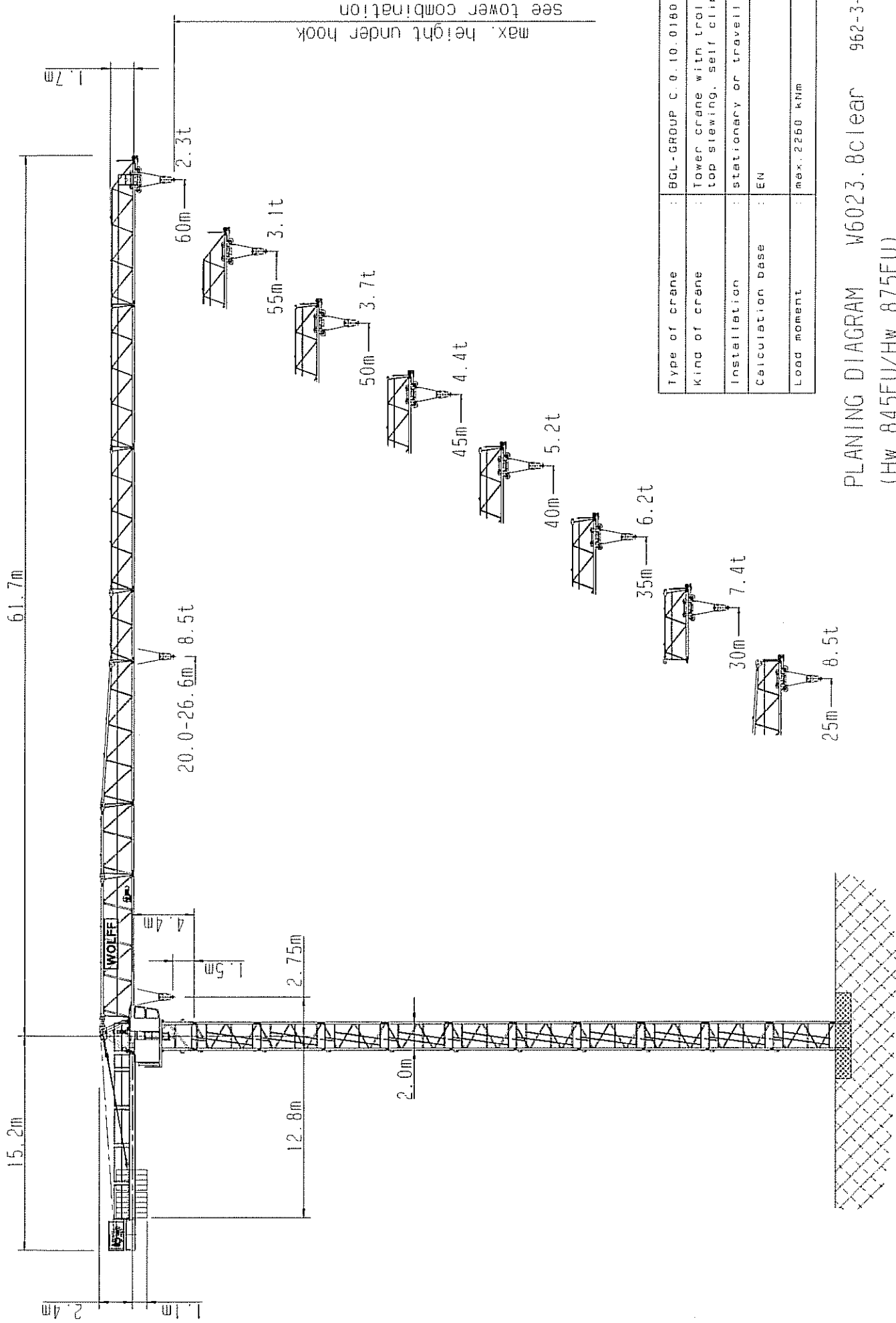


Type of crane	: BGL-GROUP C.0.10.0180
Kind of crane	: tower crane with trolley jib, top slewing, self climbing
Installation	: stationary or travelling
Calculation base	: EN
Load moment	: max. 2170 kNm

PLANING DIAGRAM W6023.6clear 962-3-029546-E  
(HW 628FU)



Type of crane	: BGL-GROUP C. 0. 10. 0160
Kind of crane	: Tower crane with trolley jib, top slewing, self climbing
Installation	: Stationary or travelling
Calculation base	: EN
Load moment	: max. 2250 kNm

PLANING DIAGRAM W6023.8clear 962-3-029545-E  
 (HW 845FU/HW 875FU)

2.2.1.1

Load capacity table

radius [m]		20	25	27,5	30	32,5	35	37,5	40	42,5	45	47,5	50	52,5	55	57,5	60		
length of jib [m]	60	2,75-26,6	6,2	6,2	6,0	5,4	4,9	4,5	4,2	3,9	3,6	3,3	3,1	2,9	2,7	2,6	2,4	2,3	load capacity [t]
	57,5	2,75-28,8	6,2	6,2	6,2	5,9	5,4	5,0	4,6	4,2	3,9	3,7	3,4	3,2	3,0	2,9	2,7		
	55	2,75-30,6	6,2	6,2	6,2	6,2	5,8	5,3	4,9	4,6	4,2	4,0	3,7	3,5	3,3	3,1			
	52,5	2,75-31,5	6,2	6,2	6,2	6,2	6,0	5,5	5,1	4,7	4,4	4,1	3,8	3,6	3,4				
	50	2,75-32,1	6,2	6,2	6,2	6,2	6,1	5,6	5,2	4,8	4,5	4,2	3,9	3,7					
	47,5	2,75-32,6	6,2	6,2	6,2	6,2	6,2	5,7	5,3	4,9	4,6	4,3	4,0						
	45	2,75-33,4	6,2	6,2	6,2	6,2	6,2	5,9	5,4	5,1	4,7	4,4							
	42,5	2,75-34,0	6,2	6,2	6,2	6,2	6,2	6,0	5,5	5,2	4,8								
	40	2,75-34,3	6,2	6,2	6,2	6,2	6,2	6,1	5,6	5,2									
	37,5	2,75-34,8	6,2	6,2	6,2	6,2	6,2	6,2	5,7										
	35	2,75-35,0	6,2	6,2	6,2	6,2	6,2	6,2											
	32,5	2,75-32,5	6,2	6,2	6,2	6,2	6,2												
	30	2,75-30,0	6,2	6,2	6,2	6,2													
	27,5	2,75-27,5	6,2	6,2	6,2														
	25	2,75-25,0	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 = 2,5 kg per meter hook path)

