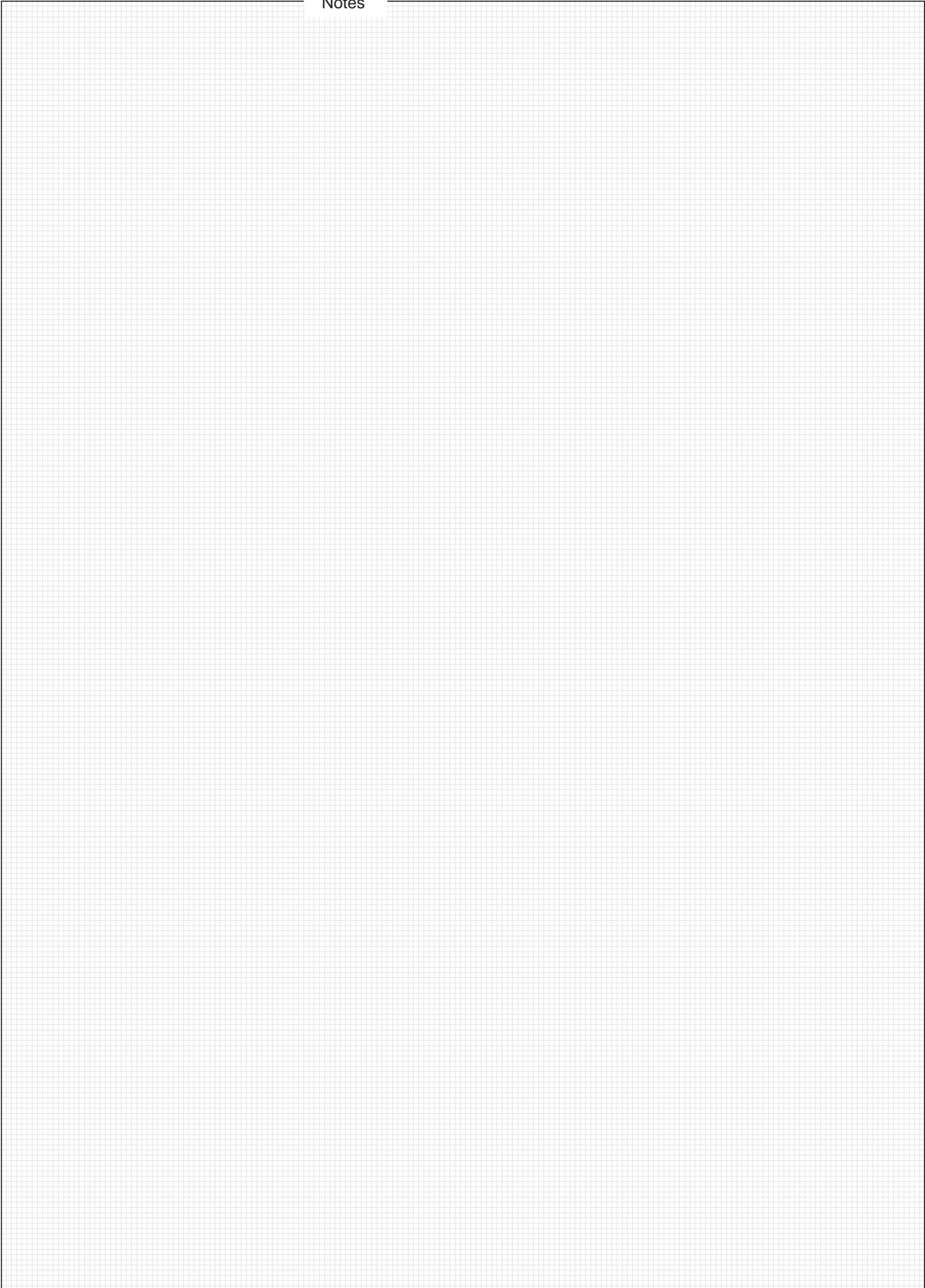
U.K. Lower edge

UVV Accident prevention regulations

Z

ZKKE Double-girder overhead travelling crane, box-type girder, with electric travelling rope hoist

Notes



Notes

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