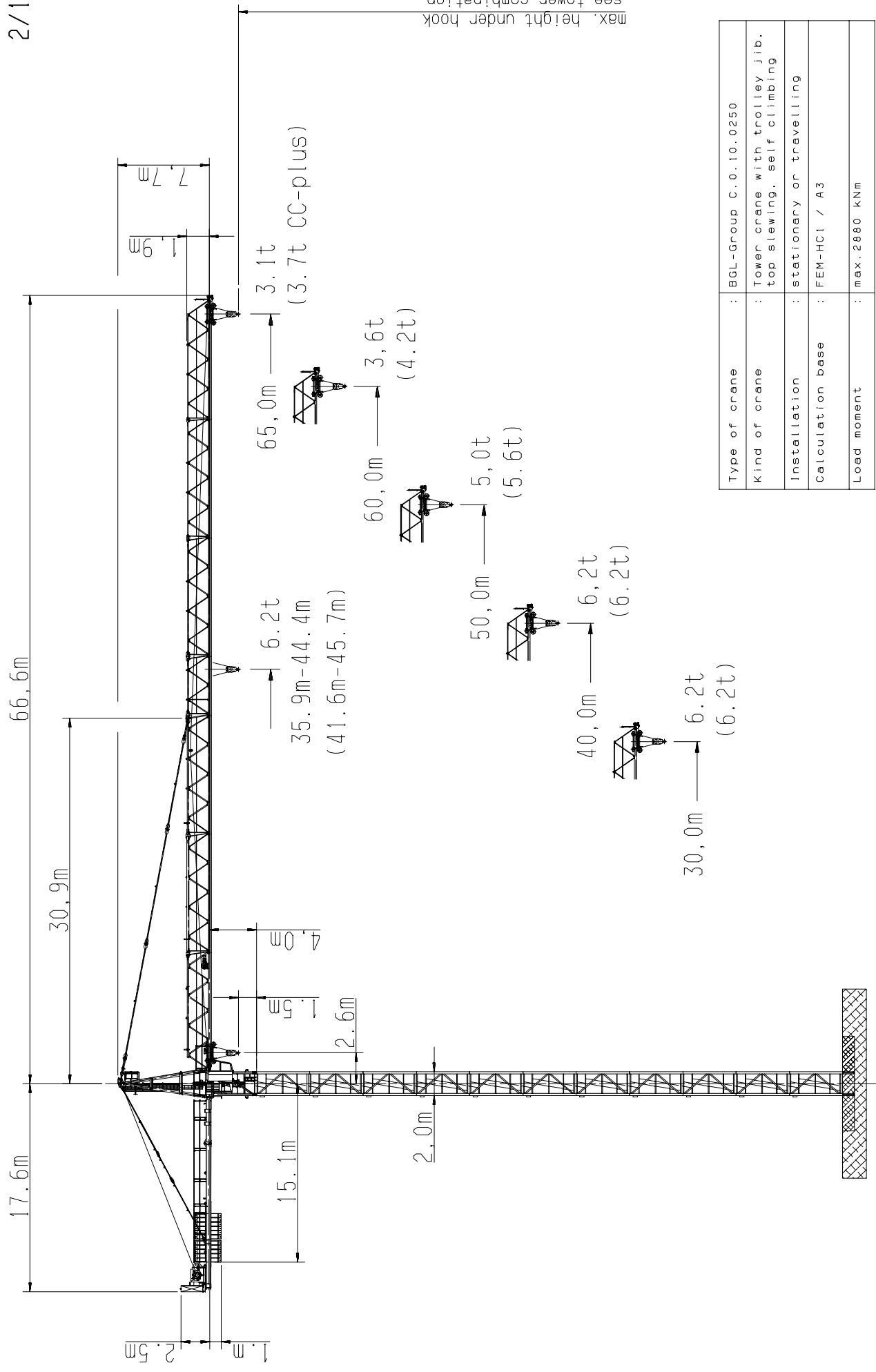
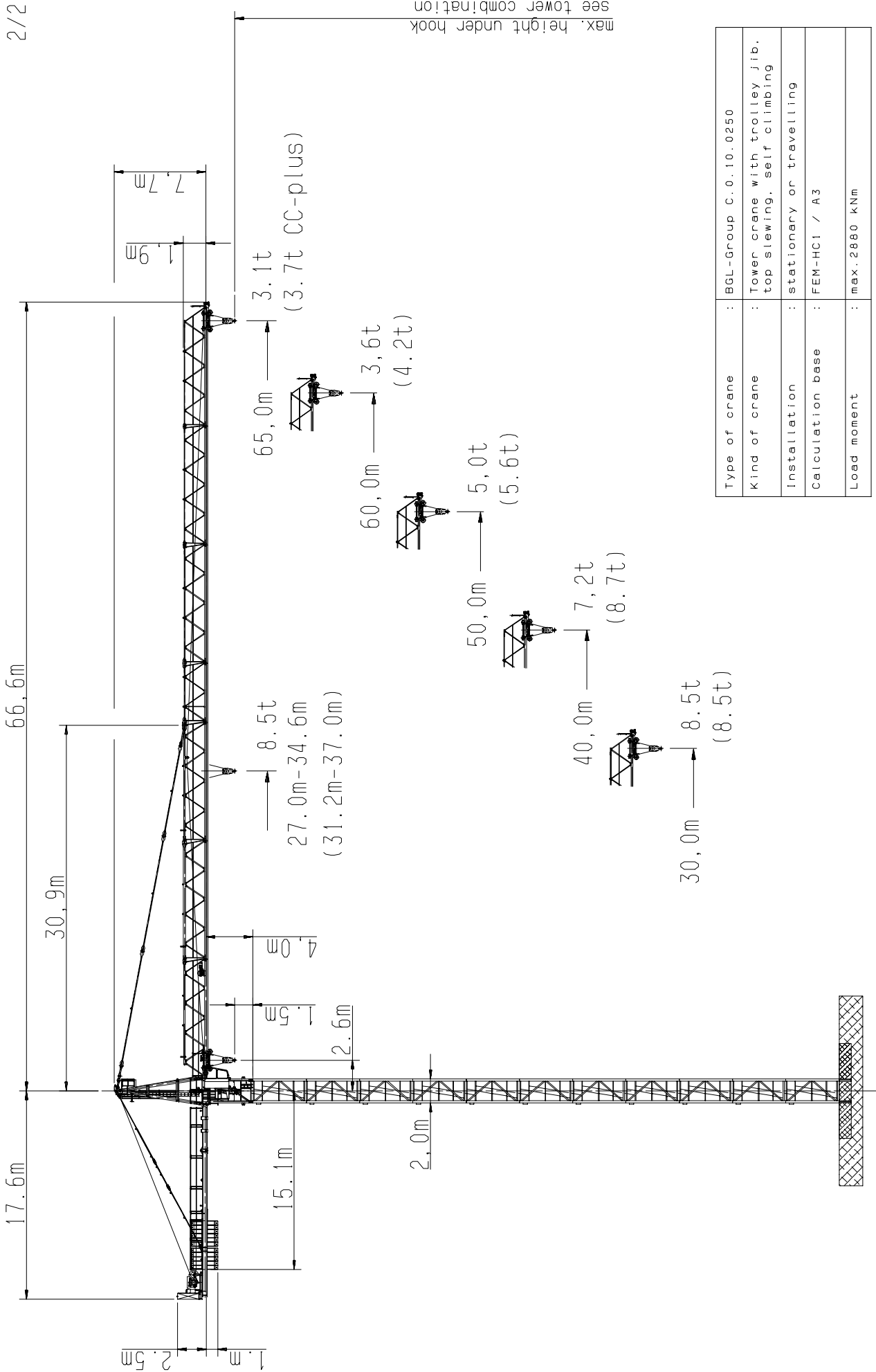




PLANING DIAGRAM 6531.6
(HW 645 FU / HW 675 FU)



Type of crane	: BGL-Group C.O. 10. 0250
Kind of crane	: Tower crane with trolley jib, top slewing, self climbing
Installation	: stationary or travelling
Calculation base	: FEM-HC1 / A3
Load moment	: max. 2880 kNm

PLANING DIAGRAM 6531.8
(HW 845 FU)

962-3-027061E

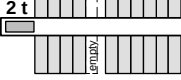
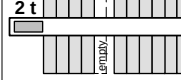
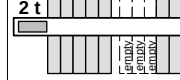
2.2.1.1 Load capacity table

radius [m]		 6,2	25	30	35	40	45	50	55	60	65	load capacity [t]
65	2,6 - 35,9		6,2	6,2	6,2	5,5	4,8	4,2	3,8	3,4	3,1	
60	2,6 - 37,5		6,2	6,2	6,2	5,8	5,0	4,5	4,0	3,6		
55	2,6 - 39,1		6,2	6,2	6,2	6,0	5,3	4,7	4,2			
50	2,6 - 41,3		6,2	6,2	6,2	6,2	5,6	5,0				
45	2,6 - 44,4		6,2	6,2	6,2	6,2	6,1					
40	2,6 - 40,0		6,2	6,2	6,2	6,2						
35	2,6 - 35,0		6,2	6,2	6,2							
30	2,6 - 30,0		6,2	6,2								

The load capacities refer to a hook path of 42,0 m. With greater hook paths the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 2,4 kg per meter hook path).

Arrangement of counterweights with hoisting winch

Hw 645 FU/Hw 675 FU

jib [m]		65	60	55	50
 2 t	11 x 2,7 t				
	to tower →				
	31,7				
	total weight [t]	29,0	29,0	23,6	
jib [m]		45	40	35	30
 2 t	8 x 2,7 t				
	to tower →				
	23,6				
	total weight [t]	20,9	18,2	15,5	

2.2.1.2 load capacity table

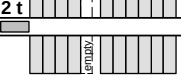
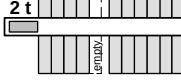
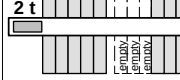
(these load values are switch-off values)

radius [m]		 6,2	25	30	35	40	45	50	55	60	65	load capacity [t]
65	2,6 - 41,6		6,2	6,2	6,2	6,2	5,7	5,0	4,5	4,1	3,7	
60	2,6 - 42,7		6,2	6,2	6,2	6,2	5,8	5,2	4,6	4,2		
55	2,6 - 43,9		6,2	6,2	6,2	6,2	6,0	5,4	4,8			
50	2,6 - 45,7		6,2	6,2	6,2	6,2	6,2	5,6				
45	2,6 - 45,0		6,2	6,2	6,2	6,2	6,2					
40	2,6 - 40,0		6,2	6,2	6,2	6,2						
35	2,6 - 35,0		6,2	6,2	6,2							
30	2,6 - 30,0		6,2	6,2								

The load capacities refer to a hook path of 42,0 m. With greater hook paths the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 2,4 kg per meter hook path).

Arrangement of counterweights with hoisting winch

Hw 645 FU/Hw 675 FU

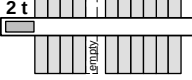
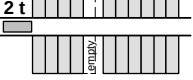
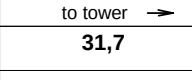
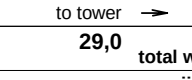
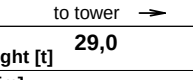
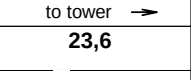
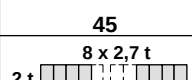
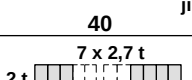
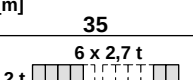
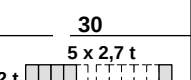
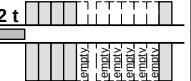
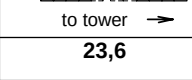
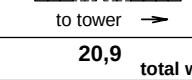
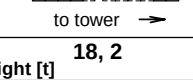
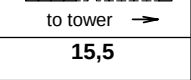
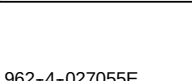
jib [m]		65	60	55	50
 2 t	11 x 2,7 t				
	to tower →				
	31,7				
	total weight [t]	29,0	29,0	23,6	
jib [m]		45	40	35	30
 2 t	8 x 2,7 t				
	to tower →				
	23,6				
	total weight [t]	20,9	18,2	15,5	

2.2.1.3 Load capacity table

radius [m]		 8,5	25	30	35	40	45	50	55	60	65	load capacity [t]
65	2,6 - 27,0		8,5	7,6	6,4	5,5	4,8	4,2	3,8	3,4	3,1	
60	2,6 - 28,1		8,5	7,9	6,7	5,8	5,0	4,5	4,0	3,6		
55	2,6 - 29,4		8,5	8,3	7,0	6,0	5,3	4,7	4,2			
50	2,6 - 31,0		8,5	8,5	7,5	6,4	5,6	5,0				
45	2,6 - 33,3		8,5	8,5	8,1	7,0	6,1					
40	2,6 - 34,4		8,5	8,5	8,3	7,2						
35	2,6 - 34,6		8,5	8,5	8,4							
30	2,6 - 30,0		8,5	8,5								

The load capacities refer to a hook path of 42,0 m. With greater hook paths the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 2,4 kg per meter hook path).

Arrangement of counterweights with hoisting winch Hw 845 FU

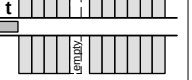
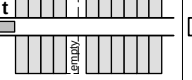
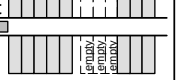
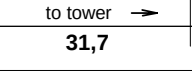
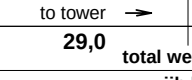
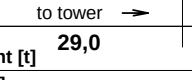
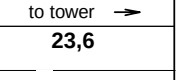
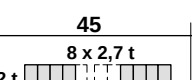
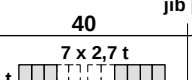
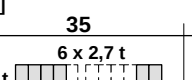
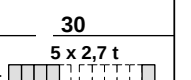
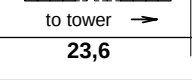
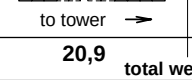
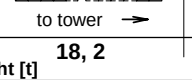
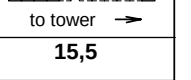
jib [m]		65	60	55	50
	11 x 2,7 t				
	2 t				
	to tower →				
		31,7	29,0	29,0	23,6
jib [m]		45	40	35	30
	8 x 2,7 t				
	2 t				
	to tower →				
		23,6	20,9	18,2	15,5

2.2.1.4 Load capacity table (these load values are switch-off values)

radius [m]		 8,5	25	30	35	40	45	50	55	60	65	load capacity [t]
65	2,6 - 31,2		8,5	8,5	7,5	6,5	5,7	5,0	4,5	4,1	3,7	
60	2,6 - 32,0		8,5	8,5	7,7	6,7	5,8	5,2	4,6	4,2		
55	2,6 - 33,0		8,5	8,5	8,0	6,9	6,0	5,4	4,8			
50	2,6 - 34,3		8,5	8,5	8,3	7,2	6,3	5,6				
45	2,6 - 36,2		8,5	8,5	8,5	7,6	6,7					
40	2,6 - 37,0		8,5	8,5	8,5	7,8						
35	2,6 - 35,0		8,5	8,5	8,5							
30	2,6 - 30,0		8,5	8,5								

The load capacities refer to a hook path of 42,0 m. With greater hook paths the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 2,4 kg per meter hook path).

Arrangement of counterweights with hoisting winch Hw 845 FU

jib [m]		65	60	55	50
	11 x 2,7 t				
	2 t				
	to tower →				
		31,7	29,0	29,0	23,6
jib [m]		45	40	35	30
	8 x 2,7 t				
	2 t				
	to tower →				
		23,6	20,9	18,2	15,5

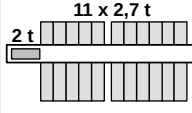
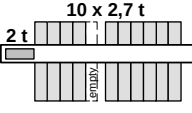
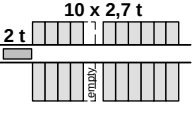
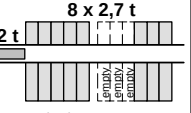
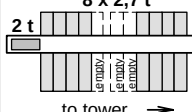
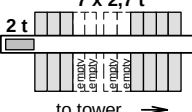
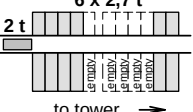
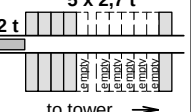
2.2.1.5 Load capacity table

radius [m]			25	30	35	40	45	50	55	60	65		
length of jib [m]	65	2,6 – 19,1	 12,0	8,9	7,2	6,0	5,1	4,4	3,9	3,4	3,0	2,7	load capacity [t]
	60	2,6 – 19,9		9,3	7,6	6,3	5,4	4,7	4,1	3,6	3,2		
	55	2,6 – 20,7		9,8	7,9	6,6	5,7	4,9	4,3	3,8			
	50	2,6 – 21,9		10,4	8,4	7,1	6,0	5,2	4,6				
	45	2,6 – 23,5		11,2	9,1	7,7	6,6	5,7					
	40	2,6 – 24,2		11,6	9,5	7,9	6,8						
	35	2,6 – 24,4		11,7	9,5	8,0							
	30	2,6 – 24,5		11,8	9,6								

radius [m]		25	30	35	40	45	50	55	60	65			
length of jib [m]	65	2,6 – 35,5	 6,0	6,0	6,0	6,0	5,2	4,5	4,0	3,5	3,1	2,8	load capacity [t]
	60	2,6 – 37,1		6,0	6,0	6,0	5,5	4,8	4,2	3,7	3,3		
	55	2,6 – 38,6		6,0	6,0	6,0	5,8	5,0	4,4	3,9			
	50	2,6 – 40,8		6,0	6,0	6,0	6,0	5,3	4,7				
	45	2,6 – 43,7		6,0	6,0	6,0	6,0	5,8					
	40	2,6 – 40,0		6,0	6,0	6,0	6,0						
	35	2,6 – 35,0		6,0	6,0	6,0							
	30	2,6 – 30,0		6,0	6,0								

The load capacities refer to a hook path of 42,0 m. With greater hook paths the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 2,4 kg per meter hook path, with 4 fall operation = 4,8 kg per meter hook path).

Arrangement of counterweights with hoisting winch Hw 645 FU/Hw 675 FU

65	60	55	50
 11 x 2,7 t	 10 x 2,7 t	 10 x 2,7 t	 8 x 2,7 t
to tower →	to tower →	to tower →	to tower →
31,7	29,0	29,0	23,6
total weight [t]			
45	40	35	30
 8 x 2,7 t	 7 x 2,7 t	 6 x 2,7 t	 5 x 2,7 t
to tower →	to tower →	to tower →	to tower →
23,6	20,9	18,2	15,5
total weight [t]			

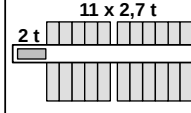
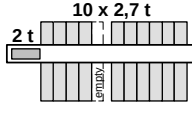
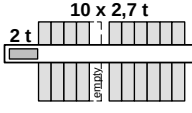
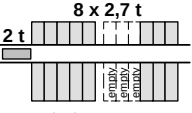
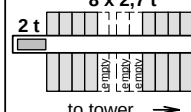
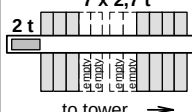
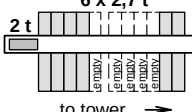
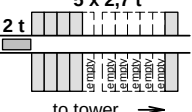
2.2.1.6 Load capacity table (these load values are switch-off values)

radius [m]													
		25	30	35	40	45	50	55	60	65			
length of jib [m]	65	2,6 - 22,0	 12,0	10,4	8,5	7,1	6,1	5,3	4,6	4,1	3,7	3,3	load capacity [t]
	60	2,6 - 22,6		10,7	8,8	7,3	6,3	5,5	4,8	4,3	3,8		
	55	2,6 - 23,2		11,1	9,0	7,6	6,5	5,6	5,0	4,4			
	50	2,6 - 24,2		11,6	9,4	7,9	6,8	5,9	5,2				
	45	2,6 - 25,5		12,0	10,0	8,4	7,2	6,3					
	40	2,6 - 26,0		12,0	10,3	8,6	7,4						
	35	2,6 - 26,0		12,0	10,2	8,6							
30	2,6 - 26,4	12,0	10,4										

radius [m]			25	30	35	40	45	50	55	60	65		
length of jib [m]	65	2,6 - 41,1	 6,0	6,0	6,0	6,0	6,0	5,4	4,7	4,2	3,8	3,4	load capacity [t]
	60	2,6 - 42,2		6,0	6,0	6,0	6,0	5,6	4,9	4,4	3,9		
	55	2,6 - 43,3		6,0	6,0	6,0	6,0	5,7	5,1	4,5			
	50	2,6 - 45,0		6,0	6,0	6,0	6,0	6,0	5,3				
	45	2,6 - 45,0		6,0	6,0	6,0	6,0	6,0					
	40	2,6 - 40,0		6,0	6,0	6,0	6,0						
	35	2,6 - 35,0		6,0	6,0	6,0							
	30	2,6 - 30,0		6,0	6,0								

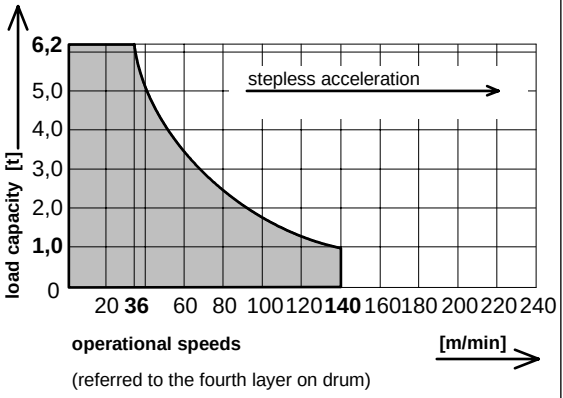
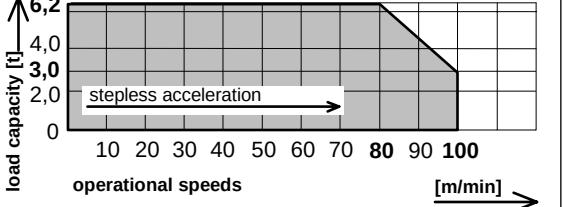
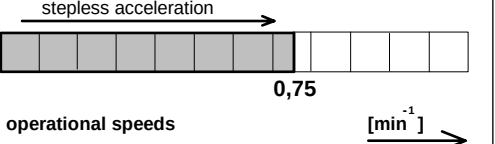
The load capacities refer to a hook path of 42,0 m. With greater hook paths the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 2,4 kg per meter hook path, with 4 fall operation = 4,8 kg per meter hook path).

Arrangement of counterweights with hoisting winch Hw 645 FU/HW 675 FU

65	60	55	50
 11 x 2,7 t	 10 x 2,7 t	 10 x 2,7 t	 8 x 2,7 t
to tower →	to tower →	to tower →	to tower →
31,7	29,0	29,0	23,6
total weight [t]			
45	40	35	30
 8 x 2,7 t	 7 x 2,7 t	 6 x 2,7 t	 5 x 2,7 t
to tower →	to tower →	to tower →	to tower →
23,6	20,9	18,2	15,5
total weight [t]			

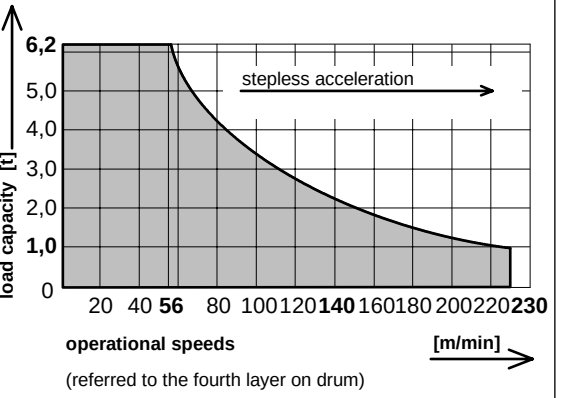
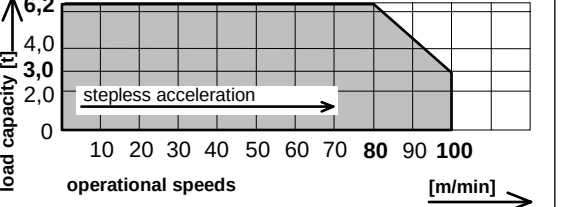
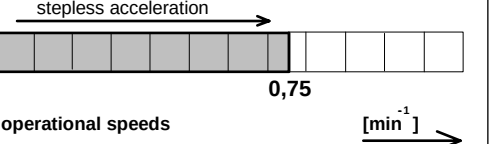
2.2.2.1 Operational speeds

400 V, 50 Hz

drive [model]	operational speeds load capacity	max. lift [m]	output [kW]	total output [kVA]
Hw 645 FU	hoisting 	190	45	68,0 total output for a simultaneity factor 0,8
	 load capacity [t] operational speeds [m/min] (referred to the fourth layer on drum)			
Kw	travelling		9,0	
	 load capacity [t] operational speeds [m/min]			
Dw	slewing 0,75 min ⁻¹		2 x 6,0	
	 operational speeds [min⁻¹]			

2.2.2.2 Operational speeds

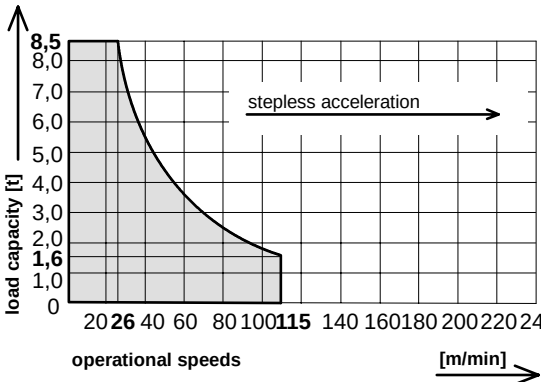
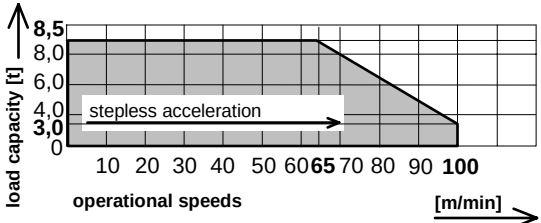
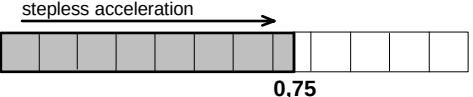
400 V, 50 Hz

drive [model]	operational speeds load capacity	max. lift [m]	output [kW]	total output [kVA]
Hw 675 FU	hoisting 	460	75	96,0 total output for a simultaneity factor 0,8
	 load capacity [t] operational speeds [m/min] (referred to the fourth layer on drum)			
Kw	travelling		9,0	
	 load capacity [t] operational speeds [m/min]			
Dw	slewing 0,75 min ⁻¹		2 x 6,0	
	 operational speeds [min⁻¹]			

2.2.2.3

Operational speeds

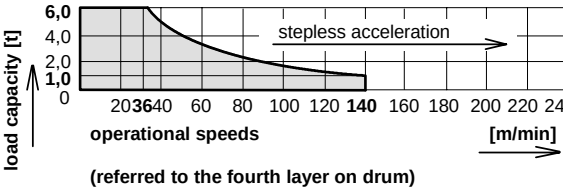
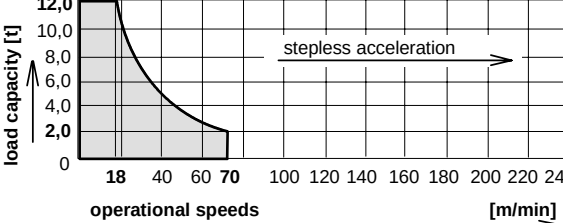
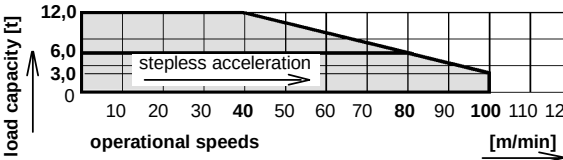
400 V, 50 Hz

drive [model]	operational speeds load capacity	max. lift [m]	output [kW]	total output [kVA]
Hw 845 FU	hoisting 	190	45	68,0 total output for a simultaneity factor 0,8
	 load capacity [t] operational speeds [m/min] (referred to the fourth layer on drum)			
Kw	travelling 		9,0	
	 load capacity [t] operational speeds [m/min]			
Dw	slewing 0,75 min ⁻¹ 		2 x 6,0	
	 operational speeds [min⁻¹]			

2.2.2.4

Operational speeds

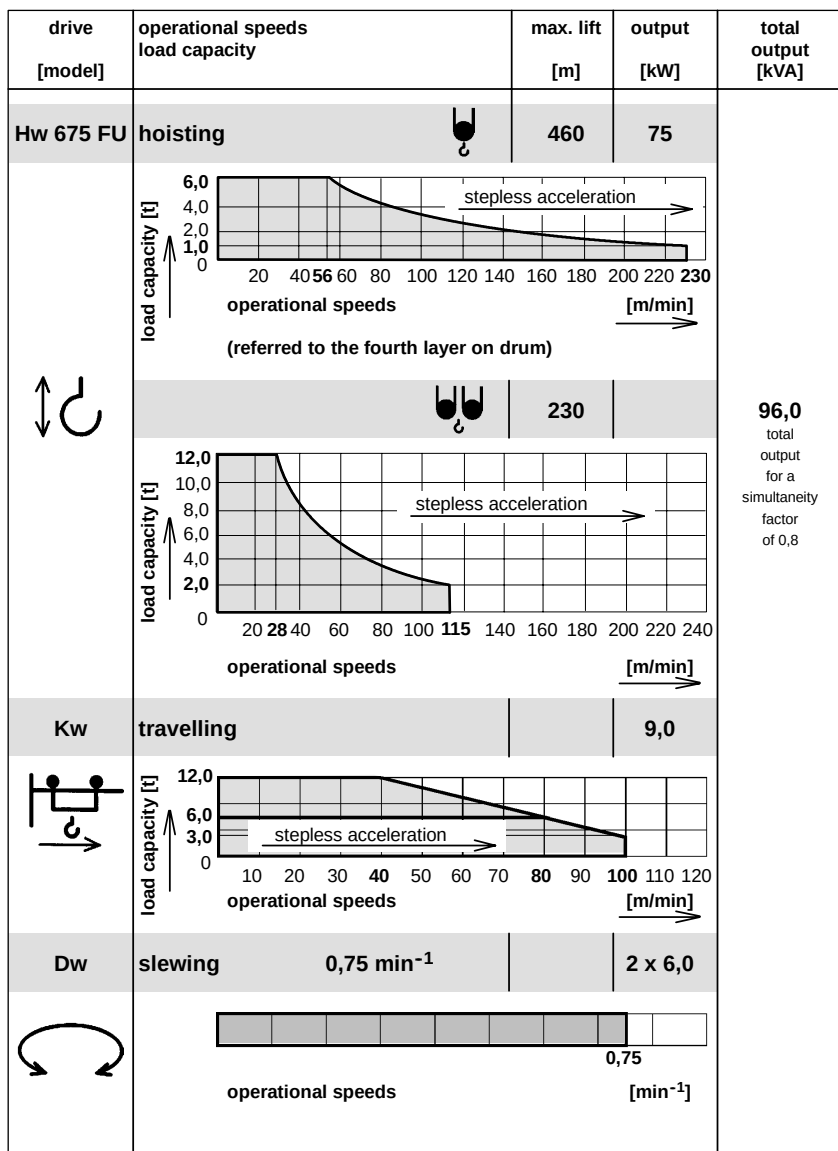
400 V, 50 Hz

drive [model]	operational speeds load capacity	max. lift [m]	output [kW]	total output [kVA]
Hw 645 FU	hoisting 	190	45	68,0 total output for a simultaneity factor of 0,8
	 load capacity [t] operational speeds [m/min] (referred to the fourth layer on drum)			
	 load capacity [t] operational speeds [m/min]	95		
Kw	travelling 		9,0	
	 load capacity [t] operational speeds [m/min]			
Dw	slewing 0,75 min ⁻¹ 		2 x 6,0	
	 operational speeds [min⁻¹]			

