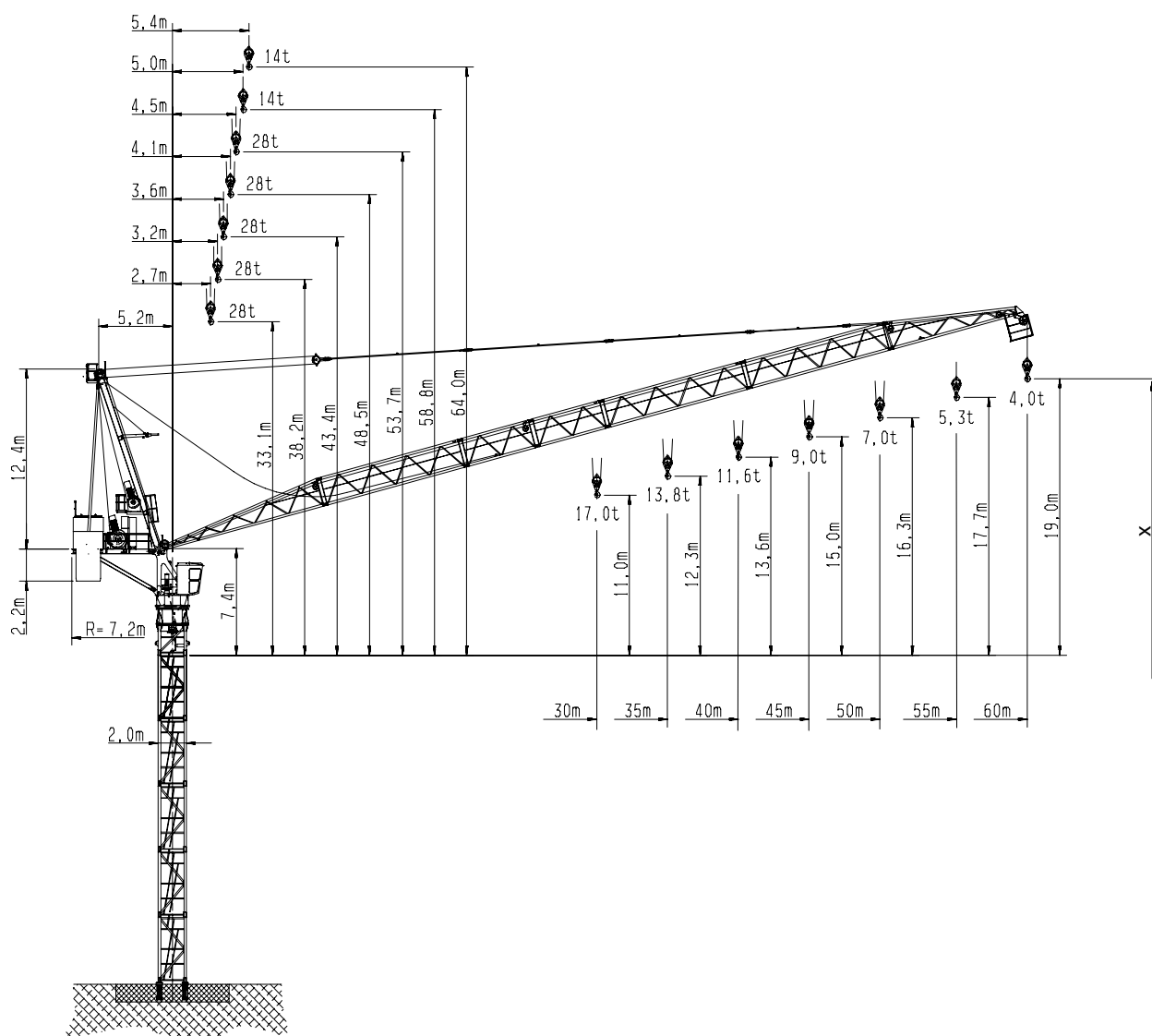


1 Schedule drawing

1.1 Schedule drawing WOLFF 355 B




[X] max. hook height above ground

Data WOLFF 355B

Item	Data
Crane type	BGL GROUP C.0.11.0355
Design	Overhead travelling crane with top slewing luffing jib, with climbing feature
Type of setup	Stationary or travelling
Basis of calculation	EN
Payload torque	max. 5100 kN/m
Hoist winch	Hw 28110FU

2 Load carrying capacities


2.1 Table of load carrying capacity WOLFF 355 (1-fall)

 14.0 t		Operating radius [m]		20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	
JL [m]	60	5.4 - 27.0		14.0	14.0	12.2	9.8	8.1	6.7	5.6	4.7	4.0	LCC [t]
	55	5.0 - 28.0		14.0	14.0	12.8	10.5	8.7	7.3	6.2	5.3		
	50	4.5 - 29.5		14.0	14.0	13.7	11.3	9.5	8.1	7.0			
	45	4.1 - 31.0		14.0	14.0	14.0	12.2	10.4	9.0				
	40	3.6 - 33.5		14.0	14.0	14.0	13.4	11.6					
	35	3.2 - 34.5		14.0	14.0	14.0	13.8						
	30	2.7 - 30.0		14.0	14.0	14.0							

2.2 Table of load carrying capacities (kg) in meter intervals, WOLFF 355 B (1-fall)

Operating radius	Jib length [m]						
[m]	30	35	40	45	50	55	60
26	14000	14000	14000	14000	14000	14000	14000
27	14000	14000	14000	14000	14000	14000	14000
28	14000	14000	14000	14000	14000	14000	13350
29	14000	14000	14000	14000	14000	13390	12750
30	14000	14000	14000	14000	13700	12800	12200
31		14000	14000	14000	13170	12280	11650
32		14000	14000	13500	12670	11780	11160
33		14000	14000	13030	12190	11310	10690
34		14000	13780	12580	11740	10870	10260
35		13800	13400	12200	11300	10500	9800
36			12970	11770	10920	10060	9450
37			12600	11390	10540	9690	9090
38			12250	11040	10180	9340	8740
39			11920	10700	9840	9000	8410
40			11600	10400	9500	8700	8100
41				10080	9210	8380	7790
42				9790	8920	8090	7510
43				9510	8640	7820	7230
44				9250	8370	7560	6980
45				9000	8100	7300	6700
46					7880	7070	6490
47					7640	6840	6260
48					7420	6620	6050
49					7210	6400	5840
50					7000	6200	5600
51						6010	5440
52						5820	5260
53						5640	5080
54						5470	4910
55						5300	4700
56							4580
57							4430
58							4280
59							4140
60							4000





2.3 Table of load carrying capacity WOLFF 355 (2-fall)

 28.0 t		Operating radius [m]		20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	
JL [m]	60	-		-	-	-	-	-	-	-	-	-	LCC [t]
	55	-		-	-	-	-	-	-	-	-	-	
	50	4.5 - 16.0		21.7	16.7	13.4	11.0	9.2	1.8	6.7			
	45	4.1 - 16.5		22.7	17.6	14.3	11.9	10.1	8.7				
	40	3.6 - 17.0		23.6	18.7	15.4	13.1	11.3					
	35	3.2 - 17.5		24.4	19.3	15.9	13.5						
	30	2.7 - 18.0		25.3	20.3	17.0							

2.4 Table of load carrying capacities (kg) in meter intervals, WOLFF 355 B (2-fall)

Operating radius	Jib length [m]						
[m]	30	35	40	45	50	55	60
16	28000	28000	28000	28000	28000	-	-
17	28000	28000	28000	27100	26160	-	-
18	28000	27190	26390	25460	24520	-	-
19	26550	25710	24940	23990	23050	-	-
20	25300	24400	23600	22700	21700	-	-
21	24070	23170	22470	21470	20540	-	-
22	23000	22070	21400	20380	19460	-	-
23	22020	21070	20420	19390	18470	-	-
24	21130	20150	19530	18480	17560	-	-
25	20300	19300	18700	17600	16700	-	-
26	19540	18520	17950	16870	15950	-	-
27	18830	17800	17240	16150	15240	-	-
28	18180	17130	16590	15480	14580	-	-
29	17570	16500	15980	14860	13960	-	-
30	17000	15900	15400	14300	13400	-	-
31		15370	14880	13750	12840	-	-
32		14860	14390	13240	12340	-	-
33		14380	13920	12760	11860	-	-
34		13930	13480	12320	11420	-	-
35		13500	13100	11900	11000	-	-
36			12670	11490	10600	-	-
37			12300	11120	10220	-	-
38			11950	10760	9870	-	-
39			11620	10420	9530	-	-
40			11300	10100	9200	-	-
41				9790	8900	-	-
42				9500	8610	-	-
43				9220	8330	-	-
44				8950	8070	-	-
45				8700	7800	-	-
46					7570	-	-
47					7340	-	-
48					7120	-	-
49					6900	-	-
50					6700	-	-
51						-	-
52						-	-
53						-	-
54						-	-
55						-	-
56						-	-
57						-	-
58						-	-
59						-	-
60						-	-