Arrangement of counterweight with hoisting winch

Hw 628 FU

<p><b>60 m jib</b> 7 x 2,7 t</p> <p>to tower →</p> <p><b>22,6 t</b></p>	<p><b>57,5 m jib</b> 7 x 2,7 t</p> <p>to tower →</p> <p><b>22,6 t</b></p>	<p><b>55 m jib</b> 6 x 2,7 t</p> <p>to tower →</p> <p><b>19,9 t</b></p>	<p><b>52,5 m jib</b> 6 x 2,7 t</p> <p>to tower →</p> <p><b>19,9 t</b></p>	<p><b>50 m jib</b> 6 x 2,7 t</p> <p>to tower →</p> <p><b>19,9 t</b></p>
<b>total weight [t]</b>				
<p><b>47,5 m jib</b> 6 x 2,7 t</p> <p>to tower →</p> <p><b>19,9 t</b></p>	<p><b>45 m jib</b> 5 x 2,7 t</p> <p>to tower →</p> <p><b>17,2 t</b></p>	<p><b>42,5 m jib</b> 5 x 2,7 t</p> <p>to tower →</p> <p><b>17,2 t</b></p>	<p><b>40 m jib</b> 5 x 2,7 t</p> <p>to tower →</p> <p><b>17,2 t</b></p>	<p><b>37,5 m jib</b> 4 x 2,7 t</p> <p>to tower →</p> <p><b>14,5 t</b></p>
<b>total weight [t]</b>				
<p><b>35 m jib</b> 4 x 2,7 t</p> <p>to tower →</p> <p><b>14,5 t</b></p>	<p><b>32,5 m jib</b> 4 x 2,7 t</p> <p>to tower →</p> <p><b>14,5 t</b></p>	<p><b>30 m jib</b> 3 x 2,7 t</p> <p>to tower →</p> <p><b>11,8 t</b></p>	<p><b>27,5 m jib</b> 3 x 2,7 t</p> <p>to tower →</p> <p><b>11,8 t</b></p>	<p><b>25 m jib</b> 2 x 2,7 t</p> <p>to tower →</p> <p><b>9,1 t</b></p>
<b>total weight [t]</b>				

2.2.1.2

**Load capacity table**

radius [m]		20	25	27,5	30	32,5	35	37,5	40	42,5	45	47,5	50	52,5	55	57,5	60	
length of jib [m]	60	2,75-20,0	8,5	6,6	6,0	5,4	4,9	4,5	4,2	3,9	3,6	3,3	3,1	2,9	2,7	2,6	2,4	2,3
	57,5	2,75-21,6	8,5	7,3	6,5	5,9	5,4	5,0	4,6	4,2	3,9	3,7	3,4	3,2	3,0	2,9	2,7	
	55	2,75-23,1	8,5	7,8	7,0	6,4	5,8	5,3	4,9	4,6	4,2	4,0	3,7	3,5	3,3	3,1		
	52,5	2,75-23,7	8,5	8,0	7,2	6,6	6,0	5,5	5,1	4,7	4,4	4,1	3,8	3,6	3,4			
	50	2,75-24,2	8,5	8,2	7,4	6,7	6,1	5,6	5,2	4,8	4,5	4,2	3,9	3,7				
	47,5	2,75-24,5	8,5	8,3	7,5	6,8	6,2	5,7	5,3	4,9	4,6	4,3	4,0					
	45	2,75-25,2	8,5	8,5	7,7	7,0	6,4	5,9	5,4	5,1	4,7	4,4						
	42,5	2,75-25,6	8,5	8,5	7,9	7,1	6,5	6,0	5,5	5,2	4,8							
	40	2,75-25,8	8,5	8,5	7,9	7,2	6,6	6,1	5,6	5,2								
	37,5	2,75-26,2	8,5	8,5	8,1	7,3	6,7	6,2	5,7									
	35	2,75-26,3	8,5	8,5	8,1	7,4	6,7	6,2										
	32,5	2,75-26,6	8,5	8,5	8,2	7,4	6,8											
	30	2,75-26,5	8,5	8,5	8,2	7,4												
	27,5	2,75-26,3	8,5	8,5	8,1													
	25	2,75-25,0	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 = 2,5 kg per meter hook path)



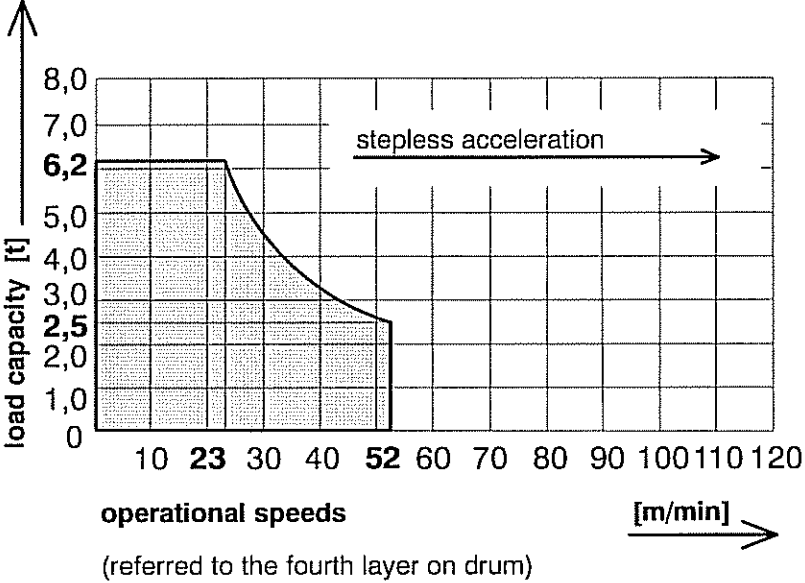
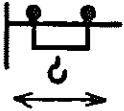
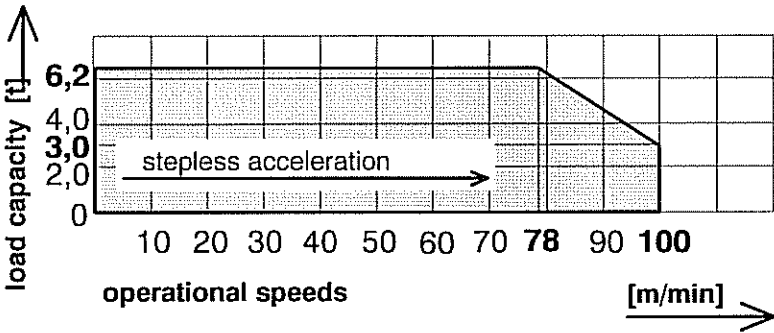


**Arrangement of counterweight with hoisting winch Hw 845 FU/Hw 875 FU**

<p><b>60 m jib</b> 7 x 2,7 t</p> <p>to tower →</p> <p><b>22,6 t</b></p>	<p><b>57,5 m jib</b> 7 x 2,7 t</p> <p>to tower →</p> <p><b>22,6 t</b></p>	<p><b>55 m jib</b> 6 x 2,7 t</p> <p>to tower →</p> <p><b>19,9 t</b></p>	<p><b>52,5 m jib</b> 6 x 2,7 t</p> <p>to tower →</p> <p><b>19,9 t</b></p>	<p><b>50 m jib</b> 6 x 2,7 t</p> <p>to tower →</p> <p><b>19,9 t</b></p>
<b>total weight [t]</b>				
<p><b>47,5 m jib</b> 6 x 2,7 t</p> <p>to tower →</p> <p><b>19,9 t</b></p>	<p><b>45 m jib</b> 5 x 2,7 t</p> <p>to tower →</p> <p><b>17,2 t</b></p>	<p><b>42,5 m jib</b> 5 x 2,7 t</p> <p>to tower →</p> <p><b>17,2 t</b></p>	<p><b>40 m jib</b> 5 x 2,7 t</p> <p>to tower →</p> <p><b>17,2 t</b></p>	<p><b>37,5 m jib</b> 4 x 2,7 t</p> <p>to tower →</p> <p><b>14,5 t</b></p>
<b>total weight [t]</b>				
<p><b>35 m jib</b> 4 x 2,7 t</p> <p>to tower →</p> <p><b>14,5 t</b></p>	<p><b>32,5 m jib</b> 4 x 2,7 t</p> <p>to tower →</p> <p><b>14,5 t</b></p>	<p><b>30 m jib</b> 3 x 2,7 t</p> <p>to tower →</p> <p><b>11,8 t</b></p>	<p><b>27,5 m jib</b> 3 x 2,7 t</p> <p>to tower →</p> <p><b>11,8 t</b></p>	<p><b>25 m jib</b> 2 x 2,7 t</p> <p>to tower →</p> <p><b>9,1 t</b></p>
<b>total weight [t]</b>				

