



2.2.1.1 Load capacity table

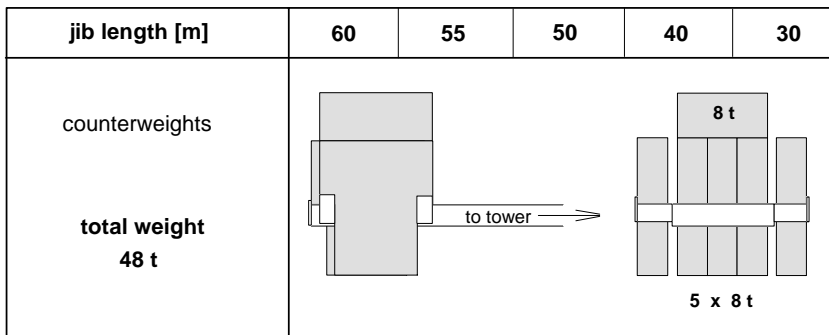
radius [m]			20	25	30	35	40	45	50	55	60	load capacity [t]	
jib length [m]	60												
	55												
	50		5,0 - 15,0	19,9	15,0	11,7	9,4	7,7	6,3	5,2			
	40		4,2 - 16,0	21,9	17,0	13,8	11,5	9,7					
	30		3,3 - 18,0	24,9	19,2	15,4							

radius [m]			20	25	30	35	40	45	50	55	60	load capacity [t]
jib length [m]	60		5,8 - 25,0	14,0	14,0	10,6	8,1	6,3	4,8	3,7	2,8	
	55		5,4 - 26,0	14,0	14,0	11,3	8,9	7,0	5,6	4,4	3,5	
	50		5,0 - 27,0	14,0	14,0	12,2	9,8	8,0	6,6	5,5		
	40		4,2 - 30,0	14,0	14,0	14,0	11,7	10,0				
	30		3,3 - 30,0	14,0	14,0	14,0						

The load capacities refer to a tower height of 45,0 m. With greater tower heights the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 7,30 kg per meter hook path, with 1 fall operation = 3,65 kg per meter hook path).


Arrangement of counterweights


Hw 28110 KFU



2.2.1.2 Load capacity table

(these load values are switch-off values)

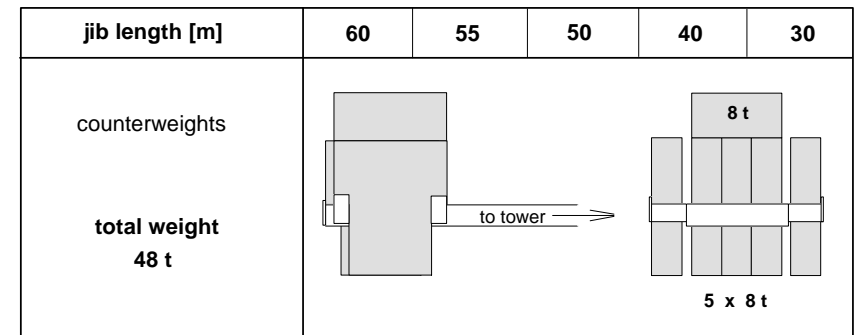
radius [m]			20	25	30	35	40	45	50	55	60	load capacity [t]	
jib length [m]	60												
	55												
	50		5,0 - 15,5	20,9	16,0	12,8	10,5	8,7	7,4	6,3			
	40		4,2 - 17,0	23,5	18,4	15,0	12,6	10,8					
	30		3,3 - 19,0	26,5	20,8	17,0							

radius [m]			20	25	30	35	40	45	50	55	60	load capacity [t]
jib length [m]	60		5,8 - 26,0	14,0	14,0	11,3	8,8	7,0	5,5	4,3	3,4	
	55		5,4 - 27,5	14,0	14,0	12,4	9,9	8,0	6,5	5,4	4,4	
	50		5,0 - 29,0	14,0	14,0	13,4	11,0	9,2	7,7	6,6		
	40		4,2 - 32,5	14,0	14,0	14,0	12,9	11,1				
	30		3,3 - 30,0	14,0	14,0	14,0						

The load capacities refer to a tower height of 45,0 m. With greater tower heights the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 7,30 kg per meter hook path, with 1 fall operation = 3,65 kg per meter hook path).