3 Tower combinations

	<div data-bbox="384 239 1442 286" data-label="Section-Header"> <h3> DANGER</h3> </div> <p>Usage of incorrect tower combinations. The slewing tower crane may overturn.</p> <ol style="list-style-type: none"> 1) Use the specified tower combinations. 2) If you need another tower combination that is not specified here, please contact WOLFFKRAN to get an approved alternative setup in writing.
	<div data-bbox="384 553 1442 600" data-label="Section-Header"> <h3>NOTICE</h3> </div> <p>All tower combinations apply to free standing slewing tower cranes without climbing gear.</p>
	<div data-bbox="384 743 1442 790" data-label="Section-Header"> <h3>NOTICE</h3> </div> <p>For tower combination with tower element TV 25 and UV 25 please contact WOLFFKRAN.</p>

3.1 Tower combinations on foundation

Jib length		30 m – 40 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TV 20.4			
9	40.5 m	TV 20.4			
Foundation		FUA 140 / Type D-140			
Tower height [m]		40.5			

Jib length		30 m – 40 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TV 20.4			
9	37.0 m	VR 2023			
10	41.5 m	TV 23			
11	46.0 m	TV 23			
12	50.5 m	TV 23			
13	55.0 m	TV 23			
Foundation		FUA 140 type D-140			
Tower height [m]		55.0			

Jib length		30 m – 40 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	32.5 m	VR 2023			
9	37.0 m	TV 23			
10	41.5 m	TV 23			
11	46.0 m	TV 23			
12	50.5 m	HTA 23			
13	55.0 m	HT 23			
14	59.5 m	HT 23			
15	64.0 m	HT 23			
16	68.5 m	HT 23			
Foundation		FUA G 160			
Tower height [m]		68.5			

Jib length		30 m – 40 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	32.5 m	VR 2023			
9	37.0 m	TV 23			
10	41.5 m	TV 23			
11	46.0 m	HTA 23			
12	50.5 m	HT 23			
13	55.0 m	HT 23			
14	59.5 m	HT 23			
15	64.0 m	HT 23			
16	75.3 m	BT 23			
Foundation		FUA G 210			
Tower height [m]		75.3			

Jib length		30 m – 40 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	28.0 m	VR 2023			
8	32.5 m	TV 23			
9	37.0 m	TV 23			
10	41.5 m	TV 23			
11	46.0 m	HTA 23			
12	50.5 m	HT 23			
13	55.0 m	HT 23			
14	59.5 m	HT 23			
15	64.0 m	HT 23			
16	65.2 m	VR 23/25-29			
17	69.7 m	UV 29			
18	74.2 m	UV 29			
19	84.2 m	BT 29			
Foundation		FUA BT 29			
Tower height [m]		84.2			

Jib length		30 m – 40 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	58.5 m	HT 23			
14	63.0 m	HT 23			
15	67.5 m	HT 23			
Foundation		FUA G 160			
Tower height [m]		67.5			

Jib length		30 m – 40 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	58.5 m	HT 23			
14	63.0 m	HT 23			
15	74.3 m	BT 23			
Foundation		FUA G 210			
Tower height [m]		74.3			

Jib length		30 m – 40 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	58.5 m	HT 23			
14	63.0 m	HT 23			
15	64.2 m	VR 23/25-29			
16	68.7 m	UV 29			
17	73.2 m	UV 29			
18	83.2 m	BT 29			
Foundation		FUA BT 29			
Tower height [m]		83.2			

Jib length		45 m – 50 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TV 20.4			
9	40.5 m	TV 20.4			
Foundation		FUA 140 / Type D-140			
Tower height [m]		40.5			

Jib length		45 m – 50 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TV 20.4			
9	37.0 m	VR 2023			
10	41.5 m	TV 23			
11	46.0 m	TV 23			
12	50.5 m	TV 23			
Foundation		FUA G 160			
Tower height [m]		50.5			

Jib length		45 m – 50 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	32.5 m	VR 2023			
9	37.0 m	TV 23			
10	41.5 m	TV 23			
11	46.0 m	TV 23			
12	50.5 m	HTA 23			
13	55.0 m	HT 23			
14	59.5 m	HT 23			
15	64.0 m	HT 23			
Foundation		FUA G 160			
Tower height [m]		64.0			

Jib length		45 m – 50 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	32.5 m	VR 2023			
9	37.0 m	TV 23			
10	41.5 m	TV 23			
11	46.0 m	HTA 23			
12	50.5 m	HT 23			
13	55.0 m	HT 23			
14	59.5 m	HT 23			
15	70.8 m	BT 23			
Foundation		FUA G 210			
Tower height [m]		70.8			

Jib length		45 m – 50 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	28.0 m	VR 2023			
8	32.5 m	TV 23			
9	37.0 m	TV 23			
10	41.5 m	TV 23			
11	46.0 m	HTA 23			
12	50.5 m	HT 23			
13	55.0 m	HT 23			
14	59.5 m	HT 23			
15	60.7 m	VR 23/25-29			
16	65.2 m	UV 29			
17	69.7 m	UV 29			
18	79.7 m	BT 29			
Foundation		FUA BT 29			
Tower height [m]		79.7			

Jib length		45 m – 50 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	58.5 m	HT 23			
14	63.0 m	HT 23			
Foundation		FUA G 160			
Tower height [m]		63.0			

Jib length		45 m – 50 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	58.5 m	HT 23			
14	69.8 m	BT 23			
Foundation		FUA G 210			
Tower height [m]		69.8			

Jib length		45 m – 50 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	58.5 m	HT 23			
14	59.7 m	VR 23/25-29			
15	64.2 m	UV 29			
16	68.7 m	UV 29			
17	78.7 m	BT 29			
Foundation		FUA BT 29			
Tower height [m]		78.7			

Jib length		55 m – 60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TV 20.4			
9	40.5 m	TV 20.4			
Foundation		FUA 140 / Type D-140			
Tower height [m]		40.5			

Jib length		55 m – 60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TV 20.4			
9	37.0 m	VR 2023			
10	41.5 m	TV 23			
11	46.0 m	TV 23			
12	50.5 m	TV 23			
Foundation		FUA G 160			
Tower height [m]		50.5			

Jib length		55 m – 60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TV 20.4			
9	37.0 m	VR 2023			
10	41.5 m	TV 23			
11	46.0 m	TV 23			
12	50.5 m	HTA 23			
13	55.0 m	HT 23			
14	59.5 m	HT 23			
Foundation		FUA G 160			
Tower height [m]		59.5			

Jib length		55 m – 60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	32.5 m	TV 20.4			
9	37.0 m	VR 2023			
10	41.5 m	TV 23			
11	46.0 m	TV 23			
12	50.5 m	HTA 23			
13	55.0 m	HT 23			
14	66.3 m	BT 23			
Foundation		FUA G 210			
Tower height [m]		66.3			

Jib length		55 m – 60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TV 20.4			
9	37.0 m	VR 2023			
10	41.5 m	TV 23			
11	46.0 m	HTA 23			
12	50.5 m	HT 23			
13	55.0 m	HT 23			
14	56.2 m	VR 23/25-29			
15	60.7 m	UV 29			
16	65.2 m	UV 29			
17	75.2 m	BT 29			
Foundation		FUA BT 29			
Tower height [m]		75.2			

Jib length		55 m – 60 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	58.5 m	HT 23			
Foundation		FUA G 160			
Tower height [m]		58.5			