2.2.2.1

Operational speeds



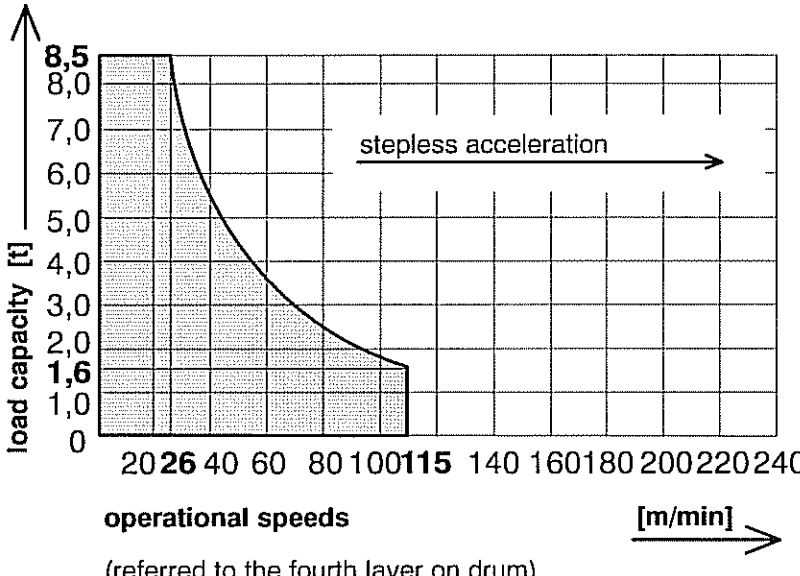

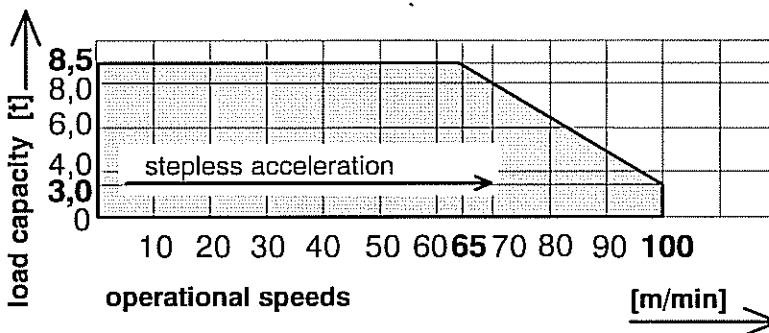

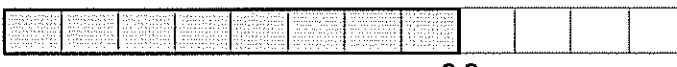
400 V, 50 Hz

drive [model]	operational speeds load capacity	max. lift [m]	output [kW]	total output [kVA]
<p>Hw 628 FU</p> 	<p>hoisting</p>   <p>load capacity [t]</p> <p>operational speeds [m/min]</p> <p>(referred to the fourth layer on drum)</p>	<p>190</p>	<p>28</p>	<p>47,0 total output for a simultaneity factor of 0,8</p>
<p>Kw</p> 	<p>travelling</p>  <p>load capacity [t]</p> <p>operational speeds [m/min]</p>		<p>7,5</p>	
<p>Dw</p> 	<p>slewing 0,8 min<sup>-1</sup></p>  <p>operational speeds [min<sup>-1</sup>]</p>		<p>7,5</p>	

2.2.2.2

Operational speeds



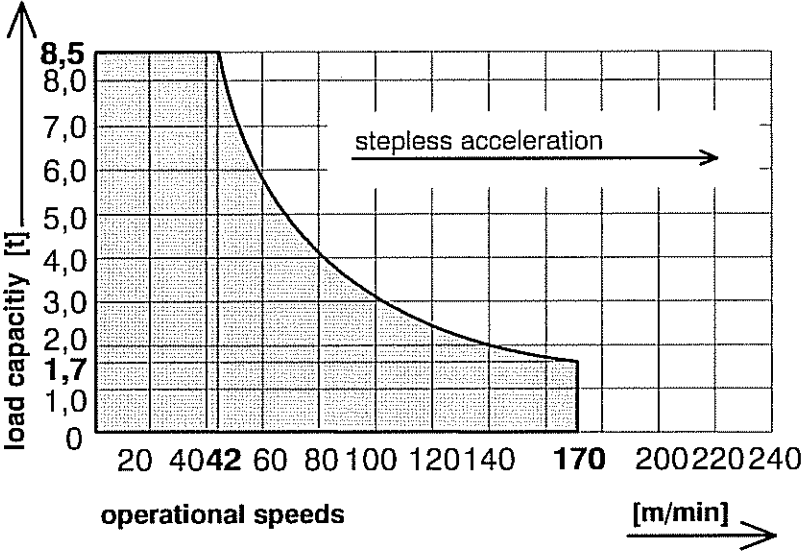
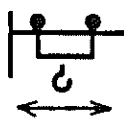
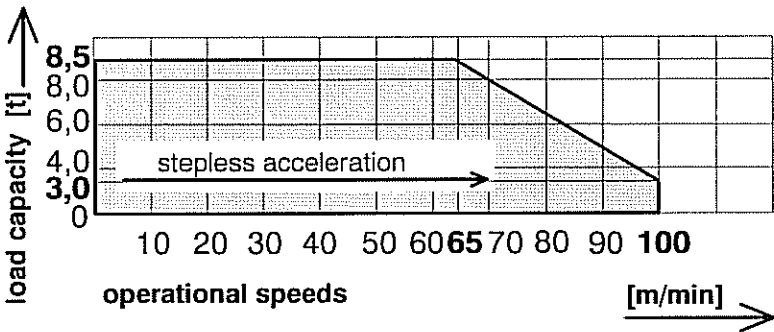
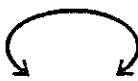
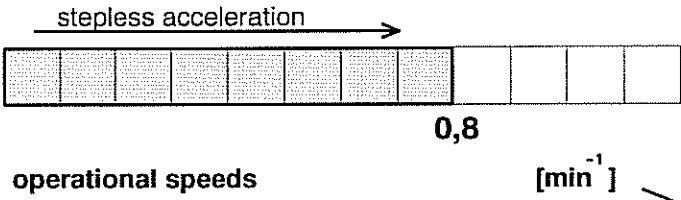
400 V, 50 Hz

drive [model]	operational speeds load capacity	max. lift [m]	output [kW]	total output [kVA]
<p><b>Hw 845 FU</b></p> 	<p><b>hoisting</b></p>   <p>load capacity [t]</p> <p>operational speeds [m/min]</p> <p>(referred to the fourth layer on drum)</p>	<p><b>190</b></p>	<p><b>45</b></p>	<p><b>62,0</b> total output for a simultaneity factor of 0,8</p>
<p><b>Kw</b></p> 	<p><b>travelling</b></p>  <p>load capacity [t]</p> <p>operational speeds [m/min]</p>		<p><b>7,5</b></p>	
<p><b>Dw</b></p> 	<p><b>slewing 0,80 min<sup>-1</sup></b></p>  <p>operational speeds [min<sup>-1</sup>]</p>		<p><b>7,5</b></p>	