Arrangement of counterweights

Hw 28110 KFU



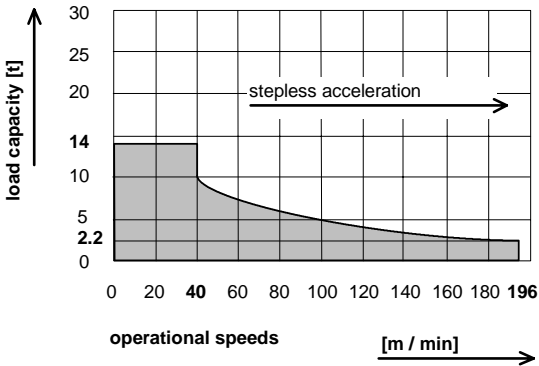

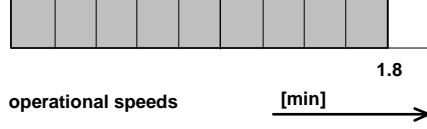

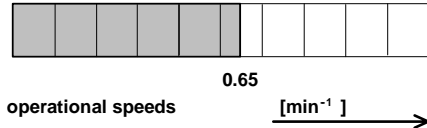


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2.2.2.1 Operational speeds 400 V, 50 Hz



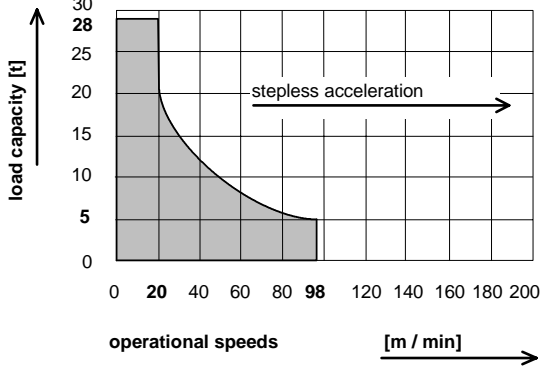

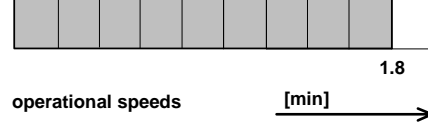

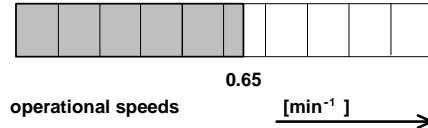
drive [model]	operational speeds load capacity [1-fall operation]	hook path max. [m]	output [kW]	total output [kVA]
Hw 28110KFU	hoisting 	460	110	194 total output for a simultaneity factor of 0,8
	 <p>load capacity [t]</p> <p>operational speeds [m / min]</p> <p>[referred to the 6th layer on hoisting drum]</p>			
Ew 1575KFU	jib up - down		75	
	 <p>operational speeds [min]</p>			
Dw	slewing	1 x	7,5	
	 <p>operational speeds [min⁻¹]</p>			

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2.2.2.2 Operational speeds 400 V, 50 Hz

drive [model]	operational speeds load capacity [2-fall operation]	hook path max. [m]	output [kW]	total output [kVA]
Hw 28110KFU	hoisting 	230	110	194 total output for a simultaneity factor of 0,8
	 <p>load capacity [t]</p> <p>operational speeds [m / min]</p> <p>[referred to the 6th layer on hoisting drum]</p>			
Ew 1575KFU	jib up - down		75	
	 <p>operational speeds [min]</p>			
Dw	slewing	1 x	7,5	
	 <p>operational speeds [min⁻¹]</p>			

2.2.3.1

Load capacity table [kg] for 2 fall operation

DIN 15018/H1 - B3


radius [m]	30	40	50	55	60 
16,0	28 000	28 000	25 950		
17,0	28 000	26 200	24 150		
18,0	28 000	24 600	22 550		
19,0	26 350	23 200	21 150		
20,0	24 900	21 900	19 900		
21,0	23 500	20 750	18 700		
22,0	22 250	19 700	17 650		
23,0	21 150	18 700	16 650		
24,0	20 150	17 850	15 800		
25,0	19 200	17 000	15 000		
26,0	18 300	16 250	14 200		
27,0	17 500	15 550	13 500		
28,0	16 750	14 900	12 900		
29,0	16 050	14 300	12 300		
30,0	15 400	13 800	11 700		
31,0		13 250	11 200		
32,0		12 750	10 700		
33,0		12 300	10 250		
34,0		11 850	9 800		
35,0		11 500	9 400		
36,0		11 050	9 000		
37,0		10 700	8 650		
38,0		10 350	8 300		
39,0		10 000	7 950		
40,0		9 700	7 700		
41,0			7 350		
42,0			7 050		
43,0			6 800		
44,0			6 550		
45,0			6 300		
46,0			6 050		
47,0			5 800		
48,0			5 600		
49,0			5 400		
50,0			5 200		
51,0					
52,0					
53,0					
54,0					
55,0					
56,0					
57,0	The load capacities refer to a tower height of 45,0 m. With greater tower heights the safe working load will be minimized by the additional weight of the hoisting cable = 7.296 kg per meter hook path.				
58,0					
59,0					
60,0					