Jib length		55 m – 60 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	65.3 m	BT 23			
Foundation		FUA G 210			
Tower height [m]		65.3			

Jib length		55 m – 60 m			
Elements					
1	4.5 m	HT 23			
2	9.0 m	HT 23			
3	13.5 m	HT 23			
4	18.0 m	HT 23			
5	22.5 m	HT 23			
6	27.0 m	HT 23			
7	31.5 m	HT 23			
8	36.0 m	HT 23			
9	40.5 m	HT 23			
10	45.0 m	HT 23			
11	49.5 m	HT 23			
12	54.0 m	HT 23			
13	55.2 m	VR 23/25-29			
14	59.7 m	UV 29			
15	64.2 m	UV 29			
16	74.2 m	BT 29			
Foundation		FUA BT 29			
Tower height [m]		74.2			

3.2 Tower combinations on cross frame (TV 20 - connection)

Jib length		30 to 40 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	TV 25			
10	45.0 m	TV 25			
11	49.5 m	TV 25			
12	54.0 m	TV 25			
Substructure		KR1000-8			
[m x m]		8.0 x 8.0			
Substructure height [m]		1.2			
Tower height [m]		55.2			

Jib length		45-50 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	TV 25			
10	45.0 m	TV 25			
11	49.5 m	TV 25			
Substructure		KR1000-8			
[m x m]		8.0 x 8.0			
Substructure height [m]		1.2			
Tower height [m]		50.7			

Jib length		55-60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	TV 25			
10	45.0 m	TV 25			
Substructure		KR1000-8			
[m x m]		8.0 x 8.0			
Substructure height [m]		1.2			
Tower height [m]		46.2			

Jib length		30-35 m			
Elements					
1	4.5 m	TV 20.4	TV 20.4		
2	9.0 m	TV 20.4	TV 20.4		
3	13.5 m	TV 20.4	TV 20.4		
4	18.0 m	TV 20.4	TV 20.4		
5	22.5 m	TV 20.4	TV 20.4		
6	27.0 m	TV 20.4	TV 20.4		
7	31.5 m	TVÜ 20.4	TVÜ 20.4		
8	36.0 m	TV 25	TV 25		
9	40.5 m	TV 25	TV 25		
10	45.0 m	TV 25	TV 25		
11	49.5 m	UVA 25	UVA 25		
12	50.7 m	VR 2529	VR 2529		
13	55.2 m	UV 29	UV 29		
14	59.7 m	UV 29	UV 29		
15	64.2 m	UV 29	UV 29		
16	68.7 m	UV 29	UV 29		
17	73.2 m	UV 29	UV 29		
18	83.2 m	BT 29	BT 29		
Substructure		KR 16-80/100	KR 16-80/100		
[m x m]		8.0 x 8.0	10.0 x 10.0		
Substructure height [m]		1.8	1.8		
Tower height [m]		85.0	85.0		

Jib length		40 to 45 m			
Elements					
1	4.5 m	TV 20.4	TV 20.4		
2	9.0 m	TV 20.4	TV 20.4		
3	13.5 m	TV 20.4	TV 20.4		
4	18.0 m	TV 20.4	TV 20.4		
5	22.5 m	TV 20.4	TV 20.4		
6	27.0 m	TV 20.4	TV 20.4		
7	31.5 m	TVÜ 20.4	TVÜ 20.4		
8	36.0 m	TV 25	TV 25		
9	40.5 m	TV 25	TV 25		
10	45.0 m	TV 25	TV 25		
11	49.5 m	UVA 25	UVA 25		
12	50.7 m	VR 2529	VR 2529		
13	55.2 m	UV 29	UV 29		
14	59.7 m	UV 29	UV 29		
15	64.2 m	UV 29	UV 29		
16	68.7 m	UV 29	UV 29		
17	78.7 m	BT 29	BT 29		
Substructure		KR 16-80/100	KR 16-80/100		
[m x m]		8.0 x 8.0	10.0 x 10.0		
Substructure height [m]		1.8	1.8		
Tower height [m]		80.5	80.5		

Jib length		50 m			
Elements					
1	4.5 m	TV 20.4	TV 20.4		
2	9.0 m	TV 20.4	TV 20.4		
3	13.5 m	TV 20.4	TV 20.4		
4	18.0 m	TV 20.4	TV 20.4		
5	22.5 m	TV 20.4	TV 20.4		
6	27.0 m	TV 20.4	TV 20.4		
7	31.5 m	TVÜ 20.4	TVÜ 20.4		
8	36.0 m	TV 25	TV 25		
9	40.5 m	TV 25	TV 25		
10	45.0 m	TV 25	TV 25		
11	49.5 m	UVA 25	UVA 25		
12	50.7 m	VR 2529	VR 2529		
13	55.2 m	UV 29	UV 29		
14	59.7 m	UV 29	UV 29		
15	64.2 m	UV 29	UV 29		
16	74.2 m	BT 29	BT 29		
Substructure		KR 16-80/100	KR 16-80/100		
[m x m]		8.0 x 8.0	10.0 x 10.0		
Substructure height [m]		1.8	1.8		
Tower height [m]		76.0	76.0		

Jib length		55 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TVÜ 20.4			
8	36.0 m	TV 25			
9	40.5 m	TV 25			
10	45.0 m	UVA 25			
11	46.2 m	VR 2529			
12	50.7 m	UV 29			
13	55.2 m	UV 29			
14	59.7 m	UV 29			
15	69.7 m	BT 29			
Substructure		KR 16-80/100			
[m x m]		8.0 x 8.0			
Substructure height [m]		1.8			
Tower height [m]		71.5			

Jib length		55 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TVÜ 20.4			
8	36.0 m	TV 25			
9	40.5 m	TV 25			
10	45.0 m	UVA 25			
11	46.2 m	VR 2529			
12	50.7 m	UV 29			
13	55.2 m	UV 29			
14	59.7 m	UV 29			
15	64.2 m	UV 29			
16	74.2 m	BT 29			
Substructure		KR 16-80/100			
[m x m]		10.0 x 10.0			
Substructure height [m]		1.8			
Tower height [m]		76.0			

Jib length	55 m				
Elements					
1	4.5 m	TV 20.4	TV 20.4		
2	9.0 m	TV 20.4	TV 20.4		
3	13.5 m	TV 20.4	TV 20.4		
4	18.0 m	TV 20.4	TV 20.4		
5	22.5 m	TV 20.4	TV 20.4		
6	27.0 m	TV 20.4	TV 20.4		
7	31.5 m	TVÜ 20.4	TVÜ 20.4		
8	36.0 m	TV 25	TV 25		
9	40.5 m	TV 25	TV 25		
10	45.0 m	UVA 25	UVA 25		
11	46.2 m	VR 2529	VR 2529		
12	50.7 m	UV 29	UV 29		
13	55.2 m	UV 29	UV 29		
14	59.7 m	UV 29	UV 29		
15	69.7 m	BT 29	BT 29		
Substructure		KR 16-80/100	KR 16-80/100		
[m x m]		8.0 x 8.0	10.0 x 10.0		
Substructure height [m]		1.8	1.8		
Tower height [m]		71.5	71.5		

3.3 Tower combinations on cross frame element (TV 20 - connection)

Jib length		30 to 40 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
Substructure		KRE 260.2			
[m x m]		6.0 x 6.0			
Substructure height [m]		4.0			
Tower height [m]		31.0			

Jib length		45 to 55 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
Substructure		KRE 260.2			
[m x m]		6.0 x 6.0			
Substructure height [m]		4.0			
Tower height [m]		26.5			

Jib length		60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
Substructure		KRE 260.2			
[m x m]		6.0 x 6.0			
Substructure height [m]		4.0			
Tower height [m]		22.0			

Jib length		30 to 40 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	TV 25			
10	45.0 m	TV 25			
11	49.5 m	TV 25			
12	54.0 m	UVA 25			
Substructure		KRE 480			
[m x m]		8.0 x 8.0			
Substructure height [m]		4.0			
Tower height [m]		58.0			

Jib length		45 - 50 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	TV 25			
10	45.0 m	TV 25			
11	49.5 m	UVA 25			
Substructure		KRE 480			
[m x m]		8.0 x 8.0			
Substructure height [m]		4.0			
Tower height [m]		53.5			