2.2.2.3

Operational speeds

400 V, 50 Hz

drive [model]	operational speeds load capacity	max. lift [m]	output [kW]	total output [kVA]	
<p>Hw 875 FU</p> 	<p>hoisting</p>   <p>operational speeds [m/min] → (referred to the fourth layer on drum)</p>	<p>460</p>	<p>75</p>	<p>90,0 total output for a simultaneity factor of 0,8</p>	
<p>Kw</p> 	<p>travelling</p>  <p>operational speeds [m/min] →</p>		<p>7,5</p>		
<p>Dw</p> 	<p>slewing 0,80 min<sup>-1</sup></p>  <p>operational speeds [min<sup>-1</sup>] →</p>		<p>7,5</p>		



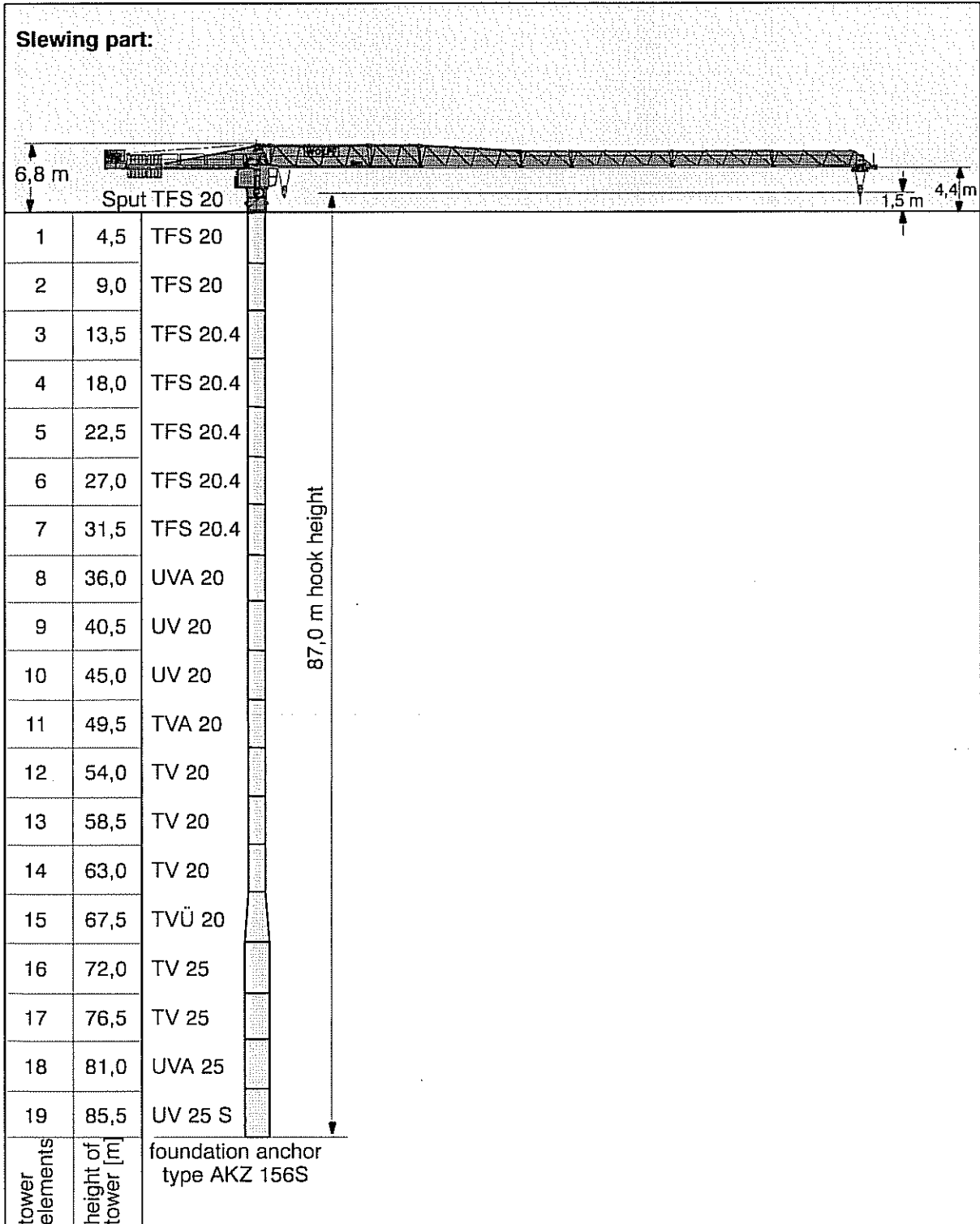


2.2.6.2

**Tower configuration**

**WOLFF 6023.6 / WOLFF 6023.8**

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



For data regarding foundation anchors see section 12.

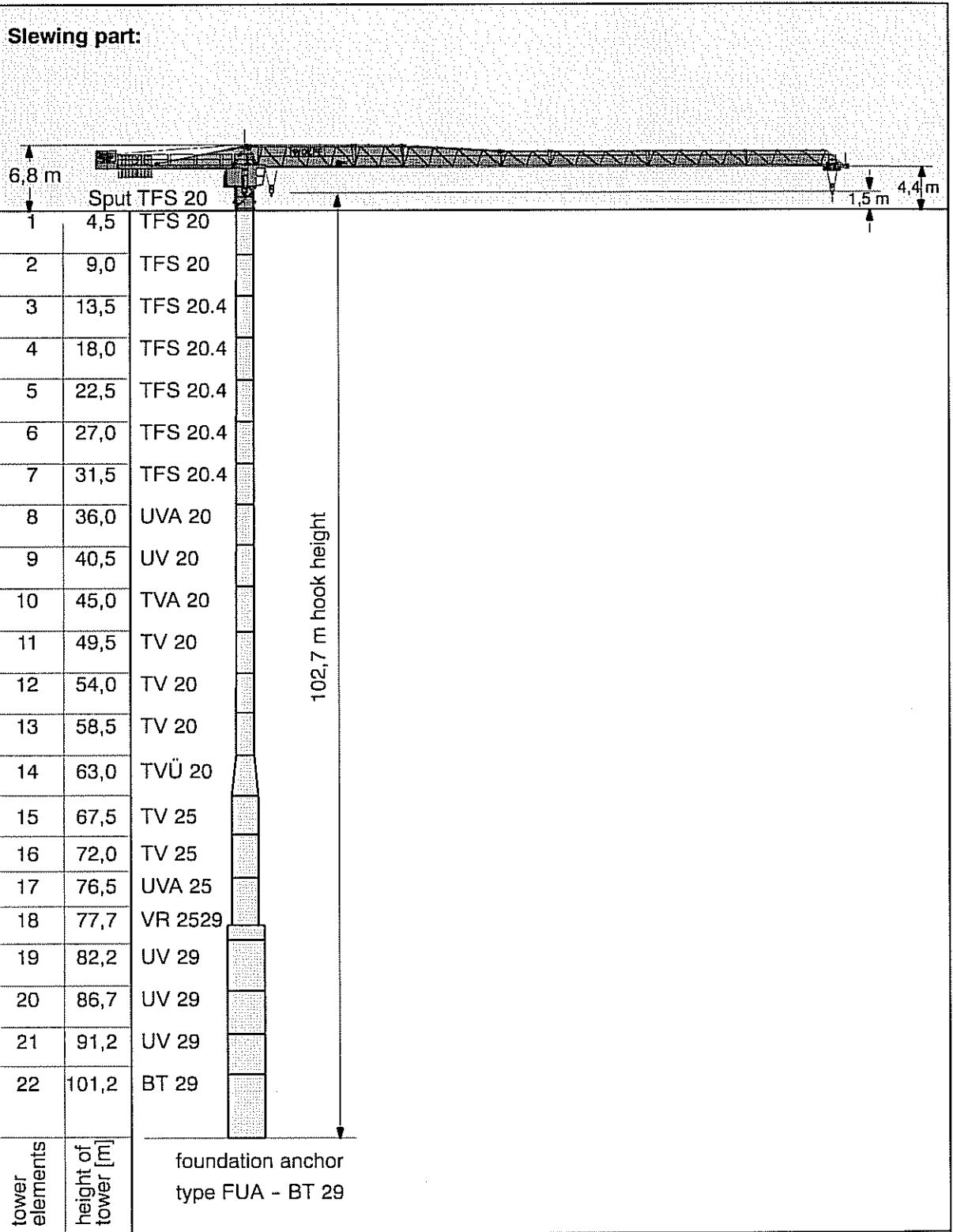
The tower configurations are recommended for economic crane installation and may be used in any case.