962-4-023237E

2.2.3.2

Load capacity table [kg] for 2 fall operation

DIN 15018/H1 - B3

radius [m]	30	40	50	55	60 
16,0	28 000	28 000	27 020		
17,0	28 000	28 000	25 230		
18,0	28 000	26 340	23 630		
19,0	28 000	24 850	22 210		
20,0	26 500	23 500	20 900		
21,0	25 140	22 300	19 760		
22,0	23 910	21 200	18 710		
23,0	22 780	20 200	17 750		
24,0	21 750	19 280	16 860		
25,0	20 800	18 400	16 000		
26,0	19 920	17 650	15 300		
27,0	19 110	16 920	14 610		
28,0	18 360	16 250	13 960		
29,0	17 660	15 620	13 360		
30,0	17 000	15 000	12 800		
31,0		14 490	12 280		
32,0		13 980	11 780		
33,0		13 500	11 320		
34,0		13 040	10 890		
35,0		12 600	10 500		
36,0		12 210	10 090		
37,0		11 830	9 730		
38,0		11 470	9 380		
39,0		11 130	9 050		
40,0		10 800	8 700		
41,0			8 440		
42,0			8 160		
43,0			7 890		
44,0			7 630		
45,0			7 400		
46,0			7 150		
47,0			6 920		
48,0			6 710		
49,0			6 500		
50,0			6 300		
51,0					
52,0					
53,0					
54,0					
55,0					
56,0					
57,0	The load capacities refer to a tower height of 45,0 m. With greater tower heights the safe working load will be minimized by the additional weight of the hoisting cable = 7.296 kg per meter hook path.				
58,0					
59,0					
60,0					

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2.2.3.3

Load capacity cable [kg] for 1 fall operation

DIN 15018/H1 - B3

radius [m]	30	40	50	55	60 
16,0	14 000	14 000	14 000	14 000	14 000
17,0	14 000	14 000	14 000	14 000	14 000
18,0	14 000	14 000	14 000	14 000	14 000
19,0	14 000	14 000	14 000	14 000	14 000
20,0	14 000	14 000	14 000	14 000	14 000
21,0	14 000	14 000	14 000	14 000	14 000
22,0	14 000	14 000	14 000	14 000	14 000
23,0	14 000	14 000	14 000	14 000	14 000
24,0	14 000	14 000	14 000	14 000	14 000
25,0	14 000	14 000	14 000	14 000	14 000
26,0	14 000	14 000	14 000	14 000	13 210
27,0	14 000	14 000	14 000	13 260	12 480
28,0	14 000	14 000	13 350	12 580	11 800
29,0	14 000	14 000	12 750	11 940	11 160
30,0	14 000	14 000	12 200	11 300	10 600
31,0		13 500	11 600	10 790	10 020
32,0		13 000	11 100	10 270	9 500
33,0		12 550	10 650	9 780	9 010
34,0		12 100	10 200	9 310	8 560
35,0		11 700	9 800	8 900	8 100
36,0		11 350	9 400	8 470	7 710
37,0		10 950	9 000	8 080	7 330
38,0		10 650	8 650	7 710	6 960
39,0		10 300	8 300	7 360	6 620
40,0		10 000	8 000	7 000	6 300
41,0			7 700	6 710	5 970
42,0			7 400	6 410	5 670
43,0			7 100	6 130	5 390
44,0			6 850	5 850	5 120
45,0			6 600	5 600	4 800
46,0			6 350	5 340	4 610
47,0			6 150	5 100	4 370
48,0			5 900	4 870	4 140
49,0			5 700	4 650	3 920
50,0			5 500	4 400	3 700
51,0				4 240	3 510
52,0				4 040	3 320
53,0				3 860	3 130
54,0				3 670	2 950
55,0				3 500	2 800
56,0					2 610
57,0					2 450
58,0					2 300
59,0					2 150
60,0					2 000

The load capacities refer to a tower height of 45,0 m. With greater tower heights the safe working load will be minimized by the additional weight of the hoisting cable = 3.648 kg per meter hook path.