Jib length		55-60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	TV 25			
10	45.0 m	UVA 25			
Substructure		KRE 480			
[m x m]		8.0 x 8.0			
Substructure height [m]		4.0			
Tower height [m]		49.0			

3.4 Tower combinations on bogie truck (TV 20 - connection)

Jib length		30-45 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
Substructure		UW 260.3			
[m x m]		6.0 x 6.0			
Substructure height [m]		4.5			
Tower height [m]		22.5			

Jib length		50-55 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
Substructure		UW 260.3			
[m x m]		6.0 x 6.0			
Substructure height [m]		4.5			
Tower height [m]		18.0			


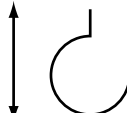
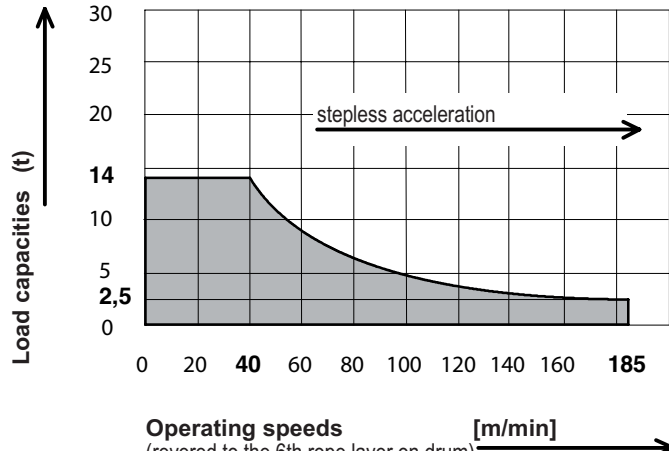
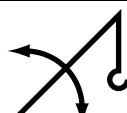
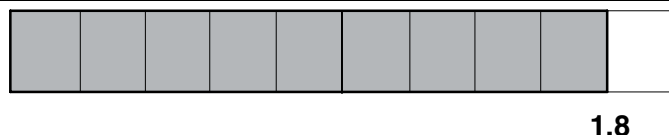

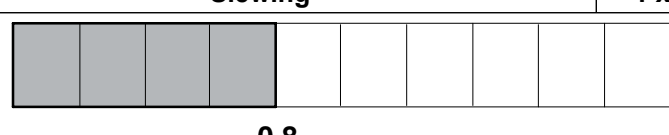
Jib length		60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
Substructure		UW 260.3			
[m x m]		6.0 x 6.0			
Substructure height [m]		4.5			
Tower height [m]		13.5			


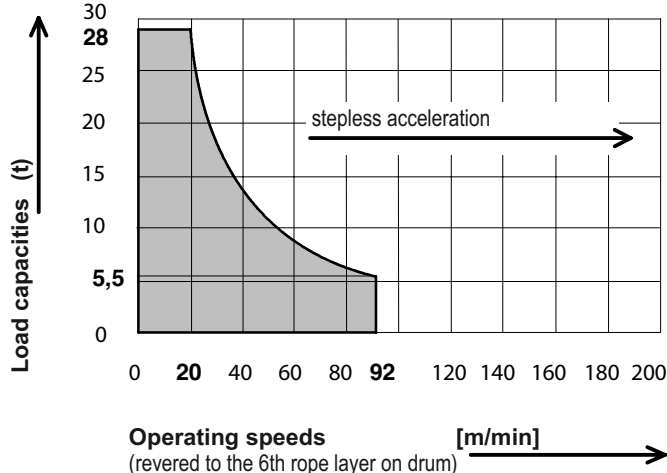




Jib length		30-45 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	TV 25			
10	45.0 m	TV 25			
11	49.5 m	UVA 25			
Substructure		UW 480			
[m x m]		8.0 x 8.0			
Substructure height [m]		5.0			
Tower height [m]		54.5			

Jib length		50-55 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	TV 25			
10	45.0 m	UVA 25			
Substructure		UW 480			
[m x m]		8.0 x 8.0			
Substructure height [m]		5.0			
Tower height [m]		50.0			

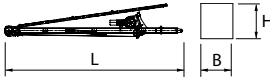




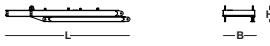

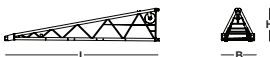
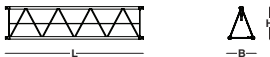


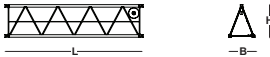
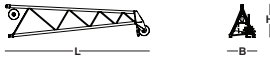


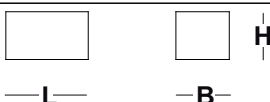
Jib length		60 m			
Elements					
1	4.5 m	TV 20.4			
2	9.0 m	TV 20.4			
3	13.5 m	TV 20.4			
4	18.0 m	TV 20.4			
5	22.5 m	TV 20.4			
6	27.0 m	TV 20.4			
7	31.5 m	TV 20.4			
8	36.0 m	TVÜ 20.4			
9	40.5 m	UVA 25			
Substructure		UW 480			
[m x m]		8.0 x 8.0			
Substructure height [m]		5.0			
Tower height [m]		45.5			

4 Operating speeds

Drive unit [type]	Operating speed Carrying load		Hook travel distance max. [m]	Power [kW]	Total connected load [kVA]
Hw 28110FU	Lifting		920	110	194.0 Total connected load at coincid- ence factor of 0.8
					
EW 1575FU	Jib up-down			75	
					
	Operating speeds		[min]		
SG	Slewing			1 x 7.5	
					
	Operating speeds		[min ⁻¹]		

Drive unit [type]	Operating speed Carrying load		Hook travel distance max. [m]	Power [kW]	Total connected wattage [kVA]
Hw 28110FU	Lifting		460	110	194.0 Total connected load at coincid- ence factor of 0.8
	<div><div><div>Load capacities (t)</div><div></div></div><div>Operating speeds [m/min] (reversed to the 6th rope layer on drum)</div></div>				
EW 1575FU	Jib up-down			75	
	<div><div></div><div>Operating speeds [min]</div></div>				
SG	Slewing			1 x 7.5	
	<div><div></div><div>Operating speeds [min⁻¹]</div></div>				

5 Package list 355 B

Quantity	Description	Package	L [m]	W [m]	H [m]	Weight [kg]	Volume [m³]
1	Tower head section upper part including derricking winch, pulley block, platforms and struts		13.36	2.30	2.52	9800	77.40
1	Tower head section lower part		5.63	2.30	2.53	11700	32.76
1	Connecting block		3.77	2.14	2.53	3600	20.41
1	Driver's cab suspension		2.80	2.07	0.51	400	2.96
1	Driver's cab		1.90	1.44	2.34	750	6.40
1	Counter jib (including struts, platforms and standard railing)		6.58	2.30	0.93	5150	14.08
1	Machine platform with hoist gear (incl. 920m Ø26 mm hoisting rope = 3036 kg)		2.17	2.07	2.27	8200	10.20
1	Jib section 1 (with platforms)		11.92	2.22	2.00	2250	52.93
1	Jib section 2		10.56	1.71	1.96	1710	35.40
1	Jib section 3		5.39	1.71	1.96	960	18.07
1	Jib section 4		5.39	1.71	1.96	930	18.07
5	Jib section 5		10.56	1.71	1.96	1630	35.40
1	Jib section 6 (including walkways)		10.16	1.71	1.99	2020	34.58
	Snatch block		0.68	0.26	1.63	540	0.29
5	Stay rods for 60 m operating radius		10.51	0.24	0.61	1350	1.54
	Standard railings		2.60	1.10	0.65	300	1.86
1	Box (small parts)		0.63	0.50	0.38	100	1.12