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.

2.2.6.3 **Tower configurations**

**WOLFF 6023.6 / WOLFF 6023.8**

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



For data regarding foundation anchors see section 12.

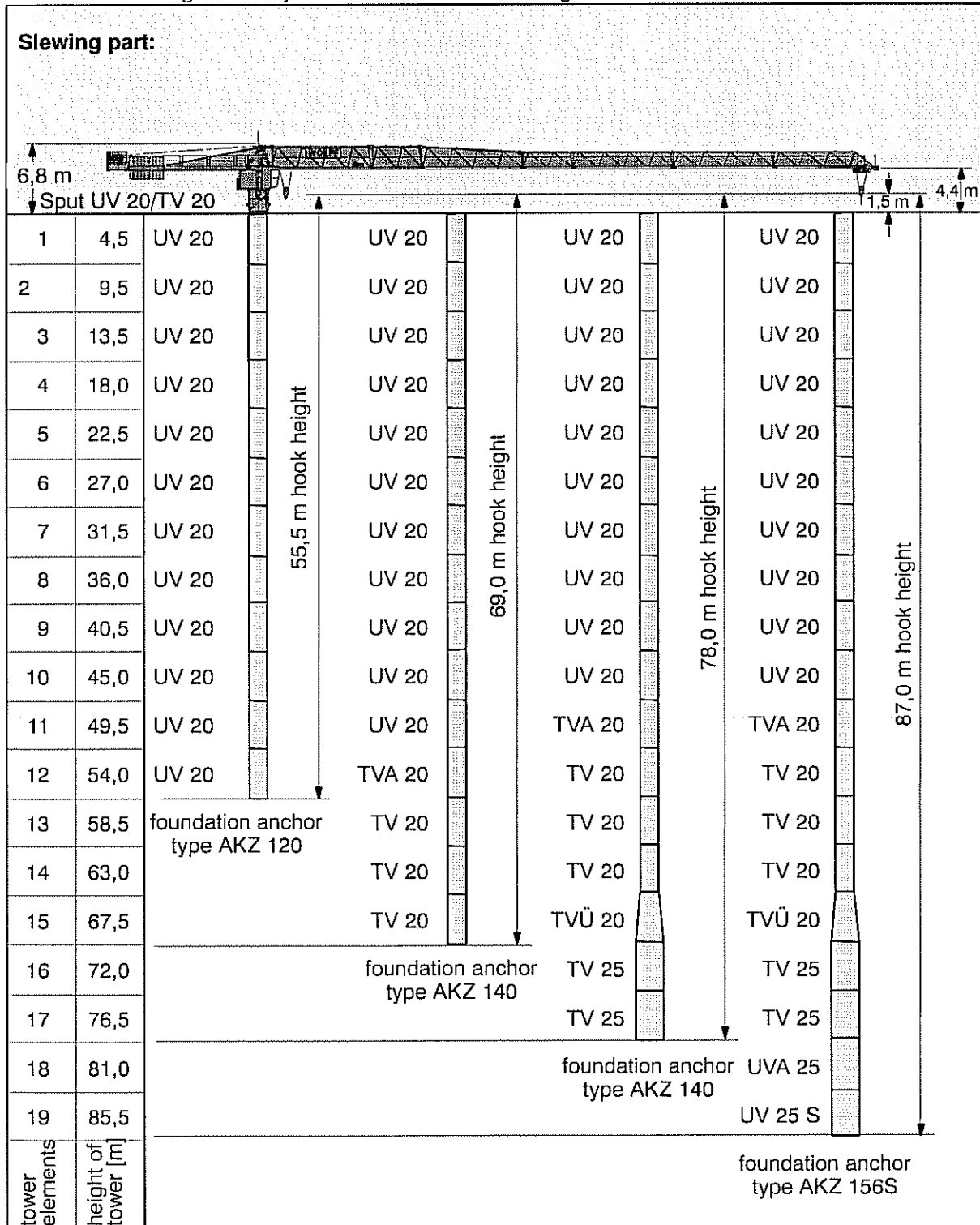
The tower configurations are recommended for economic crane installation and may be used in any case. Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane installation starts.

