



Dimensions in mm													Mass	Basic load rating		Designation	
L	B	B <sub>1</sub>	B <sub>2</sub>	U	U <sub>1</sub>	U <sub>2</sub>	L <sub>1</sub>	L <sub>3</sub>	K	T	M <sub>1</sub>	M <sub>2</sub>	kg	Track roller	C <sub>w</sub>		C <sub>ow</sub>
126	26,0	27,0	16,0	26	20,5	11,0	48,0	54	18	2,6	M8	M5	0,150	LFR 50/8 KDD	4100	2280	<b>LFDK 50/8</b>
160	38,0	42,0	23,0	40	29,5	14,9	60,5	66	22	2,5	M10	M5	0,420	LFR 5201 KDD	8500	5100	<b>LFDK 5201</b>
182	45,5	45,0	27,5	42	33,5	16,9	71,0	76	25	3,0	M12	M5	0,650	LFR 5301 KDD	13000	7700	<b>LFDK 5301</b>
192	50,5	47,5	30,0	42	33,5	16,9	76,0	81	25	3,0	M12	M5	0,850	LFR 5302 KDD	14500	9200	<b>LFDK 5302</b>

Washers to DIN 125.

Permissible loads when using 2 double bearing units <sup>1)</sup>											Guideway LFS	System
Forces in [N]				Moments in [Nm], N <sub>1</sub> ' [mm]								
F <sub>yoerm</sub>	F <sub>xoerm</sub>	F <sub>zoerm</sub>	F <sub>zoerm</sub>	M <sub>xoerm</sub> <sup>2)</sup>	M <sub>xoerm</sub> <sup>2)</sup>	M <sub>yoerm</sub>	M <sub>yoerm</sub>	M <sub>zoerm</sub>	M <sub>zoerm</sub>			
1000	1000	850	1400	0,42 (N <sub>1</sub> ' ⊖ 28)	0,69 (N <sub>1</sub> ' ⊖ 28)	23	39	27	27	32 (N, H, FH)	<b>LFDK 50/8</b>	
1400	1400	850	1400	0,42 (N <sub>1</sub> ' ⊖ 28)	0,69 (N <sub>1</sub> ' ⊖ 28)	23	39	38	38	32 E (HE, FHE)	<b>LFDK 50/8</b>	
2500	2500	1500	2500	0,79 (N <sub>1</sub> ' ⊖ 41)	1,25 (N <sub>1</sub> ' ⊖ 41)	51	86	79	79	52 (NZZ, H, FH)	<b>LFDK 5201</b>	
3500	3500	1500	2500	0,79 (N <sub>1</sub> ' ⊖ 41)	1,25 (N <sub>1</sub> ' ⊖ 41)	51	86	112	112	52 E (HE, FHE)	<b>LFDK 5201</b>	
4500	4500	2400	4000	1,20 (N <sub>1</sub> ' ⊖ 48)	2,00 (N <sub>1</sub> ' ⊖ 48)	91	152	167	167	52 E (HE, FHE)	<b>LFDK 5301</b>	
8000	8000	4800	7900	2,40 (N <sub>1</sub> ' ⊖ 53)	4,00 (N <sub>1</sub> ' ⊖ 53)	194	316	324	324	52 EE (HEE, FHEE)	<b>LFDK 5302</b>	

<sup>1)</sup> Where there is a combined load, checking according to the calculation method is recommended.

<sup>2)</sup> ⊖ in case 1, page 109, ⊕ in case 2, page 109