6 Assembly weights

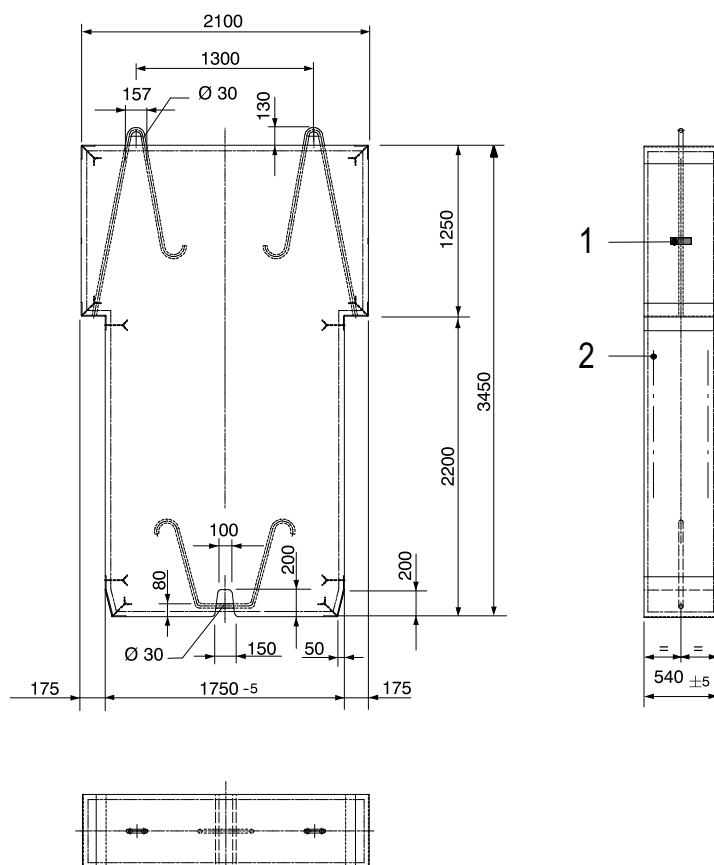
6.1 Counterweight blocks



NOTICE

The described diagrams of the counterweights and central ballast blocks only show sketches. Have them issue the reinforcement charts by experts.

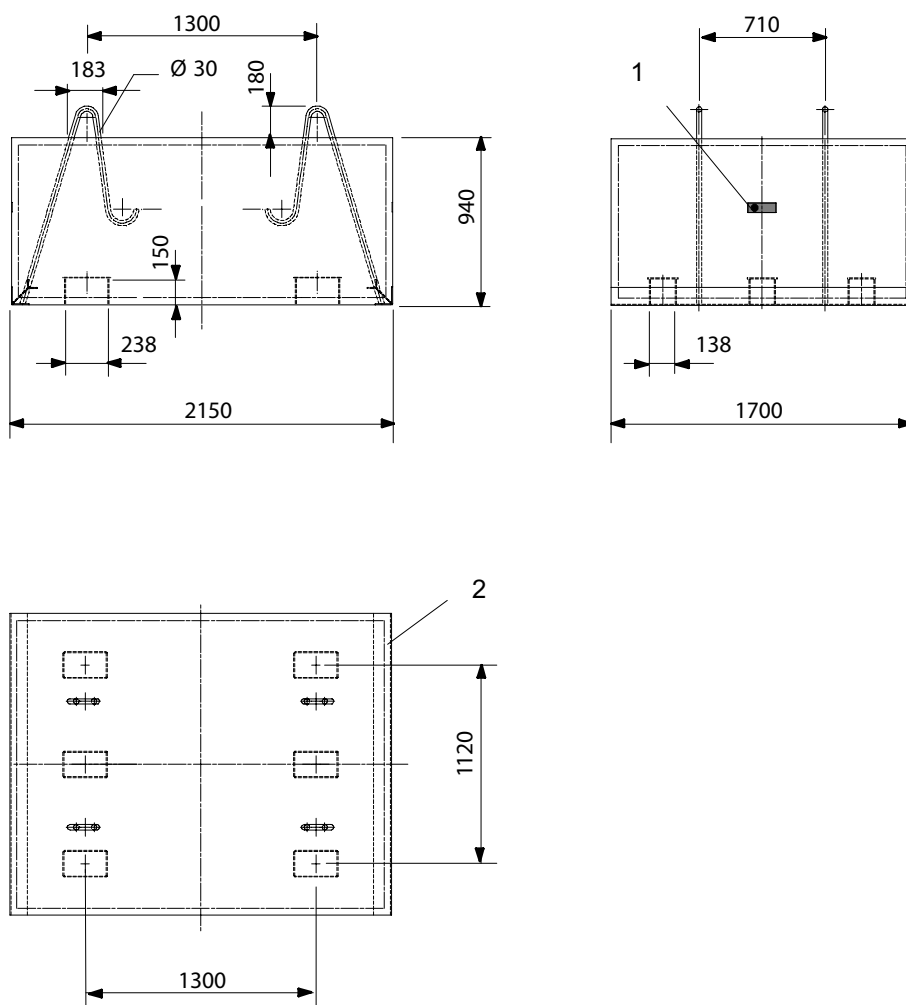
6.1.1 Counterweight block, 8.0 t



Data counterweight block 8.0 t

Item	Data
Material	Concrete, min. C 20/25
Max. permitted weight tolerance	+/- 3 %
Order number	30043944
1	Component identifier
2	Structural steel reinforcement

6.1.2 Counterweight block, 8.0 t



Data counterweight block 8.0 t, lying

Item	Data
Material	Concrete, min. C 20/25
Max. permitted weight tolerance	+/- 3 %
Order number	30043943
1	Component identifier
2	Structural steel reinforcement

6.2 Total weight jib assembly

Complete jib: mechanical parts, brace plate, supports, assembly brace ropes, assembly rope guides, snatch block

Jib length [m]	Weight [kg] WOLFF 355 B
60.0	13330
55.0	12170
50.0	11270
45.0	10200
40.0	9300
35.0	8230
30.0	7070

6.3 Assembly weight slewing gear

Module	Crane parts	Weight [kg]	
Tower head top (including struts, pulley block, pedestals, standard railing and compensor)			9800
Lower part of tower head section			15300
Driver's cab			1150
Counterjib (including struts, pedestals, standard railing, control cabinet, resistors, hoisting winch and hoisting rope (920 m))			13400

6.4 Assembly weight cross frame

Module	crane part	Weight [kg]	
Cross frame KR 1000-8 (without accessories)			14000
(8 m x 8 m)	▪ 4 x bolted spigots AZ 140 E 10	630	
	▪ 4 bolted spigots AZ 156 M	686	
Cross frame KR 16 - 80 (without accessories)			21450
(8m x 8m)	▪ 4 bolted spigots AZ 140 E KR 16-80	620	
	▪ 4 bolted spigots AZ 156 M KR 16-80	680	
	▪ 4 bolted spigots AZ 156S M KR 16-80	675	
Cross frame KR 16 - 80/100 (without accessories)			25400
(10 m x 10 m)	▪ 4 bolted spigots AZ 140 E KR 16-80	620	
	▪ 4 bolted spigots AZ 156 M KR 16-80	680	
	▪ 4 bolted spigots AZ 156S M KR 16-80	675	

6.5 Assembly weight cross frame elements

Module	crane part	Weight [kg]	
Cross frame element KRE 260.2, complete			10 900
	▪ Mast base with diagonal struts and tie rods	5 445	
	▪ Cross frame platform with jibs, corner plates and transport locks	5 455	
Cross frame element KRE 480 complete			24 250
	▪ Mast base	7 100	
	▪ Hinged sections with corner plates	6 250	
	▪ Diagonal struts and ballast carrier	9 260	
	▪ Assembly platform, ladder, and small parts	1 640	