2.2.6.4

Tower configurations

WOLFF 6023.6 / WOLFF 6023.8

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

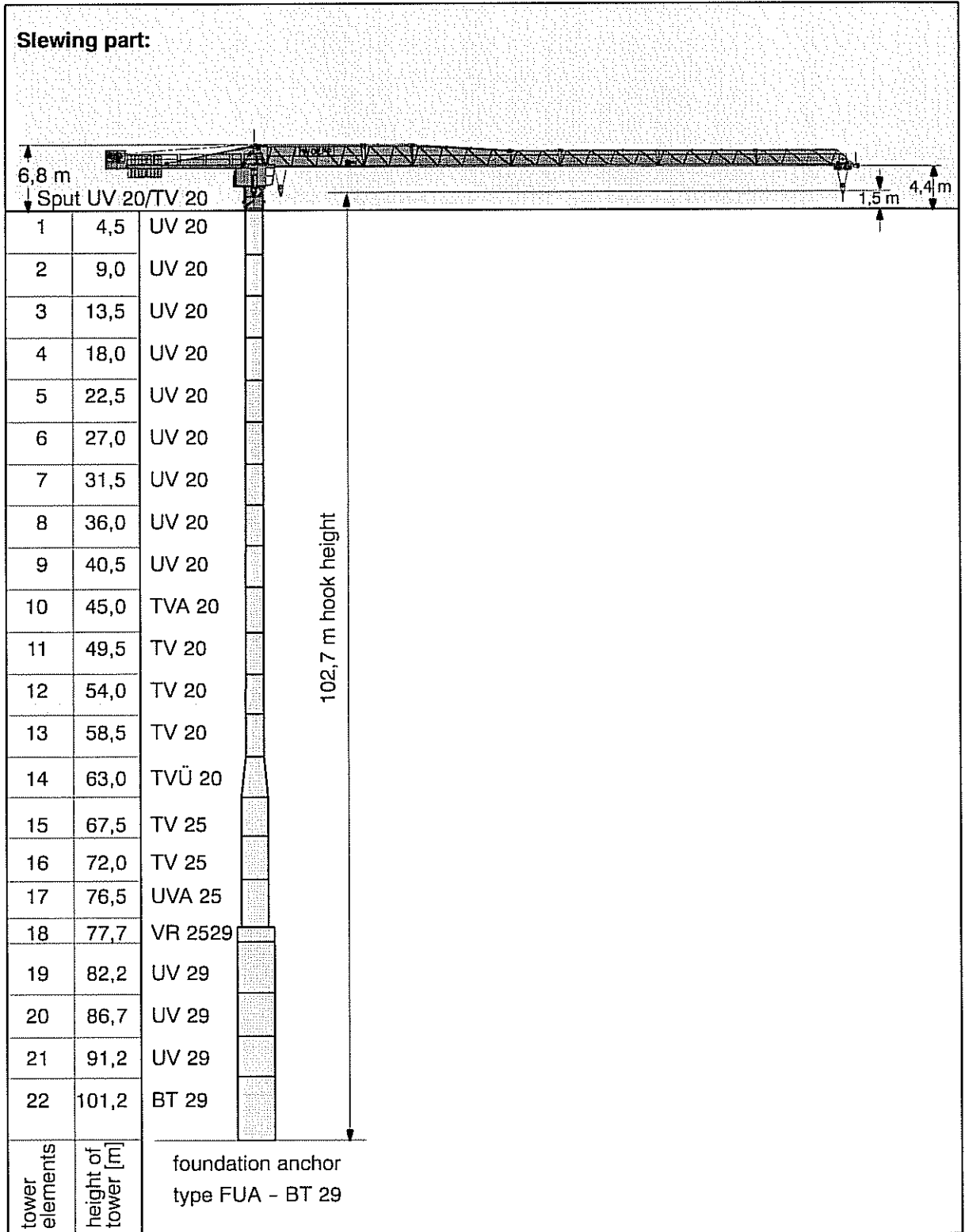


For data regarding foundation anchors see section 12.  
 The tower configurations are recommended for economic crane installation and may be used in any case.  
 Tower configurations with other tower elements are possible, but must be checked and confirmed by us in every individual case and before crane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

2.2.6.5 **Tower configurations**

**WOLFF 6023.6 / WOLFF 6023.8**

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

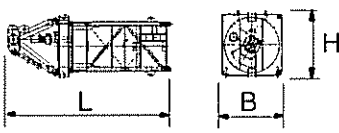

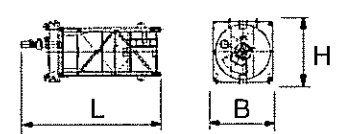
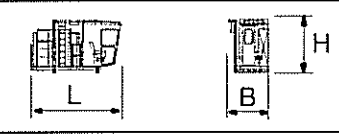
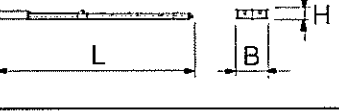
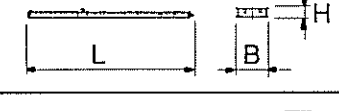



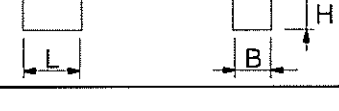


For data regarding foundation anchors see section 12.

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.

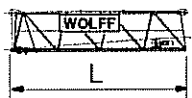
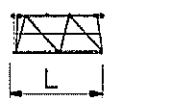
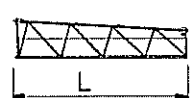

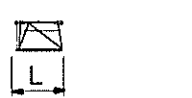

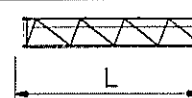
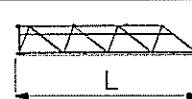
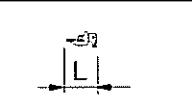
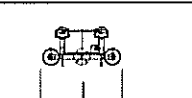
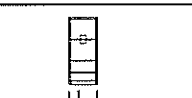
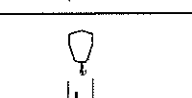
2.3.1

**Colli list**

Item	pcs.	Designation	Colli	L	B	H	weight	volume		
				(m)	(m)	(m)			(kg)	(m <sup>3</sup> )
1	1	tower top compl. with slewing frame KDV, slewing drive and slip ring system		UV 20 / TV 20 Sput					9065	38,97
				6,67	2,30	2,54				
				TFS 20 Sput					8325	38,97
6,67	2,30	2,54								
item 1 disassembled	upper part of tower with bracing brackets		2,33	0,58	2,81	1300	3,80			
			UV 20 / TV 20 Sput					7765	34,88	
	lower part of tower with slewing frame, KDV, slewing drive and slip ring system		5,97	2,30	2,54					
			TFS 20 Sput					7025	34,88	
2	1	drivers cabin with suspension and platform		4,46	1,96	2,55	2390	22,29		
3	1	counterjib with bracing bracket and standard handrail		14,04	2,30	0,80	6840	25,84		
		counterjib without ballast carrier and without loose parts		11,87	2,30	0,70	5280	19,11		
4	1	machinery platform Hw 628 FU		2,17	1,57	1,04	1760	3,54		
5	1	machinery platform Hw 845 FU		2,17	1,57	1,04	2035	3,54		
6	1	machinery platform Hw 875 FU		2,17	1,88	1,18	2375	4,82		
7	1	box (small part)		0,63	0,5	0,38	100	1,12		
Loose and small parts can be distributed depending on the available space.										


2.3.2

**Colli list**

Item	pcs.	Designation	Colli	L (m)	B (m)	H (m)	weight (kg)	volume (m <sup>3</sup> )
8	1	jib part 1 with trolley drive		10,32	1,20	2,55	2952	31,64
9	1	jib part 2		5,31	1,20	2,38	1033	15,17
10	1	jib part 3		10,29	1,20	2,34	1600	28,90
11	1	jib part 4		5,27	1,20	1,74	775	11,00
12	1	jib part 5		2,77	1,20	1,74	470	5,78
13	1	jib part 6		10,25	1,20	1,72	1365	21,16
14	1	jib part 7		10,17	1,20	1,70	1045	20,75
15	1	jib part 8		10,17	1,20	1,70	800	20,75
16	1	rope swivel traverse		0,99	1,09	0,45	126	0,49
17	1	trolley LK 8		1,87	1,36	0,95	290	2,42
18	1	maintenance cage LK 8		0,75	0,55	1,69	55	0,70
19	1	hook block U 6(8)		0,50	0,22	1,11	350	0,12
Loose and small parts can be distributed depending on the available space.								