2.2.2.5

Operational speeds

400 V, 50 Hz



2.2.3.1

6,2 t / Load capacity [kg] Data given in distances of meters

DIN 15018 / H1 - B3

radius [m]	length of jib [m]								
	30	35	40	45	50	55	60	65	
15,0	6200	6200	6200	6200	6200	6200	6200	6200	
16,0	6200	6200	6200	6200	6200	6200	6200	6200	
17,0	6200	6200	6200	6200	6200	6200	6200	6200	
18,0	6200	6200	6200	6200	6200	6200	6200	6200	
19,0	6200	6200	6200	6200	6200	6200	6200	6200	
20,0	6200	6200	6200	6200	6200	6200	6200	6200	
21,0	6200	6200	6200	6200	6200	6200	6200	6200	
22,0	6200	6200	6200	6200	6200	6200	6200	6200	
23,0	6200	6200	6200	6200	6200	6200	6200	6200	
24,0	6200	6200	6200	6200	6200	6200	6200	6200	
25,0	6200	6200	6200	6200	6200	6200	6200	6200	
26,0	6200	6200	6200	6200	6200	6200	6200	6200	
27,0	6200	6200	6200	6200	6200	6200	6200	6200	
28,0	6200	6200	6200	6200	6200	6200	6200	6200	
29,0	6200	6200	6200	6200	6200	6200	6200	6200	
30,0	6200	6200	6200	6200	6200	6200	6200	6200	
31,0		6200	6200	6200	6200	6200	6200	6200	
32,0		6200	6200	6200	6200	6200	6200	6200	
33,0		6200	6200	6200	6200	6200	6200	6200	
34,0		6200	6200	6200	6200	6200	6200	6200	
35,0		6200	6200	6200	6200	6200	6200	6200	
36,0			6200	6200	6200	6200	6200	6190	
37,0			6200	6200	6200	6200	6200	6000	
38,0			6200	6200	6200	6200	6110	5820	
39,0			6200	6200	6200	6200	5930	5650	
40,0			6200	6200	6200	6050	5800	5500	
41,0				6200	6200	5880	5610	5340	
42,0				6200	6090	5730	5460	5200	
43,0				6200	5930	5580	5310	5060	
44,0				6200	5780	5430	5170	4930	
45,0				6100	5600	5300	5000	4800	
46,0					5500	5160	4920	4680	
47,0					5370	5040	4800	4570	
48,0					5240	4920	4680	4460	
49,0					5120	4800	4570	4350	
50,0					5000	4700	4500	4200	
51,0						4590	4360	4150	
52,0						4480	4270	4060	
53,0						4390	4170	3970	
54,0						4290	4080	3880	
55,0						4200	4000	3800	
56,0							3910	3720	
57,0							3830	3640	
58,0							3750	3560	
59,0							3670	3490	
60,0							3600	3400	
61,0								3350	
62,0								3290	
63,0								3220	
64,0								3160	
65,0								3100	

The load capacities refer to
a range of lift of 42 m

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2.2.3.2 **6,2 t / Load capacity [kg]** Data given in distances of meters **DIN 15018 / H1 - B3**

radius [m]	length of jib [m]								
	30	35	40	45	50	55	60	65	
15,0	6200	6200	6200	6200	6200	6200	6200	6200	
16,0	6200	6200	6200	6200	6200	6200	6200	6200	
17,0	6200	6200	6200	6200	6200	6200	6200	6200	
18,0	6200	6200	6200	6200	6200	6200	6200	6200	
19,0	6200	6200	6200	6200	6200	6200	6200	6200	
20,0	6200	6200	6200	6200	6200	6200	6200	6200	
21,0	6200	6200	6200	6200	6200	6200	6200	6200	
22,0	6200	6200	6200	6200	6200	6200	6200	6200	
23,0	6200	6200	6200	6200	6200	6200	6200	6200	
24,0	6200	6200	6200	6200	6200	6200	6200	6200	
25,0	6200	6200	6200	6200	6200	6200	6200	6200	
26,0	6200	6200	6200	6200	6200	6200	6200	6200	
27,0	6200	6200	6200	6200	6200	6200	6200	6200	
28,0	6200	6200	6200	6200	6200	6200	6200	6200	
29,0	6200	6200	6200	6200	6200	6200	6200	6200	
30,0	6200	6200	6200	6200	6200	6200	6200	6200	
31,0		6200	6200	6200	6200	6200	6200	6200	
32,0		6200	6200	6200	6200	6200	6200	6200	
33,0		6200	6200	6200	6200	6200	6200	6200	
34,0		6200	6200	6200	6200	6200	6200	6200	
35,0		6200	6200	6200	6200	6200	6200	6200	
36,0			6200	6200	6200	6200	6200	6200	
37,0			6200	6200	6200	6200	6200	6200	
38,0			6200	6200	6200	6200	6200	6200	
39,0			6200	6200	6200	6200	6200	6200	
40,0			6200	6200	6200	6200	6200	6200	
41,0				6200	6200	6200	6200	6200	
42,0				6200	6200	6200	6200	6130	
43,0				6200	6200	6200	6150	5970	
44,0				6200	6200	6180	5990	5810	
45,0				6200	6200	6000	5800	5700	
46,0					6150	5880	5700	5530	
47,0					6000	5740	5560	5400	
48,0					5860	5610	5430	5270	
49,0					5730	5480	5310	5150	
50,0					5600	5400	5200	5000	
51,0						5230	5070	4920	
52,0						5120	4960	4810	
53,0						5010	4850	4700	
54,0						4900	4750	4600	
55,0						4800	4600	4500	
56,0							4550	4410	
57,0							4460	4320	
58,0							4370	4230	
59,0							4280	4150	
60,0							4200	4100	
61,0								3990	
62,0								3910	
63,0								3840	
64,0								3770	
65,0								3700	

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WOLFF 6531.8	Series	Crane data
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2.2.3.3 **8,5 t / Load capacity [kg]** Data given in distances of meters **DIN 15018 / H1 - B3**

radius [m]	length of jib [m]								
	30	35	40	45	50	55	60	65	
15,0	8500	8500	8500	8500	8500	8500	8500	8500	
16,0	8500	8500	8500	8500	8500	8500	8500	8500	
17,0	8500	8500	8500	8500	8500	8500	8500	8500	
18,0	8500	8500	8500	8500	8500	8500	8500	8500	
19,0	8500	8500	8500	8500	8500	8500	8500	8500	
20,0	8500	8500	8500	8500	8500	8500	8500	8500	
21,0	8500	8500	8500	8500	8500	8500	8500	8500	
22,0	8500	8500	8500	8500	8500	8500	8500	8500	
23,0	8500	8500	8500	8500	8500	8500	8500	8500	
24,0	8500	8500	8500	8500	8500	8500	8500	8500	
25,0	8500	8500	8500	8500	8500	8500	8500	8500	
26,0	8500	8500	8500	8500	8500	8500	8500	8500	
27,0	8500	8500	8500	8500	8500	8500	8500	8490	
28,0	8500	8500	8500	8500	8500	8500	8500	8160	
29,0	8500	8500	8500	8500	8500	8500	8230	7850	
30,0	8500	8500	8500	8500	8500	8300	7900	7600	
31,0		8500	8500	8500	8500	8020	7650	7300	
32,0		8500	8500	8500	8220	7740	7390	7050	
33,0		8500	8500	8500	7950	7490	7140	6810	
34,0		8500	8500	8310	7700	7250	6910	6590	
35,0		8400	8300	8100	7500	7000	6700	6400	
36,0			8080	7810	7230	6800	6490	6190	
37,0			7840	7580	7010	6600	6290	6000	
38,0			7620	7360	6810	6410	6110	5820	
39,0			7400	7150	6620	6220	5930	5650	
40,0			7200	7000	6400	6000	5800	5500	
41,0				6770	6260	5880	5610	5340	
42,0				6590	6090	5730	5460	5200	
43,0				6420	5930	5580	5310	5060	
44,0				6260	5780	5430	5180	4930	
45,0				6100	5600	5300	5000	4800	
46,0					5500	5170	4920	4680	
47,0					5370	5040	4800	4570	
48,0					5240	4920	4680	4460	
49,0					5120	4800	4570	4350	
50,0					5000	4700	4500	4200	
51,0						4590	4360	4150	
52,0						4480	4270	4060	
53,0						4390	4170	3970	
54,0						4290	4080	3880	
55,0						4200	4000	3800	
56,0							3910	3720	
57,0							3830	3640	
58,0							3750	3560	
59,0							3670	3490	
60,0							3600	3400	
61,0								3350	
62,0								3290	
63,0								3220	
64,0								3160	
65,0								3100	

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2.2.3.4 **8,5 t / Load capacity [kg] Data given in distances of meters** **DIN 15018 / H1 - B3**

radius [m]	length of jib [m]							
	30	35	40	45	50	55	60	65
15,0	8500	8500	8500	8500	8500	8500	8500	8500
16,0	8500	8500	8500	8500	8500	8500	8500	8500
17,0	8500	8500	8500	8500	8500	8500	8500	8500
18,0	8500	8500	8500	8500	8500	8500	8500	8500
19,0	8500	8500	8500	8500	8500	8500	8500	8500
20,0	8500	8500	8500	8500	8500	8500	8500	8500
21,0	8500	8500	8500	8500	8500	8500	8500	8500
22,0	8500	8500	8500	8500	8500	8500	8500	8500
23,0	8500	8500	8500	8500	8500	8500	8500	8500
24,0	8500	8500	8500	8500	8500	8500	8500	8500
25,0	8500	8500	8500	8500	8500	8500	8500	8500
26,0	8500	8500	8500	8500	8500	8500	8500	8500
27,0	8500	8500	8500	8500	8500	8500	8500	8500
28,0	8500	8500	8500	8500	8500	8500	8500	8500
29,0	8500	8500	8500	8500	8500	8500	8500	8500
30,0	8500	8500	8500	8500	8500	8500	8500	8500
31,0		8500	8500	8500	8500	8500	8500	8500
32,0		8500	8500	8500	8500	8500	8500	8270
33,0		8500	8500	8500	8500	8490	8230	8000
34,0		8500	8500	8500	8500	8220	7970	7740
35,0		8500	8500	8500	8300	8000	7700	7500
36,0			8500	8500	8060	7720	7490	7270
37,0			8490	8310	7820	7490	7270	7050
38,0			8250	8070	7600	7270	7050	6850
39,0			8020	7840	7390	7070	6860	6650
40,0			7800	7600	7200	6900	6700	6500
41,0				7430	6990	6690	6490	6290
42,0				7230	6810	6510	6310	6130
43,0				7050	6630	6340	6150	5970
44,0				6870	6460	6180	5990	5810
45,0				6700	6300	6000	5800	5700
46,0					6150	5880	5700	5530
47,0					6000	5740	5560	5400
48,0					5860	5610	5400	5270
49,0					5730	5480	5310	5150
50,0					5600	5400	5200	5000
51,0						5230	5070	4920
52,0						5120	4960	4810
53,0						5010	4850	4700
54,0						4900	4750	4600
55,0						4800	4600	4500
56,0							4550	4410
57,0							4460	4320
58,0							4370	4240
59,0							4280	4150
60,0							4200	4100
61,0								3990
62,0								3910
63,0								3840
64,0								3770
65,0								3700

The load capacities refer to a range of lift of 42 m

2.2.3.5 **6,0 t Load capacity [kg] Data given in distances of meters** **DIN 15018 / H1 - B3**

radius [m]	length of jib [m]							
	30	35	40	45	50	55	60	65
15,0	6000	6000	6000	6000	6000	6000	6000	6000
16,0	6000	6000	6000	6000	6000	6000	6000	6000
17,0	6000	6000	6000	6000	6000	6000	6000	6000
18,0	6000	6000	6000	6000	6000	6000	6000	6000
19,0	6000	6000	6000	6000	6000	6000	6000	6000
20,0	6000	6000	6000	6000	6000	6000	6000	6000
21,0	6000	6000	6000	6000	6000	6000	6000	6000
22,0	6000	6000	6000	6000	6000	6000	6000	6000
23,0	6000	6000	6000	6000	6000	6000	6000	6000
24,0	6000	6000	6000	6000	6000	6000	6000	6000
25,0	6000	6000	6000	6000	6000	6000	6000	6000
26,0	6000	6000	6000	6000	6000	6000	6000	6000
27,0	6000	6000	6000	6000	6000	6000	6000	6000
28,0	6000	6000	6000	6000	6000	6000	6000	6000
29,0	6000	6000	6000	6000	6000	6000	6000	6000
30,0	6000	6000	6000	6000	6000	6000	6000	6000
31,0		6000	6000	6000	6000	6000	6000	6000
32,0		6000	6000	6000	6000	6000	6000	6000
33,0		6000	6000	6000	6000	6000	6000	6000
34,0		6000	6000	6000	6000	6000	6000	6000
35,0		6000	6000	6000	6000	6000	6000	6000
36,0			6000	6000	6000	6000	6000	5910
37,0			6000	6000	6000	6000	6000	5720
38,0			6000	6000	6000	6000	5820	5540
39,0			6000	6000	6000	5930	5650	5370
40,0			6000	6000	6000	5800	5500	5200
41,0				6000	5960	5590	5320	5060
42,0				6000	5800	5440	5170	4910
43,0				6000	5640	5280	5020	4770
44,0				5960	5490	5140	4890	4640
45,0				5800	5300	5000	4800	4500
46,0					5200	4870	4630	4390
47,0					5070	4740	4510	4280
48,0					4940	4620	4390	4170
49,0					4820	4510	4280	4060
50,0					4700	4400	4200	4000
51,0						4290	4070	3860
52,0						4190	3970	3770
53,0						4090	3880	3670
54,0						3990	3780	3590
55,0						3900	3700	3500
56,0							3610	3420
57,0							3530	3340
58,0							3450	3270
59,0							3370	3190
60,0							3300	3100
61,0								3050
62,0								2990
63,0								2920
64,0								2860
65,0								2800

The load capacities refer to a range of lift of 42 m

2.2.3.6 6,0 t Load capacity [kg] Data given in distances of meters DIN 15018 / H1 - B3

radius [m]	length of jib [m]							
	30	35	40	45	50	55	60 	65
15,0	6000	6000	6000	6000	6000	6000	6000	6000
16,0	6000	6000	6000	6000	6000	6000	6000	6000
17,0	6000	6000	6000	6000	6000	6000	6000	6000
18,0	6000	6000	6000	6000	6000	6000	6000	6000
19,0	6000	6000	6000	6000	6000	6000	6000	6000
20,0	6000	6000	6000	6000	6000	6000	6000	6000
21,0	6000	6000	6000	6000	6000	6000	6000	6000
22,0	6000	6000	6000	6000	6000	6000	6000	6000
23,0	6000	6000	6000	6000	6000	6000	6000	6000
24,0	6000	6000	6000	6000	6000	6000	6000	6000
25,0	6000	6000	6000	6000	6000	6000	6000	6000
26,0	6000	6000	6000	6000	6000	6000	6000	6000
27,0	6000	6000	6000	6000	6000	6000	6000	6000
28,0	6000	6000	6000	6000	6000	6000	6000	6000
29,0	6000	6000	6000	6000	6000	6000	6000	6000
30,0	6000	6000	6000	6000	6000	6000	6000	6000
31,0		6000	6000	6000	6000	6000	6000	6000
32,0		6000	6000	6000	6000	6000	6000	6000
33,0		6000	6000	6000	6000	6000	6000	6000
34,0		6000	6000	6000	6000	6000	6000	6000
35,0		6000	6000	6000	6000	6000	6000	6000
36,0			6000	6000	6000	6000	6000	6000
37,0			6000	6000	6000	6000	6000	6000
38,0			6000	6000	6000	6000	6000	6000
39,0			6000	6000	6000	6000	6000	6000
40,0			6000	6000	6000	6000	6000	6000
41,0				6000	6000	6000	6000	6000
42,0				6000	6000	6000	6000	5840
43,0				6000	6000	6000	5860	5680
44,0				6000	6000	5890	5700	5530
45,0				6000	6000	5700	5600	5400
46,0					5850	5590	5410	5240
47,0					5710	5450	5270	5110
48,0					5570	5310	5140	4980
49,0					5430	5180	5010	4860
50,0					5300	5100	4900	4700
51,0						4940	4780	4620
52,0						4820	4660	4520
53,0						4710	4560	4410
54,0						4600	4450	4310
55,0						4500	4400	4200
56,0							4250	4120
57,0							4160	4030
58,0							4070	3940
59,0							3980	3850
60,0							3900	3800
61,0								3690
62,0								3620
63,0								3540
64,0								3470
65,0								3400

The load capacities refer to a range of lift of 42 m

2.2.3.7 12 t Load capacity [kg] Data given in distances of meters DIN 15018 / H1 - B3

radius [m]	length of jib [m]							
	30	35	40	45	50	55	60 	65 
15,0	12000	12000	12000	12000	12000	12000	12000	12000
16,0	12000	12000	12000	12000	12000	12000	12000	12000
17,0	12000	12000	12000	12000	12000	12000	12000	12000
18,0	12000	12000	12000	12000	12000	12000	12000	12000
19,0	12000	12000	12000	12000	12000	12000	12000	12000
20,0	12000	12000	12000	12000	12000	12000	11920	11390
21,0	12000	12000	12000	12000	12000	6420	11300	10790
22,0	12000	12000	12000	12000	11930	6210	10730	10240
23,0	12000	12000	12000	12000	11360	6020	10210	9750
24,0	12000	12000	12000	11700	10840	5830	9740	9290
25,0	11800	11700	11600	11200	10400	9800	9300	8900
26,0	11260	11170	11090	10710	9920	5490	8900	8490
27,0	10800	10710	10630	10270	9510	5340	8530	8130
28,0	10370	10290	10210	9870	9130	5180	8180	7800
29,0	9970	9900	9820	9480	8770	5040	7860	7490
30,0	9600	9500	9500	9100	8400	7900	7600	7200
31,0		9180	9110	8800	8130	7640	7280	6930
32,0		8860	8790	8490	7840	7370	7020	6680
33,0		8560	8490	8190	7570	7110	6770	6440
34,0		8270	8200	7920	7310	6860	6530	6220
35,0		8000	7900	7700	7100	6600	6300	6000
36,0			7680	7420	6840	6420	6110	5810
37,0			7450	7180	6620	6210	5910	5620
38,0			7220	6960	6420	6020	5720	5440
39,0			7000	6760	6220	5830	5550	5270
40,0			6800	6600	6000	5700	5400	5100
41,0				6370	5860	5490	5220	4960
42,0				6190	5700	5340	5070	4810
43,0				6020	5540	5180	4920	4670
44,0				5860	5390	5040	4790	4540
45,0				5700	5200	4900	4700	4400
46,0					5100	4770	4530	4290
47,0					4970	4640	4410	4180
48,0					4840	4520	4290	4070
49,0					4720	4410	4180	3960
50,0					4600	4300	4100	3900
51,0						4190	3970	3760
52,0						4090	3870	3670
53,0						3990	3780	3570
54,0						3890	3680	3490
55,0						3800	3600	3400
56,0							3510	3320
57,0							3430	3240
58,0							3350	3170
59,0							3270	3090
60,0							3200	3000
61,0								2950
62,0								2890
63,0								2820
64,0								2760
65,0								2700

The load capacities refer to a range of lift of 42 m

2.2.3.8 12 t / Load capacity [kg] Data given in distances of meters

DIN 15018 / H1 - B3

radius [m]	length of jib [m]							
	30	35	40	45	50	55	60	65
15,0	12000	12000	12000	12000	12000	12000	12000	12000
16,0	12000	12000	12000	12000	12000	12000	12000	12000
17,0	12000	12000	12000	12000	12000	12000	12000	12000
18,0	12000	12000	12000	12000	12000	12000	12000	12000
19,0	12000	12000	12000	12000	12000	12000	12000	12000
20,0	12000	12000	12000	12000	12000	12000	12000	12000
21,0	12000	12000	12000	12000	12000	12000	12000	12000
22,0	12000	12000	12000	12000	12000	12000	12000	12000
23,0	12000	12000	12000	12000	12000	12000	11780	11440
24,0	12000	12000	12000	12000	12000	11580	11240	10920
25,0	12000	12000	12000	12000	11600	11100	10700	10400
26,0	12000	11980	12000	11750	11070	10600	10290	9990
27,0	11680	11490	11520	11270	10620	10170	9860	9580
28,0	11230	11040	11070	10830	10200	9760	9470	9190
29,0	10800	10620	10650	10420	9810	9380	9100	8840
30,0	10400	10200	10300	10000	9400	9000	8800	8500
31,0		9860	9890	9670	9100	8700	8440	8190
32,0		9520	9540	9330	8780	8400	8140	7900
33,0		9190	9220	9010	8480	8110	7860	7620
34,0		8890	8910	8710	8190	7830	7590	7370
35,0		8600	8600	8400	7900	7600	7300	7100
36,0			8350	8170	7670	7330	7110	6890
37,0			8090	7910	7430	7100	6880	6680
38,0			7850	7670	7210	6890	6670	6470
39,0			7620	7450	6990	6680	6470	6270
40,0			7400	7200	6800	6500	6300	6100
41,0				7030	6600	6300	6100	5910
42,0				6830	6410	6120	5930	5740
43,0				6650	6240	5950	5760	5580
44,0				6470	6070	5790	5600	5430
45,0				6300	5900	5600	5500	5300
46,0					5750	5490	5310	5140
47,0					5610	5350	5170	5010
48,0					5470	5210	5040	4880
49,0					5330	5080	4910	4760
50,0					5200	5000	4800	4600
51,0						4840	4680	4520
52,0						4720	4560	4420
53,0						4610	4460	4310
54,0						4500	4350	4210
55,0						4400	4300	4100
56,0							4150	4020
57,0							4060	3930
58,0							3970	3840
59,0							3880	3750
60,0							3800	3700
61,0								3590
62,0								3520
63,0								3440
64,0								3370
65,0								3300

The load capacities refer to
a range of lift of 42 m

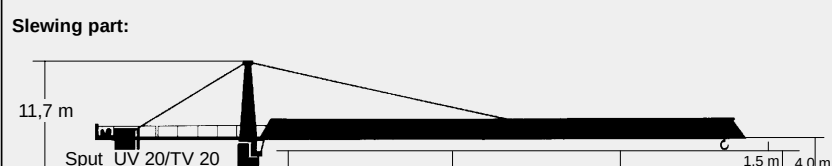
962-4-027065E

2.2.7.1

Tower configurations

WOLFF 6531.6 / WOLFF 6531.8

for a free standing stationary tower crane without climbing drive on a concrete foundation.

Slewing part:									
									
1	4,5	UV 20.4	46,5 m hook height	UV 20.4	64,5 m hook height	UV 20.4	73,5 m hook height	UV 20.4	82,5 m hook height
2	9,0	UV 20.4		UV 20.4		UV 20.4		UV 20.4	
3	13,5	UV 20.4		UV 20.4		UV 20.4		UV 20.4	
4	18,0	UV 20.4		UV 20.4		UV 20.4		UV 20.4	
5	22,5	UV 20.4		UV 20.4		UV 20.4		UV 20.4	
6	27,0	UV 20.4		UV 20.4		UV 20.4		UV 20.4	
7	31,5	UV 20.4		UV 20.4		UV 20.4		UV 20.4	
8	36,0	UV 20.4		UV 20.4		UV 20.4		UV 20.4	
9	40,5	UV 20.4		UV 20.4	TVA 20.4		TVA 20.4		
10	45,0	UV 20.4		TVA 20.4	TV 20.4		TV 20.4		
11	49,5	foundation anchor type AKZ 120		TV 20.4	TV 20.4		TV 20.4		
12	54,0			TV 20.4	TV 20.4		TV 20.4		
13	58,5			TV 20.4	TV 20.4		TV 20.4		
14	63,0			TV 20.4	TV 20.4		TV 20.4		
15	67,5	foundation anchor type AKZ 140			TV 25		TV 25		
16	72,0				TV 25		UVA 25		
17	76,5				foundation anchor type AKZ 140		UV 25		
18	81,0						UV 25 S		
tower elements	height of tower [m]	foundation anchor type F/S 156							

For data regarding foundation anchors see section 12.

The tower configurations are recommended for economic crane installation and may be used in any case.

Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane installation starts.

962-4-026135E

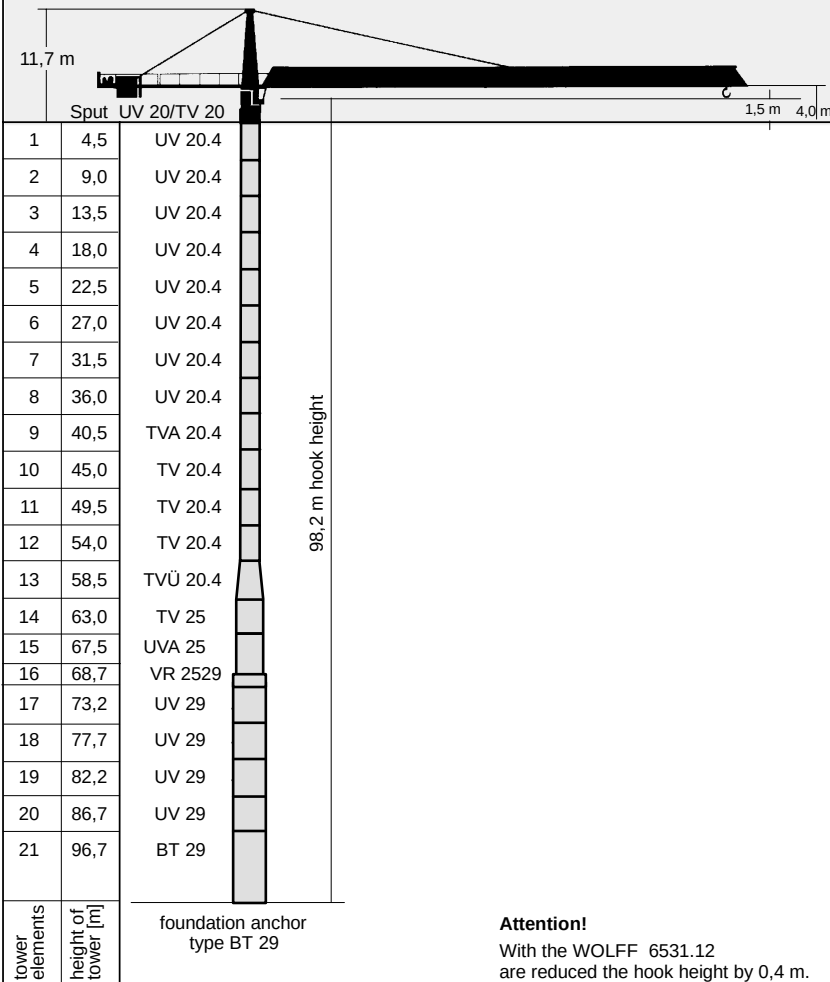
2.2.7.2

Tower configurations

WOLFF 6531.6 / WOLFF 6531.8

for a free standing stationary tower crane without climbing drive on a concrete foundation.

Slewing part:



For data regarding foundation anchors see section 12.

The tower configurations are recommended for economic crane installation and may be used in any case.

Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane installation starts.

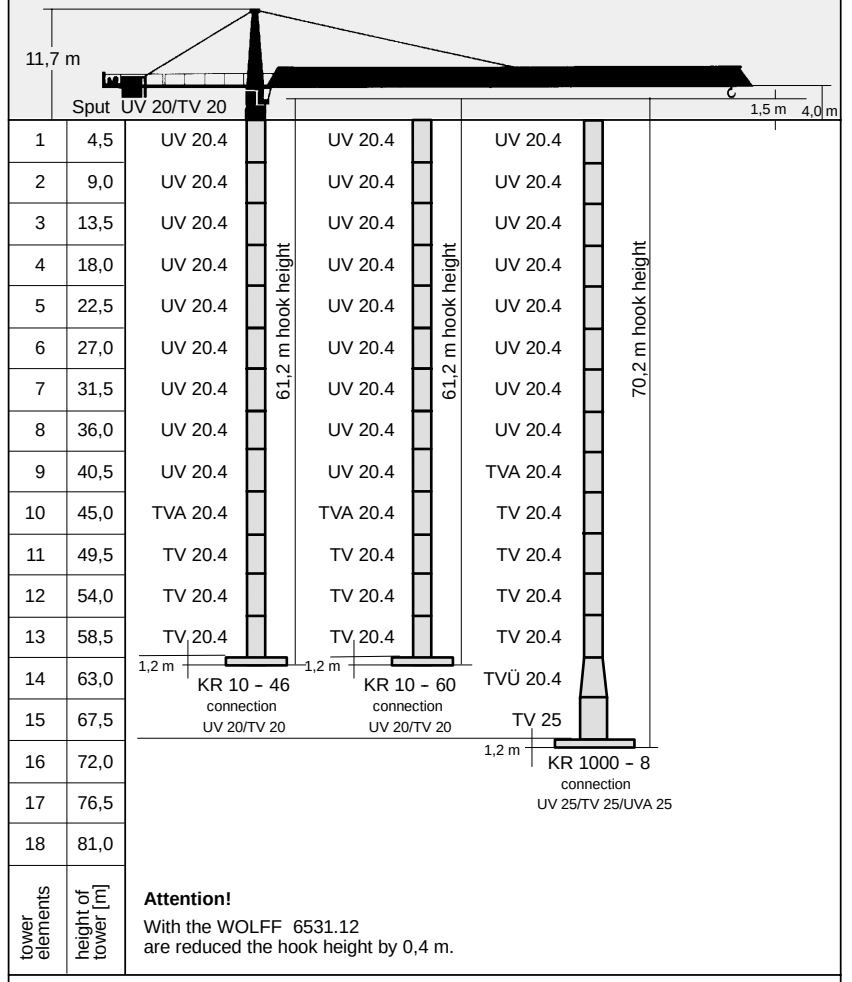
2.2.8.1

Tower configurations

WOLFF 6531.6 / WOLFF 6531.8

for a free standing stationary tower crane without climbing drive on a cross frame.

Slewing part:



For data regarding cross frames see section 12.

The tower configurations are recommended for economic crane installation and may be used in any case.

Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane installation starts.