6.6 Assembly weight bogie truck

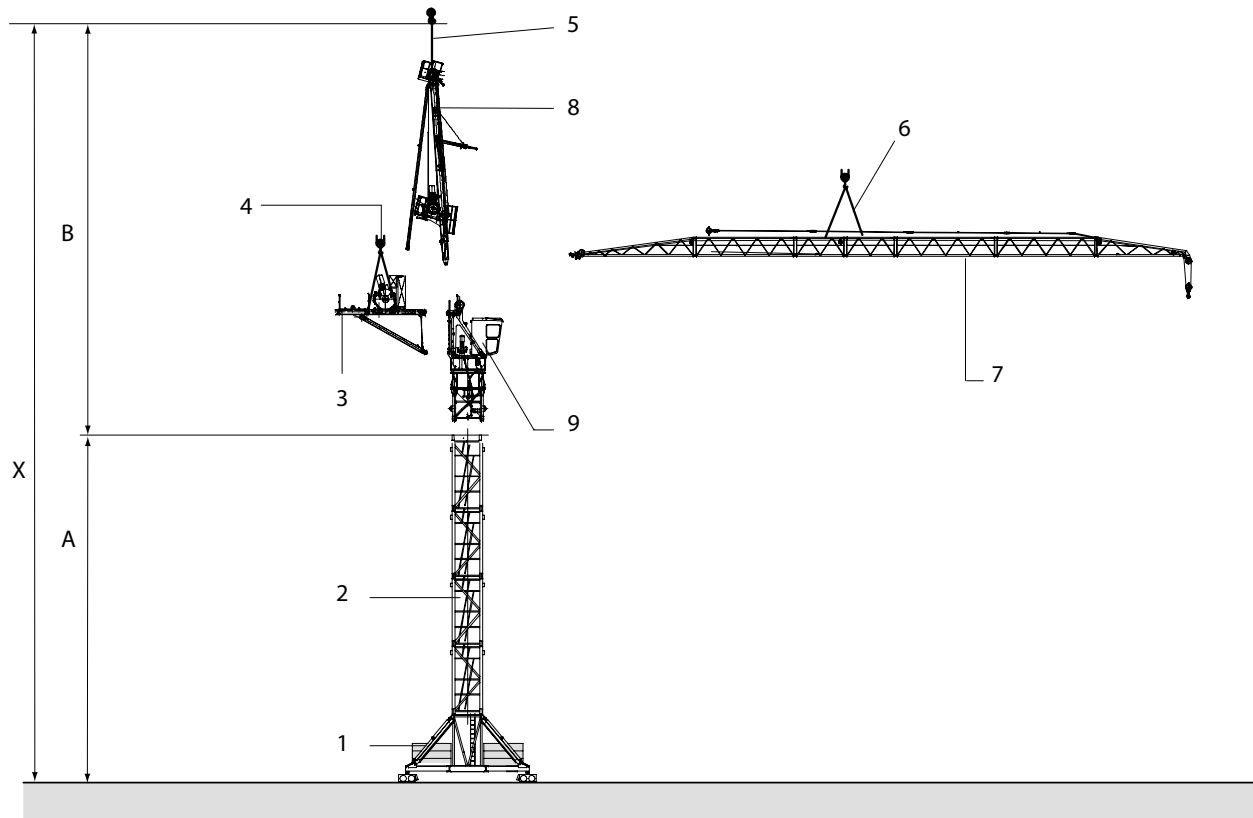
Module	crane part	Weight [kg]	
Bogie truck UW 260.3, complete			17 100
	▪ Mast base with diagonal struts and tie rods	5 880	
	▪ Bogie truck platform with hinged sections, subframes and transport locks	11 220	
Bogie truck UW 480, complete			34 000
	▪ Mast base	7 100	
	▪ Hinged sections with lifting beam and subframes	16 000	
	▪ Diagonal struts and ballast carrier	9 260	
	▪ Assembly platform, ladder, and small parts	1 640	

6.7 Hook height above ground required for mobile cranes

For information about the height of the WOLFF slewing tower crane, refer to Tower combinations [6].

NOTICE! During assembly, allowances must be made for level differences (mobile crane to base of the slewing tower crane).

Hook height above ground required for mobile cranes (X) = height of the WOLFF slewing tower crane (A) + clearance of 24 (B).



Exemplary illustration


[A]	Height of the WOLFF slewing tower crane	[B]	Clearance 24 m
[X]	Hook height above ground required for the mobile crane		
1	Undercarriage	5	Two-point lifting tackle (3 m with shackle)
2	Tower element	6	Four-point lifting tackle (6 m with shackle)
3	Counterjib, complete	7	Jib, complete
4	Four-point lifting tackle (with shackle)	8	Tower head section, complete

See also:

- Tower combinations [6]

7 Assembly diagrams

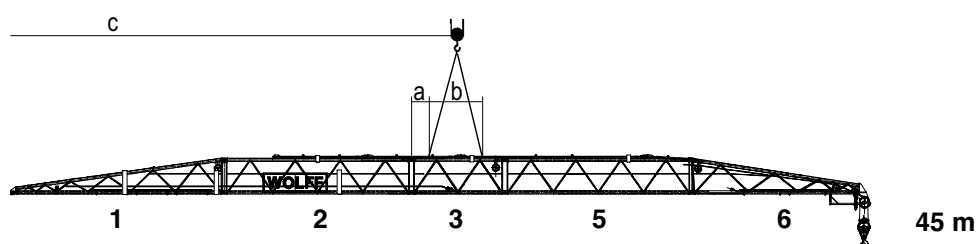
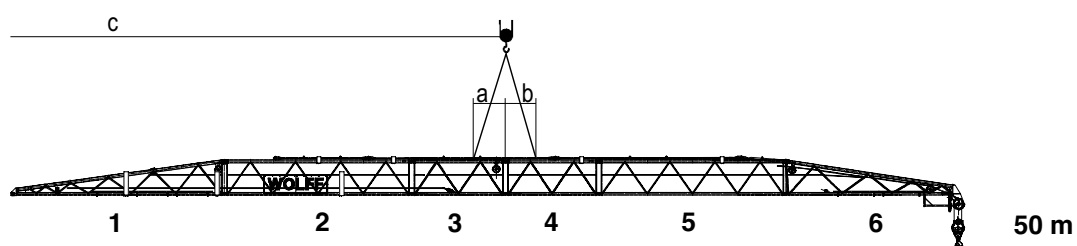
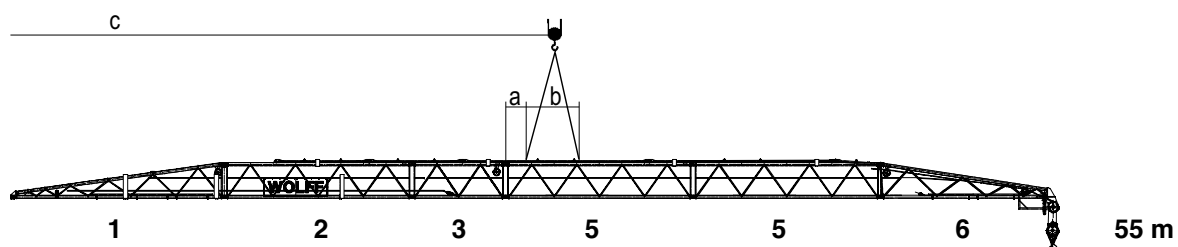
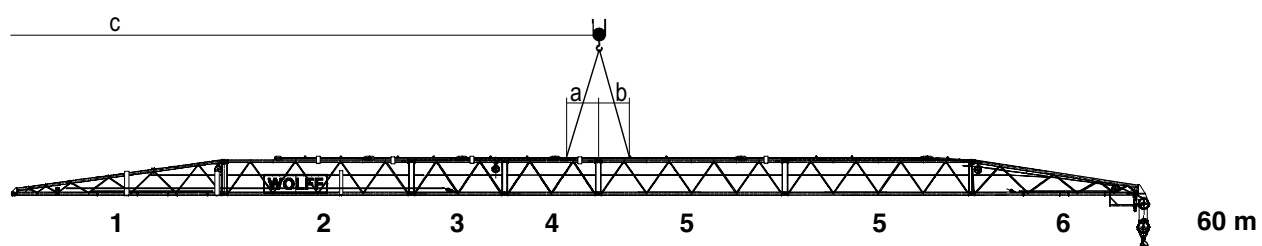
7.1 Jib attachment diagram

	NOTICE
	For jib assembly, use a Four-point lifting tackle (6 m with shackle).