2.2.3.1


**Load capacity [kg] in 2 fall operation**

radius [m]	length of jib [m]							
	25	27,5	30	32,5	35	37,5	40	42,5 
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
<b>25,0</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>
26,0		6200	6200	6200	6200	6200	6200	6200
27,0		6200	6200	6200	6200	6200	6200	6200
<b>27,5</b>		<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>
28,0			6200	6200	6200	6200	6200	6200
29,0			6200	6200	6200	6200	6200	6200
<b>30,0</b>			<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>
31,0				6200	6200	6200	6200	6200
32,0				6200	6200	6200	6200	6200
<b>32,5</b>				<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>
33,0					6200	6200	6200	6200
34,0					6200	6200	6200	6200
<b>35,0</b>					<b>6200</b>	<b>6200</b>	<b>6060</b>	<b>6000</b>
36,0						5970	5870	5810
37,0						5790	5690	5630
<b>37,5</b>						<b>5700</b>	<b>5600</b>	<b>5500</b>
38,0							5520	5460
39,0							5350	5300
<b>40,0</b>							<b>5200</b>	<b>5200</b>
41,0								5000
42,0								4870
<b>42,5</b>								<b>4800</b>
43,0								
44,0								
<b>45,0</b>								
46,0								
47,0								
<b>47,5</b>								
48,0								
49,0								
<b>50,0</b>								
51,0								
52,0								
<b>52,5</b>								
53,0								
54,0								
<b>55,0</b>								
56,0								
57,0								
<b>57,5</b>								
58,0								
59,0								
<b>60,0</b>								

the load capacities refer to a range of lift of 42,0 m

2.2.3.2

Load capacities [kg] in fall 2 operation


radius [m]	length of jib [m]							
	45	47,5	50	52,5	55	57,5	60	
20,0	6200	6200	6200	6200	6200	6200	6200	
21,0	6200	6200	6200	6200	6200	6200	6200	
22,0	6200	6200	6200	6200	6200	6200	6200	
23,0	6200	6200	6200	6200	6200	6200	6200	
24,0	6200	6200	6200	6200	6200	6200	6200	
<b>25,0</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	
26,0	6200	6200	6200	6200	6200	6200	6200	
27,0	6200	6200	6200	6200	6200	6200	6090	
<b>27,5</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6000</b>	
28,0	6200	6200	6200	6200	6200	6200	5840	
29,0	6200	6200	6200	6200	6200	6140	5610	
<b>30,0</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>6200</b>	<b>5900</b>	<b>5400</b>	
31,0	6200	6200	6200	6200	6120	5690	5200	
32,0	6200	6200	6200	6090	5900	5490	5010	
<b>32,5</b>	<b>6200</b>	<b>6200</b>	<b>6100</b>	<b>6000</b>	<b>5800</b>	<b>5400</b>	<b>4900</b>	
33,0	6200	6110	6020	5880	5700	5300	4840	
34,0	6080	5910	5820	5690	5510	5120	4670	
<b>35,0</b>	<b>5900</b>	<b>5700</b>	<b>5600</b>	<b>5500</b>	<b>5300</b>	<b>5000</b>	<b>4500</b>	
36,0	5700	5450	5450	5330	5160	4790	4370	
37,0	5520	5280	5280	5160	5000	4640	4230	
<b>37,5</b>	<b>5400</b>	<b>5200</b>	<b>5200</b>	<b>5100</b>	<b>4900</b>	<b>4600</b>	<b>4200</b>	
38,0	5360	5120	5420	5000	4840	4500	4090	
39,0	5200	4970	4970	4850	4700	4360	3970	
<b>40,0</b>	<b>5100</b>	<b>4900</b>	<b>4800</b>	<b>4700</b>	<b>4600</b>	<b>4200</b>	<b>3900</b>	
41,0	4910	4760	4690	4580	4430	4110	3740	
42,0	4770	4630	4560	4450	4310	3990	3630	
<b>42,5</b>	<b>4700</b>	<b>4600</b>	<b>4500</b>	<b>4400</b>	<b>4200</b>	<b>3900</b>	<b>3600</b>	
43,0	4640	4500	4430	4330	4190	3880	3530	
44,0	4520	4380	4310	4210	4080	3770	3430	
<b>45,0</b>	<b>4400</b>	<b>4300</b>	<b>4200</b>	<b>4100</b>	<b>4000</b>	<b>3700</b>	<b>3300</b>	
46,0		4160	4090	3990	3860	3580	3240	
47,0		4050	3990	3890	3760	3480	3160	
<b>47,5</b>		<b>4000</b>	<b>3900</b>	<b>3800</b>	<b>3700</b>	<b>3400</b>	<b>3100</b>	
48,0			3890	3790	3670	3390	3080	
49,0			3790	3700	3580	3310	3000	
<b>50,0</b>			<b>3700</b>	<b>3600</b>	<b>3500</b>	<b>3200</b>	<b>2900</b>	
51,0				3520	3410	3150	2850	
52,0				3440	3330	3070	2780	
<b>52,5</b>				<b>3400</b>	<b>3300</b>	<b>3000</b>	<b>2700</b>	
53,0					3250	3000	2710	
54,0					3170	2930	2640	
<b>55,0</b>					<b>3100</b>	<b>2900</b>	<b>2600</b>	
56,0						2790	2520	
57,0						2730	2460	
<b>57,5</b>						<b>2700</b>	<b>2400</b>	
58,0							2410	
59,0							2350	
<b>60,0</b>							<b>2300</b>	

the load capacities refer to a range of lift of 42,0 m



2.2.3.3


**Load capacities [kg] in 2 fall operation**

radius [m]	length of jib [m]							
	25	27,5	30	32,5	35	37,5	40	42,5 
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
<b>25,0</b>	<b>8500</b>	<b>8500</b>	<b>8500</b>	<b>8500</b>	<b>8500</b>	<b>8500</b>	<b>8500</b>	<b>8500</b>
26,0		8500	8500	8500	8500	8500	8430	8350
27,0		8260	8310	8350	8270	8230	8090	8010
<b>27,5</b>		<b>8100</b>	<b>8200</b>	<b>8200</b>	<b>8100</b>	<b>8100</b>	<b>7900</b>	<b>7900</b>
28,0			7990	8020	7950	7910	7770	7700
29,0			7680	7720	7650	7610	7480	7410
<b>30,0</b>			<b>7400</b>	<b>7400</b>	<b>7400</b>	<b>7300</b>	<b>7200</b>	<b>7100</b>
31,0				7170	7100	7060	6940	6880
32,0				6920	6860	6820	6700	6640
<b>32,5</b>				<b>6800</b>	<b>6700</b>	<b>6700</b>	<b>6580</b>	<b>6500</b>
33,0					6620	6590	6470	6410
34,0					6410	6370	6260	6200
<b>35,0</b>					<b>6200</b>	<b>6200</b>	<b>6100</b>	<b>6000</b>
36,0						5970	5870	5810
37,0						5790	5690	5630
<b>37,5</b>						<b>5700</b>	<b>5600</b>	<b>5500</b>
38,0							5520	5460
39,0							5320	5300
<b>40,0</b>							<b>5200</b>	<b>5200</b>
41,0								5000
42,0								4870
<b>42,5</b>								<b>4800</b>
43,0								
44,0								
<b>45,0</b>								
46,0								
47,0								
<b>47,5</b>								
48,0								
49,0								
<b>50,0</b>								
51,0								
52,0								
<b>52,5</b>								
53,0								
54,0								
<b>55,0</b>								
56,0								
57,0								
<b>57,5</b>								
58,0								
59,0								
<b>60,0</b>								