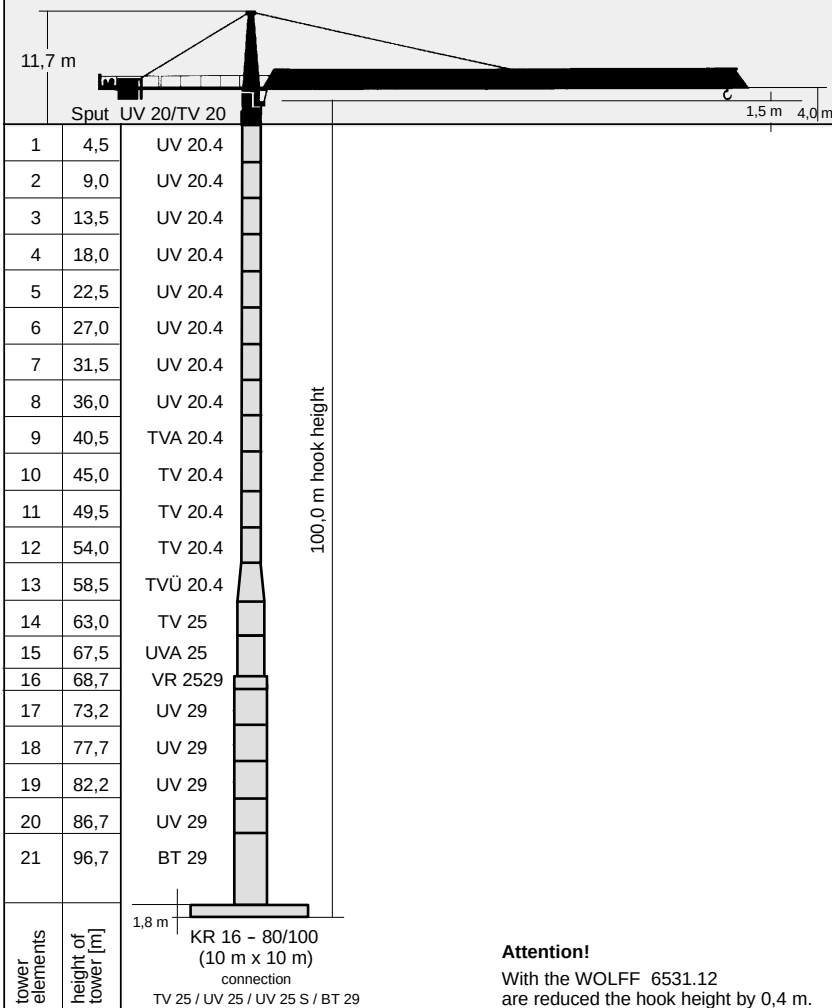
2.2.8.2

Tower configurations

WOLFF 6531.6 / WOLFF 6531.8

for a free standing stationary tower crane without climbing drive on a cross frame.

Slewing part:

**Attention!**

With the WOLFF 6531.12
are reduced the hook height by 0,4 m.

For data regarding cross frames see section 12.

The tower configurations are recommended for economic crane installation and may be used in any case.
Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane installation starts.

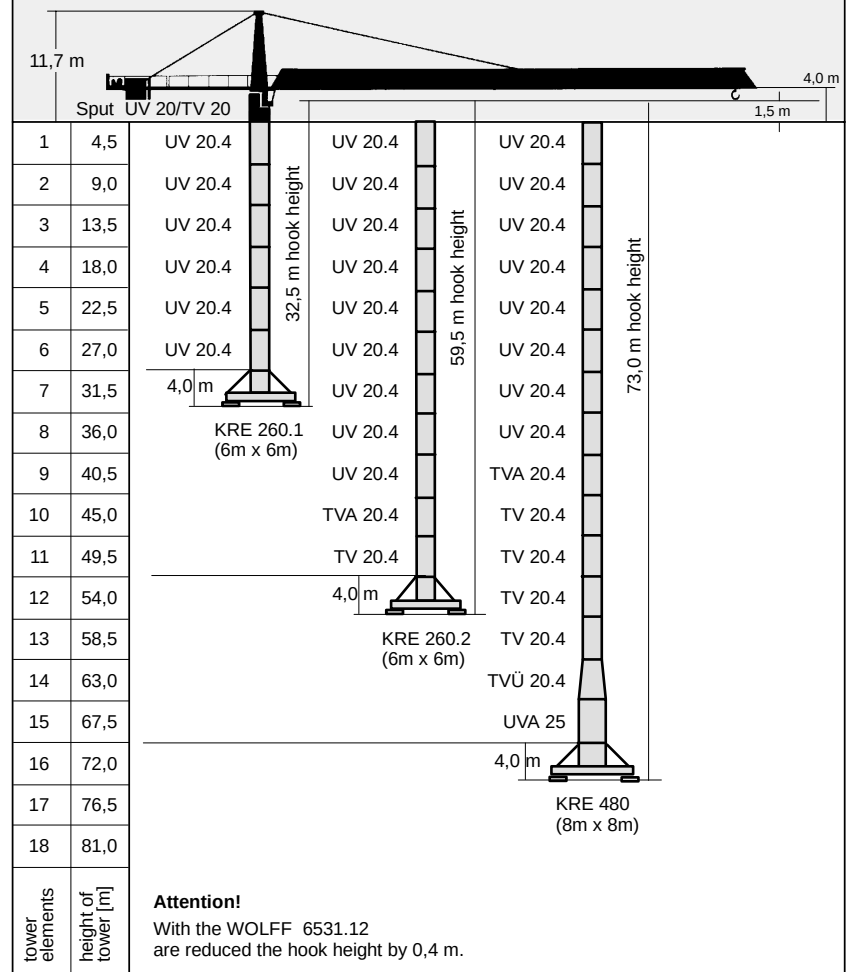
2.2.9.1

Tower configurations

WOLFF 6531.6 / WOLFF 6531.8

for a free standing stationary tower crane without climbing drive on a cross frame element.

Slewing part:

**Attention!**

With the WOLFF 6531.12
are reduced the hook height by 0,4 m.

For data regarding cross frames elements see section 12.

The tower configurations are recommended for economic crane installation and may be used in any case.

Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane installation starts.

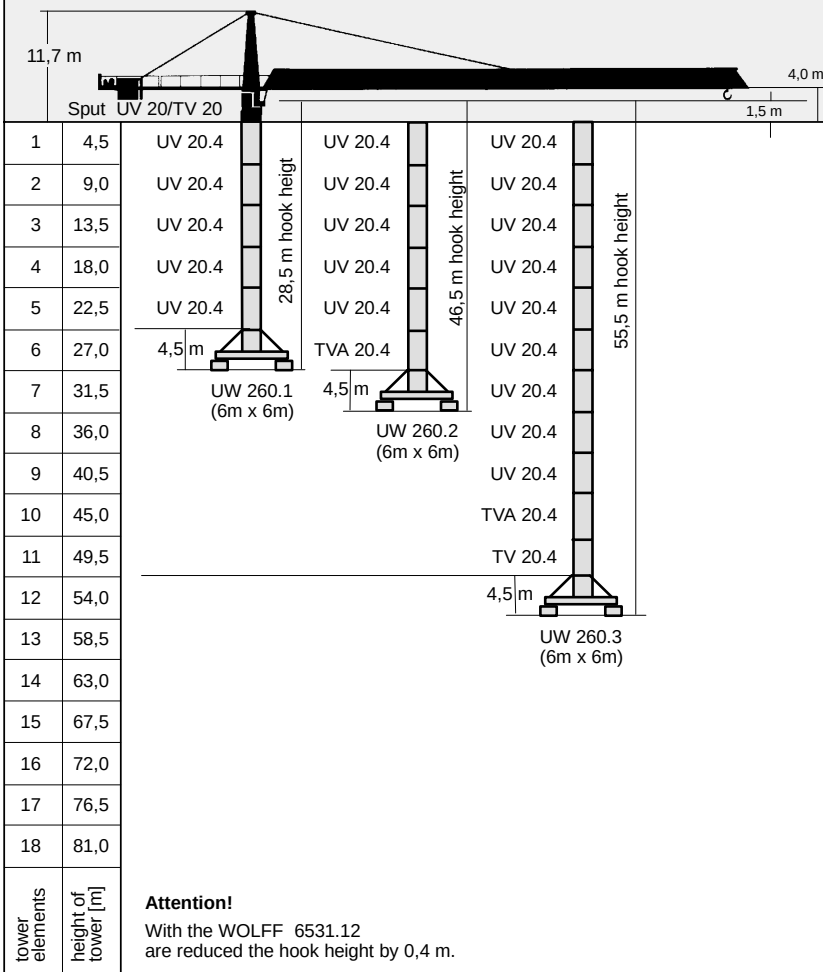
2.2.10.1

Tower configurations

WOLFF 6531.6 / WOLFF 6531.8

for a travelling tower crane without climbing drive.

Slewing part:



For data regarding undercarriage see section 12.
The tower configurations are recommended for economic crane installation and may be used in any case.
Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane installation starts.

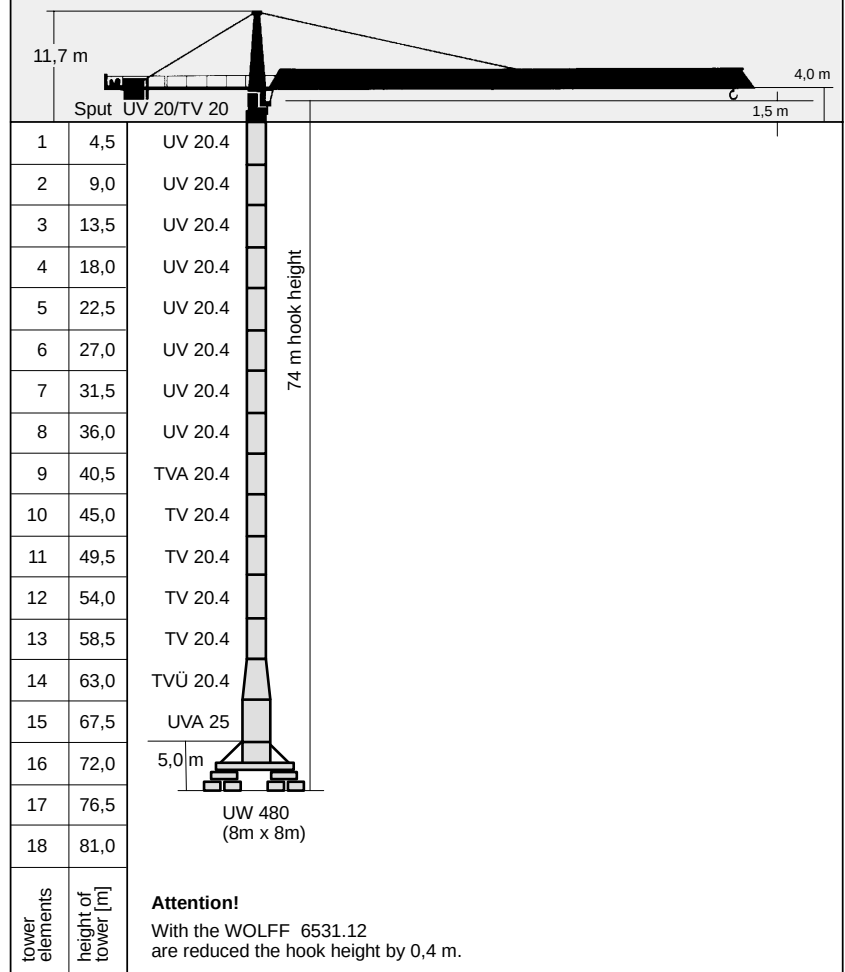
2.2.10.2

Tower configurations

WOLFF 6531.6 / WOLFF 6531.8

for a travelling tower crane without climbing drive.

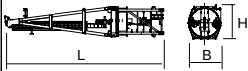
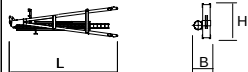
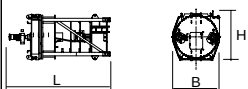
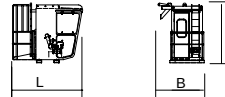
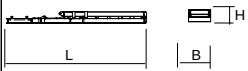
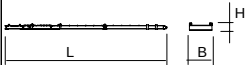
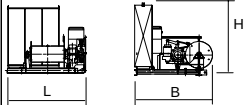
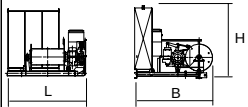
Slewing part:



For data regarding undercarriage see section 12.
The tower configurations are recommended for economic crane installation and may be used in any case.
Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane installation starts.

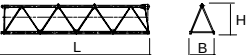
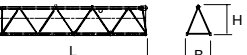
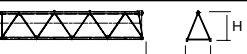
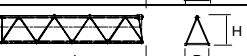
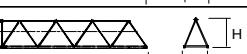
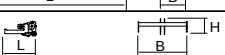
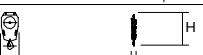
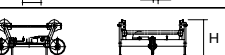
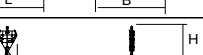
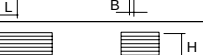
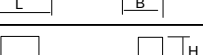
2.3.1

Colli list

Item	psc.	Designation	Colli	L (m)	B (m)	H (m)	weight (kg)	volume (m³)
1	1	tower top complete with platforms and diverse bracing parts		11,72	2,42	2,42	10560	68,64
	item 1 disassembled	tower top upper part with platforms and diverse bracing parts		7,45	1,37	2,42	2730	24,70
		tower top lower part with slewing frame, DV; slewing drives and slip ring system		5,39	2,42	2,42	7830	31,57
2	1	driver's cabin with driver's cabin suspension		2,80	2,15	2,45	1100	14,75
		driver's cabin suspension		1,03	2,01	0,58	230	1,20
3	1	counterjib folded (with bracing parts)		12,40	2,49	1,05	4700 (430)	32,29
		counterjib (with bracing parts)		16,34	2,49	0,65	4700 (430)	26,45
4	1	machinery platform Hw645FU/Hw845FU with hoisting rope (Ø 16 mm x 280 m)		Hoist drive Hw 645 FU				
				2,48	2,46	2,18	3170	13,30
		machinery platform Hw 675 FU with hoisting rope (Ø 16 mm x 280 m)		Hoist drive Hw 845 FU				
				2,48	2,46	2,18	3270	13,30
Loose and small parts can be distributed depending on the available space.								

2.3.2

Colli list

Item	psc.	Designation	Colli	L (m)	B (m)	H (m)	weight (kg)	volume (m³)
5	1	jib part 1 with trolley drive		10,16	1,64	2,30	2960	38,32
6	1	jib part 2		10,27	1,64	2,05	1810	34,53
7	1	jib part 3 (with bracing parts)		10,27	1,64	2,05	3205 (1480)	34,53
9	1	jib part 5		5,26	1,64	2,02	1000	17,43
10	1	jib part 6		10,24	1,64	2,01	1700	33,76
11	1	jib part 7		10,22	1,64	2,00	1260	33,52
12	1	jib part 8		10,20	1,64	2,00	1010	33,46
13	1	rope swivel travers		1,05	1,54	0,47	135	0,76
14	1	trolley LK 8		1,87	1,87	0,94	335	3,29
15	1	hook block U 8 (lose part)		0,50	0,22	1,11	350	0,12
14	1	trolley LK 6/12		1,87	1,85	0,99	410	3,43
15	1	hook block U 6/12 (lose part)		1,02	0,26	1,70	560	0,45
16	1	standard handrail (lose part)		2,55	1,1	1,8	460	5,05
17	1	box (lose part)		1,6	0,9	0,8	370	1,15
Loose and small parts can be distributed depending on the available space.								

WOLFF 6531**Crane data****2 / 65**

2.5.1

Assembly weights - slewing part

Tower top complete bracing brackets (1 x 590 mm, 2 x 6315 mm), driver's cabin, driver's cabin suspension, platform and standard handrails - tower top upper part complete - driver's cabin with driver's cabin suspension - Tower top lower part with slewing frame, KDV, slewing drives, standard handrails and slipping system	11 790 kg 2 730 kg 1 230 kg 7 830 kg
Counterjib with Hw 645 FU complete - counterjib with 4 bracing brackets and standard handrails - machinery platform with hoisting rope (Ø 16 mm x 280 m) - counterweight stone 2 t (under the machinery platform)	10 170 kg 5 000 kg 3 170 kg 2 000 kg
Counterjib with Hw 845 FU complete - counterjib with 4 bracing brackets and standard handrails - machinery platform with hoisting rope (Ø 16 mm x 280 m) - counterweight stone 2 t (under the machinery platform)	10 270 kg 5 000 kg 3 270 kg 2 000 kg
Counterjib with Hw 675 FU complete - counterjib with 4 bracing brackets and standard handrails - machinery platform with hoisting rope (Ø 16 mm x 280 m) - counterweight stone 2 t (under the machinery platform)	10 500 kg 5 000 kg 3 500 kg 2 000 kg
65 m Trolley jib complete (operation in 2/4 - falls) - bracing brackets - trolley - traversing ropes - hook block - standard handrails	13 885 kg

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2.5.2

Assembly weights - slewing part

60 m Trolley jib complete (operation in 2/4 - falls) - bracing brackets - trolley - traversing ropes - hook block - standard handrails	12 885 kg
55 m Trolley jib complete (operation in 2/4 - falls) - bracing brackets - trolley - traversing ropes - hook block - standard handrails	12 875 kg
50 m Trolley jib complete (operation in 2/4 - falls) - bracing brackets - trolley - traversing ropes - hook block - standard handrails	11 875 kg
45 m Trolley jib complete - bracing brackets - trolley - traversing ropes - hook block - standard handrails	11 615 kg
40 m Trolley jib complete (operation in 2/4 - falls) - bracing brackets - trolley - traversing ropes - hook block - standard handrails	10 615 kg
35 m Trolley jib complete (operation in 2/4 - falls) - bracing brackets - trolley - traversing ropes - hook block - standard handrails	9 915 kg
30 m Trolley jib complete (operation in 2/4 - falls) - bracing brackets - trolley - traversing ropes - hook block - standard handrails	8 915 kg

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Crane data

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2.5.3

Assembly weights - cross frame / cross frame element / undercarriage

Cross frame KR 10 - 46/60 (4,6 m x 4,6 m)	(without optional features)	7 000 kg
	- 4 spigots AZR 120 E 15.5	560 kg
	- 4 spigots AZ 140 M	684 kg
Cross frame KR 10 - 46/60 (6,0 m x 6,0 m)	(without optional features)	8 805 kg
	- 4 spigots AZR 120 E 15.5	560 kg
	- 4 spigots AZ 140 M	684 kg
Cross frame KR 1000 - 8	(without optional features)	14 630 kg
	- 4 spigots AZ 140 E	684 kg
	- 4 spigots AZ 156 M	748 kg
Cross frame KR 16 - 80/100 (8 m x 8 m)	(without optional features)	21 450 kg
	- 4 spigots AZ 140 E KR16-80	620 kg
	- 4 spigots AZ 156 M KR16-80	680 kg
	- 4 spigots AZ 156S M KR16-80	675 kg
Cross frame KR 16 - 80/100 (10 m x 10 m)	(without optional features)	25 400 kg
	- 4 spigots AZ 140 E KR16-80	620 kg
	- 4 spigots AZ 156 M KR16-80	680 kg
	- 4 spigots AZ 156S M KR16-80	675 kg

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Crane data

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2.5.4

Assembly weights - cross frame / cross frame element / undercarriage

Cross frame element KRE 260.1 complete	8 100 kg
- cross frame platform with swivel arms, corner bearings and transport safety devices	4 320 kg
- base mast part with diagonal struts and track rod	3 780 kg
Cross frame element KRE 260.2 complete	10 900 kg
- cross frame platform with swivel arms, corner bearings and transport safety devices	5 455 kg
- base mast part with diagonal struts and track rod	5 445 kg
Cross frame element KRE 480 complete	24 250 kg
- base mast part	7 100 kg
- swivel arms and corner bearings	6 250 kg
- diagonal struts and ballast suspension means	9 260 kg
- assembly platform, ladder and small parts	1 640 kg
Undercarriage UW 260.1 complete	11 400 kg
- undercarriage platform with swivel arms, subframes and transport safety devices	7 150 kg
- base mast part with diagonal struts and track rod	4 250 kg
Undercarriage UW 260.2 complete	13 930 kg
- undercarriage platform with swivel arms, subframes and transport safety devices	8 050 kg
- base mast part with diagonal struts and track rod	5 880 kg
Undercarriage UW 260.3 complete	17 200 kg
- undercarriage platform with swivel arms, subframes and transport safety devices	11 300 kg
- base mast part with diagonal struts and track rod	5 900 kg
Undercarriage UW 480 complete	34 000 kg
- base mast part	7 100 kg
- swivel arms with traverse and subframes	16 000 kg
- diagonal struts and ballast suspension means	9 260 kg
- assembly platform, ladder and small parts	1 640 kg

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2.5.3

Required height under hook for the mobile crane

**Warning!**

Use suspension ropes with sufficient capacity and observe suspension plan!

Required height under hook for mobile crane

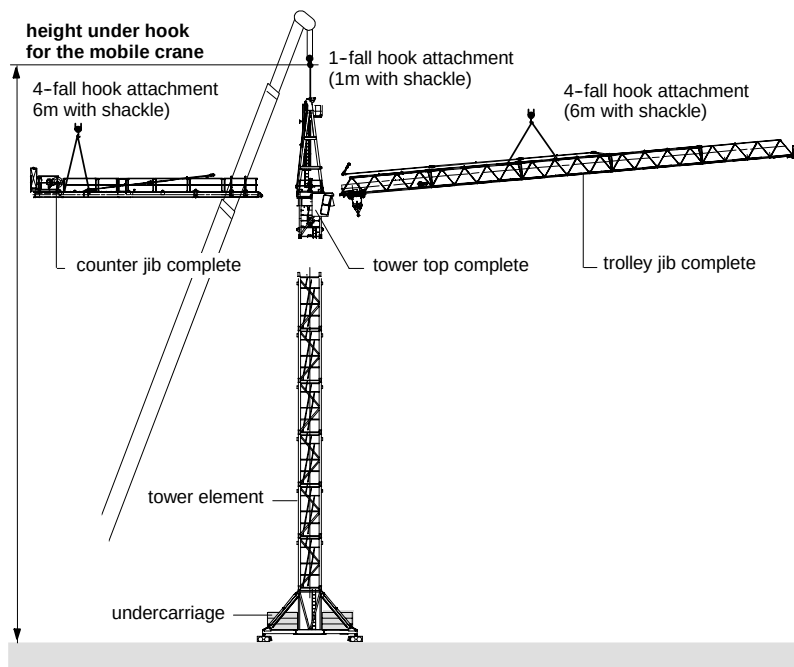
=

Height under hook of WOLFF tower crane + min. 15 m.

For data regarding the height under hook of WOLFF tower crane see tower configurations.

If the crane will be erected on another substructure, the required height under hook of the crane increases by the structural dimension of the substructure.

Differences in ground (mobile crane basis - tower crane basis) must be considered for erection.



2.6.1.1

Trolley jib - suspension plan jib 65 m to 50 m

operation 2 - falls

**Danger in case of disassembling!**

Release fixing bolts at the pivot point of the jib. Jib must be balanced before it can be extended. There mustn't be any loose parts on the jib.

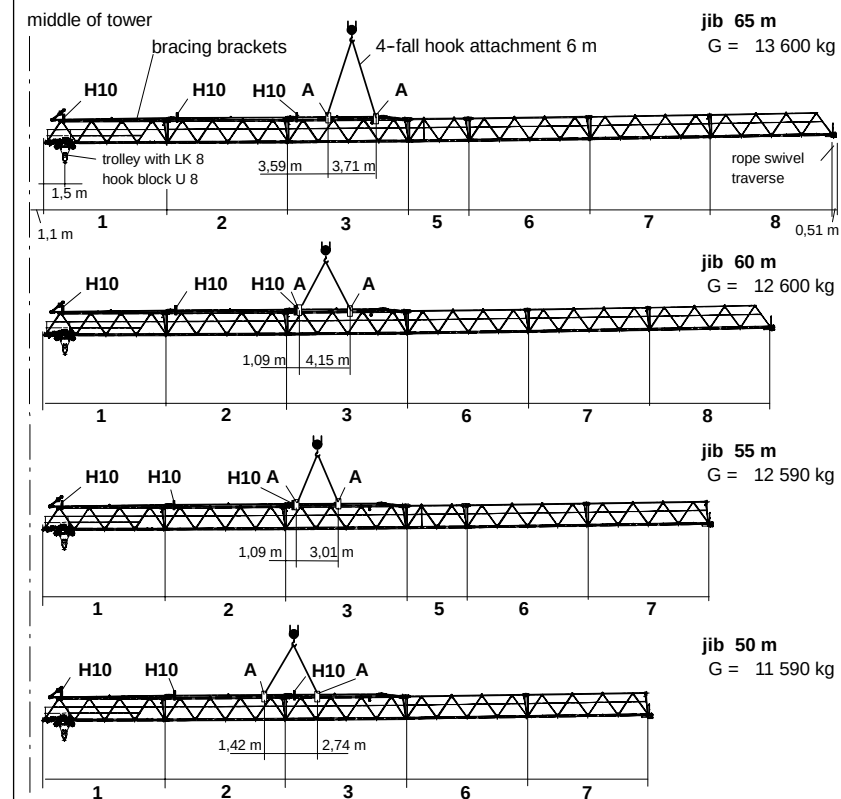
The parts of the jib are labeled with a building part identification at the top chord.

Lengths:	jib part	1/2/3/6/7/8	= 10,0 m
	jib part	5	= 5,0 m
	rope swivel traverse		= 0,51 m

More details about suspension **A** and support **H10** see section 2.6.2

**Attention!**

For assembly hang on snatch block with 2 sling ropes DIN 3088 (Ø 8 mm x 1 m with shackle) to the trolley, reeve in assembly rope (perlon rope Ø 14 mm x 12 m) and secure at the trolley.



2.6.1.2

Trolley jib - suspension plan jib 45 m to 30 m

operation 2 - falls

**Danger in case of disassembling!**

Release fixing bolts at the pivot point of the jib. Jib must be balanced before it can be extended. There mustn't be any loose parts on the jib.

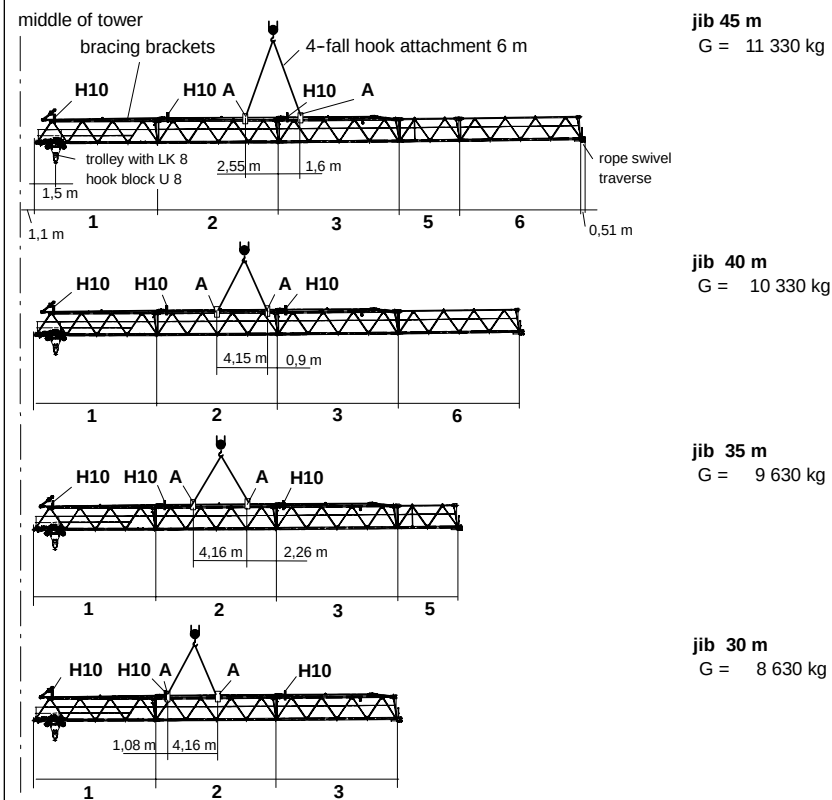
The parts of the jib are labeled with a building part identification at the top chord.

Lengths:	jib part	1/2/3/6	= 10,0 m
	jib part	5	= 5,0 m
	rope swivel traverse		= 0,51 m

More details about suspension **A** and support **H10** see section 2.6.2

Attention!

For assembly hang on snatch block with 2 sling ropes DIN 3088 (Ø 8 mm x 1 m with shackle) to the trolley, reeve in assembly rope (perlon rope Ø 14 mm x 12 m) and secure at the trolley.



2.6.1.3

Trolley jib - suspension plan jib 65 m to 50 m

operation 2/4 - falls

**Danger in case of disassembling!**

Release fixing bolts at the pivot point of the jib. Jib must be balanced before it can be extended. There mustn't be any loose parts on the jib.

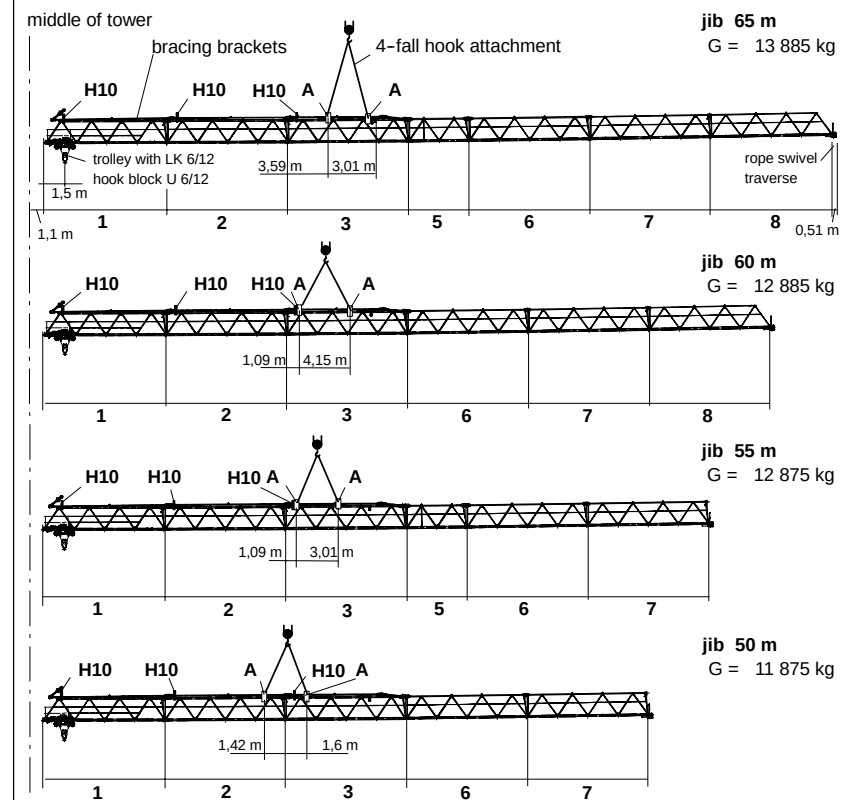
The parts of the jib are labeled with a building part identification at the top chord.

Lengths:	jib part	1/2/3/6/7/8	= 10,0 m
	jib part	5	= 5,0 m
	rope swivel traverse		= 0,51 m

More details about suspension **A** and support **H10** see section 2.6.2

Attention!

For assembly hang on snatch block with 2 sling ropes DIN 3088 (Ø 8 mm x 1 m with shackle) to the trolley, reeve in assembly rope (perlon rope Ø 14 mm x 12 m) and secure at the trolley.



2.6.1.4

Trolley jib - suspension plan jib 45 m bis 30 m

operation 2/4 - falls

**Danger in case of disassembling!**

Release fixing bolts at the pivot point of the jib. Jib must be balanced before it can be extended. There mustn't be any loose parts on the jib.