Length of jib elements

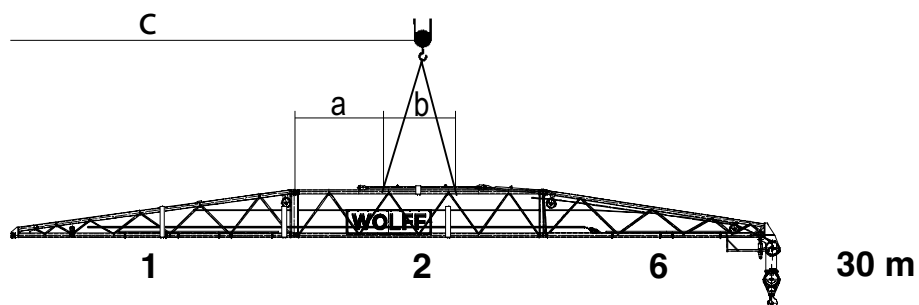
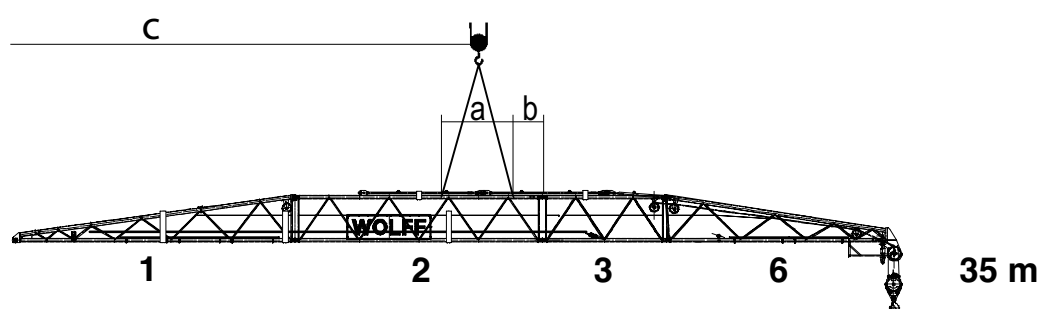
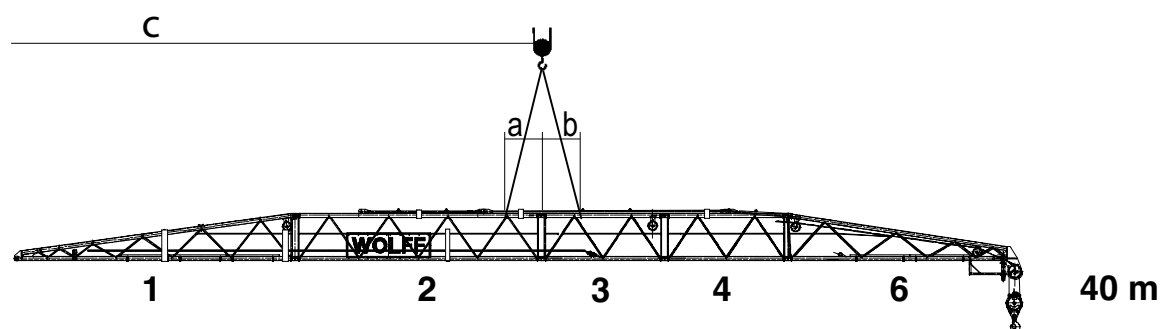
Item	Length [m]
Jib element 1, 2, 5, 6	10.0
Jib element 3, 4	5.0

7.1.1 Jib attachment diagram 60 m to 45 m



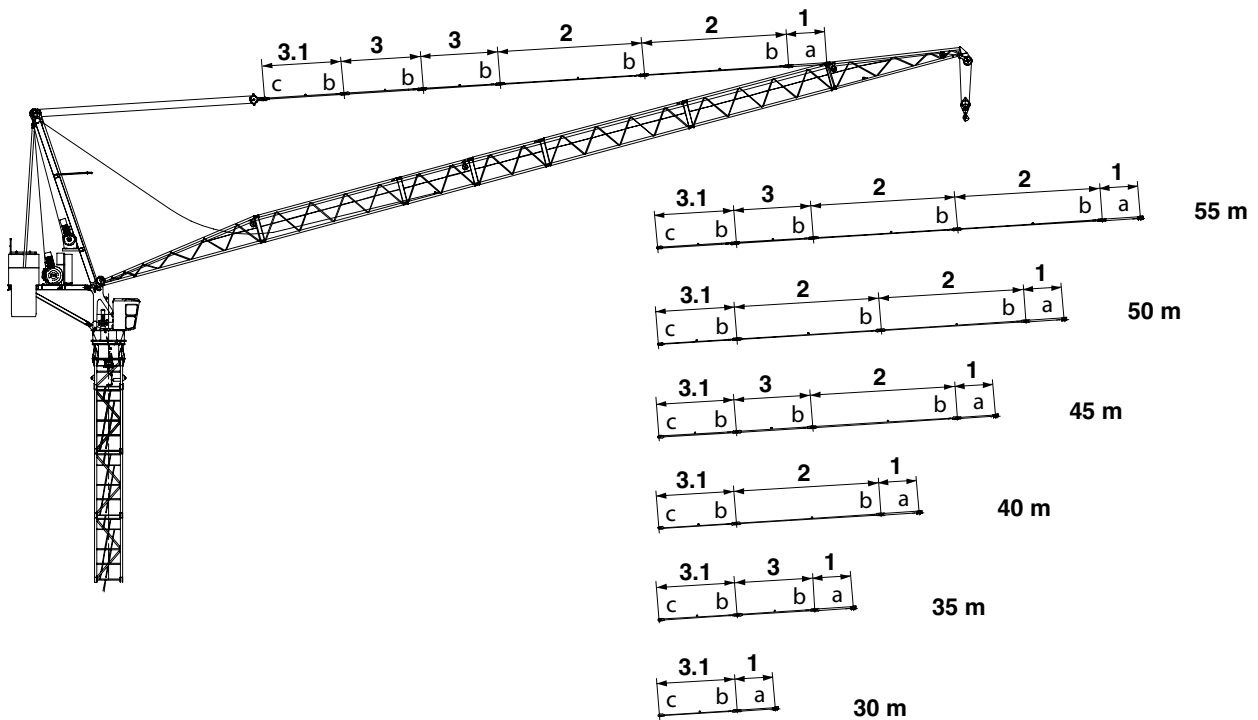
Data	Jib length [m]			
	60	55	50	45
a [m]	1.53	1.24	1.53	1.24
b [m]	1.53	2.70	1.53	2.70
c [m]	32.70	30.10	27.60	25.00
Weight [kg]	13330	12170	11270	10200

7.1.2 Jib attachment diagram 40 m to 30 m



Data	Jib length [m]		
	40	35	30
a [m]	1.53	2.70	3.64
b [m]	1.53	1.24	2.70
c [m]	22.60	19.90	17.30
Weight [kg]	9300	8230	7070

7.2 Jib brace diagram



Brace table

Jib length	Lengths [m]								Total weight [t]
	Pulley block	Brace 3.1	Stay no. 3	Stay no. 3	Stay no. 2	Stay no. 2	Stay no. 1	Total length	
Jib – 60 m	0.50	5.15	5.15	5.15	10.30	10.30	2.48	39.03	1.4
Jib – 55 m	0.50	5.15	5.15		10.30	10.30	2.48	33.88	1.2
Jib – 50 m	0.50	5.15			10.30	10.30	2.48	28.73	1.0
Jib – 45 m	0.50	5.15	5.15			10.30	2.48	23.58	0.9
Jib – 40 m	0.50	5.15				10.30	2.48	18.43	0.7
Jib – 35 m	0.50	5.15	5.15				2.48	13.28	0.5
Jib – 30 m	0.50	5.15					2.48	8.13	0.3



Bolt table

Jib length	Brace	Bolts				Spring retainers	
			Qu- ant- ity	Dimension [mm]	Item no.	Dimension [mm]	Item no.
Jib – 60 m	1	a	1	Ø 95/80x285	30044028	10/60-80, galvan- ized, yellow	10022204
	2	b	2	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3	b	2	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3.1	c	1	Ø 80/70x305	30044035	10/60-80, galvan- ized, yellow	10022204
Jib – 55 m	1	a	1	Ø 95/80x285	30044028	10/60-80, galvan- ized, yellow	10022204
	2	b	2	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3	b	1	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3.1	c	1	Ø 80/70x305	30044035	10/60-80, galvan- ized, yellow	10022204
Jib – 50 m	1	a	1	Ø 95/80x285	30044028	10/60-80, galvan- ized, yellow	10022204
	2	b	2	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3.1	c	1	Ø 80/70x305	30044035	10/60-80, galvan- ized, yellow	10022204
Jib – 45 m	1	a	1	Ø 95/80x285	30044028	10/60-80, galvan- ized, yellow	10022204
	2	b	1	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3	b	1	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3.1	c	1	Ø 80/70x305	30044035	10/60-80, galvan- ized, yellow	10022204
Jib – 40 m	1	a	1	Ø 95/80x285	30044028	10/60-80, galvan- ized, yellow	10022204
	2	b	1	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3.1	c	1	Ø 80/70x305	30044035	10/60-80, galvan- ized, yellow	10022204
Jib – 35 m	1	a	1	Ø 95/80x285	30044028	10/60-80, galvan- ized, yellow	10022204
	3	b	1	Ø 80/70x180	30044034	10/60-80, galvan- ized, yellow	10022204
	3.1	c	1	Ø 80/70x305	30044035	10/60-80, galvan- ized, yellow	10022204
Jib – 30 m	1	a	1	Ø 95/80x285	30044028	10/60-80, galvan- ized, yellow	10022204
	3.1	c	1	Ø 80/70x305	30044035	10/60-80, galvan- ized, yellow	10022204