the load capacities refer to  
a range of lift of 42,0 m

2.2.3.4

**Load capacities [kg] in 2 fall operation**

radius [m]	length of jib [m]							
	45	47,5	50	52,5	55	57,5	60	
20,0	8500	8500	8500	8500	8500	8500	8500	
21,0	8500	8500	8500	8500	8500	8500	8060	
22,0	8500	8500	8500	8500	8500	8350	7650	
23,0	8500	8500	8500	8500	8500	7950	7290	
24,0	8500	8500	8500	8390	8140	7590	6950	
<b>25,0</b>	<b>8500</b>	<b>8300</b>	<b>8200</b>	<b>8000</b>	<b>7800</b>	<b>7300</b>	<b>6600</b>	
26,0	8200	7970	7850	7680	7450	6940	6350	
27,0	7870	7640	7530	7370	7140	6650	6090	
<b>27,5</b>	<b>7700</b>	<b>7500</b>	<b>7400</b>	<b>7200</b>	<b>7000</b>	<b>6500</b>	<b>6000</b>	
28,0	7560	7340	7240	7080	6860	6390	5840	
29,0	7270	7060	6960	6800	6600	6140	5610	
<b>30,0</b>	<b>7000</b>	<b>6800</b>	<b>6700</b>	<b>6600</b>	<b>6400</b>	<b>5900</b>	<b>5400</b>	
31,0	6750	6550	6460	63100	6120	5690	5200	
32,0	6510	6330	6230	6090	5900	5490	5010	
<b>32,5</b>	<b>6400</b>	<b>6200</b>	<b>6400</b>	<b>6000</b>	<b>5800</b>	<b>5400</b>	<b>4900</b>	
33,0	6290	6110	6020	5880	5700	5300	4840	
34,0	6080	5910	5820	5690	5510	5120	4670	
<b>35,0</b>	<b>5900</b>	<b>5700</b>	<b>5600</b>	<b>5500</b>	<b>5300</b>	<b>5000</b>	<b>4500</b>	
36,0	5700	5530	5450	5330	5160	4790	4370	
37,0	5520	5360	5280	5160	5000	4640	4230	
<b>37,5</b>	<b>5400</b>	<b>5300</b>	<b>5200</b>	<b>5100</b>	<b>4900</b>	<b>4600</b>	<b>4200</b>	
38,0	5390	5200	5120	5000	4840	4500	4090	
39,0	5200	5050	4970	4850	4700	4360	3970	
<b>40,0</b>	<b>5050</b>	<b>4900</b>	<b>4800</b>	<b>4700</b>	<b>4600</b>	<b>4200</b>	<b>3900</b>	
41,0	4910	4760	4690	4580	4430	4110	3740	
42,0	4770	4630	4560	4450	4310	3990	3630	
<b>42,5</b>	<b>4700</b>	<b>4600</b>	<b>4500</b>	<b>4400</b>	<b>4200</b>	<b>3900</b>	<b>3600</b>	
43,0	4640	4500	4430	4330	4190	3880	3530	
44,0	7520	4380	4310	4210	4080	3770	3430	
<b>45,0</b>	<b>4400</b>	<b>4300</b>	<b>4200</b>	<b>4100</b>	<b>4000</b>	<b>3700</b>	<b>3300</b>	
46,0		4160	4090	3990	3860	3580	3240	
47,0		4050	3990	3890	3760	3480	3160	
<b>47,5</b>		<b>4000</b>	<b>3900</b>	<b>3800</b>	<b>3700</b>	<b>3400</b>	<b>3100</b>	
48,0			3890	3790	3670	3390	3080	
49,0			3790	3700	3580	3310	3000	
<b>50,0</b>			<b>3700</b>	<b>3600</b>	<b>3500</b>	<b>3200</b>	<b>2900</b>	
51,0				3520	3410	3150	2850	
52,0				3440	3330	3070	2780	
<b>52,5</b>				<b>3400</b>	<b>3300</b>	<b>3000</b>	<b>2700</b>	
53,0					3250	3000	2710	
54,0					3170	2930	2640	
<b>55,0</b>					<b>3100</b>	<b>2900</b>	<b>2600</b>	
56,0						2790	2520	
57,0						2730	2460	
<b>57,5</b>						<b>2700</b>	<b>2400</b>	
58,0							2410	
59,0							2350	
<b>60,0</b>							<b>2300</b>	

the load capacities refer to a range of lift of 42,0 m

2.5.1

**Assembly weights - slewing part**

<b>Tower top complete - tower connection UV 20 / TV 20 Sput</b>		
tower top complete with slewing frame, KDV, slewing drive and slip ring system		<b>9 065 kg</b>
- upper part of tower compl. with bracing brackets	1 300 kg	
- lower part of tower compl. with bracing brackets and slip ring system	7 765 kg	
<b>Tower top complete - tower connection TFS 20 Sput</b>		
tower top complete with slewing frame, KDV, slewing drive and slip ring system		<b>8 325 kg</b>
- upper part of tower compl. with bracing brackets	1 300 kg	
- lower part of tower compl. with bracing brackets and slip ring system	7 025 kg	
<b>Driver's cabin complete</b>		
driver's cabin with suspension and platform		<b>2 390 kg</b>
<b>Counterjib with Hw 628 FU complete</b>		<b>12 300 kg</b>
counterweight stone 3,7 t (machinery platform) machinery platform Hw 628 FU with hoist rope (Ø 16 mm x 200 mm) 2 bracing brackets (2 x 7840 mm) and standard handrail		
- counter jib with 2 bracing brackets and standard handrail	6 840 kg	
- machinery platform Hw 628 FU + hoist rope (Ø 16 mm x 200 m)	1 760 kg	
- counterweight stone 3,7 t	3 700 kg	
<b>Counterjib with Hw 845 FU complete</b>		<b>12 575 kg</b>
counterweight stone 3,7 t (machinery platform) machinery platform Hw 845 FU with hoist rope (Ø 16 mm x 200 mm) 2 bracing brackets (2 x 7840 mm) and standard handrail		
- counter jib with 2 bracing brackets and standard handrail	6 840 kg	
- machinery platform Hw 845 FU + hoist rope (Ø 16 mm x 200 m)	2 035 kg	
- counterweight stone 3,7 t	3 700 kg	
<b>Counterjib with Hw 875 FU complete</b>		<b>12 915 kg</b>
counterweight stone 3,7 t (machinery platform) machinery platform Hw 875 FU + hoist rope (Ø 16 mm x 200 mm) 2 bracing brackets (2 x 7840 mm) and standard handrail		
- counter jib with 2 bracing brackets and standard handrail	6 840 kg	
- machinery platform Hw 875 FU + hoist rope (Ø 16 mm x 200 m)	2 375 kg	
- counterweight stone 3,7 t	3 700 kg	

## 2.5.2

**Assembly weights - slewing part**

<b>60 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>10 400 kg</b>
<b>57,5 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>10 100 kg</b>
<b>55 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>9 620 kg</b>
<b>52,5 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>9 500 kg</b>
<b>50 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>9 600 kg</b>
<b>47,5 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>9 300 kg</b>
<b>45 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>8 820 kg</b>
<b>42,5 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>8 700 kg</b>
<b>40 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>8 550 kg</b>
<b>37,5 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>8 250 kg</b>

## 2.5.3

**Assembly weights - slewing part**

<b>35 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>7 770 kg</b>
<b>32,5 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>7 650 kg</b>
<b>30 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>7 170 kg</b>
<b>27,5 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>6 870 kg</b>
<b>25 m</b>	<b>Trolley jib complete</b> - trolley, trolley ropes, hook block and standard handrail	<b>6 390 kg</b>