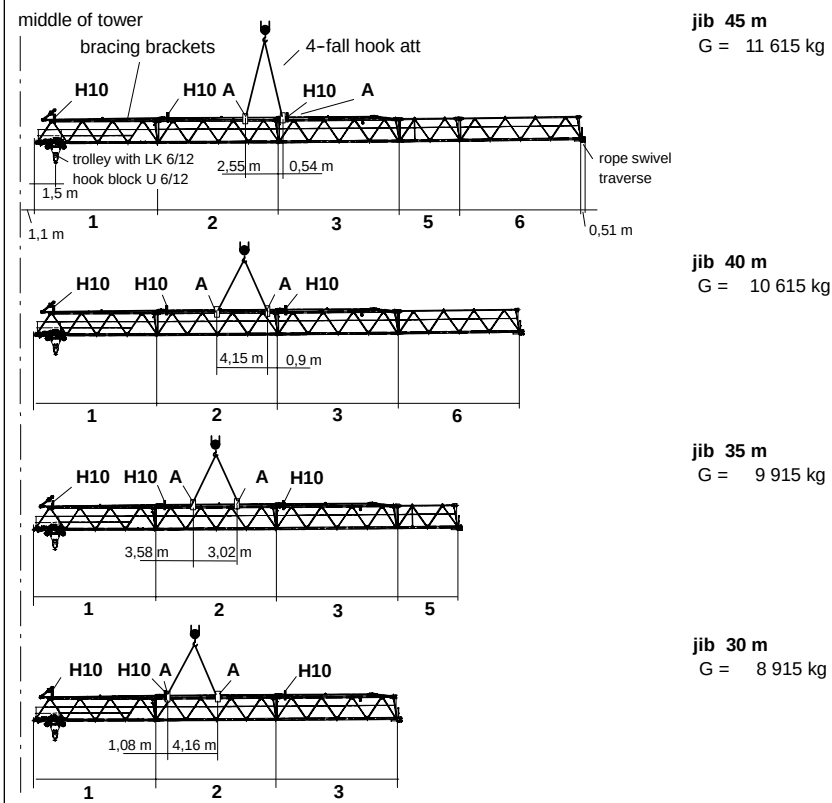
The parts of the jib are labeled with a building part identification at the top chord.

Lengths:	jib part	1/2/3/6	= 10,0 m
	jib part	5	= 5,0 m
	rope swivel traverse		= 0,51 m

More details about suspension **A** and support **H10** see section 2.6.2

Attention!

For assembly hang on snatch block with 2 sling ropes DIN 3088 (Ø 8 mm x 1 m with shackle) to the trolley, reeve in assembly rope (perlon rope Ø 14 mm x 12 m) and secure at the trolley.



2.7.1.1

Hoisting rope

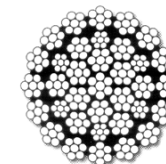
for hoisting winch - Hw 645 FU / Hw 675 FU

Rope Ø = 16 mm + 4%
+ 2%

design according to DIN 15 020
kind of operation TWG 1 Am

First equipment

CASAR STARLIFT -
non twisting
flexible hoisting rope
with compressed
rope core



nominal strength = 1770 N/mm²
calc. breaking strength = 234,1 kN
min. breaking strength = 178,1 kN
weight per meter = 1,191 kg

Design

langs lay rope, right handed,
made from cable wire.

middle space factor = 0,654
middle spinning loss factor = 0,76
middle weight factor = 0,90
total twist number = 245

Number of carryig wires in the outer strands
is to be judged by the state of wear according to
DIN 15020 Bl. 2 / ISO DIS 4309 = **112**

Basic equipment

rope length	200 m	for crane with:	cable radius	2 fall
			hook path	65 m
				42 m

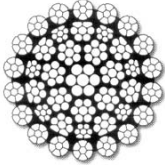
By lengthening the hook path by 1 tower element (4,5 m) the necessary rope length increases by **9 m for operation in 2 falls.**

Attention!

A wire rope is a complex machine element.

Conventional rope design frequently doesn't meet the requirements of modern rope drives. Short service life is the result.

2.7.1.2 Hoisting rope for hoisting winch - Hw 845 FU

Rope Ø = 16 mm	+ 4% + 2%	design according to DIN 15 020 kind of operation TWG 1 Am	
First equipment		CASAR EUROLIFT - non twisting flexible hoisting rope with compressed outer strands and compressed rope core with special packing material grip nominal strength = 1770 N/mm ² calc. breaking strength = 257,7 kN min. breaking strength = 209,4 kN weight per meter = 1,267 kg	
Design		langs-lay rope, right handed, made from blank cable wire. middle space factor = 0,720 middle spinning loss factor = 0,82 middle weight factor = 0,87 total twist number = 280 Number of carryig wires in the outer strands is to be judged by the state of wear according to DIN 15020 Bl. 2 / ISO DIS 4309 = 126	

Basic equipment

rope length 200 m	for crane with:	cable	2 fall
		radius	65 m
		hook path	42 m

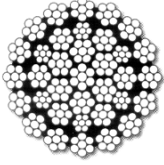
By lengthening the hook path by 1 tower element (4,5 m) the necessary rope length increases by **9 m for operation in 2 falls**.

!

Attention!
A wire rope is a complex machine element.

Conventional rope design frequently doesn't meet the requirements of modern rope drives, Short service life is the result.

2.7.1.3 Hoisting rope for hoisting winch - Hw 645 FU / Hw 675 FU

Rope Ø = 16 mm	+ 4% + 2%	design according to DIN 15 020 kind of operation TWG 1 Am	
First equipment		CASAR STARLIFT - non twisting flexible hoisting rope with compressed rope core nominal strength = 1770 N/mm ² calc. breaking strength = 234,1 kN min. breaking strength = 178,1 kN weight per meter = 1,191 kg	
Design		langs-lay rope, right handed, made from cable wire. middle space factor = 0,654 middle spinning loss factor = 0,76 middle weight factor = 0,90 total twist number = 245 Number of carryig wires in the outer strands is to be judged by the state of wear according to DIN 15020 Bl. 2 / ISO DIS 4309 = 112	

Basic equipment

rope length 280 m	for crane with:	cable	4 fall
		radius	65 m
		hook path	42 m

By lengthening the hook path by 1 tower element (4,5 m) the necessary rope length increases by **9 m for operation in 2 falls** and **18,0 m for operation in 4 falls**.

!

Attention!
A wire rope is a complex machine element.

Conventional rope design frequently doesn't meet the requirements of modern rope drives. Short service life is the result.

2.7.2

Traversing rope

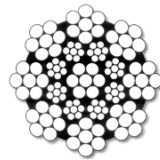
rope $\varnothing$ = 8 mm

+ 4%
+ 2%

design according to DIN 15 020
kind of operation TWG 1 Am

First equipment

CASAR UNILIFT -
cable with 8 strands
in non-overlapped double
parallel construction
made out of uncompressed strands.



nominal strength = 1770 N/mm²
calc. breaking strength = 57,4 kN
min. breaking strength = 49,9 kN
weight per meter = 0,282 kg

Design

ordinary-lay rope, right handed,
surface of wires zinc coated.

middle space factor = 0,643
middle spinning loss factor = 0,90
middle weight factor = 0,87
total twist number = 119

Number of carrying wires in the outer strands
is to be judged by the state of wear according to
DIN 15020 Bl. 2 / ISO DIS 4309 = 56

Basic equipment

rope lengths	1 x 87 m	for crane with:	radius	65 m
	1 x 147 m			



Attention!
A wire rope is a complex machine element.

Conventional rope design frequently doesn't meet the requirements of modern rope drives. Short service life is the result.

Longer tests on our rope drives lead us to the choice of this rope.

2.8.1

Insertable exterior climbing gear KWH 20.3

**Attention!**

The erection of the climbing gear with the tower crane WOLFF 6531 is possible with operation in 2 falls.

Details about climbing gear KWH 20.3 see additional equipment, section 12.

Min. height with stationary erection:

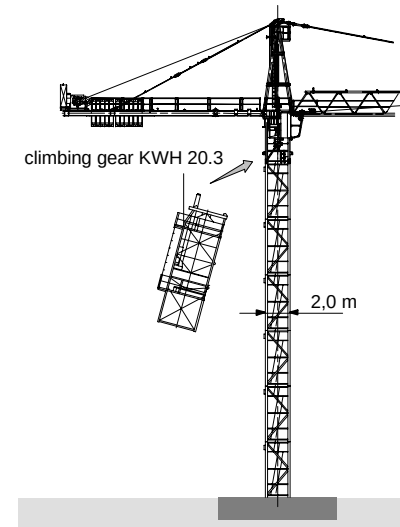
3 tower elements = 13,5 m tower height

Min. height with travelling erection:

2 tower elements + undercarriage
ca. 13,5 m tower height

2.8.1.1

Table of balancing weights



6531.6 6531.8 balancing weight	jib							
	30 m	35 m	40 m	45 m	50 m	55 m	60 m	65 m
UV 20 = 1,95 t *	--	--	--	39,1 m **	33,8 m	37,4 m	34,2 m	26,4 m
TV 20 = 3,05 t	--	29,8 m	28,6 m	26,2 m	22,5 m	25,0 m	22,8 m	17,2 m
load = 5,00 t	20,5 m	19,3 m	18,5 m	--	--	--	--	--

6531.12 balancing weight	jib							
	30 m	35 m	40 m	45 m	50 m	55 m	60 m	65 m
UV 20 = 1,95 t *	--	--	36,4 m **	33,6 m	29,0 m	32,1 m	29,4 m	22,6 m
TV 20 = 3,05 t	28,3 m	26,7 m	25,5 m	23,4 m	20,1 m	22,4 m	20,3 m	15,3 m
weight = 5,00 t	19,0 m	17,9 m	--	--	--	--	--	--

* The balancing weights indicated are gross weights of the tower elements or load.

** The indicated radius refers to the centre of the tower and shall be treated as standard value. Exact balancing will be achieved by travelling of trolley with tower element or load and may be checked by travelling apart free of mismatch at the joints of the tower.

-- balancing not possible

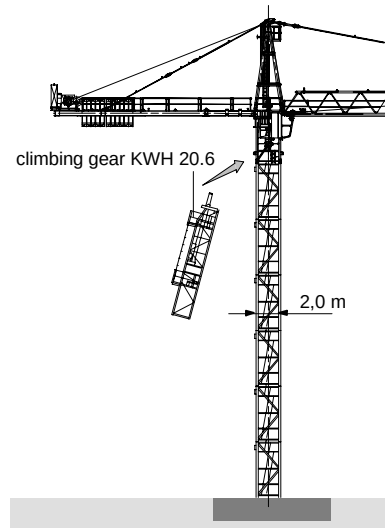
**Danger!**

The climbing gear is an auxiliary device for erection and mustn't stay at the tower crane WOLFF under normal working conditions.

WOLFF 6531.12**Crane data****2 / 91****2.8.3 Insertable exterior climbing gear KWH 20.6****Attention!**

The erection of the climbing gear with the tower crane WOLFF 6531.12 is possible with operation in 4 falls.

Details about climbing gear KWH 20.6 see additional equipment, section 12.


Min. height with stationary erection:
2 tower elements = 9,0 m tower height
Min. height with travelling erection:
**2 tower elements + undercarriage
ca. 13,5 m tower height**
2.8.3.1 Table of balancing weights

6531.12 balancing weight	jib							
	30 m	35 m	40 m	45 m	50 m	55 m	60 m	65 m
UV 20 = 1,95 t *	--	--	35,7 m **	32,8 m	28,2 m	31,4 m	28,6 m	21,9 m
TV 20 = 3,05 t	27,8 m	26,1 m	25,0 m	22,9 m	19,5 m	21,8 m	19,8 m	14,8 m
weight = 5,00 t	18,6 m	17,5 m	--	--	--	--	--	--

* The balancing weights indicated are gross weights of the tower elements or load.

** The indicated radius refers to the centre of the tower and shall be treated as standard value. Exact balancing will be achieved by travelling of trolley with tower element or load and may be checked by travelling apart free of mismatch at the joints of the tower.

-- balancing not possible

**Danger!**

The climbing gear is an auxiliary device for erection and mustn't stay at the tower crane WOLFF under normal working conditions.

962-4-027081E

WOLFF 6531.6**Crane data****2 / 95****2.8.5.1 Insertable internal climbing gear KSH 20 H**

For use of the WOLFF 6531.6 in connection with internal climbing gear KSH 20 H, the tower combination has to be observed as shown here.

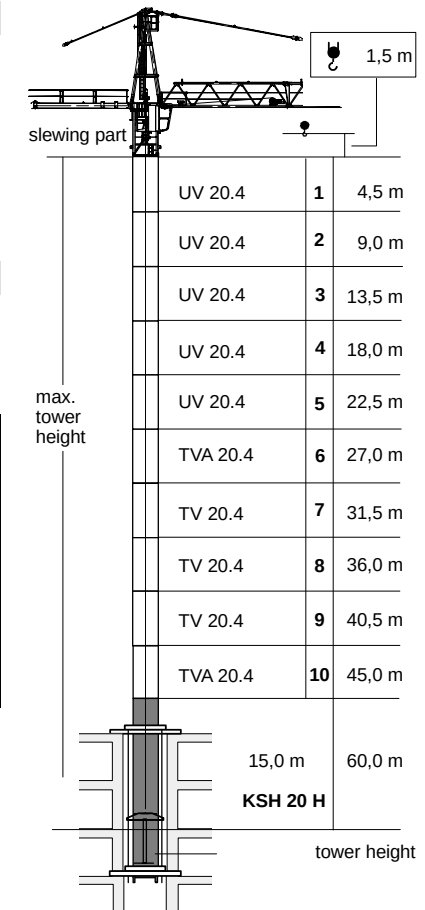
Details about climbing drive KSH 20 H see additional equipment, section 12.

2.8.5.2 Table of balancing weights

* The balancing weights indicated are gross weights of the tower elements or load.

** The indicated radius refers to the centre of the tower and shall be treated as standard value. Exact balancing must be achieved by travelling of trolley with tower element or load and can be checked by measuring the distance between corner posts and tensioning brackets. This distance shall be equal at all four corner posts.

-- balancing not possible



6531.6 balancing weight *	jib							
	30 m	35 m	40 m	45 m	50 m	55 m	60 m	65 m
TV 20 = 3,05 t	--	--	--	--	46,1 m **	50,7 m	48,5 m	44,1 m
weight = 5,00 t	--	--	33,6 m	32,9 m	--	--	--	--
weight = 8,00 t	22,5 m	22,2 m	22,1 m	21,6 m	--	--	--	--

962-4-026192E

2.8.5.3 Insertable internal climbing gear KSH 20 H

For use of the WOLFF 6531.12 in connection with internal climbing gear KSH 20 H, the tower combination has to be observed as shown here.

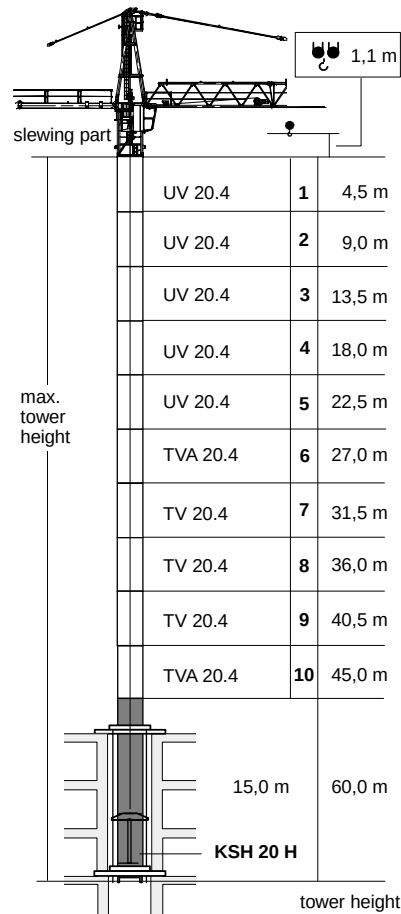
Details about climbing drive KSH 20 H see additional equipment, section 12.

2.8.5.4 Table of balancing weights

* The balancing weights indicated are gross weights of the tower elements or load.

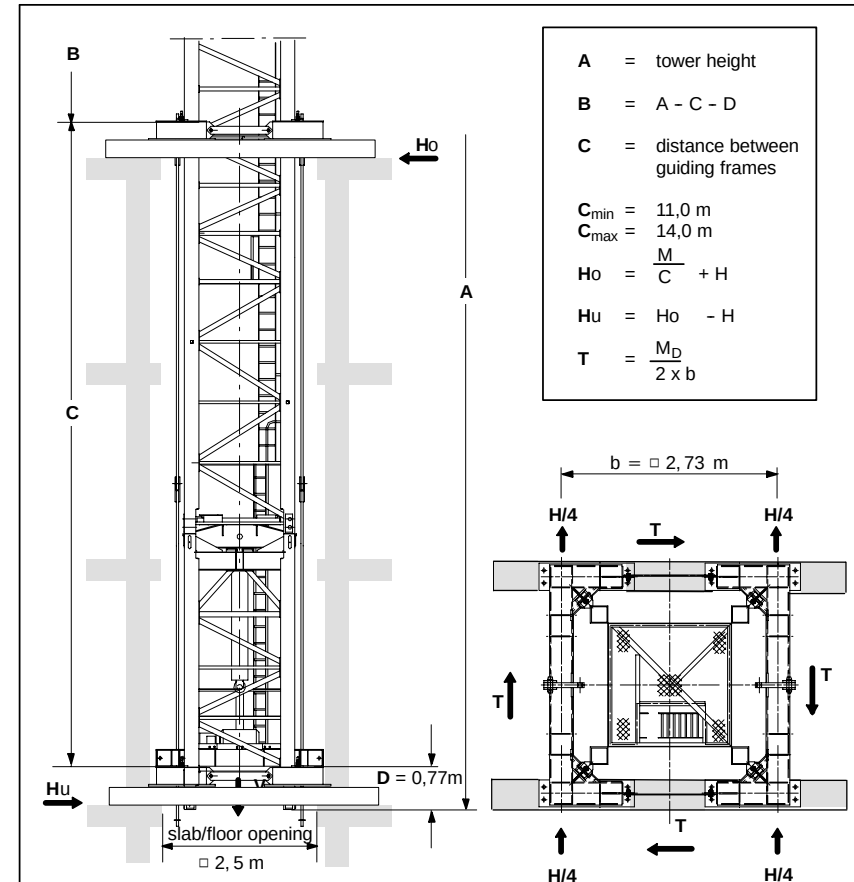
** The indicated radius refers to the centre of the tower and shall be treated as standard value. Exact balancing must be achieved by travelling of trolley with tower element or load and can be checked by measuring the distance between corner posts and tensioning brackets. This distance shall be equal at all four corner posts.

-- balancing not possible



6531.12 balancing weight *	jib							
	30 m	35 m	40 m	45 m	50 m	55 m	60 m	65 m
TV 20 = 3,05 t	--	--	--	--	41,4**	45,5	43,5	39,6
weight = 5,00 t	--	31,4 m	31,3 m	30,6 m	--	--	--	--
weight = 8,00 t	21,4 m	21,1 m	21,0 m	20,6 m	--	--	--	--

2.8.5.5 Reacting forces to building for hydraulic internal climbing gear KSH 20 H

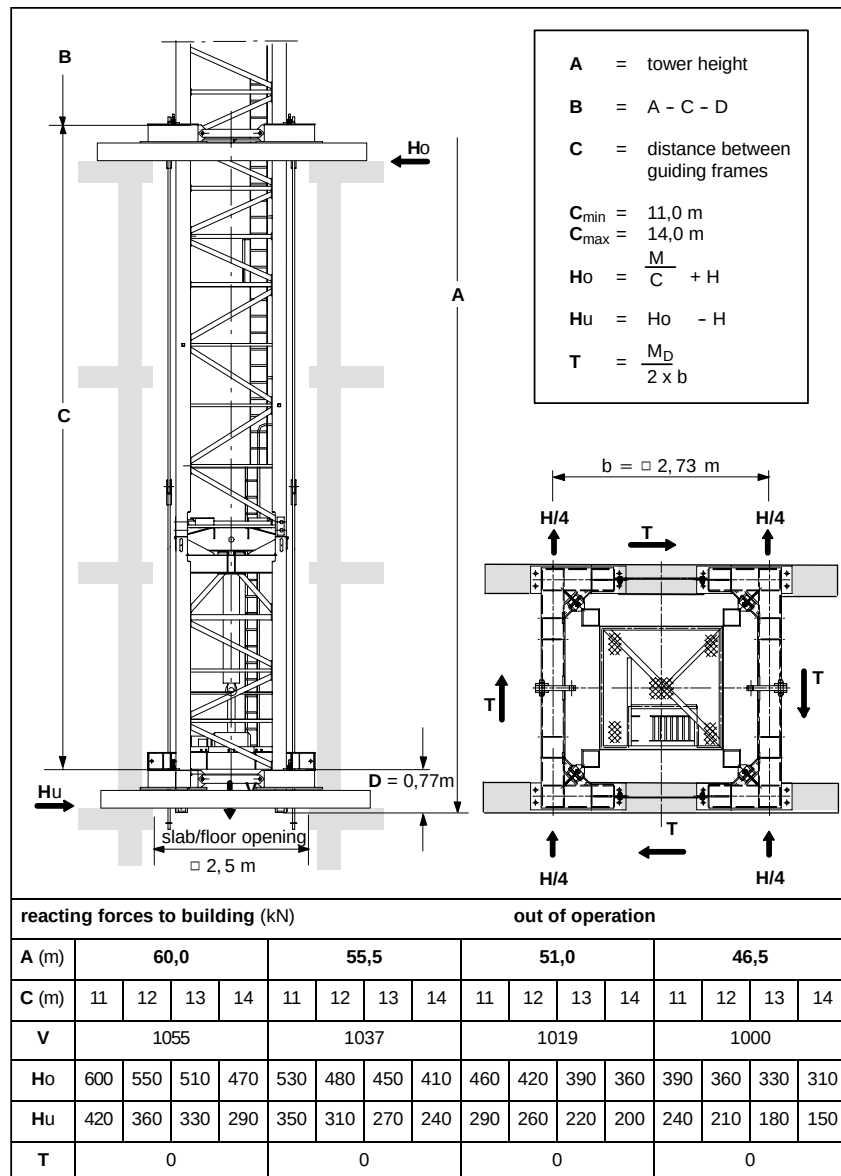


reacting forces to building (kN)									in operation							
A (m)	60,0				55,5				51				46,5			
C (m)	11	12	13	14	11	12	13	14	11	12	13	14	11	12	13	14
V	1187				1169				1151				1133			
Ho	390	360	330	310	370	340	310	290	340	320	290	270	320	290	270	250
Hu	350	320	290	270	320	290	270	240	300	270	250	230	280	250	230	210
T	60				60				60				60			

2.8.5.6

Reacting forces to building

for hydraulic internal climbing gear KSH 20 H



962-4-026194E

3.1.1

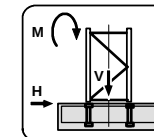
Foundation loads according to DIN

Inclusive all dynamic factors, theory order II taken into account for stationary tower crane on a concrete foundation according to tower configuration without climbing device
 Permanent acting moment = **1600 kNm**

M = moment **H** = horizontal force **V** = vertical load

Attention!

For the **WOLFF 6531.6** and **WOLFF 6531.8** only the column for the hook height is valid.



Foundation loads

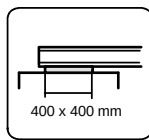
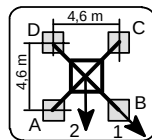
Jib length 30 - 65 m

height under hook		Crane in service torque moment 320 kNm			Crane out of service			Assembly		
		M	H	V	M	H	V	M	H	V
[m]	[m]	[kNm]	[kN]	[kN]	[kNm]	[kN]	[kN]	[kNm]	[kN]	[kN]
10,1	10,5	2100	25	735	381	42	715	2740	15	389
14,6	15,0	2230	26	752	170	47	734	2820	16	406
19,1	19,5	2370	28	771	390	65	752	2910	17	425
23,6	24,0	2530	29	790	750	72	770	3010	19	442
28,1	28,5	2710	31	807	1150	78	788	3120	20	461
32,6	33,0	2900	32	826	1600	85	806	3250	22	479
37,1	37,5	3120	34	844	2090	91	825	3390	23	497
41,6	42,0	3360	35	862	2630	98	833	3550	25	525
46,1	46,5	3640	37	880	3230	105	850	3730	26	543
50,6	51,0	3850	39	919	3810	113	889	3880	28	573
55,1	55,5	4130	41	947	4500	121	917	4070	31	601
59,6	60,0	4450	43	976	5260	129	945	4280	32	629
64,1	64,5	4790	45	1003	6100	138	974	4500	34	657
68,6	69,0	5050	48	1054	6940	150	1024	4700	37	707
73,1	73,5	5390	50	1085	7870	159	1056	4940	40	739
77,6	78,0	5670	53	1130	8780	170	1100	5140	42	783
82,1	82,5	6050	55	1165	9860	180	1136	5410	45	819
Attention! Tower configuration with basis tower BT 29										
84,3	84,7	6070	56	1240	10150	185	1210	5470	46	893
88,8	89,2	6450	59	1286	11290	196	1256	5750	49	939
93,3	93,7	6860	62	1332	12560	209	1303	6050	52	986
97,8	98,2	7300	68	1378	15030	229	1348	6370	54	1032

962-4-026331E

3.2.1.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 10 - 46/60

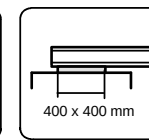
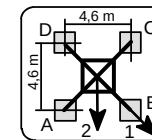
Corner distance 4,6 m x 4,6 m

Jib length 30 m

height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	80	1	341	685	341	0	29	1	342	509	342	175	50
			2	584	584	99	99		2	460	460	224	224	
15,8	16,2	80	1	334	718	334	0	31	1	288	522	288	54	55
			2	601	601	92	92		2	453	453	122	122	
20,3	20,7	80	1	325	755	324	0	32	1	292	538	292	47	71
			2	618	618	84	84		2	466	466	119	119	
24,8	25,2	80	1	313	796	313	0	34	1	297	556	297	38	78
			2	637	637	74	74		2	480	480	114	114	
29,3	29,7	80	1	300	841	300	0	35	1	301	575	301	28	84
			2	658	658	62	62		2	495	495	108	108	
33,8	34,2	95	1	359	891	359	0	37	1	344	633	343	54	91
			2	717	717	87	87		2	548	548	139	139	
38,3	38,7	110	1	416	946	416	0	38	1	386	692	385	79	98
			2	779	779	110	110		2	602	602	169	169	
42,8	43,2	130	1	495	1006	494	0	40	1	440	766	440	114	104
			2	855	855	202	202		2	679	679	319	319	
47,3	47,7	145	1	541	1078	541	4	41	1	541	876	541	205	111
			2	923	923	218	218		2	778	778	303	303	
51,8	52,2	165	1	600	1166	600	35	44	1	600	1021	600	180	119
			2	1005	1005	255	255		2	898	898	303	303	
56,3	56,7	185	1	658	1258	657	57	46	1	658	1173	657	142	127
			2	1090	1090	285	285		2	1022	1022	293	293	
60,8	61,2	210	1	757	1370	757	144	48	1	727	1346	727	108	135
			2	1190	1190	324	324		2	1165	1165	289	289	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.1.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 10 - 46/60

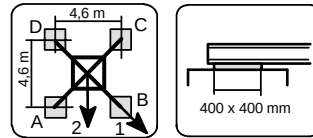
Corner distance 4,6 m x 4,6 m

Jib length 35 m

height under hook  		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force	jib position	crane out of service torque moment: 0 kNm				horizontal force
[m]	[m]	[t]		corner loads						corner loads				
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	80	1	351	691	351	11	30	1	283	508	283	59	50
			2	591	591	111	111		2	459	459	243	243	
15,8	16,2	80	1	355	712	355	0	31	1	288	523	288	53	55
			2	608	608	103	103		2	454	454	122	122	
20,3	20,7	80	1	346	750	346	0	33	1	292	539	292	46	72
			2	625	625	95	95		2	467	467	118	118	
24,8	25,2	80	1	334	791	334	0	34	1	297	557	297	37	79
			2	645	645	85	85		2	481	481	113	113	
29,3	29,7	80	1	320	837	320	0	36	1	301	576	301	27	85
			2	666	666	73	73		2	495	495	107	107	
33,8	34,2	90	1	354	888	354	0	37	1	331	621	331	41	92
			2	713	713	84	84		2	536	536	126	126	
38,3	38,7	105	1	410	945	410	0	39	1	373	681	373	65	99
			2	775	775	107	107		2	591	591	155	155	
42,8	43,2	125	1	488	1007	488	0	40	1	495	771	495	219	105
			2	852	852	139	139		2	691	691	300	300	
47,3	47,7	145	1	550	1088	550	12	41	1	550	909	550	191	112
			2	933	933	227	227		2	804	804	296	296	
51,8	52,2	160	1	597	1164	597	30	44	1	597	1042	597	152	120
			2	1002	1002	252	252		2	912	912	282	282	
56,3	56,7	180	1	654	1257	654	51	46	1	654	1196	654	112	128
			2	1088	1088	280	280		2	1037	1037	271	271	
60,8	61,2	205	1	754	1369	754	138	48	1	724	1371	724	76	136
			2	1189	1189	319	319		2	1181	1181	266	266	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.1.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

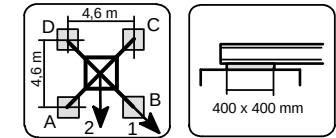


KR 10 - 46/60 Corner distance 4,6 m x 4,6 m Jib length 40 m

height under hook  [m]		center ballast  [m]	center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
					corner loads						corner loads				
					A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	75	1	347	686	347	8	30	1	271	495	271	46	51	
			2	587	587	107	107		2	447	447	247	247		
15,8	16,2	75	1	348	712	348	0	31	1	275	511	275	40	56	
			2	603	603	100	100		2	442	442	109	109		
20,3	20,7	75	1	338	749	338	0	33	1	280	527	280	33	73	
			2	621	621	91	91		2	455	455	105	105		
24,8	25,2	75	1	326	792	326	0	34	1	284	545	284	24	79	
			2	641	641	81	81		2	468	468	100	100		
29,3	29,7	75	1	312	839	311	0	36	1	289	564	289	14	86	
			2	662	662	69	69		2	483	483	94	94		
33,8	34,2	85	1	345	891	344	0	37	1	319	610	318	27	93	
			2	710	710	80	80		2	524	524	113	113		
38,3	38,7	100	1	400	948	400	0	39	1	361	669	360	52	99	
			2	772	772	162	162		2	589	589	284	284		
42,8	43,2	120	1	477	1012	477	0	40	1	491	784	491	199	106	
			2	852	852	191	191		2	698	698	285	285		
47,3	47,7	140	1	546	1087	546	4	42	1	546	923	546	169	112	
			2	934	934	218	218		2	812	812	280	280		
51,8	52,2	155	1	593	1164	593	22	44	1	593	1056	593	130	121	
			2	1004	1004	242	242		2	921	921	265	265		
56,3	56,7	180	1	693	1272	692	113	46	1	663	1224	662	101	129	
			2	1103	1103	283	283		2	1060	1060	265	265		
60,8	61,2	200	1	750	1375	750	124	48	1	720	1389	720	51	137	
			2	1192	1192	308	308		2	1193	1193	247	247		
Attention!															
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.															