8 Suitable climbing frames

This section contains information on


- Outer climbing units
- Inner climbing units (KSH)

	<p>⚠ WARNING</p> <p>Climbing unit attached to the cat head bottom section Increased wind surface. The slewing tower crane may overturn.</p> <ol style="list-style-type: none"> 1) Lower the climbing unit down on the tower, or 2) dismantle the climbing unit.
	<p>NOTICE</p> <p>The operating radius specified is measured from the tower center and is to be considered a reference value. Exact balancing can be achieved by moving the trolley with the tower elements specified in the table or a load and can be checked by moving the end stops of the tower apart without offsets.</p>

8.1 Outer climbing units

	<p>NOTICE</p> <p>If feasible, you should preferably operate your climbing frame without balancing weight.</p>
	<p>NOTICE</p> <p>Tower element on the transfer carriage</p> <p>The data on climbing balance was specified under the assumption that a tower element is on the transfer carriage.</p>

8.1.1 Outer climbing unit KWH 20.6/ KWH 20.6.1

	NOTICE
	<p>Minimum height for stationary setup: 2 tower elements = 9.0 m tower height</p> <p>Minimum height for crawling towers: 2 tower elements + bogie truck = approx. 13.5 m tower height</p>

WARNING! The assembly of the climbing gear for the slewing tower crane 355 B takes place in 1-fall operation.

Climbing radius for the balancing weights

355 B	Jib length [m]						
	60	55	50	45	40	35	30
no weight	34.2	37.0	38.5	41.9	-	-	-
TV 20 = 2.95 t	-	-	-	-	28.8	30.5	-
Weight = 5.00 t	-	-	-	-	22.9	24.1	25.4

8.2 Inner climbing units

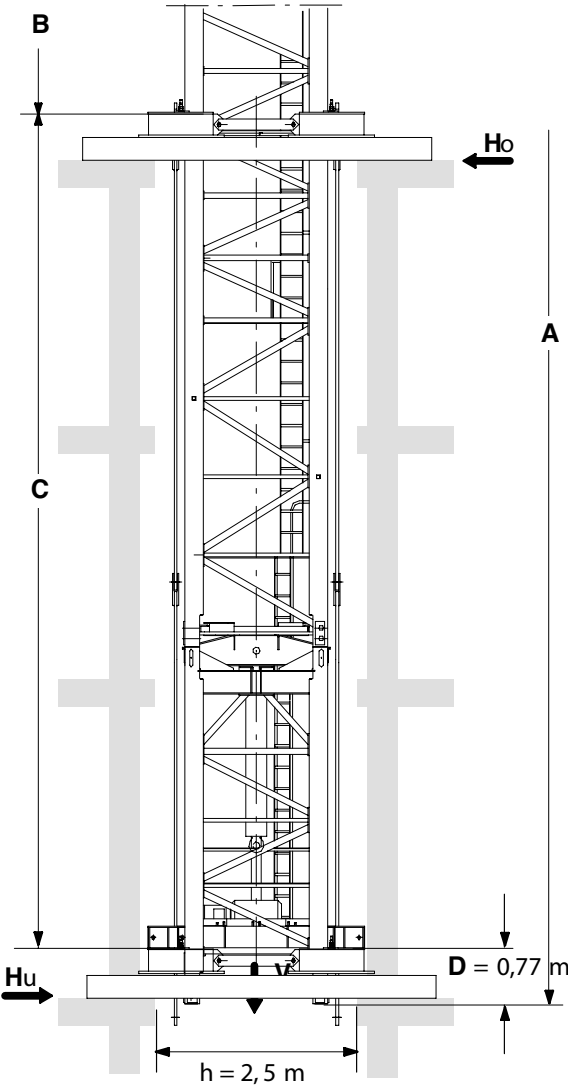
8.2.1 Inner climbing frame KSH 20 SH

Tower combinations for slewing tower cranes with inner climbing unit.

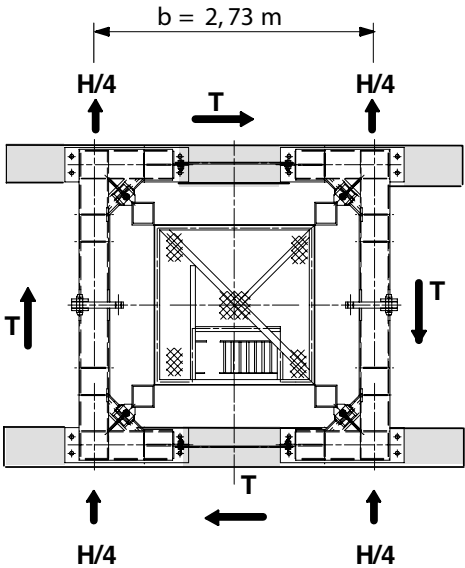
Item				
1	TV 20			
2	TV 20			
3	TV 20			
4	TV 20			
5	TV 20			
6	TV 20			
Inner climbing frame	KSH 20 SH			
Foundation	FUA 156 S			
Tower height [m]	42.0			

Climbing radius for the balancing weights

	Jib length [m]						
	60	55	50	45	40	35	30
no weight	53.3	-	-	-	-	-	-
TV 20.4 = 2.98 t	38.0	39.9	41.0	43.2	-	-	-
Weight = 5.0 t	-	-	-	35.1	36.1	-	-
Weight = 7.5 t	-	-	-	-	30.6	31.7	-
Weight = 10.0 t	-	-	-	-	-	25.3	26.0



$$C_{min} = 11,0\text{ m}$$
$$C_{max} = 14,0\text{ m}$$
$$H_o = \frac{M}{C} + H$$
$$H_u = H_o - H$$
$$T = \frac{M_D}{2 \times b}$$



A	Tower height	C	Distance between guide frames
W	A-C-D		

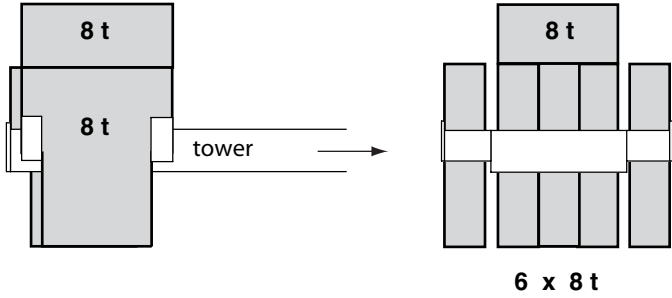
Operational clamping forces

Operational clamping forces [kN] inside a building								
A [m]	42.0				37.5			
C [m]	11	12	13	14	11	12	13	14
V	1519				1490			
Ho	550	510	470	440	530	490	450	420
Hu	500	460	420	390	480	440	400	370
T	60				60			

Non-operational clamping forces

Non-operational clamping forces [kN] inside a building								
A [m]	42.0				37.5			
C [m]	11	12	13	14	11	12	13	14
V	1364				1335			
Ho	930	860	790	730	810	750	690	640
Hu	650	570	500	450	540	470	420	370
T	0				0			

9 Arrangement of counterweight blocks

Jib length	60	55	50	45	40	35	30
Counterweights Total weight 48 t							
				5 x	8 tons suspended concrete weight		
				1 x	8 tons lying concrete weight		