3.2.1.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

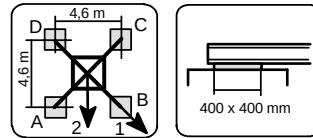


KR 10 - 46/60 Corner distance 4,6 m x 4,6 m Jib length 45 m

height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads				corner loads										
A [kN]	B [kN]			C [kN]	D [kN]	A [kN]	B [kN]			C [kN]	D [kN]			
11,3	11,7	70	1	344	676	344	11	30	1	285	512	285	58	52
			2	579	579	108	108		2	445	445	124	124	
15,8	16,2	70	1	347	699	347	0	31	1	289	527	289	51	56
			2	596	596	101	101		2	458	458	121	121	
20,3	20,7	70	1	337	738	337	0	33	1	294	544	294	43	74
			2	614	614	92	92		2	471	471	117	117	
24,8	25,2	70	1	325	781	325	0	34	1	298	563	298	34	80
			2	634	634	81	81		2	485	485	111	111	
29,3	29,7	70	1	310	828	310	0	36	1	303	583	303	23	87
			2	655	655	69	69		2	501	501	105	105	
33,8	34,2	75	1	318	881	317	0	37	1	320	617	320	23	94
			2	691	691	127	127		2	530	530	110	110	
38,3	38,7	95	1	397	940	397	0	39	1	375	691	374	58	100
			2	768	768	159	159		2	603	603	264	264	
42,8	43,2	110	1	449	1005	449	0	40	1	476	794	476	157	107
			2	836	836	175	175		2	701	701	251	251	
47,3	47,7	135	1	543	1082	543	3	42	1	543	947	543	138	113
			2	932	932	214	214		2	828	828	257	257	
51,8	52,2	150	1	620	1160	620	79	44	1	590	1082	590	98	122
			2	1002	1002	238	238		2	938	938	242	242	
56,3	56,7	175	1	689	1272	689	107	46	1	659	1252	659	67	130
			2	1101	1101	277	277		2	1078	1078	240	240	
60,8	61,2	200	1	759	1388	759	130	48	1	729	1431	729	27	138
			2	1204	1204	314	314		2	1225	1225	232	232	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.1.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

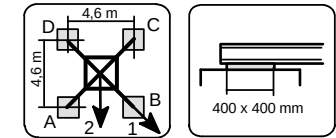


KR 10 - 46/60 Corner distance 4,6 m x 4,6 m Jib length 50 m

height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	65	1	332	643	332	21	30	1	273	527	273	19	52
			2	554	554	170	170		2	453	453	93	93	
15,8	16,2	65	1	337	665	336	8	32	1	278	543	277	12	57
			2	573	573	160	160		2	465	465	90	90	
20,3	20,7	65	1	335	695	335	0	33	1	282	560	282	4	74
			2	593	593	149	149		2	478	478	86	86	
24,8	25,2	65	1	323	737	323	0	34	1	282	583	282	0	81
			2	614	614	137	137		2	493	493	80	80	
29,3	29,7	65	1	308	784	308	0	36	1	275	615	275	0	88
			2	637	637	123	123		2	509	509	73	73	
33,8	34,2	70	1	316	837	316	0	37	1	291	650	291	0	94
			2	675	675	119	119		2	538	538	78	78	
38,3	38,7	85	1	371	895	371	0	39	1	350	695	350	5	101
			2	740	740	138	138		2	605	605	213	213	
42,8	43,2	105	1	448	959	448	0	40	1	464	821	464	107	107
			2	820	820	167	167		2	716	716	211	211	
47,3	47,7	125	1	548	1050	548	46	42	1	518	963	518	74	114
			2	903	903	193	193		2	833	833	204	204	
51,8	52,2	140	1	596	1130	595	60	44	1	566	1099	565	32	122
			2	974	974	217	217		2	943	943	188	188	
56,3	56,7	165	1	665	1242	665	88	46	1	635	1270	635	0	131
			2	1073	1073	257	257		2	1084	1084	186	186	
60,8	61,2	190	1	735	1358	734	111	48	1	663	1492	663	0	139
			2	1176	1176	294	294		2	1232	1232	177	177	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.1.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

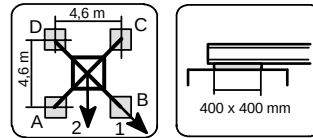


KR 10 - 46/60 Corner distance 4,6 m x 4,6 m Jib length 55 m

height under hook		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force	jib position	crane out of service torque moment: 0 kNm				horizontal force
				A	B	C	D			A	B	C	D	
[m]	[m]													
11,3	11,7	60	1	332	678	332	0	30	1	198	657	197	0	53
			2	575	575	96	96		2	495	495	30	30	
15,8	16,2	60	1	324	713	323	0	32	1	195	680	195	0	58
			2	592	592	88	88		2	508	508	27	27	
20,3	20,7	60	1	313	753	312	0	33	1	191	707	191	0	75
			2	611	611	78	78		2	522	522	22	22	
24,8	25,2	65	1	324	798	324	0	35	1	210	737	210	0	82
			2	644	644	79	79		2	550	550	28	28	
29,3	29,7	70	1	334	848	333	0	36	1	227	770	227	0	89
			2	678	678	79	79		2	579	579	34	34	
33,8	34,2	70	1	315	903	315	0	38	1	218	808	218	0	95
			2	703	703	64	64		2	596	596	25	25	
38,3	38,7	85	1	368	965	368	0	39	1	281	849	281	0	102
			2	767	767	84	84		2	653	653	52	52	
42,8	43,2	105	1	443	1034	443	0	41	1	367	895	367	0	108
			2	845	845	114	114		2	725	725	234	234	
47,3	47,7	130	1	538	1111	538	0	42	1	547	983	547	110	115
			2	940	940	154	154		2	855	855	238	238	
51,8	52,2	145	1	594	1181	594	7	44	1	594	1120	594	67	124
			2	1009	1009	179	179		2	966	966	222	222	
56,3	56,7	170	1	664	1290	663	37	46	1	664	1294	663	33	132
			2	1107	1107	220	220		2	1109	1109	218	218	
60,8	61,2	195	1	733	1404	733	62	48	1	723	1487	723	0	140
			2	1208	1208	258	258		2	1259	1259	207	207	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.1.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

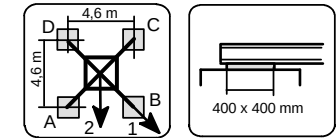


KR 10 - 46/60 Corner distance 4,6 m x 4,6 m Jib length 60 m

height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	65	1	348	674	348	22	30	1	209	684	209	0	53
			2	579	579	117	117		2	517	517	33	33	
15,8	16,2	65	1	353	696	352	9	32	1	207	707	206	0	58
			2	596	596	109	109		2	530	530	30	30	
20,3	20,7	65	1	351	727	351	0	33	1	202	734	202	0	76
			2	614	614	100	100		2	544	544	25	25	
24,8	25,2	70	1	363	771	363	0	35	1	221	764	221	0	83
			2	647	647	101	101		2	572	572	31	31	
29,3	29,7	70	1	347	821	347	0	36	1	213	798	213	0	89
			2	669	669	88	88		2	589	589	24	24	
33,8	34,2	75	1	354	876	353	0	38	1	228	836	228	0	96
			2	706	706	86	86		2	619	619	27	27	
38,3	38,7	80	1	357	937	357	0	39	1	242	878	241	0	102
			2	744	744	81	81		2	651	651	29	29	
42,8	43,2	100	1	432	1006	432	0	41	1	327	925	327	0	109
			2	823	823	111	111		2	733	733	201	201	
47,3	47,7	120	1	503	1082	503	0	42	1	522	988	522	55	116
			2	905	905	139	139		2	852	852	192	192	
51,8	52,2	140	1	582	1153	581	9	45	1	581	1139	581	24	124
			2	986	986	177	177		2	975	975	187	187	
56,3	56,7	165	1	651	1263	651	39	47	1	640	1324	640	0	132
			2	1084	1084	218	218		2	1119	1119	183	183	
60,8	61,2	190	1	721	1376	720	65	48	1	665	1553	664	0	140
			2	1184	1184	257	257		2	1270	1270	171	171	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.1.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

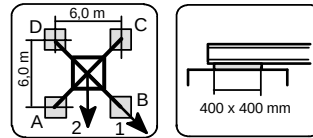


KR 10 - 46/60 Corner distance 4,6 m x 4,6 m Jib length 65 m

height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads				corner loads										
A [kN]	B [kN]			C [kN]	D [kN]	A [kN]	B [kN]			C [kN]	D [kN]			
[m]	[m]													
11,3	11,7	85	1	407	708	407	106	30	1	232	848	232	0	54
			2	620	620	194	194		2	628	628	28	28	
15,8	16,2	90	1	424	743	424	106	32	1	254	873	253	0	59
			2	649	649	199	199		2	654	654	36	36	
20,3	20,7	90	1	429	767	429	90	33	1	249	901	248	0	77
			2	668	668	189	189		2	668	668	31	31	
24,8	25,2	95	1	446	806	446	85	35	1	267	933	267	0	84
			2	701	701	191	191		2	697	697	36	36	
29,3	29,7	95	1	450	836	450	65	36	1	258	969	258	0	90
			2	723	723	178	178		2	714	714	28	28	
33,8	34,2	100	1	467	880	467	54	38	1	272	1009	272	0	97
			2	759	759	175	175		2	745	745	31	31	
38,3	38,7	105	1	484	928	484	41	39	1	284	1054	283	0	103
			2	798	798	171	171		2	778	778	32	32	
42,8	43,2	110	1	502	979	501	24	41	1	293	1104	292	0	110
			2	840	840	223	223		2	813	813	32	32	
47,3	47,7	120	1	531	1047	531	15	42	1	324	1159	324	0	117
			2	899	899	223	223		2	896	896	166	166	
51,8	52,2	130	1	566	1113	565	18	45	1	523	1218	522	0	125
			2	958	958	234	234		2	996	996	135	135	
56,3	56,7	155	1	635	1222	635	48	47	1	554	1433	554	0	133
			2	1058	1058	272	272		2	1142	1142	128	128	
60,8	61,2	195	1	772	1377	772	168	49	1	650	1670	650	0	141
			2	1200	1200	345	345		2	1333	1333	152	152	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.2.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

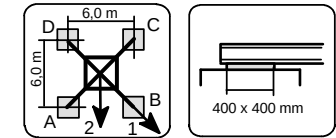


KR 10 - 46/60 Corner distance 6,0 m x 6,0 m Jib length 30 m

height under hook  [m]		center ballast  [m]	center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
					corner loads						corner loads				
					A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	45	1	251	525	251	0	29	1	257	385	257	129	50	
			2	443	443	71	71		2	347	347	166	166		
15,8	16,2	45	1	248	551	248	0	31	1	203	382	203	23	55	
			2	456	456	67	67		2	336	336	187	187		
20,3	20,7	45	1	243	579	243	0	32	1	207	396	207	19	71	
			2	471	471	61	61		2	341	341	74	74		
24,8	25,2	45	1	236	610	236	0	34	1	212	410	212	14	78	
			2	487	487	114	114		2	352	352	72	72		
29,3	29,7	45	1	228	645	228	0	35	1	216	426	216	7	84	
			2	505	505	105	105		2	364	364	68	68		
33,8	34,2	55	1	268	683	268	0	37	1	246	468	246	24	91	
			2	550	550	119	119		2	403	403	89	89		
38,3	38,7	70	1	331	725	331	0	38	1	288	523	288	53	98	
			2	608	608	145	145		2	454	454	122	122		
42,8	43,2	80	1	367	771	367	0	40	1	376	571	376	181	104	
			2	656	656	156	156		2	514	514	238	238		
47,3	47,7	95	1	448	831	448	66	41	1	418	676	418	161	111	
			2	719	719	178	178		2	600	600	236	236		
51,8	52,2	110	1	495	902	495	89	44	1	465	788	465	143	119	
			2	783	783	208	208		2	693	693	237	237		
56,3	56,7	125	1	540	976	540	103	46	1	510	905	510	115	127	
			2	849	849	231	231		2	789	789	230	230		
60,8	61,2	140	1	584	1054	584	115	48	1	554	1029	554	80	135	
			2	917	917	252	252		2	890	890	219	219		
Attention!															
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.															

3.2.2.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

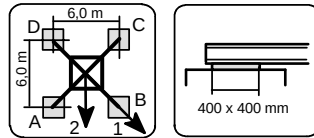


KR 10 - 46/60 Corner distance 6,0 m x 6,0 m Jib length 35 m

height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
[m]	[m]													
11,3	11,7	40	1	247	520	247	0	30	1	254	371	254	136	50
			2	438	438	69	69		2	336	336	171	171	
15,8	16,2	40	1	243	546	243	0	31	1	190	370	190	10	55
			2	451	451	65	65		2	324	324	192	192	
20,3	20,7	40	1	238	575	238	0	33	1	195	384	195	6	72
			2	466	466	59	59		2	328	328	61	61	
24,8	25,2	40	1	231	607	231	0	34	1	199	398	199	0	79
			2	482	482	112	112		2	340	340	59	59	
29,3	29,7	40	1	223	642	223	0	36	1	198	420	198	0	85
			2	501	501	103	103		2	353	353	55	55	
33,8	34,2	50	1	262	681	262	0	37	1	233	456	233	11	92
			2	545	545	117	117		2	391	391	76	76	
38,3	38,7	65	1	325	724	325	0	39	1	276	512	276	39	99
			2	604	604	142	142		2	452	452	235	235	
42,8	43,2	75	1	360	772	360	0	40	1	373	585	373	161	105
			2	653	653	153	153		2	523	523	223	223	
47,3	47,7	90	1	445	827	445	62	41	1	415	690	415	140	112
			2	715	715	174	174		2	609	609	220	220	
51,8	52,2	105	1	492	899	492	85	44	1	462	803	462	121	120
			2	780	780	204	204		2	703	703	221	221	
56,3	56,7	120	1	537	974	537	99	46	1	507	922	507	91	128
			2	846	846	227	227		2	800	800	213	213	
60,8	61,2	135	1	581	1053	581	109	48	1	551	1047	551	55	136
			2	915	915	248	248		2	902	902	200	200	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.2.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 10 - 46/60

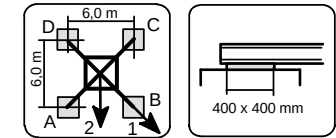
Corner distance 6,0 m x 6,0 m

Jib length 40 m

height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads		corner loads												
A [kN]	B [kN]	C [kN]	D [kN]	A [kN]	B [kN]	C [kN]	D [kN]							
11,3	11,7	40	1	262	522	262	2	30	1	262	371	262	153	51
			2	446	446	78	78		2	339	339	185	185	
15,8	16,2	40	1	261	545	261	0	31	1	190	371	190	10	56
			2	460	460	74	74		2	327	327	207	207	
20,3	20,7	40	1	255	574	255	0	33	1	195	384	195	5	73
			2	475	475	127	127		2	329	329	61	61	
24,8	25,2	40	1	248	607	248	0	34	1	199	399	199	0	79
			2	493	493	119	119		2	340	340	58	58	
29,3	29,7	40	1	239	643	239	0	36	1	198	421	198	0	86
			2	511	511	109	109		2	353	353	55	55	
33,8	34,2	45	1	254	683	254	0	37	1	219	446	219	0	93
			2	544	544	111	111		2	379	379	63	63	
38,3	38,7	60	1	316	727	316	0	39	1	339	505	339	174	99
			2	603	603	135	135		2	456	456	222	222	
42,8	43,2	70	1	350	775	350	0	40	1	369	593	369	145	106
			2	652	652	146	146		2	527	527	210	210	
47,3	47,7	90	1	453	841	453	65	42	1	423	712	423	135	112
			2	728	728	179	179		2	628	628	219	219	
51,8	52,2	100	1	488	901	488	75	44	1	458	813	458	103	121
			2	780	780	196	196		2	709	709	207	207	
56,3	56,7	115	1	533	977	533	88	46	1	503	933	503	72	129
			2	847	847	218	218		2	807	807	198	198	
60,8	61,2	135	1	590	1069	590	110	48	1	560	1072	560	47	137
			2	929	929	251	251		2	922	922	197	197	
Attention! For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.2.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 10 - 46/60

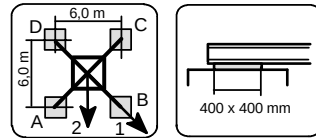
Corner distance 6,0 m x 6,0 m

Jib length 45 m

height under hook  [m]		center ballast  [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads				corner loads										
A	B	C	D	A	B	C	D							
[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]							
11,3	11,7	35	1	259	514	259	4	30	1	200	374	200	26	52
			2	439	439	138	138		2	326	326	191	191	
15,8	16,2	35	1	259	536	259	0	31	1	204	387	204	22	56
			2	454	454	132	132		2	333	333	75	75	
20,3	20,7	35	1	253	566	253	0	33	1	209	401	209	17	74
			2	471	471	125	125		2	345	345	73	73	
24,8	25,2	35	1	246	598	246	0	34	1	213	416	213	11	80
			2	488	488	117	117		2	357	357	70	70	
29,3	29,7	35	1	237	635	237	0	36	1	218	433	218	3	87
			2	507	507	107	107		2	370	370	66	66	
33,8	34,2	40	1	250	676	250	0	37	1	235	463	235	7	94
			2	540	540	108	108		2	396	396	74	74	
38,3	38,7	55	1	312	721	312	0	39	1	336	520	336	152	100
			2	600	600	132	132		2	466	466	206	206	
42,8	43,2	65	1	346	771	346	0	40	1	366	609	366	122	107
			2	649	649	142	142		2	538	538	193	193	
47,3	47,7	80	1	438	827	438	49	42	1	408	717	408	98	113
			2	713	713	163	163		2	627	627	189	189	
51,8	52,2	95	1	485	899	485	70	44	1	455	832	455	77	122
			2	778	778	192	192		2	722	722	188	188	
56,3	56,7	110	1	529	976	529	83	46	1	499	954	499	45	130
			2	845	845	214	214		2	820	820	178	178	
60,8	61,2	130	1	586	1069	586	104	48	1	556	1095	556	18	138
			2	927	927	245	245		2	937	937	176	176	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.2.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

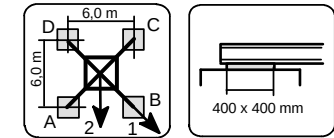


KR 10 - 46/60 Corner distance 6,0 m x 6,0 m Jib length 50 m

height under hook  [m]		center ballast  [m]	center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
					A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	30	1	247	486	247	8	30	1	182	389	182	0	52	
			2	424	424	129	129		2	326	326	50	50		
15,8	16,2	30	1	281	505	281	58	32	1	182	406	182	0	57	
			2	440	440	123	123		2	336	336	49	49		
20,3	20,7	30	1	246	532	246	0	33	1	182	425	182	0	74	
			2	456	456	116	116		2	348	348	46	46		
24,8	25,2	30	1	239	565	239	0	34	1	180	447	180	0	81	
			2	473	473	108	108		2	360	360	43	43		
29,3	29,7	30	1	230	601	230	0	36	1	177	472	177	0	88	
			2	492	492	98	98		2	373	373	39	39		
33,8	34,2	35	1	244	641	244	0	37	1	197	499	197	0	94	
			2	525	525	99	99		2	400	400	47	47		
38,3	38,7	45	1	281	686	281	0	39	1	241	528	241	0	101	
			2	572	572	111	111		2	462	462	161	161		
42,8	43,2	60	1	384	738	384	30	40	1	354	627	354	80	107	
			2	634	634	133	133		2	547	547	160	160		
47,3	47,7	75	1	426	811	426	41	42	1	396	737	396	55	114	
			2	698	698	154	154		2	637	637	155	155		
51,8	52,2	90	1	473	883	473	63	44	1	443	852	443	34	122	
			2	763	763	183	183		2	732	732	154	154		
56,3	56,7	105	1	517	960	517	75	46	1	487	974	487	1	131	
			2	830	830	205	205		2	832	832	143	143		
60,8	61,2	125	1	575	1053	575	96	48	1	517	1144	517	0	139	
			2	913	913	236	236		2	949	949	140	140		
Attention!															
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.															

3.2.2.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

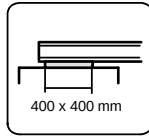
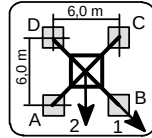


KR 10 - 46/60 Corner distance 6,0 m x 6,0 m Jib length 55 m

height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
[m]	[m]													
11,3	11,7	35	1	275	535	275	15	30	1	154	504	154	0	53
			2	459	459	92	92		2	381	381	25	25	
15,8	16,2	35	1	280	553	280	6	32	1	154	521	154	0	58
			2	473	473	86	86		2	392	392	23	23	
20,3	20,7	35	1	281	577	281	0	33	1	153	542	153	0	75
			2	489	489	80	80		2	404	404	20	20	
24,8	25,2	35	1	273	611	273	0	35	1	151	565	151	0	82
			2	505	505	73	73		2	416	416	17	17	
29,3	29,7	40	1	288	650	288	0	36	1	172	590	172	0	89
			2	536	536	76	76		2	442	442	25	25	
33,8	34,2	40	1	275	692	275	0	38	1	167	619	167	0	95
			2	556	556	66	66		2	457	457	19	19	
38,3	38,7	45	1	286	740	286	0	39	1	185	651	185	0	102
			2	589	589	66	66		2	485	485	25	25	
42,8	43,2	60	1	343	793	343	0	41	1	252	686	252	0	108
			2	650	650	89	89		2	558	558	182	182	
47,3	47,7	75	1	398	852	398	0	42	1	412	746	412	77	115
			2	713	713	110	110		2	648	648	175	175	
51,8	52,2	90	1	459	909	459	9	44	1	459	862	459	55	124
			2	777	777	141	141		2	744	744	174	174	
56,3	56,7	105	1	503	984	503	23	46	1	503	986	503	20	132
			2	843	843	164	164		2	845	845	162	162	
60,8	61,2	125	1	561	1075	561	46	48	1	551	1140	551	0	140
			2	924	924	197	197		2	964	964	157	157	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.2.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 10 - 46/60

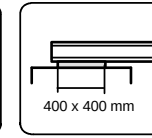
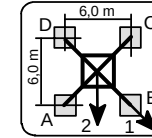
Corner distance 6,0 m x 6,0 m

Jib length 60 m

height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads		corner loads												
A [kN]	B [kN]	C [kN]	D [kN]	A [kN]	B [kN]	C [kN]	D [kN]							
11,3	11,7	35	1	275	525	275	25	30	1	144	524	144	0	53
			2	452	452	99	99		2	388	388	17	17	
15,8	16,2	40	1	292	556	292	29	32	1	169	542	169	0	58
			2	479	479	106	106		2	412	412	28	28	
20,3	20,7	40	1	297	576	297	18	33	1	168	563	168	0	76
			2	494	494	100	100		2	424	424	25	25	
24,8	25,2	40	1	302	597	302	6	35	1	165	586	165	0	83
			2	511	511	92	92		2	436	436	22	22	
29,3	29,7	40	1	298	629	298	0	36	1	161	612	161	0	89
			2	529	529	83	83		2	450	450	17	17	
33,8	34,2	45	1	311	671	311	0	38	1	181	641	181	0	96
			2	561	561	86	86		2	477	477	24	24	
38,3	38,7	50	1	321	718	321	0	39	1	199	673	199	0	102
			2	594	594	86	86		2	506	506	30	30	
42,8	43,2	55	1	329	771	329	0	41	1	215	709	215	0	109
			2	630	630	85	85		2	561	561	153	153	
47,3	47,7	70	1	384	829	384	0	42	1	399	757	399	42	116
			2	693	693	106	106		2	652	652	146	146	
51,8	52,2	85	1	446	885	446	8	45	1	446	874	446	19	124
			2	756	756	136	136		2	748	748	144	144	
56,3	56,7	100	1	491	960	491	22	47	1	475	1015	475	0	132
			2	823	823	159	159		2	850	850	132	132	
60,8	61,2	120	1	548	1051	548	45	48	1	501	1191	501	0	140
			2	904	904	192	192		2	969	969	127	127	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.2.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 10 - 46/60

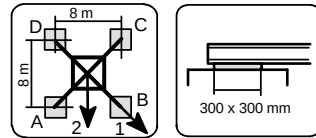
Corner distance 6,0 m x 6,0 m

Jib length 65 m

height under hook 		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	55	1	335	565	335	104	30	1	186	650	186	0	54
			2	498	498	172	172		2	485	485	25	25	
15,8	16,2	55	1	339	583	339	95	32	1	185	669	185	0	59
			2	512	512	166	166		2	497	497	23	23	
20,3	20,7	60	1	356	616	356	97	33	1	209	691	209	0	77
			2	540	540	232	232		2	521	521	33	33	
24,8	25,2	60	1	361	637	361	84	35	1	206	715	206	0	84
			2	558	558	224	224		2	534	534	28	28	
29,3	29,7	60	1	365	661	365	70	36	1	201	743	201	0	90
			2	577	577	214	214		2	549	549	23	23	
33,8	34,2	65	1	382	699	382	66	38	1	220	774	220	0	97
			2	610	610	214	214		2	577	577	29	29	
38,3	38,7	70	1	399	739	399	59	39	1	237	808	237	0	103
			2	646	646	213	213		2	606	606	34	34	
42,8	43,2	70	1	404	770	404	38	41	1	227	846	227	0	110
			2	670	670	197	197		2	633	633	174	174	
47,3	47,7	75	1	451	818	451	84	42	1	239	889	239	0	117
			2	710	710	192	192		2	701	701	141	141	
51,8	52,2	75	1	461	853	461	68	45	1	395	933	395	0	125
			2	738	738	183	183		2	761	761	100	100	
56,3	56,7	95	1	518	944	518	91	47	1	426	1099	426	0	133
			2	819	819	216	216		2	876	876	99	99	
60,8	61,2	125	1	600	1063	600	136	49	1	500	1280	500	0	141
			2	927	927	272	272		2	1022	1022	117	117	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.3.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 1000 - 8 Corner distance 8,0 m x 8,0 m Jib length 30 m

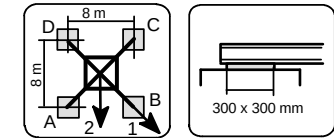
height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm					horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads				corner loads							
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]	A [kN]			B [kN]	C [kN]	D [kN]		
11,3	11,7	15	1	195	394	195	0	29	1	196	292	196	100	50	
			2	340	340	111	111		2	264	264	128	128		
15,8	16,2	15	1	194	413	194	0	31	1	200	279	200	122	55	
			2	352	352	108	108		2	256	256	145	145		
20,3	20,7	15	1	193	434	193	0	32	1	146	287	146	5	71	
			2	365	365	104	104		2	246	246	46	46		
24,8	25,2	15	1	190	457	190	0	34	1	151	299	151	2	78	
			2	379	379	99	99		2	256	256	45	45		
29,3	29,7	15	1	186	483	186	0	35	1	154	313	154	0	84	
			2	394	394	94	94		2	266	266	44	44		
33,8	34,2	20	1	206	512	206	0	37	1	172	338	172	6	91	
			2	422	422	100	100		2	290	290	55	55		
38,3	38,7	30	1	250	543	250	0	38	1	202	378	202	26	98	
			2	464	464	117	117		2	334	334	187	187		
42,8	43,2	40	1	320	585	320	55	40	1	290	436	290	144	104	
			2	507	507	133	133		2	393	393	187	187		
47,3	47,7	50	1	349	636	349	63	41	1	319	512	319	127	111	
			2	552	552	147	147		2	456	456	183	183		
51,8	52,2	55	1	372	676	372	67	44	1	342	583	342	100	119	
			2	587	587	156	156		2	512	512	171	171		
56,3	56,7	65	1	404	730	404	77	46	1	374	670	374	78	127	
			2	635	635	173	173		2	583	583	164	164		
60,8	61,2	80	1	448	800	448	97	48	1	418	773	418	63	135	
			2	697	697	200	200		2	669	669	167	167		
65,3	65,7	95	1	493	871	493	114	50	1	463	884	463	42	144	
			2	760	760	225	225		2	761	761	165	165		
69,8	70,2	105	1	530	931	530	130	52	1	500	992	500	9	155	
			2	813	813	247	247		2	848	848	153	153		
74,3	74,7	120	1	576	1004	576	148	55	1	526	1132	526	0	165	
			2	878	878	273	273		2	946	946	146	146		
78,8	79,2	135	1	624	1076	624	173	57	1	546	1285	546	0	176	
			2	944	944	305	305		2	1049	1049	140	140		

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.2.3.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 1000 - 8 Corner distance 8,0 m x 8,0 m Jib length 35 m

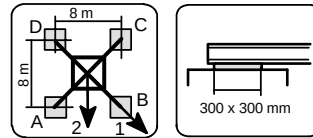
height under hook  [m]		center ballast  [t]		jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads					corner loads										
A [kN]	B [kN]	C [kN]	D [kN]		A [kN]	B [kN]	C [kN]	D [kN]							
11,3	11,7	10	1	190	390	190	0	30	1	192	280	192	104	50	
			2	335	335	109	109		2	254	254	130	130		
15,8	16,2	10	1	189	409	189	0	31	1	124	269	124	0	55	
			2	347	347	106	106		2	246	246	147	147		
20,3	20,7	10	1	188	431	188	0	33	1	126	283	126	0	72	
			2	361	361	102	102		2	234	234	33	33		
24,8	25,2	10	1	185	455	185	0	34	1	127	298	127	0	79	
			2	375	375	97	97		2	244	244	33	33		
29,3	29,7	10	1	181	481	181	0	36	1	128	315	128	0	85	
			2	389	389	92	92		2	254	254	31	31		
33,8	34,2	15	1	200	510	200	0	37	1	153	333	153	0	92	
			2	418	418	97	97		2	281	281	174	174		
38,3	38,7	25	1	243	542	243	0	39	1	257	372	257	142	99	
			2	460	460	114	114		2	338	338	176	176		
42,8	43,2	35	1	317	581	317	52	40	1	287	445	287	128	105	
			2	504	504	130	130		2	399	399	175	175		
47,3	47,7	45	1	346	633	346	60	41	1	316	522	316	110	112	
			2	549	549	144	144		2	462	462	170	170		
51,8	52,2	50	1	368	673	368	64	44	1	338	594	338	83	120	
			2	584	584	153	153		2	519	519	158	158		
56,3	56,7	65	1	413	740	413	85	46	1	383	694	383	72	128	
			2	645	645	181	181		2	603	603	163	163		
60,8	61,2	75	1	445	798	445	92	48	1	415	786	415	44	136	
			2	694	694	195	195		2	678	678	152	152		
65,3	65,7	90	1	490	870	490	109	50	1	460	898	460	21	145	
			2	759	759	220	220		2	770	770	149	149		
69,8	70,2	100	1	527	930	527	124	53	1	484	1019	484	0	156	
			2	812	812	242	242		2	858	858	136	136		
74,3	74,7	115	1	572	1003	572	141	55	1	500	1171	500	0	166	
			2	877	877	268	268		2	957	957	128	128		
78,8	79,2	130	1	621	1076	621	166	58	1	519	1326	519	0	177	
			2	943	943	299	299		2	1060	1060	122	122		

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.2.3.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 1000 - 8 Corner distance 8,0 m x 8,0 m Jib length 40 m

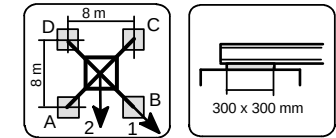
height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
[m]	[m]			corner loads						corner loads				
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
11,3	11,7	5	1	182	389	182	0	30	1	188	270	188	107	51
			2	332	332	104	104		2	246	246	131	131	
15,8	16,2	5	1	182	409	182	0	31	1	98	270	98	0	56
			2	345	345	101	101		2	238	238	148	148	
20,3	20,7	5	1	180	430	180	0	33	1	101	284	101	0	73
			2	358	358	97	97		2	222	222	21	21	
24,8	25,2	5	1	177	455	177	0	34	1	102	299	102	0	79
			2	372	372	92	92		2	231	231	20	20	
29,3	29,7	5	1	172	482	172	0	36	1	103	316	103	0	86
			2	387	387	86	86		2	242	242	18	18	
33,8	34,2	10	1	192	511	192	0	37	1	128	334	128	0	93
			2	416	416	91	91		2	283	283	164	164	
38,3	38,7	20	1	234	544	234	0	39	1	253	377	253	129	99
			2	458	458	108	108		2	341	341	165	165	
42,8	43,2	30	1	313	581	313	45	40	1	283	451	283	115	106
			2	502	502	123	123		2	401	401	164	164	
47,3	47,7	40	1	342	633	342	52	42	1	312	528	312	96	112
			2	548	548	137	137		2	465	465	159	159	
51,8	52,2	50	1	377	686	377	68	44	1	347	613	347	81	121
			2	595	595	158	158		2	535	535	159	159	
56,3	56,7	60	1	409	741	409	76	46	1	379	701	379	57	129
			2	644	644	174	174		2	607	607	151	151	
60,8	61,2	75	1	453	812	453	95	48	1	423	807	423	40	137
			2	707	707	200	200		2	695	695	152	152	
65,3	65,7	90	1	498	885	498	111	50	1	468	920	468	16	146
			2	772	772	224	224		2	788	788	148	148	
69,8	70,2	100	1	535	945	535	126	53	1	487	1048	487	0	157
			2	825	825	246	246		2	876	876	135	135	
74,3	74,7	115	1	581	1019	581	143	55	1	502	1201	502	0	166
			2	891	891	271	271		2	976	976	126	126	
78,8	79,2	130	1	629	1092	629	167	58	1	520	1357	520	0	178
			2	956	956	302	302		2	1079	1079	119	119	

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.2.3.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 1000 - 8 Corner distance 8,0 m x 8,0 m Jib length 45 m

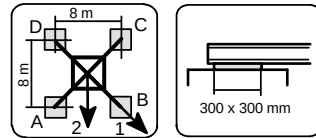
height under hook  [m] [m]	center ballast [t]	jib position	crane in service torque moment: 320 kNm					horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm					horizontal force [kN]
			corner loads				corner loads								
			A [kN]	B [kN]	C [kN]	D [kN]	A [kN]			B [kN]	C [kN]	D [kN]			
11,3	11,7	0	1	179	382	179	0	30	1	122	261	122	0	52	
			2	328	328	102	102		2	236	236	134	134		
15,8	16,2	0	1	178	402	178	0	31	1	125	273	125	0	56	
			2	340	340	99	99		2	227	227	152	152		
20,3	20,7	0	1	177	424	177	0	33	1	127	287	127	0	74	
			2	354	354	95	95		2	237	237	33	33		
24,8	25,2	5	1	198	448	198	0	34	1	152	304	152	0	80	
			2	380	380	102	102		2	260	260	45	45		
29,3	29,7	5	1	194	476	194	0	36	1	153	321	153	0	87	
			2	396	396	96	96		2	270	270	43	43		
33,8	34,2	5	1	188	506	188	0	37	1	152	341	152	0	94	
			2	412	412	88	88		2	289	289	152	152		
38,3	38,7	15	1	230	540	230	0	39	1	250	387	250	112	100	
			2	455	455	105	105		2	347	347	152	152		
42,8	43,2	25	1	309	577	309	41	40	1	279	462	279	97	107	
			2	499	499	120	120		2	408	408	150	150		
47,3	47,7	35	1	339	630	339	48	42	1	309	541	309	77	113	
			2	545	545	133	133		2	473	473	145	145		
51,8	52,2	45	1	373	683	373	63	44	1	343	626	343	61	122	
			2	593	593	154	154		2	543	543	144	144		
56,3	56,7	55	1	406	740	406	71	46	1	376	716	376	36	130	
			2	642	642	169	169		2	616	616	135	135		
60,8	61,2	70	1	450	811	450	89	48	1	420	823	420	17	138	
			2	705	705	195	195		2	705	705	135	135		
65,3	65,7	85	1	495	885	495	105	50	1	457	945	457	0	146	
			2	771	771	219	219		2	799	799	130	130		
69,8	70,2	95	1	532	945	532	120	53	1	459	1090	459	0	158	
			2	824	824	240	240		2	888	888	116	116		
74,3	74,7	115	1	590	1032	590	148	55	1	497	1247	497	0	167	
			2	903	903	277	277		2	1001	1001	119	119		

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.2.3.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

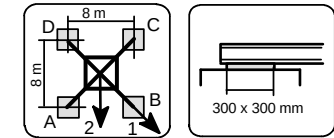


KR 1000 - 8 Corner distance 8,0 m x 8,0 m Jib length 50 m

height under hook  [m]		center ballast  [m]	center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads					corner loads										
A [kN]	B [kN]	C [kN]			D [kN]	A [kN]	B [kN]	C [kN]			D [kN]				
11,3	11,7	0	1	216	372	216	59	30	1	108	291	108	0	52	
			2	326	326	105	105		2	230	230	23	23		
15,8	16,2	0	1	220	388	220	53	32	1	111	304	111	0	57	
			2	339	339	102	102		2	239	239	23	23		
20,3	20,7	0	1	225	405	225	45	33	1	112	319	112	0	74	
			2	352	352	97	97		2	249	249	23	23		
24,8	25,2	5	1	242	436	242	48	34	1	138	335	138	0	81	
			2	379	379	105	105		2	271	271	34	34		
29,3	29,7	5	1	246	455	246	37	36	1	138	353	138	0	88	
			2	394	394	99	99		2	282	282	32	32		
33,8	34,2	5	1	202	480	202	0	37	1	137	374	137	0	94	
			2	411	411	91	91		2	304	304	138	138		
38,3	38,7	10	1	219	514	219	0	39	1	238	397	238	79	101	
			2	441	441	95	95		2	351	351	125	125		
42,8	43,2	20	1	298	563	298	33	40	1	268	472	268	63	107	
			2	485	485	110	110		2	412	412	123	123		
47,3	47,7	30	1	327	615	327	39	42	1	297	552	297	42	114	
			2	531	531	123	123		2	478	478	117	117		
51,8	52,2	40	1	362	669	362	55	44	1	332	638	332	26	122	
			2	579	579	145	145		2	548	548	115	115		
56,3	56,7	50	1	394	725	394	63	46	1	364	728	364	0	131	
			2	628	628	160	160		2	621	621	106	106		
60,8	61,2	65	1	438	796	438	81	48	1	389	856	389	0	139	
			2	691	691	185	185		2	711	711	106	106		
65,3	65,7	80	1	483	870	483	96	50	1	407	998	407	0	147	
			2	757	757	209	209		2	806	806	100	100		
69,8	70,2	100	1	545	955	545	136	53	1	459	1144	459	0	159	
			2	835	835	256	256		2	920	920	111	111		
74,3	74,7	120	1	603	1042	603	164	55	1	496	1302	496	0	168	
			2	914	914	293	293		2	1034	1034	113	113		
Attention!															
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.															

3.2.3.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

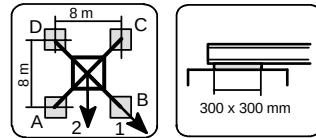


KR 1000 - 8 Corner distance 8,0 m x 8,0 m Jib length 55 m

height under hook  [m]		center ballast  [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads				corner loads										
A [kN]	B [kN]	C [kN]	D [kN]	A [kN]	B [kN]	C [kN]	D [kN]							
11,3	11,7	10	1	227	421	227	32	30	1	120	377	120	0	53
			2	364	364	89	89		2	288	288	20	20	
15,8	16,2	10	1	231	436	231	26	32	1	122	391	122	0	58
			2	376	376	86	86		2	297	297	20	20	
20,3	20,7	10	1	236	452	236	19	33	1	124	406	124	0	75
			2	389	389	83	83		2	307	307	19	19	
24,8	25,2	10	1	240	470	240	11	35	1	124	423	124	0	82
			2	402	402	78	78		2	318	318	18	18	
29,3	29,7	10	1	245	488	245	1	36	1	124	442	124	0	89
			2	417	417	73	73		2	329	329	16	16	
33,8	34,2	10	1	240	518	240	0	38	1	122	464	122	0	95
			2	433	433	66	66		2	341	341	13	13	
38,3	38,7	15	1	256	554	256	0	39	1	144	488	144	0	102
			2	462	462	70	70		2	374	374	158	158	
42,8	43,2	20	1	271	593	271	0	41	1	165	514	165	0	108
			2	493	493	74	74		2	424	424	143	143	
47,3	47,7	30	1	308	637	308	0	42	1	313	563	313	63	115
			2	539	539	87	87		2	490	490	136	136	
51,8	52,2	40	1	348	684	348	11	44	1	348	650	348	46	124
			2	586	586	110	110		2	561	561	134	134	
56,3	56,7	50	1	380	739	380	20	46	1	380	741	380	18	132
			2	634	634	125	125		2	635	635	124	124	
60,8	61,2	65	1	424	809	424	39	48	1	423	853	423	0	140
			2	696	696	152	152		2	726	726	123	123	
65,3	65,7	80	1	469	882	469	56	50	1	439	998	439	0	148
			2	761	761	177	177		2	822	822	116	116	
69,8	70,2	95	1	519	953	519	85	53	1	465	1146	465	0	160
			2	826	826	212	212		2	924	924	113	113	
74,3	74,7	115	1	577	1039	577	115	55	1	500	1308	500	0	169
			2	904	904	250	250		2	1039	1039	114	114	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.3.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

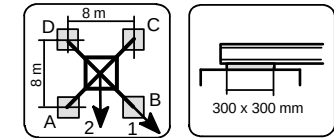


KR 1000 - 8 Corner distance 8,0 m x 8,0 m Jib length 60 m

height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
 [m]	A [kN]			B [kN]	C [kN]	D [kN]	A [kN]			B [kN]	C [kN]	D [kN]		
11,3	11,7	10	1	227	414	227	39	30	1	112	393	112	0	53
			2	359	359	94	94		2	293	293	15	15	
15,8	16,2	10	1	231	429	231	34	32	1	114	406	114	0	58
			2	371	371	91	91		2	303	303	15	15	
20,3	20,7	10	1	236	445	236	27	33	1	116	422	116	0	76
			2	384	384	88	88		2	312	312	14	14	
24,8	25,2	15	1	253	475	253	31	35	1	141	439	141	0	83
			2	410	410	96	96		2	336	336	25	25	
29,3	29,7	15	1	257	493	257	21	36	1	141	459	141	0	89
			2	424	424	91	91		2	347	347	23	23	
33,8	34,2	15	1	262	514	262	10	38	1	139	480	139	0	96
			2	440	440	84	84		2	359	359	19	19	
38,3	38,7	15	1	264	538	264	0	39	1	136	504	136	0	102
			2	457	457	76	76		2	386	386	147	147	
42,8	43,2	20	1	279	577	279	0	41	1	157	531	157	0	109
			2	488	488	79	79		2	436	436	131	131	
47,3	47,7	25	1	291	621	291	0	42	1	301	568	301	33	116
			2	520	520	81	81		2	490	490	111	111	
51,8	52,2	35	1	335	663	335	7	45	1	335	655	335	15	124
			2	567	567	103	103		2	561	561	109	109	
56,3	56,7	45	1	367	718	367	16	47	1	355	759	355	0	132
			2	615	615	119	119		2	636	636	99	99	
60,8	61,2	60	1	412	788	412	36	48	1	378	891	378	0	140
			2	678	678	146	146		2	727	727	97	97	
65,3	65,7	80	1	469	873	469	65	50	1	419	1038	419	0	149
			2	754	754	243	243		2	836	836	102	102	
69,8	70,2	100	1	531	956	531	106	53	1	470	1186	470	0	160
			2	833	833	290	290		2	951	951	112	112	
74,3	74,7	125	1	602	1055	602	149	56	1	529	1349	529	0	170
			2	924	924	339	339		2	1079	1079	125	125	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.3.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

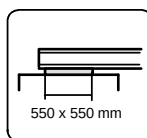
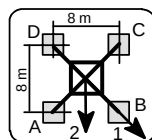


KR 1000 - 8 Corner distance 8,0 m x 8,0 m Jib length 65 m

height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads				corner loads										
A [kN]	B [kN]			C [kN]	D [kN]	A [kN]	B [kN]			C [kN]	D [kN]			
11,3	11,7	25	1	273	446	273	100	30	1	145	487	145	0	54
			2	402	402	205	205		2	367	367	22	22	
15,8	16,2	25	1	278	461	278	95	32	1	147	502	147	0	59
			2	414	414	202	202		2	376	376	21	21	
20,3	20,7	25	1	282	477	282	88	33	1	148	518	148	0	77
			2	428	428	197	197		2	386	386	20	20	
24,8	25,2	25	1	317	494	317	140	35	1	148	536	148	0	84
			2	442	442	192	192		2	397	397	18	18	
29,3	29,7	30	1	334	527	334	141	36	1	172	557	172	0	90
			2	470	470	198	198		2	422	422	28	28	
33,8	34,2	30	1	339	548	339	129	38	1	169	580	169	0	97
			2	487	487	190	190		2	434	434	24	24	
38,3	38,7	30	1	343	572	343	114	39	1	165	605	165	0	103
			2	505	505	181	181		2	451	451	176	176	
42,8	43,2	35	1	360	610	360	110	41	1	185	634	185	0	110
			2	537	537	183	183		2	502	502	158	158	
47,3	47,7	35	1	365	639	365	90	42	1	178	666	178	0	117
			2	559	559	171	171		2	544	544	125	125	
51,8	52,2	35	1	374	668	374	81	45	1	340	698	340	0	125
			2	582	582	167	167		2	591	591	97	97	
56,3	56,7	40	1	394	713	394	75	47	1	317	822	317	0	133
			2	619	619	169	169		2	655	655	73	73	
60,8	61,2	60	1	451	798	451	104	49	1	364	957	364	0	141
			2	696	696	206	206		2	760	760	82	82	
65,3	65,7	85	1	521	898	521	143	51	1	427	1109	427	0	150
			2	787	787	254	254		2	883	883	98	98	
69,8	70,2	105	1	583	984	583	182	54	1	477	1259	477	0	161
			2	866	866	300	300		2	998	998	108	108	
Attention!														
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

3.2.4.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 16 - 80/100

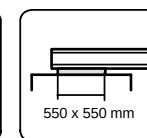
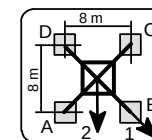
Corner distance 8,0 m x 8,0 m

Jib length 30 m

[illegible]

3.2.4.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 16 - 80/100

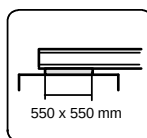
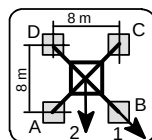
Corner distance 8,0 m x 8,0 m

Jib length 35 m

[illegible]

3.2.4.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 16 - 80/100

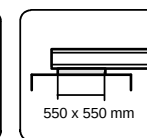
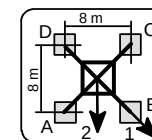
Corner distance 8,0 m x 8,0 m

Jib length 40 m

[illegible]

3.2.4.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 16 - 80/100

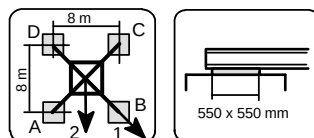
Corner distance 8,0 m x 8,0 m

Jib length 45 m

[illegible]

3.2.4.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 16 - 80/100

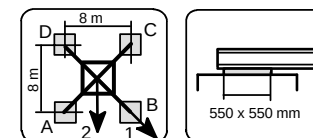
Corner distance 8,0 m x 8,0 m

Jib length 50 m

[illegible]

3.2.4.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 16 - 80/100

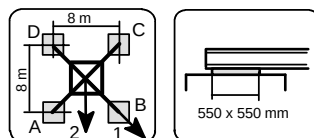
Corner distance 8,0 m x 8,0 m

Jib length 55 m

[illegible]

3.2.4.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 16 - 80/100

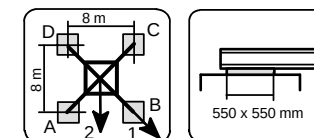
Corner distance 8,0 m x 8,0 m

Jib length 60 m

[illegible]

3.2.4.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KR 16 - 80/100

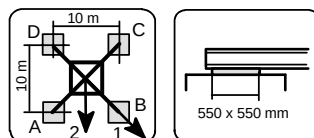
Corner distance 8,0 m x 8,0 m

Jib length 65 m

[illegible]

3.2.5.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

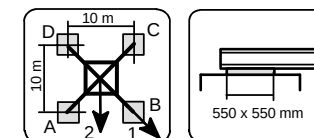


KR 16 - 80/100	Corner distance 10,0 m x 10,0 m	Jib length 30 m
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[illegible]

3.2.5.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

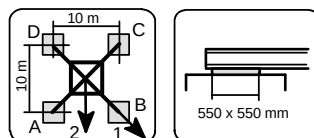


KR 16 - 80/100	Corner distance 10,0 m x 10,0 m	Jib length 35 m
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[illegible]

3.2.5.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

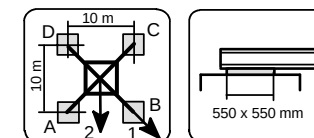


KR 16 - 80/100	Corner distance 10,0 m x 10,0 m	Jib length 40 m
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[illegible]

3.2.5.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

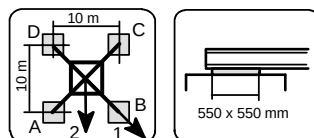


KR 16 - 80/100	Corner distance 10,0 m x 10,0 m	Jib length 45 m
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[illegible]

3.2.5.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

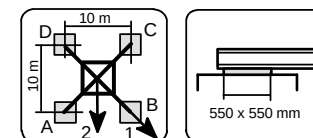


KR 16 - 80/100	Corner distance 10,0 m x 10,0 m	Jib length 50 m
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[illegible]

3.2.5.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

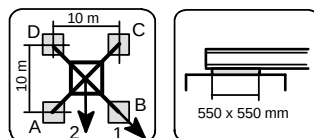


KR 16 - 80/100	Corner distance 10,0 m x 10,0 m	Jib length 55 m
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[illegible]

3.2.5.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

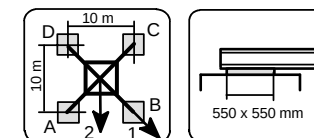


KR 16 - 80/100	Corner distance 10,0 m x 10,0 m	Jib length 60 m
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[illegible]

3.2.5.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive

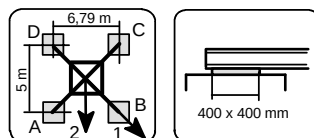


KR 16 - 80/100	Corner distance 10,0 m x 10,0 m	Jib length 65 m
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[illegible]

3.3.1.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

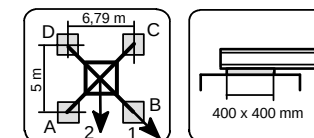
Corner distance 5 m x 6,79 m

Jib length 30 m

[illegible]

3.3.1.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

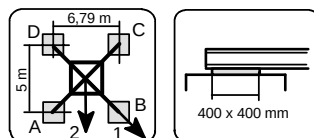
Corner distance 5 m x 6,79 m

Jib length 35 m

[illegible]

3.3.1.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

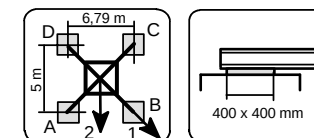
Corner distance 5 m x 6,79 m

Jib length 40 m

[illegible]

3.3.1.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

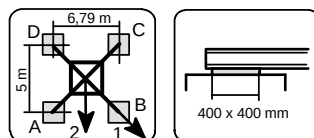
Corner distance 5 m x 6,79 m

Jib length 45 m

[illegible]

3.3.1.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

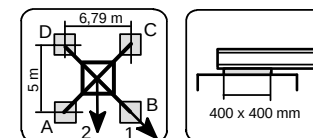
Corner distance 5 m x 6,79 m

Jib length 50 m

[illegible]

3.3.1.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

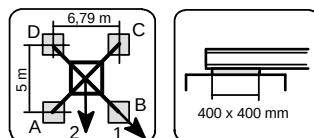
Corner distance 5 m x 6,79 m

Jib length 55 m

[illegible]

3.3.1.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

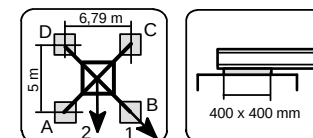
Corner distance 5 m x 6,79 m

Jib length 60 m

[illegible]

3.3.1.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

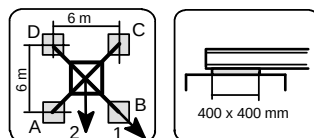
Corner distance 5 m x 6,79 m

Jib length 65 m

[illegible]

3.3.2.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

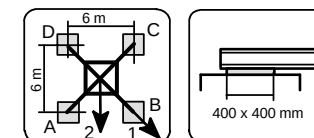
Corner distance 6,0 m x 6,0 m

Jib length 30 m

[illegible]

3.3.2.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

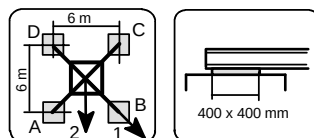
Corner distance 6,0 m x 6,0 m

Jib length 35 m

[illegible]

3.3.2.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

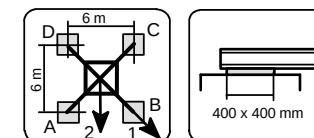
Corner distance 6,0 m x 6,0 m

Jib length 40 m

[illegible]

3.3.2.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

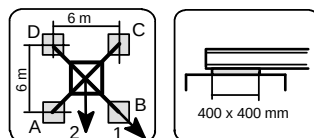
Corner distance 6,0 m x 6,0 m

Jib length 45 m

[illegible]

3.3.2.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

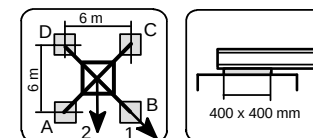
Corner distance 6,0 m x 6,0 m

Jib length 50 m

[illegible]

3.3.2.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

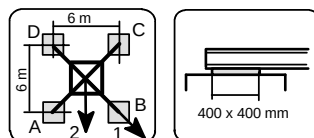
Corner distance 6,0 m x 6,0 m

Jib length 55 m

[illegible]

3.3.2.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

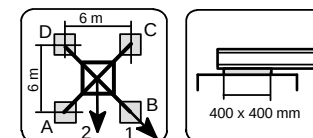
Corner distance 6,0 m x 6,0 m

Jib length 60 m

[illegible]

3.3.2.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.1

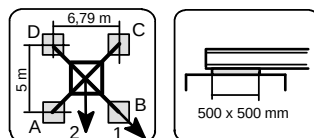
Corner distance 6,0 m x 6,0 m

Jib length 65 m

[illegible]

3.3.3.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

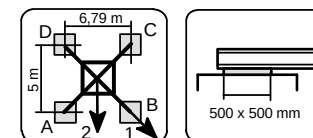
Corner distance 5,0 m x 6,79 m

Jib length 30 m

[illegible]

3.3.3.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

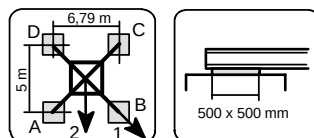
Corner distance 5,0 m x 6,79 m

Jib length 35 m

[illegible]

3.3.3.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

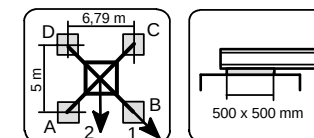
Corner distance 5,0 m x 6,79 m

Jib length 40 m

[illegible]

3.3.3.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

Corner distance 5,0 m x 6,79 m

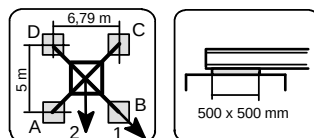
Jib length 45 m

height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	55	1	396	592	231	36	32	1	311	445	198	65	58
			2	537	537	90	90		2	408	408	102	102	
18,6	19,0	55	1	405	611	231	26	34	1	318	459	200	60	76
			2	554	554	83	83		2	420	420	99	99	
23,1	23,5	55	1	414	631	231	14	35	1	326	474	201	54	81
			2	571	571	74	74		2	433	433	95	95	
27,6	28,0	55	1	424	654	230	1	37	1	334	490	202	46	87
			2	590	590	124	124		2	447	447	90	90	
32,1	32,5	55	1	420	693	214	0	38	1	343	508	203	38	94
			2	612	612	111	111		2	462	462	84	84	
36,6	37,0	70	1	483	743	264	5	40	1	389	564	241	65	100
			2	674	674	133	133		2	516	516	114	114	
41,1	41,5	85	1	554	809	338	83	41	1	484	647	347	185	107
			2	738	738	154	154		2	602	602	230	230	
45,6	46,0	105	1	617	893	384	107	43	1	559	767	382	174	114
			2	817	817	184	184		2	709	709	231	231	
50,1	50,5	125	1	682	981	428	128	44	1	635	894	415	156	120
			2	898	898	212	212		2	822	822	228	228	

Attention!
For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.3.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

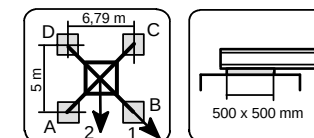
Corner distance 5,0 m x 6,79 m

Jib length 50 m

[illegible]

3.3.3.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

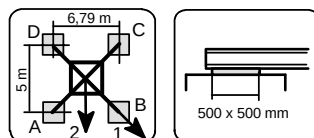
Corner distance 5,0 m x 6,79 m

Jib length 55 m

[illegible]

3.3.3.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

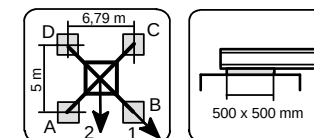
Corner distance 5,0 m x 6,79 m

Jib length 60 m

[illegible]

3.3.3.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

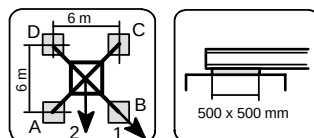
Corner distance 5,0 m x 6,79 m

Jib length 65 m

[illegible]

3.3.4.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

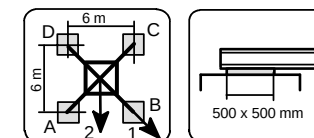
Corner distance 6,0 m x 6,0 m

Jib length 30 m

[illegible]

3.3.4.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

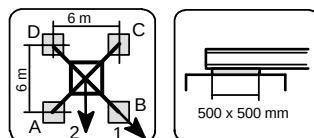
Corner distance 6,0 m x 6,0 m

Jib length 35 m

[illegible]

3.3.4.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

Corner distance 6,0 m x 6,0 m

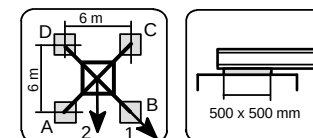
Jib length 40 m

height under hook		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	40	1	266	537	266	0	32	1	191	369	191	12	58
			2	457	457	77	77		2	331	331	203	203	
18,6	19,0	40	1	261	564	261	0	34	1	195	382	195	8	75
			2	471	471	132	132		2	327	327	63	63	
23,1	23,5	40	1	255	594	255	0	35	1	200	396	200	3	80
			2	488	488	124	124		2	339	339	61	61	
27,6	28,0	40	1	247	628	247	0	37	1	202	414	202	0	86
			2	506	506	115	115		2	351	351	58	58	
32,1	32,5	40	1	238	665	238	0	38	1	199	438	199	0	93
			2	525	525	105	105		2	364	364	54	54	
36,6	37,0	50	1	276	706	276	0	40	1	238	470	238	6	99
			2	570	570	119	119		2	417	417	213	213	
41,1	41,5	65	1	338	752	338	0	41	1	357	557	357	156	106
			2	630	630	143	143		2	498	498	215	215	
45,6	46,0	80	1	397	802	397	0	43	1	399	660	399	137	113
			2	692	692	165	165		2	584	584	214	214	
50,1	50,5	95	1	471	874	471	67	44	1	441	769	441	112	119
			2	756	756	185	185		2	673	673	208	208	
54,6	55,0	110	1	518	947	518	88	47	1	488	887	488	89	128
			2	822	822	214	214		2	770	770	206	206	
59,1	59,5	125	1	562	1025	562	100	49	1	532	1010	532	55	136
			2	889	889	236	236		2	870	870	195	195	

Attention!
 For the **WOLFF 6531.6** or **.8** only the column  for the hook height is valid.

3.3.4.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

Corner distance 6,0 m x 6,0 m

Jib length 45 m

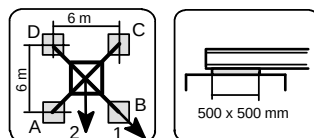
height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
[m]	[m]			corner loads						corner loads				
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	35	1	264	527	264	0	32	1	205	385	205	24	58
			2	451	451	136	136		2	332	332	77	77	
18,6	19,0	35	1	259	555	259	0	34	1	209	398	209	20	76
			2	467	467	130	130		2	343	343	75	75	
23,1	23,5	35	1	253	585	253	0	35	1	214	413	214	14	81
			2	483	483	122	122		2	355	355	73	73	
27,6	28,0	35	1	245	620	245	0	37	1	218	429	218	8	87
			2	501	501	113	113		2	367	367	69	69	
32,1	32,5	35	1	235	658	235	0	38	1	223	446	223	0	94
			2	521	521	103	103		2	380	380	65	65	
36,6	37,0	45	1	273	699	273	0	40	1	252	489	252	16	100
			2	567	567	116	116		2	426	426	197	197	
41,1	41,5	60	1	334	746	334	0	41	1	353	572	353	134	107
			2	627	627	140	140		2	508	508	198	198	
45,6	46,0	75	1	425	798	425	52	43	1	395	677	395	114	114
			2	689	689	162	162		2	595	595	196	196	
50,1	50,5	90	1	467	872	467	63	44	1	437	788	437	87	120
			2	754	754	181	181		2	685	685	190	190	
54,6	55,0	105	1	515	946	515	83	47	1	485	907	485	63	129
			2	819	819	210	210		2	783	783	186	186	
59,1	59,5	120	1	559	1024	559	94	49	1	529	1031	529	27	137
			2	888	888	231	231		2	884	884	174	174	

Attention!

For the **WOLFF 6531.6** or **.8** only the column  for the hook height is valid.

3.3.4.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

Corner distance 6,0 m x 6,0 m

Jib length 50 m

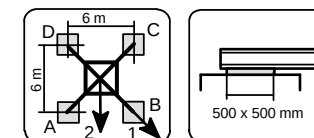
height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	30	1	282	500	282	63	33	1	185	401	185	0	58
			2	436	436	127	127		2	335	335	51	51	
18,6	19,0	30	1	252	522	252	0	34	1	185	420	185	0	76
			2	452	452	121	121		2	346	346	49	49	
23,1	23,5	30	1	246	552	246	0	35	1	184	440	184	0	81
			2	469	469	113	113		2	358	358	46	46	
27,6	28,0	30	1	238	586	238	0	37	1	182	463	182	0	88
			2	487	487	104	104		2	370	370	43	43	
32,1	32,5	30	1	228	624	228	0	38	1	178	488	178	0	94
			2	506	506	94	94		2	384	384	38	38	
36,6	37,0	40	1	267	665	267	0	40	1	223	517	223	0	101
			2	552	552	107	107		2	434	434	165	165	
41,1	41,5	55	1	372	712	372	31	41	1	342	590	342	93	108
			2	612	612	131	131		2	517	517	166	166	
45,6	46,0	65	1	401	770	401	32	43	1	371	683	371	59	114
			2	662	662	140	140		2	592	592	151	151	
50,1	50,5	85	1	456	856	456	55	44	1	426	807	426	44	121
			2	739	739	172	172		2	696	696	156	156	
54,6	55,0	95	1	490	917	490	63	47	1	460	914	460	6	130
			2	792	792	188	188		2	781	781	139	139	
59,1	59,5	115	1	547	1008	547	87	49	1	500	1070	500	0	138
			2	873	873	222	222		2	896	896	139	139	

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.4.6 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

Corner distance 6,0 m x 6,0 m

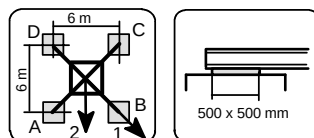
Jib length 55 m

height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
[m]	[m]			corner loads						corner loads				
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	35	1	280	549	280	11	33	1	158	516	158	0	60
			2	470	470	90	90		2	390	390	25	25	
18,6	19,0	35	1	285	568	285	2	34	1	157	535	157	0	77
			2	485	485	85	85		2	402	402	23	23	
23,1	23,5	35	1	280	598	280	0	36	1	156	557	156	0	82
			2	501	501	78	78		2	414	414	20	20	
27,6	28,0	40	1	296	633	296	0	37	1	178	581	178	0	89
			2	530	530	82	82		2	439	439	28	28	
32,1	32,5	40	1	286	673	286	0	39	1	173	608	173	0	95
			2	549	549	73	73		2	453	453	23	23	
36,6	37,0	40	1	273	717	273	0	40	1	167	638	167	0	102
			2	569	569	62	62		2	469	469	17	17	
41,1	41,5	55	1	332	766	332	0	42	1	235	671	235	0	109
			2	628	628	87	87		2	527	527	188	188	
45,6	46,0	70	1	389	820	389	0	43	1	301	707	301	0	115
			2	690	690	109	109		2	615	615	184	184	
50,1	50,5	85	1	442	882	442	1	45	1	442	817	442	66	122
			2	753	753	130	130		2	707	707	176	176	
54,6	55,0	100	1	489	954	489	23	47	1	489	938	489	40	131
			2	818	818	159	159		2	806	806	171	171	
59,1	59,5	115	1	533	1031	533	36	49	1	533	1065	533	1	139
			2	885	885	181	181		2	909	909	157	157	

Attention!
 For the **WOLFF 6531.6** or **.8** only the column  for the hook height is valid.

3.3.4.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

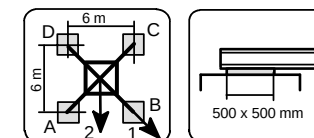
Corner distance 6,0 m x 6,0 m

Jib length 60 m

[illegible]

3.3.4.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 260.2

Corner distance 6,0 m x 6,0 m

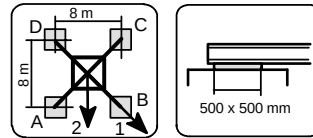
Jib length 65 m

height under hook		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	55	1	339	579	339	100	33	1	189	663	189	0	61
			2	509	509	170	170		2	495	495	25	25	
18,6	19,0	55	1	344	598	344	90	34	1	188	683	188	0	79
			2	523	523	225	225		2	506	506	23	23	
23,1	23,5	60	1	361	631	361	91	36	1	211	706	211	0	84
			2	553	553	229	229		2	532	532	32	32	
27,6	28,0	60	1	366	653	366	78	37	1	207	732	207	0	90
			2	571	571	220	220		2	545	545	27	27	
32,1	32,5	60	1	370	677	370	63	39	1	202	760	202	0	97
			2	591	591	209	209		2	560	560	22	22	
36,6	37,0	65	1	387	716	387	58	40	1	220	793	220	0	104
			2	625	625	210	210		2	588	588	28	28	
41,1	41,5	70	1	404	757	404	51	42	1	236	828	236	0	110
			2	660	660	208	208		2	618	618	32	32	
45,6	46,0	70	1	409	789	409	29	43	1	225	868	225	0	117
			2	686	686	192	192		2	666	666	151	151	
50,1	50,5	75	1	456	838	456	73	45	1	238	912	238	0	123
			2	726	726	185	185		2	736	736	116	116	
54,6	55,0	85	1	490	900	490	81	47	1	408	1027	408	0	132
			2	780	780	201	201		2	824	824	97	97	
59,1	59,5	110	1	560	1005	560	115	49	1	461	1199	461	0	140
			2	874	874	246	246		2	954	954	106	106	

Attention!
For the **WOLFF 6531.6** or **.8** only the column  for the hook height is valid.

3.3.5.1 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 480 Corner distance 8,0 m x 8,0 m Jib length 30 m

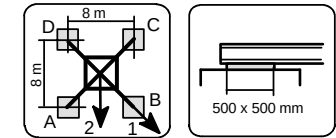
height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	5	1	182	407	182	0	33	1	193	275	193	111	59
			2	343	343	103	103		2	251	251	135	135	
18,6	19,0	5	1	182	427	182	0	35	1	138	279	138	0	76
			2	355	355	100	100		2	238	238	40	40	
23,1	23,5	5	1	180	449	180	0	36	1	140	293	140	0	80
			2	368	368	95	95		2	247	247	40	40	
27,6	28,0	5	1	177	473	177	0	38	1	142	309	142	0	87
			2	383	383	90	90		2	257	257	39	39	
32,1	32,5	10	1	197	500	197	0	39	1	165	328	165	2	94
			2	410	410	97	97		2	280	280	49	49	
36,6	37,0	20	1	241	530	241	0	41	1	194	367	194	22	100
			2	451	451	115	115		2	317	317	72	72	
41,1	41,5	25	1	259	562	259	0	42	1	270	400	270	140	107
			2	481	481	119	119		2	362	362	178	178	
45,6	46,0	35	1	330	606	330	53	44	1	300	474	300	125	113
			2	525	525	134	134		2	423	423	176	176	
50,1	50,5	45	1	359	658	359	61	45	1	329	552	329	106	120
			2	570	570	148	148		2	487	487	172	172	
54,6	55,0	55	1	394	711	394	77	48	1	364	638	364	89	129
			2	618	618	169	169		2	558	558	170	170	
59,1	59,5	65	1	426	767	426	85	49	1	396	727	396	64	137
			2	667	667	185	185		2	630	630	161	161	
63,6	64,0	80	1	470	837	470	104	51	1	440	834	440	47	145
			2	730	730	211	211		2	719	719	162	162	
68,1	68,5	95	1	515	910	515	121	53	1	485	947	485	23	154
			2	794	794	236	236		2	812	812	158	158	
72,6	73,0	105	1	553	970	553	135	56	1	509	1073	509	0	166
			2	848	848	257	257		2	902	902	143	143	
77,1	77,5	125	1	611	1057	611	164	58	1	547	1229	547	0	175
			2	926	926	295	295		2	1015	1015	146	146	
81,6	82,0	135	1	646	1118	646	175	61	1	538	1391	538	0	186
			2	980	980	313	313		2	1108	1108	125	125	

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.5.2 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 480 Corner distance 8,0 m x 8,0 m Jib length 35 m

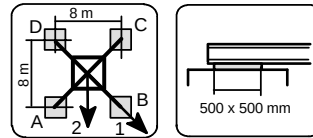
height under hook		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force	jib position	crane out of service torque moment: 0 kNm				horizontal force
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	0	1	178	403	178	0	33	1	110	267	110	0	60
			2	338	338	101	101		2	242	242	137	137	
18,6	19,0	0	1	177	424	177	0	35	1	113	280	113	0	77
			2	350	350	98	98		2	225	225	27	27	
23,1	23,5	0	1	174	446	174	0	36	1	115	294	115	0	81
			2	364	364	93	93		2	235	235	27	27	
27,6	28,0	0	1	171	471	171	0	38	1	116	310	116	0	88
			2	378	378	88	88		2	245	245	26	26	
32,1	32,5	5	1	192	498	192	0	39	1	141	328	141	0	95
			2	406	406	94	94		2	268	268	36	36	
36,6	37,0	15	1	236	529	236	0	41	1	182	356	182	8	101
			2	447	447	112	112		2	321	321	179	179	
41,1	41,5	20	1	253	562	253	0	42	1	267	408	267	125	108
			2	478	478	116	116		2	367	367	167	167	
45,6	46,0	30	1	326	602	326	50	44	1	296	483	296	109	114
			2	522	522	131	131		2	429	429	164	164	
50,1	50,5	45	1	368	667	368	70	45	1	338	575	338	102	121
			2	580	580	157	157		2	506	506	171	171	
54,6	55,0	50	1	391	708	391	73	48	1	361	649	361	72	130
			2	615	615	166	166		2	565	565	156	156	
59,1	59,5	65	1	435	777	435	93	50	1	405	752	405	58	138
			2	677	677	193	193		2	650	650	160	160	
63,6	64,0	75	1	467	835	467	99	52	1	437	847	437	27	146
			2	727	727	207	207		2	727	727	147	147	
68,1	68,5	90	1	512	909	512	115	53	1	482	962	482	1	155
			2	792	792	231	231		2	821	821	142	142	
72,6	73,0	105	1	562	982	562	141	56	1	508	1111	508	0	167
			2	859	859	264	264		2	925	925	139	139	
77,1	77,5	120	1	607	1057	607	157	59	1	520	1270	520	0	176
			2	925	925	289	289		2	1026	1026	128	128	
81,6	82,0	140	1	668	1143	668	193	61	1	560	1433	560	0	187
			2	1004	1004	332	332		2	1145	1145	131	131	

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.5.3 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 480 Corner distance 8,0 m x 8,0 m Jib length 40 m

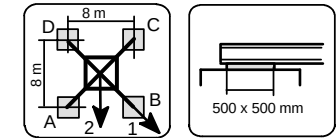
height under hook  [m]		center ballast  [m]	center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
					A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	0	1	195	403	195	0	33	1	110	267	110	0	60	
			2	347	347	109	109		2	246	246	150	150		
18,6	19,0	0	1	194	423	194	0	35	1	113	280	113	0	77	
			2	360	360	105	105		2	226	226	27	27		
23,1	23,5	0	1	192	446	192	0	36	1	115	295	115	0	82	
			2	374	374	101	101		2	235	235	26	26		
27,6	28,0	0	1	188	471	188	0	38	1	116	311	116	0	89	
			2	388	388	95	95		2	245	245	25	25		
32,1	32,5	0	1	183	499	183	0	39	1	116	328	116	0	95	
			2	404	404	89	89		2	266	266	167	167		
36,6	37,0	10	1	227	530	227	0	41	1	246	354	246	137	102	
			2	445	445	106	106		2	323	323	169	169		
41,1	41,5	20	1	305	564	305	47	42	1	275	426	275	125	108	
			2	488	488	122	122		2	382	382	169	169		
45,6	46,0	30	1	335	614	335	55	44	1	305	502	305	108	115	
			2	533	533	137	137		2	444	444	166	166		
50,1	50,5	40	1	364	667	364	62	45	1	334	581	334	87	122	
			2	579	579	150	150		2	509	509	160	160		
54,6	55,0	50	1	399	721	399	77	48	1	369	669	369	69	131	
			2	627	627	171	171		2	581	581	157	157		
59,1	59,5	60	1	431	778	431	84	50	1	401	760	401	42	139	
			2	676	676	186	186		2	655	655	147	147		
63,6	64,0	75	1	476	850	476	102	52	1	446	869	446	23	147	
			2	740	740	211	211		2	745	745	147	147		
68,1	68,5	90	1	520	924	520	117	54	1	487	988	487	0	155	
			2	806	806	235	235		2	840	840	141	141		
72,6	73,0	100	1	558	985	558	130	57	1	485	1141	485	0	167	
			2	860	860	256	256		2	931	931	124	124		
77,1	77,5	120	1	616	1073	616	158	59	1	521	1302	521	0	177	
			2	939	939	292	292		2	1046	1046	125	125		
Attention! For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.															

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.5.4 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 480 Corner distance 8,0 m x 8,0 m Jib length 45 m

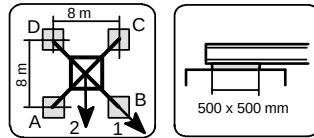
height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	0	1	207	405	207	9	34	1	148	284	148	13	61
			2	355	355	119	119		2	248	248	167	167	
18,6	19,0	0	1	242	421	242	63	35	1	153	295	153	11	78
			2	368	368	115	115		2	253	253	52	52	
23,1	23,5	0	1	213	439	213	0	37	1	157	307	157	8	83
			2	382	382	111	111		2	263	263	51	51	
27,6	28,0	0	1	209	465	209	0	38	1	162	320	162	4	90
			2	397	397	105	105		2	274	274	50	50	
32,1	32,5	0	1	204	493	204	0	40	1	166	334	166	0	96
			2	412	412	99	99		2	285	285	48	48	
36,6	37,0	5	1	223	525	223	0	41	1	242	364	242	121	103
			2	442	442	103	103		2	329	329	156	156	
41,1	41,5	10	1	239	560	239	0	43	1	260	424	260	95	109
			2	472	472	107	107		2	376	376	143	143	
45,6	46,0	25	1	332	611	332	52	44	1	302	513	302	90	116
			2	530	530	134	134		2	451	451	152	152	
50,1	50,5	35	1	361	665	361	57	46	1	331	594	331	68	123
			2	576	576	146	146		2	517	517	145	145	
54,6	55,0	45	1	396	719	396	72	48	1	366	683	366	49	132
			2	625	625	167	167		2	590	590	142	142	
59,1	59,5	55	1	428	777	428	79	50	1	398	775	398	21	140
			2	674	674	181	181		2	664	664	131	131	
63,6	64,0	70	1	472	849	472	96	52	1	442	885	442	0	148
			2	739	739	206	206		2	755	755	129	129	
68,1	68,5	85	1	517	924	517	110	54	1	459	1031	459	0	156
			2	805	805	229	229		2	852	852	122	122	
72,6	73,0	100	1	567	998	567	136	57	1	481	1185	481	0	168
			2	872	872	262	262		2	956	956	118	118	
77,1	77,5	120	1	625	1087	625	163	59	1	515	1349	515	0	178
			2	952	952	298	298		2	1072	1072	118	118	
Attention! For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.5.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 480 Corner distance 8,0 m x 8,0 m Jib length 50 m

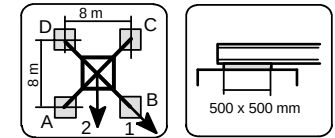
height under hook  [m]		center ballast  [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads				corner loads										
A [kN]	B [kN]	C [kN]	D [kN]	A [kN]	B [kN]	C [kN]	D [kN]							
14,1	14,5	0	1	238	402	238	74	34	1	147	301	147	0	61
			2	354	354	122	122		2	256	256	42	42	
18,6	19,0	0	1	242	418	242	67	35	1	150	315	150	0	79
			2	367	367	118	118		2	265	265	42	42	
23,1	23,5	0	1	247	436	247	58	37	1	151	330	151	0	84
			2	380	380	114	114		2	275	275	41	41	
27,6	28,0	0	1	252	455	252	49	38	1	152	348	152	0	90
			2	395	395	108	108		2	286	286	40	40	
32,1	32,5	0	1	256	475	256	37	40	1	151	367	151	0	97
			2	411	411	101	101		2	299	299	153	153	
36,6	37,0	0	1	212	499	212	0	41	1	150	388	150	0	103
			2	428	428	94	94		2	332	332	130	130	
41,1	41,5	5	1	229	534	229	0	43	1	248	434	248	61	110
			2	458	458	97	97		2	380	380	116	116	
45,6	46,0	20	1	320	597	320	43	44	1	290	524	290	55	117
			2	515	515	124	124		2	455	455	124	124	
50,1	50,5	30	1	349	650	349	49	46	1	319	606	319	33	123
			2	562	562	137	137		2	522	522	117	117	
54,6	55,0	40	1	384	704	384	63	48	1	354	695	354	13	132
			2	611	611	157	157		2	595	595	113	113	
59,1	59,5	50	1	416	762	416	70	50	1	371	803	371	0	140
			2	660	660	172	172		2	670	670	102	102	
63,6	64,0	65	1	461	834	461	87	52	1	393	936	393	0	148
			2	725	725	197	197		2	762	762	99	99	
68,1	68,5	85	1	518	922	518	114	54	1	433	1085	433	0	157
			2	803	803	232	232		2	871	871	104	104	
72,6	73,0	105	1	580	1008	580	152	57	1	481	1240	481	0	169
			2	883	883	278	278		2	989	989	112	112	
77,1	77,5	130	1	651	1110	651	192	59	1	539	1406	539	0	178
			2	975	975	326	326		2	1118	1118	123	123	
Attention! For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.5.5 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 480 Corner distance 8,0 m x 8,0 m Jib length 55 m

height under hook  		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force	jib position	crane out of service torque moment: 0 kNm				horizontal force
[m]	[m]	[t]		corner loads						corner loads				
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,1	14,5	0	1	224	426	224	22	34	1	109	387	109	0	62
			2	367	367	81	81		2	289	289	14	14	
18,6	19,0	0	1	228	441	228	16	35	1	111	402	111	0	80
			2	379	379	78	78		2	298	298	14	14	
23,1	23,5	0	1	233	457	233	8	37	1	112	418	112	0	85
			2	392	392	74	74		2	308	308	13	13	
27,6	28,0	5	1	250	488	250	12	38	1	137	436	137	0	91
			2	418	418	82	82		2	332	332	23	23	
32,1	32,5	5	1	255	507	255	2	40	1	136	456	136	0	98
			2	433	433	76	76		2	343	343	21	21	
36,6	37,0	5	1	250	538	250	0	41	1	134	478	134	0	105
			2	449	449	69	69		2	356	356	17	17	
41,1	41,5	5	1	240	575	240	0	43	1	131	503	131	0	111
			2	467	467	60	60		2	391	391	136	136	
45,6	46,0	15	1	279	615	279	0	44	1	176	531	176	0	118
			2	511	511	75	75		2	455	455	131	131	
50,1	50,5	30	1	335	666	335	4	46	1	335	618	335	53	124
			2	569	569	101	101		2	535	535	136	136	
54,6	55,0	40	1	370	719	370	20	48	1	370	707	370	33	134
			2	617	617	123	123		2	608	608	131	131	
59,1	59,5	50	1	402	775	402	29	50	1	402	801	402	3	141
			2	666	666	138	138		2	684	684	120	120	
63,6	64,0	65	1	447	846	447	47	52	1	426	934	426	0	149
			2	729	729	164	164		2	777	777	116	116	
68,1	68,5	80	1	491	920	491	62	54	1	439	1086	439	0	158
			2	794	794	188	188		2	875	875	107	107	
72,6	73,0	100	1	554	1005	554	102	57	1	485	1244	485	0	170
			2	873	873	234	234		2	993	993	114	114	
77,1	77,5	125	1	624	1105	624	143	59	1	542	1414	542	0	179
			2	964	964	284	284		2	1124	1124	124	124	

Attention!

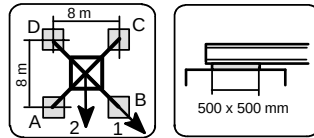
For the **WOLFF 6531.6** or **.8** only the column  for the hook height is valid.

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.5.7 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 480 Corner distance 8,0 m x 8,0 m Jib length 60 m

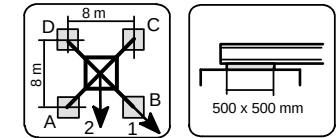
height under hook  [m]		center ballast  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads						corner loads										
A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]							
14,1	14,5	5	1	236	431	236	42	34	1	127	403	127	0	63		
			2	374	374	99	99		2	307	307	21	21			
18,6	19,0	5	1	241	446	241	36	35	1	128	417	128	0	81		
			2	386	386	96	96		2	316	316	21	21			
23,1	23,5	5	1	245	462	245	29	37	1	129	434	129	0	85		
			2	399	399	92	92		2	326	326	20	20			
27,6	28,0	5	1	250	480	250	20	38	1	129	452	129	0	92		
			2	413	413	87	87		2	337	337	18	18			
32,1	32,5	5	1	255	500	255	10	40	1	128	472	128	0	99		
			2	428	428	81	81		2	349	349	15	15			
36,6	37,0	10	1	272	533	272	10	41	1	151	495	151	0	105		
			2	456	456	87	87		2	379	379	164	164			
41,1	41,5	10	1	273	559	273	0	43	1	148	520	148	0	112		
			2	474	474	78	78		2	415	415	137	137			
45,6	46,0	15	1	287	599	287	0	44	1	168	548	168	0	118		
			2	505	505	81	81		2	467	467	119	119			
50,1	50,5	25	1	323	645	323	0	46	1	323	623	323	23	125		
			2	551	551	95	95		2	535	535	111	111			
54,6	55,0	35	1	357	698	357	16	48	1	357	713	357	2	134		
			2	599	599	116	116		2	609	609	106	106			
59,1	59,5	50	1	402	767	402	37	50	1	386	836	386	0	142		
			2	660	660	144	144		2	698	698	106	106			
63,6	64,0	60	1	434	825	434	43	52	1	382	973	382	0	150		
			2	711	711	158	158		2	778	778	90	90			
68,1	68,5	85	1	504	924	504	84	54	1	444	1127	444	0	159		
			2	801	801	266	266		2	902	902	105	105			
72,6	73,0	105	1	566	1009	566	124	57	1	490	1285	490	0	170		
			2	881	881	311	311		2	1020	1020	112	112			

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.3.5.8 Center ballasts and corner loads acc. to DIN 15019

for a stationary tower crane on a cross frame
without climbing drive



KRE 480 Corner distance 8,0 m x 8,0 m Jib length 65 m

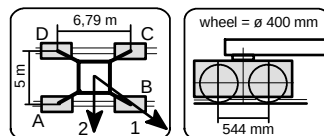
height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads		corner loads												
A [kN]	B [kN]	C [kN]	D [kN]	A [kN]	B [kN]	C [kN]	D [kN]							
14,1	14,5	20	1	283	463	283	103	34	1	159	498	159	0	63
			2	417	417	209	209		2	380	380	28	28	
18,6	19,0	20	1	288	478	288	97	36	1	161	513	161	0	81
			2	430	430	205	205		2	390	390	27	27	
23,1	23,5	20	1	292	495	292	90	37	1	161	530	161	0	86
			2	444	444	201	201		2	400	400	25	25	
27,6	28,0	20	1	327	513	327	140	39	1	161	549	161	0	93
			2	458	458	195	195		2	412	412	23	23	
32,1	32,5	20	1	331	534	331	129	40	1	159	571	159	0	99
			2	474	474	188	188		2	424	424	20	20	
36,6	37,0	25	1	348	569	348	128	42	1	181	595	181	0	106
			2	504	504	193	193		2	450	450	29	29	
41,1	41,5	25	1	353	593	353	113	43	1	177	622	177	0	113
			2	523	523	183	183		2	480	480	165	165	
45,6	46,0	25	1	357	620	357	95	45	1	171	651	171	0	119
			2	543	543	172	172		2	521	521	134	134	
50,1	50,5	30	1	374	662	374	87	46	1	189	684	189	0	126
			2	578	578	171	171		2	577	577	112	112	
54,6	55,0	30	1	384	692	384	77	49	1	323	771	323	0	135
			2	602	602	167	167		2	627	627	81	81	
59,1	59,5	45	1	429	762	429	95	51	1	348	900	348	0	143
			2	665	665	193	193		2	717	717	80	80	
63,6	64,0	70	1	498	861	498	135	52	1	416	1041	416	0	151
			2	755	755	242	242		2	837	837	100	100	
68,1	68,5	90	1	555	950	555	160	54	1	451	1200	451	0	160
			2	835	835	276	276		2	950	950	101	101	
72,6	73,0	115	1	630	1050	630	211	57	1	521	1360	521	0	171
			2	927	927	333	333		2	1081	1081	119	119	

Attention!

For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.

3.4.1.1 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

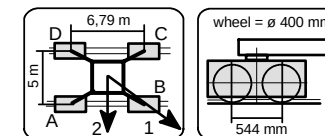
Corner distance 5 m x 6,79 m

Jib length 30 m

[illegible]

3.4.1.2 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

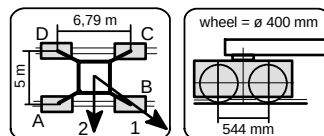
Corner distance 5 m x 6,79 m

Jib length 35 m

[illegible]

3.4.1.3 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

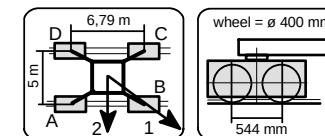
Corner distance 5 m x 6,79 m

Jib length 40 m

[illegible]

3.4.1.4 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

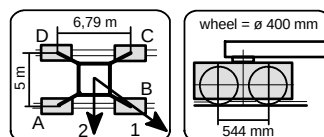
Corner distance 5 m x 6,79 m

Jib length 45 m

[illegible]

3.4.1.5 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

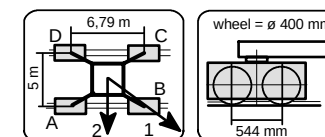
Corner distance 5 m x 6,79 m

Jib length 50 m

[illegible]

3.4.1.6 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

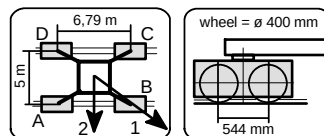
Corner distance 5 m x 6,79 m

Jib length 55 m

[illegible]

3.4.1.7 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

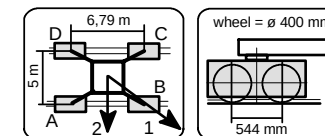
Corner distance 5 m x 6,79 m

Jib length 60 m

[illegible]

3.4.1.8 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

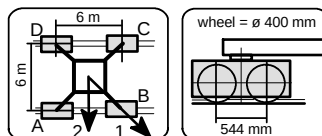
Corner distance 5 m x 6,79 m

Jib length 65 m

[illegible]

3.4.2.1 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

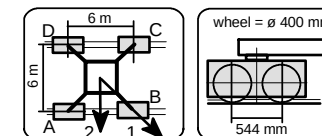
Corner distance 6,0 m x 6,0 m

Jib length 30 m

[illegible]

3.4.2.2 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

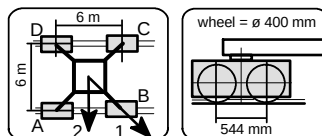
Corner distance 6,0 m x 6,0 m

Jib length 35 m

[illegible]

3.4.2.3 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

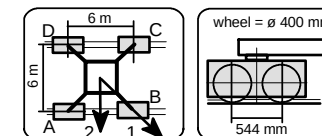
Corner distance 6,0 m x 6,0 m

Jib length 40 m

[illegible]

3.4.2.4 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

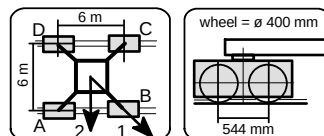
Corner distance 6,0 m x 6,0 m

Jib length 45 m

[illegible]

3.4.2.5 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

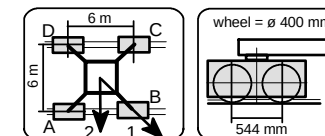
Corner distance 6,0 m x 6,0 m

Jib length 50 m

[illegible]

3.4.2.6 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

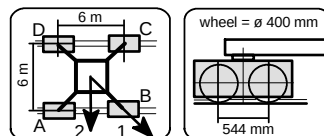
Corner distance 6,0 m x 6,0 m

Jib length 55 m

[illegible]

3.4.2.7 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

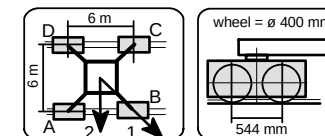
Corner distance 6,0 m x 6,0 m

Jib length 60 m

[illegible]

3.4.2.8 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.1

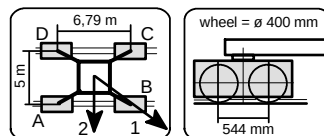
Corner distance 6,0 m x 6,0 m

Jib length 65 m

[illegible]

3.4.3.1 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

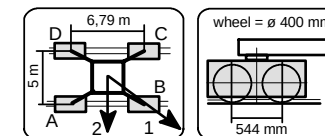
Corner distance 5 m x 6,79 m

Jib length 30 m

[illegible]

3.4.3.2 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

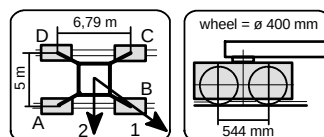
Corner distance 5 m x 6,79 m

Jib length 35 m

[illegible]

3.4.3.3 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

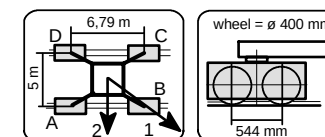
Corner distance 5 m x 6,79 m

Jib length 40 m

[illegible]

3.4.3.4 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

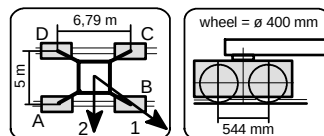
Corner distance 5 m x 6,79 m

Jib length 45 m

[illegible]

3.4.3.5 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

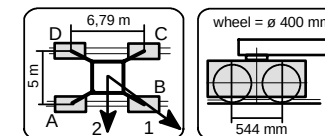
Corner distance 5 m x 6,79 m

Jib length 50 m

[illegible]

3.4.3.6 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

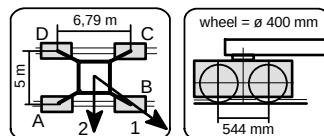
Corner distance 5 m x 6,79 m

Jib length 55 m

[illegible]

3.4.3.7 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

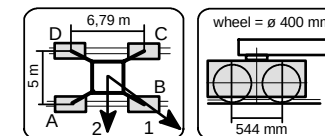
Corner distance 5 m x 6,79 m

Jib length 60 m

[illegible]

3.4.3.8 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

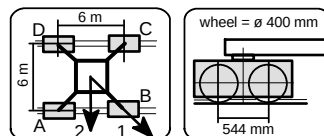
Corner distance 5 m x 6,79 m

Jib length 65 m

[illegible]

3.4.4.1 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

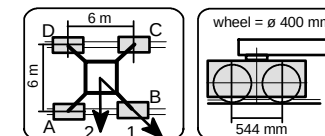
Corner distance 6,0 m x 6,0 m

Jib length 30 m

[illegible]

3.4.4.2 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

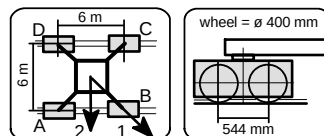
Corner distance 6,0 m x 6,0 m

Jib length 35 m

[illegible]

3.4.4.3 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

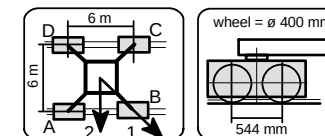
Corner distance 6,0 m x 6,0 m

Jib length 40 m

[illegible]

3.4.4.4 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

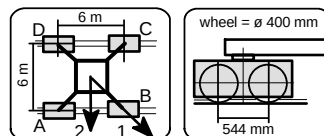
Corner distance 6,0 m x 6,0 m

Jib length 45 m

[illegible]

3.4.4.5 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

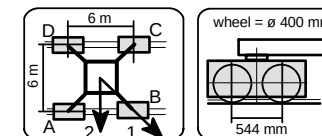
Corner distance 6,0 m x 6,0 m

Jib length 50 m

[illegible]

3.4.4.6 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

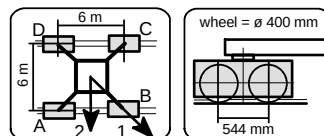
Corner distance 6,0 m x 6,0 m

Jib length 55 m

[illegible]

3.4.4.7 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

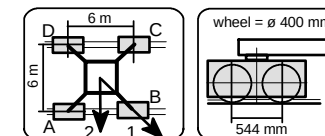
Corner distance 6,0 m x 6,0 m

Jib length 60 m

[illegible]

3.4.4.8 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.2

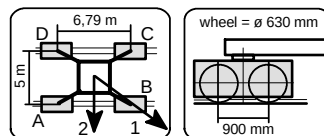
Corner distance 6,0 m x 6,0 m

Jib length 65 m

[illegible]

3.4.5.1 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

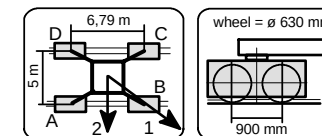
Corner distance 5 m x 6,79 m

Jib length 30 m

[illegible]

3.4.5.2 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

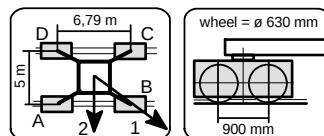
Corner distance 5 m x 6,79 m

Jib length 35 m

[illegible]

3.4.5.3 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

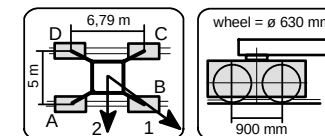
Corner distance 5 m x 6,79 m

Jib length 40 m

[illegible]

3.4.5.4 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

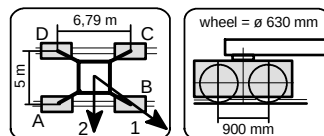
Corner distance 5 m x 6,79 m

Jib length 45 m

[illegible]

3.4.5.5 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

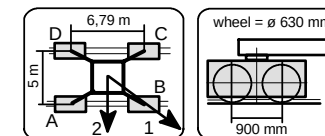
Corner distance 5 m x 6,79 m

Jib length 50 m

[illegible]

3.4.5.6 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

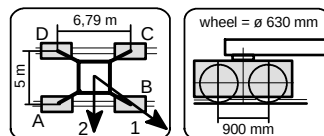
Corner distance 5 m x 6,79 m

Jib length 55 m

[illegible]

3.4.5.7 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

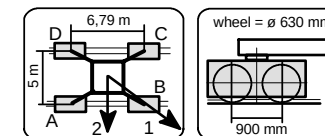
Corner distance 5 m x 6,79 m

Jib length 60 m

[illegible]

3.4.5.8 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

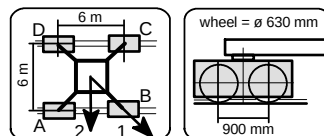
Corner distance 5 m x 6,79 m

Jib length 65 m

[illegible]

3.4.6.1 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

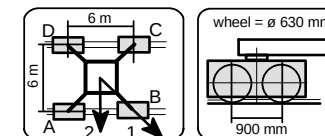
Corner distance 6,0 m x 6,0 m

Jib length 30 m

[illegible]

3.4.6.2 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

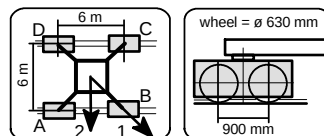
Corner distance 6,0 m x 6,0 m

Jib length 35 m

height under hook		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force	jib position	crane out of service torque moment: 0 kNm				horizontal force
				corner loads						corner loads				
[m]	[m]			[t]	A [kN]	B [kN]	C [kN]			D [kN]	A [kN]	B [kN]	C [kN]	
14,6	15,0	40	1	252	576	252	15	39	1	206	385	206	27	5
			2	472	472	75	75		2	342	342	206	206	
19,1	19,5	40	1	245	609	245	15	41	1	211	398	211	23	7
			2	489	489	128	128		2	343	343	78	78	
23,6	24,0	40	1	236	645	236	15	43	1	215	413	215	18	8
			2	508	508	118	118		2	355	355	76	76	
28,1	28,5	45	1	250	685	250	15	44	1	232	440	232	24	8
			2	541	541	119	119		2	379	379	85	85	
32,6	33,0	50	1	263	728	263	15	46	1	249	469	249	29	9
			2	576	576	119	119		2	405	405	94	94	
37,1	37,5	60	1	298	776	298	15	48	1	279	512	279	46	10
			2	624	624	129	129		2	448	448	246	246	
41,6	42,0	70	1	331	828	331	15	49	1	376	575	376	178	10
			2	674	674	138	138		2	517	517	236	236	
46,1	46,5	85	1	386	885	386	15	51	1	418	678	418	159	11
			2	739	739	157	157		2	602	602	235	235	
50,6	51,0	100	1	439	948	439	15	53	1	460	786	460	134	12
			2	806	806	174	174		2	691	691	230	230	
55,1	55,5	115	1	537	1015	537	59	55	1	507	904	507	111	12
			2	875	875	199	199		2	788	788	227	227	

3.4.6.3 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

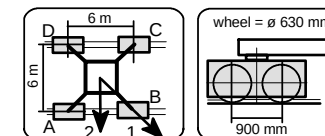
Corner distance 6,0 m x 6,0 m

Jib length 40 m

[illegible]

3.4.6.4 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

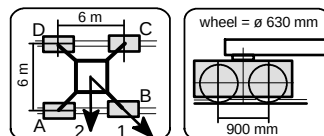
Corner distance 6,0 m x 6,0 m

Jib length 45 m

[illegible]

3.4.6.5 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

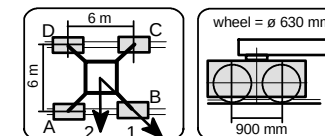
Corner distance 6,0 m x 6,0 m

Jib length 50 m

[illegible]

3.4.6.6 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

Corner distance 6,0 m x 6,0 m

Jib length 55 m

height under hook		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,6	15,0	35	1	293	582	293	15	41	1	172	534	172	15	60
			2	496	496	95	95		2	407	407	40	40	
19,1	19,5	35	1	284	618	284	15	43	1	171	553	171	15	77
			2	513	513	87	87		2	418	418	38	38	
23,6	24,0	35	1	273	657	273	15	44	1	170	575	170	15	84
			2	532	532	78	78		2	430	430	34	34	
28,1	28,5	40	1	286	701	286	15	46	1	192	599	192	15	91
			2	564	564	79	79		2	456	456	43	43	
32,6	33,0	40	1	271	749	271	15	48	1	187	626	187	15	97
			2	586	586	67	67		2	470	470	38	38	
37,1	37,5	45	1	278	802	278	15	49	1	206	656	206	15	104
			2	622	622	65	65		2	498	498	44	44	
41,6	42,0	55	1	308	861	308	15	51	1	249	690	249	15	110
			2	672	672	74	74		2	550	550	196	196	
46,1	46,5	70	1	360	926	360	15	53	1	415	731	415	99	117
			2	737	737	93	93		2	638	638	192	192	
50,6	51,0	90	1	433	998	433	15	54	1	470	857	470	82	124
			2	817	817	122	122		2	743	743	196	196	
55,1	55,5	100	1	472	1058	472	15	57	1	504	965	504	43	133
			2	873	873	135	135		2	830	830	178	178	
59,6	60,0	120	1	548	1134	548	15	60	1	561	1106	561	17	141
			2	957	957	166	166		2	946	946	176	176	
Attention! For the WOLFF 6531.6 or .8 only the column  for the hook height is valid.														

WOLFF 6531

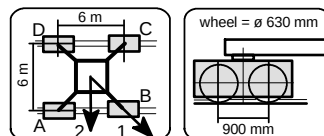
CCplus and series

Static data

3 / 131

3.4.6.7 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

Corner distance 6,0 m x 6,0 m

Jib length 60 m

height under hook		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
				corner loads						corner loads				
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
14,6	15,0	35	1	296	569	296	22	41	1	162	555	162	15	60
			2	489	489	102	102		2	414	414	32	32	
19,1	19,5	40	1	313	604	313	21	43	1	186	574	186	15	78
			2	519	519	107	107		2	438	438	43	43	
23,6	24,0	40	1	309	637	309	15	44	1	184	596	184	15	85
			2	537	537	97	97		2	450	450	39	39	
28,1	28,5	40	1	296	681	296	15	46	1	181	620	181	15	91
			2	557	557	87	87		2	463	463	35	35	
32,6	33,0	45	1	306	729	306	15	48	1	201	648	201	15	98
			2	591	591	87	87		2	490	490	43	43	
37,1	37,5	45	1	289	781	289	15	50	1	195	678	195	15	104
			2	614	614	73	73		2	506	506	36	36	
41,6	42,0	50	1	294	839	294	15	51	1	213	712	213	15	111
			2	652	652	69	69		2	553	553	168	168	
46,1	46,5	65	1	346	904	346	15	53	1	278	749	278	15	118
			2	717	717	88	88		2	642	642	163	163	
50,6	51,0	85	1	419	975	419	15	55	1	457	868	457	46	124
			2	797	797	118	118		2	748	748	167	167	
55,1	55,5	95	1	458	1035	458	15	57	1	483	986	483	15	133
			2	852	852	131	131		2	835	835	149	149	
59,6	60,0	115	1	535	1111	535	15	60	1	513	1154	513	15	141
			2	936	936	161	161		2	952	952	146	146	

Attention!

For the **WOLFF 6531.6** or **.8** only the column for the hook height is valid.

WOLFF 6531

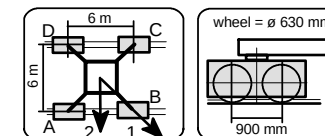
CCplus and series

Static data

3 / 132

3.4.6.8 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive



UW 260.3

Corner distance 6,0 m x 6,0 m

Jib length 65 m

height under hook		center ballast	jib position	crane in service torque moment: 320 kNm				horizontal force	jib position	crane out of service torque moment: 0 kNm				horizontal force
				corner loads						corner loads				
[m]	[m]			A	B	C	D			A	B	C	D	
[kN]	[kN]			[kN]	[kN]	[kN]	[kN]			[kN]	[kN]	[kN]	[kN]	
14,6	15,0	55	1	355	610	355	100	42	1	203	681	203	15	6
			2	536	536	234	234		2	511	511	40	40	
19,1	19,5	55	1	359	632	359	86	43	1	202	701	202	15	7
			2	555	555	224	224		2	523	523	38	38	
23,6	24,0	60	1	377	669	377	84	45	1	225	724	225	15	8
			2	588	588	225	225		2	548	548	47	47	
28,1	28,5	60	1	381	696	381	66	47	1	221	750	221	15	9
			2	609	609	213	213		2	562	562	42	42	
32,6	33,0	65	1	398	737	398	59	48	1	241	779	241	15	9
			2	645	645	211	211		2	589	589	49	49	
37,1	37,5	65	1	433	769	433	96	50	1	234	811	234	15	10
			2	671	671	195	195		2	605	605	42	42	
41,6	42,0	70	1	450	819	450	80	52	1	250	847	250	15	11
			2	711	711	189	189		2	637	637	202	202	
46,1	46,5	75	1	467	872	467	61	54	1	264	887	264	15	11
			2	753	753	180	180		2	702	702	171	171	
50,6	51,0	80	1	429	943	429	15	55	1	276	931	276	15	12
			2	799	799	169	169		2	772	772	136	136	
55,1	55,5	90	1	468	1004	468	15	58	1	436	1067	436	15	13
			2	857	857	180	180		2	860	860	117	117	
59,6	60,0	115	1	588	1110	588	66	60	1	488	1240	488	15	14
			2	957	957	219	219		2	991	991	125	125	

Attention!  for the hook height is valid.

For the **WOLFF 6531.6** or **.8** only the column  for the hook height is valid.

3.4.7.1 Center ballasts and corner loads acc. to DIN 15019

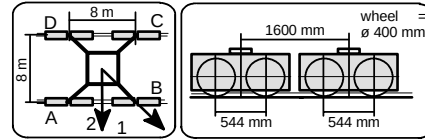
for a travelling tower crane on an undercarriage without climbing drive

Attention!

For the WOLFF 6531.6 or

WOLFF 6531.8 only the column

for the hook height is valid.



UW 480			Corner distance 8,0 m x 8,0 m							Jib length 30 m						
height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]		
[m]	[m]			corner loads						corner loads						
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]			
15,1	15,5	5	1	197	452	197	24	41	1	218	296	218	140	59		
			2	376	376	120	120		2	273	273	163	163			
19,6	20,0	5	1	195	476	195	24	43	1	162	307	162	24	76		
			2	390	390	114	114		2	264	264	64	64			
24,1	24,5	5	1	190	502	190	24	44	1	163	322	163	24	82		
			2	406	406	108	108		2	273	273	63	63			
28,6	29,0	5	1	185	531	185	24	46	1	165	338	165	24	89		
			2	422	422	101	101		2	284	284	62	62			
33,1	33,5	10	1	203	563	203	24	48	1	190	356	190	24	95		
			2	452	452	105	105		2	307	307	73	73			
37,6	38,0	20	1	245	598	245	24	49	1	219	395	219	44	102		
			2	495	495	121	121		2	349	349	207	207			
42,1	42,5	30	1	285	636	285	24	51	1	308	449	308	166	109		
			2	540	540	135	135		2	408	408	207	207			
46,6	47,0	40	1	323	678	323	24	53	1	337	524	337	150	115		
			2	586	586	148	148		2	469	469	205	205			
51,1	51,5	50	1	397	733	397	61	55	1	367	603	367	130	122		
			2	634	634	159	159		2	534	534	200	200			
55,6	56,0	60	1	431	790	431	73	57	1	401	690	401	112	131		
			2	685	685	178	178		2	606	606	197	197			
60,1	60,5	70	1	463	850	463	77	60	1	433	780	433	87	139		
			2	737	737	190	190		2	679	679	188	188			
64,6	65,0	85	1	508	925	508	91	62	1	478	889	478	67	148		
			2	803	803	213	213		2	768	768	187	187			
69,1	69,5	100	1	553	1002	553	103	64	1	523	1003	523	42	156		
			2	871	871	234	234		2	862	862	183	183			
73,6	74,0	110	1	590	1068	590	112	67	1	539	1137	539	24	168		
			2	928	928	252	252		2	953	953	167	167			
78,1	78,5	130	1	648	1160	648	136	70	1	576	1295	576	24	177		
			2	1010	1010	286	286		2	1067	1067	169	169			

3.4.7.2 Center ballasts and corner loads acc. to DIN 15019

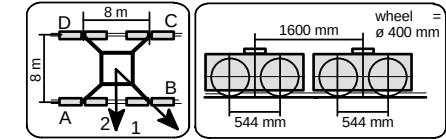
for a travelling tower crane on an undercarriage without climbing drive

Attention!

For the WOLFF 6531.6 or

WOLFF 6531.8 only the column

for the hook height is valid.



UW 480		Corner distance 8,0 m x 8,0 m							Jib length 35 m						
height under hook  		center ballast		jib position	crane in service torque moment: 320 kNm				horizontal force	jib position	crane in service torque moment: 0 kNm				horizontal force
[m]	[m]	[t]	corner loads				corner loads								
				A [kN]	B [kN]	C [kN]	D [kN]	[kN]		A [kN]	B [kN]	C [kN]	D [kN]	[kN]	
15,1	15,5	0	1	192	449	192	24	42	1	134	295	134	24	60	
			2	372	372	117	117		2	264	264	165	165		
19,6	20,0	0	1	189	474	189	24	43	1	136	308	136	24	77	
			2	386	386	112	112		2	252	252	51	51		
24,1	24,5	0	1	184	501	184	24	45	1	138	323	138	24	83	
			2	402	402	105	105		2	261	261	50	50		
28,6	29,0	0	1	178	531	178	24	47	1	139	339	139	24	90	
			2	418	418	98	98		2	272	272	49	49		
33,1	33,5	5	1	196	564	196	24	48	1	164	357	164	24	96	
			2	448	448	102	102		2	297	297	194	194		
37,6	38,0	15	1	237	600	237	24	50	1	275	386	275	163	103	
			2	492	492	117	117		2	354	354	196	196		
42,1	42,5	25	1	277	639	277	24	52	1	304	458	304	150	110	
			2	537	537	131	131		2	413	413	195	195		
46,6	47,0	35	1	314	682	314	24	53	1	334	534	334	134	116	
			2	584	584	144	144		2	475	475	192	192		
51,1	51,5	45	1	393	732	393	55	55	1	363	614	363	113	123	
			2	633	633	154	154		2	540	540	187	187		
55,6	56,0	55	1	428	790	428	66	58	1	398	701	398	94	132	
			2	684	684	172	172		2	613	613	183	183		
60,1	60,5	65	1	460	850	460	70	60	1	430	792	430	68	140	
			2	736	736	184	184		2	686	686	174	174		
64,6	65,0	80	1	505	926	505	83	62	1	475	902	475	47	149	
			2	803	803	207	207		2	777	777	172	172		
69,1	69,5	95	1	549	1005	549	94	65	1	515	1022	515	24	157	
			2	871	871	227	227		2	872	872	167	167		
73,6	74,0	110	1	599	1083	599	115	68	1	538	1176	538	24	169	
			2	941	941	257	257		2	976	976	162	162		
78,1	78,5	125	1	645	1164	645	125	71	1	549	1337	549	24	178	
			2	1012	1012	277	277		2	1079	1079	151	151		

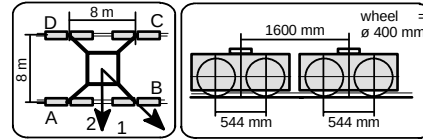
3.4.7.3 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive

Attention!

For the WOLFF 6531.6 or

WOLFF 6531.8 only the column
for the hook height is valid.



UW 480		Corner distance 8,0 m x 8,0 m							Jib length 40 m						
height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]	
[m]	[m]			corner loads						corner loads					
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]		
15,1	15,5	0	1	209	450	209	24	42	1	133	296	133	24	60	
			2	382	382	124	124		2	267	267	178	178		
19,6	20,0	0	1	205	475	205	24	44	1	136	309	136	24	77	
			2	396	396	119	119		2	252	252	51	51		
24,1	24,5	0	1	200	503	200	24	45	1	138	324	138	24	84	
			2	412	412	112	112		2	262	262	50	50		
28,6	29,0	0	1	194	533	194	24	47	1	138	340	138	24	90	
			2	429	429	104	104		2	272	272	49	49		
33,1	33,5	5	1	212	567	212	24	49	1	164	358	164	24	97	
			2	459	459	108	108		2	311	311	196	196		
37,6	38,0	10	1	227	604	227	24	51	1	271	391	271	151	104	
			2	491	491	110	110		2	356	356	186	186		
42,1	42,5	20	1	266	644	266	24	52	1	300	463	300	137	110	
			2	537	537	124	124		2	416	416	185	185		
46,6	47,0	30	1	303	689	303	24	54	1	330	539	330	120	117	
			2	584	584	136	136		2	478	478	182	182		
51,1	51,5	40	1	338	738	338	24	56	1	359	620	359	99	123	
			2	633	633	146	146		2	544	544	175	175		
55,6	56,0	50	1	424	792	424	56	58	1	394	709	394	79	133	
			2	684	684	164	164		2	616	616	172	172		
60,1	60,5	65	1	469	866	469	71	61	1	439	813	439	64	141	
			2	750	750	187	187		2	703	703	174	174		
64,6	65,0	80	1	513	943	513	83	63	1	483	924	483	42	149	
			2	817	817	209	209		2	795	795	172	172		
69,1	69,5	95	1	558	1023	558	92	65	1	518	1050	518	24	158	
			2	887	887	229	229		2	890	890	165	165		
73,6	74,0	105	1	595	1089	595	101	68	1	515	1205	515	24	169	
			2	945	945	246	246		2	983	983	148	148		
78,1	78,5	125	1	653	1184	653	123	71	1	550	1369	550	24	179	
			2	1028	1028	278	278		2	1098	1098	148	148		

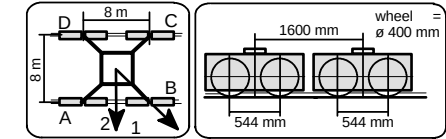
3.4.7.4 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive

Attention!

For the WOLFF 6531.6 or

WOLFF 6531.8 only the column
for the hook height is valid.



UW 480		Corner distance 8,0 m x 8,0 m							Jib length 45 m						
height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane in service torque moment: 0 kNm				horizontal force [kN]	
[m]	[m]			corner loads						corner loads					
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]		
15,1	15,5	0	1	230	444	230	24	43	1	173	310	173	36	61	
			2	390	390	134	134		2	270	270	76	76		
19,6	20,0	0	1	226	470	226	24	44	1	178	322	178	34	78	
			2	405	405	128	128		2	280	280	76	76		
24,1	24,5	0	1	221	498	221	24	46	1	182	334	182	31	85	
			2	421	421	121	121		2	290	290	75	75		
28,6	29,0	0	1	215	529	215	24	48	1	187	347	187	27	91	
			2	438	438	113	113		2	300	300	74	74		
33,1	33,5	0	1	207	564	207	24	49	1	189	364	189	24	98	
			2	456	456	104	104		2	317	317	184	184		
37,6	38,0	5	1	222	602	222	24	51	1	267	401	267	134	105	
			2	488	488	106	106		2	362	362	173	173		
42,1	42,5	15	1	260	643	260	24	53	1	297	474	297	120	111	
			2	534	534	120	120		2	422	422	172	172		
46,6	47,0	25	1	296	689	296	24	54	1	327	551	327	102	118	
			2	582	582	131	131		2	486	486	168	168		
51,1	51,5	40	1	399	746	399	51	56	1	369	646	369	92	124	
			2	644	644	153	153		2	564	564	173	173		
55,6	56,0	45	1	421	793	421	49	59	1	391	722	391	59	134	
			2	684	684	158	158		2	625	625	156	156		
60,1	60,5	60	1	465	867	465	63	61	1	435	828	435	43	142	
			2	750	750	181	181		2	713	713	158	158		
64,6	65,0	75	1	510	945	510	74	63	1	475	945	475	24	150	
			2	818	818	202	202		2	805	805	154	154		
69,1	69,5	90	1	554	1027	554	82	66	1	490	1094	490	24	159	
			2	888	888	221	221		2	902	902	146	146		
73,6	74,0	105	1	604	1106	604	103	69	1	511	1250	511	24	170	
			2	959	959	250	250		2	1008	1008	141	141		
78,1	78,5	130	1	675	1214	675	136	72	1	569	1417	569	24	180	
			2	1056	1056	294	294		2	1137	1137	152	152		

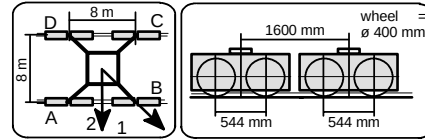
3.4.7.5 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive

Attention!

For the WOLFF 6531.6 or

WOLFF 6531.8 only the column
hook for the hook height is valid.



UW 480	Corner distance 8,0 m x 8,0 m	Jib length 50 m
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height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane out of service torque moment: 0 kNm				horizontal force [kN]
corner loads				corner loads										
A [kN]	B [kN]			C [kN]	D [kN]	A [kN]	B [kN]			C [kN]	D [kN]			
15,1	15,5	0	1	263	441	263	85	43	1	171	330	171	24	61
			2	389	389	137	137		2	282	282	66	66	
19,6	20,0	0	1	267	460	267	75	45	1	173	344	173	24	79
			2	404	404	131	131		2	291	291	66	66	
24,1	24,5	0	1	272	481	272	63	46	1	174	359	174	24	86
			2	420	420	124	124		2	301	301	65	65	
28,6	29,0	0	1	229	505	229	24	48	1	174	377	174	24	92
			2	437	437	116	116		2	312	312	63	63	
33,1	33,5	0	1	221	539	221	24	50	1	174	396	174	24	99
			2	455	455	107	107		2	332	332	170	170	
37,6	38,0	0	1	211	576	211	24	51	1	172	418	172	24	105
			2	474	474	97	97		2	365	365	146	146	
42,1	42,5	10	1	249	617	249	24	53	1	285	484	285	86	112
			2	521	521	110	110		2	426	426	144	144	
46,6	47,0	20	1	286	663	286	24	55	1	315	562	315	67	118
			2	568	568	121	121		2	490	490	140	140	
51,1	51,5	35	1	387	732	387	42	56	1	357	657	357	56	125
			2	631	631	143	143		2	569	569	144	144	
55,6	56,0	40	1	409	778	409	40	59	1	377	736	377	24	134
			2	670	670	148	148		2	630	630	127	127	
60,1	60,5	55	1	453	853	453	54	61	1	405	860	405	24	142
			2	736	736	171	171		2	719	719	128	128	
64,6	65,0	70	1	498	931	498	65	64	1	425	997	425	24	151
			2	804	804	192	192		2	812	812	124	124	
69,1	69,5	90	1	555	1024	555	86	66	1	464	1147	464	24	159
			2	887	887	223	223		2	922	922	128	128	
73,6	74,0	110	1	618	1116	618	119	69	1	510	1305	510	24	171
			2	970	970	265	265		2	1040	1040	135	135	

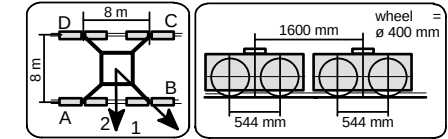
3.4.7.6 Center ballasts and corner loads acc. to DIN 15019

for a travelling tower crane on an undercarriage without climbing drive

Attention!

For the WOLFF 6531.6 or

WOLFF 6531.8 only the column
hook for the hook height is valid.



UW 480	Corner distance 8,0 m x 8,0 m	Jib length 55 m
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height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm					horizontal force [kN]	jib position	crane in service torque moment: 0 kNm					horizontal force [kN]
corner loads					corner loads											
A [kN]	B [kN]			C [kN]	D [kN]	A [kN]	B [kN]	C [kN]			D [kN]					
[m]	[m]															
15,1	15,5	0	1	249	463	249	34	44	1	132	416	132	24	62		
			2	401	401	97	97		2	315	315	38	38			
19,6	20,0	0	1	253	482	253	25	45	1	134	430	134	24	80		
			2	415	415	92	92		2	324	324	37	37			
24,1	24,5	5	1	270	513	270	27	47	1	160	447	160	24	87		
			2	442	442	99	99		2	347	347	49	49			
28,6	29,0	5	1	266	544	266	24	49	1	160	465	160	24	93		
			2	458	458	91	91		2	358	358	47	47			
33,1	33,5	5	1	257	580	257	24	50	1	159	486	159	24	100		
			2	476	476	83	83		2	370	370	44	44			
37,6	38,0	5	1	246	620	246	24	52	1	157	508	157	24	106		
			2	495	495	74	74		2	389	389	179	179			
42,1	42,5	10	1	258	664	258	24	54	1	178	534	178	24	113		
			2	527	527	75	75		2	438	438	165	165			
46,6	47,0	20	1	293	713	293	24	55	1	331	573	331	88	120		
			2	574	574	87	87		2	502	502	159	159			
51,1	51,5	30	1	325	767	325	24	57	1	360	657	360	64	126		
			2	623	623	98	98		2	570	570	151	151			
55,6	56,0	40	1	371	813	371	24	60	1	395	747	395	42	135		
			2	674	674	116	116		2	644	644	146	146			
60,1	60,5	55	1	431	870	431	24	62	1	439	855	439	24	143		
			2	738	738	140	140		2	733	733	146	146			
64,6	65,0	70	1	484	938	484	30	64	1	458	996	458	24	152		
			2	805	805	163	163		2	827	827	141	141			
69,1	69,5	85	1	529	1018	529	39	66	1	470	1150	470	24	160		
			2	875	875	242	242		2	926	926	131	131			
73,6	74,0	105	1	591	1108	591	74	70	1	515	1310	515	24	172		
			2	959	959	283	283		2	1045	1045	137	137			

3.4.7.7 Center ballasts and corner loads acc. to DIN 15019

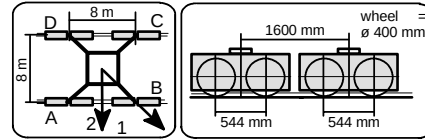
for a travelling tower crane on an undercarriage without climbing drive

Attention!

For the WOLFF 6531.6 or

WOLFF 6531.8 only the column

for the hook height is valid.



UW 480	Corner distance 8,0 m x 8,0 m	Jib length 60 m
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height under hook  [m]		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force	jib position	crane out of service torque moment: 0 kNm				horizontal force
				corner loads						corner loads				
				A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
15,1	15,5	5	1	261	469	261	54	44	1	150	431	150	24	63
			2	408	408	115	115		2	333	333	45	45	
19,6	20,0	5	1	266	487	266	45	45	1	152	446	152	24	81
			2	422	422	110	110		2	342	342	44	44	
24,1	24,5	5	1	270	506	270	35	47	1	152	463	152	24	87
			2	437	437	104	104		2	353	353	43	43	
28,6	29,0	5	1	274	528	274	24	49	1	152	481	152	24	94
			2	453	453	97	97		2	364	364	41	41	
33,1	33,5	5	1	265	564	265	24	50	1	151	502	151	24	100
			2	470	470	89	89		2	376	376	38	38	
37,6	38,0	10	1	279	604	279	24	52	1	173	525	173	24	107
			2	502	502	92	92		2	412	412	181	181	
42,1	42,5	10	1	266	648	266	24	54	1	170	550	170	24	113
			2	522	522	81	81		2	449	449	153	153	
46,6	47,0	15	1	276	697	276	24	55	1	190	579	190	24	120
			2	556	556	81	81		2	501	501	135	135	
51,1	51,5	30	1	333	751	333	24	57	1	360	674	360	46	127
			2	618	618	162	162		2	582	582	138	138	
55,6	56,0	40	1	379	796	379	24	60	1	395	765	395	24	136
			2	670	670	180	180		2	657	657	133	133	
60,1	60,5	50	1	415	853	415	24	62	1	395	893	395	24	144
			2	724	724	190	190		2	734	734	120	120	
64,6	65,0	65	1	471	917	471	26	64	1	413	1035	413	24	152
			2	793	793	210	210		2	829	829	114	114	
69,1	69,5	90	1	541	1021	541	61	67	1	475	1190	475	24	161
			2	889	889	253	253		2	953	953	129	129	
73,6	74,0	115	1	646	1125	646	167	70	1	544	1351	544	24	173
			2	985	985	307	307		2	1085	1085	147	147	

3.4.7.8 Center ballasts and corner loads acc. to DIN 15019

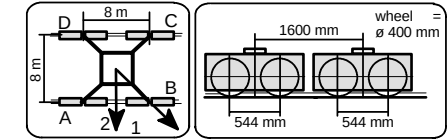
for a travelling tower crane on an undercarriage without climbing drive

Attention!

For the WOLFF 6531.6 or

WOLFF 6531.8 only the column

for the hook height is valid.



UW 480	Corner distance 8,0 m x 8,0 m	Jib length 65 m
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height under hook  		center ballast [t]	jib position	crane in service torque moment: 320 kNm				horizontal force [kN]	jib position	crane in service torque moment: 0 kNm				horizontal force [kN]
[m]	[m]			A [kN]	B [kN]	C [kN]	D [kN]			A [kN]	B [kN]	C [kN]	D [kN]	
15,1	15,5	20	1	308	501	308	115	44	1	182	526	182	24	63
			2	453	453	223	223		2	406	406	51	51	
19,6	20,0	20	1	343	520	343	165	46	1	184	542	184	24	81
			2	468	468	217	217		2	416	416	51	51	
24,1	24,5	20	1	347	542	347	153	48	1	184	559	184	24	88
			2	485	485	210	210		2	427	427	49	49	
28,6	29,0	20	1	352	565	352	139	49	1	183	578	183	24	95
			2	502	502	201	201		2	438	438	47	47	
33,1	33,5	20	1	356	589	356	123	51	1	182	600	182	24	101
			2	521	521	191	191		2	451	451	43	43	
37,6	38,0	25	1	373	629	373	118	53	1	203	625	203	24	108
			2	554	554	193	193		2	477	477	210	210	
42,1	42,5	25	1	378	658	378	98	54	1	199	652	199	24	114
			2	576	576	180	180		2	515	515	181	181	
46,6	47,0	30	1	395	702	395	88	56	1	218	682	218	24	121
			2	612	612	178	178		2	568	568	162	162	
51,1	51,5	30	1	399	737	399	62	58	1	210	715	210	24	128
			2	638	638	161	161		2	612	612	126	126	
55,6	56,0	30	1	409	772	409	46	61	1	333	826	333	24	137
			2	666	666	152	152		2	663	663	95	95	
60,1	60,5	50	1	466	861	466	71	63	1	381	957	381	24	145
			2	745	745	187	187		2	766	766	106	106	
64,6	65,0	75	1	536	966	536	105	65	1	447	1103	447	24	153
			2	840	840	231	231		2	887	887	124	124	
69,1	69,5	100	1	605	1075	605	135	67	1	506	1264	506	24	162
			2	937	937	273	273		2	1013	1013	137	137	
73,6	74,0	120	1	668	1168	668	167	71	1	550	1427	550	24	174
			2	1022	1022	314	314		2	1133	1133	142	142	