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CCplus


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2.2.3.3

Load capacity table [kg] for 1 fall operation

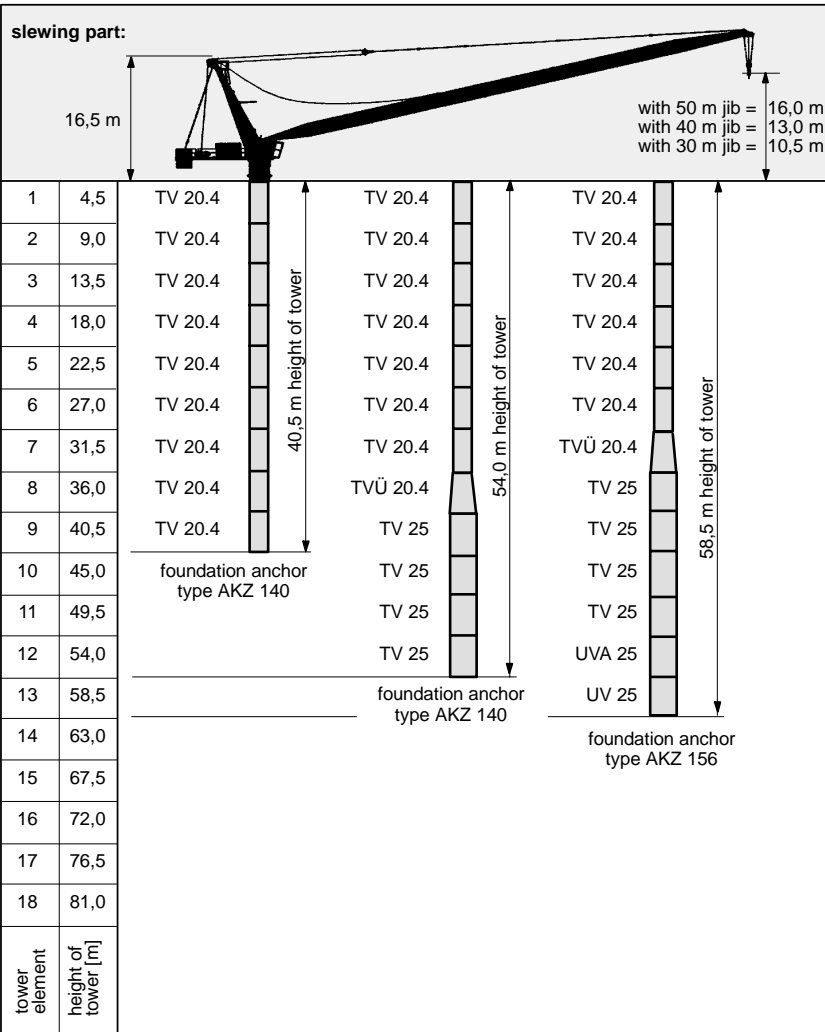
DIN 15018/H1 - B3

Ausladung [m]	30	40	50	55	60 
16,0	14 000	14 000	14 000	14 000	14 000
17,0	14 000	14 000	14 000	14 000	14 000
18,0	14 000	14 000	14 000	14 000	14 000
19,0	14 000	14 000	14 000	14 000	14 000
20,0	14 000	14 000	14 000	14 000	14 000
21,0	14 000	14 000	14 000	14 000	14 000
22,0	14 000	14 000	14 000	14 000	14 000
23,0	14 000	14 000	14 000	14 000	14 000
24,0	14 000	14 000	14 000	14 000	14 000
25,0	14 000	14 000	14 000	14 000	14 000
26,0	14 000	14 000	14 000	14 000	14 000
27,0	14 000	14 000	14 000	14 000	13 260
28,0	14 000	14 000	14 000	13 660	12 560
29,0	14 000	14 000	14 000	13 010	11 920
30,0	14 000	14 000	13 400	12 400	11 300
31,0		14 000	12 860	11 830	10 760
32,0		14 000	12 350	11 300	10 230
33,0		13 770	11 860	10 800	9 730
34,0		13 320	11 410	10 330	9 230
35,0		12 900	11 000	9 900	8 800
36,0		12 500	10 570	9 470	8 410
37,0		12 120	10 190	9 070	8 020
38,0		11 760	9 830	8 700	7 650
39,0		11 420	9 480	8 340	7 290
40,0		11 100	9 200	8 000	7 000
41,0			8 840	7 680	6 640
42,0			8 550	7 370	6 340
43,0			8 260	7 080	6 050
44,0			7 990	6 800	5 770
45,0			7 700	6 500	5 500
46,0			7 490	6 280	5250
47,0			7 250	6 030	5 010
48,0			7 030	5 800	4 780
49,0			6 810	5 580	4 560
50,0			6 600	5 400	4 300
51,0				5 150	4 140
52,0				4 950	3 940
53,0				4 760	3 750
54,0				4 580	3 570
55,0				4 400	3 400
56,0					3 220
57,0					3 060
58,0					2 900
59,0					2 750
60,0					2 600

The load capacities refer to a tower height of 45,0 m. With greater tower heights the safe working load will be minimized by the additional weight of the hoisting cable = 3.648 kg per meter hook path.

2.2.6.1 Tower configurations 30 m to 50 m jib

for a free standing stationary crane without climbing device on a concrete foundation

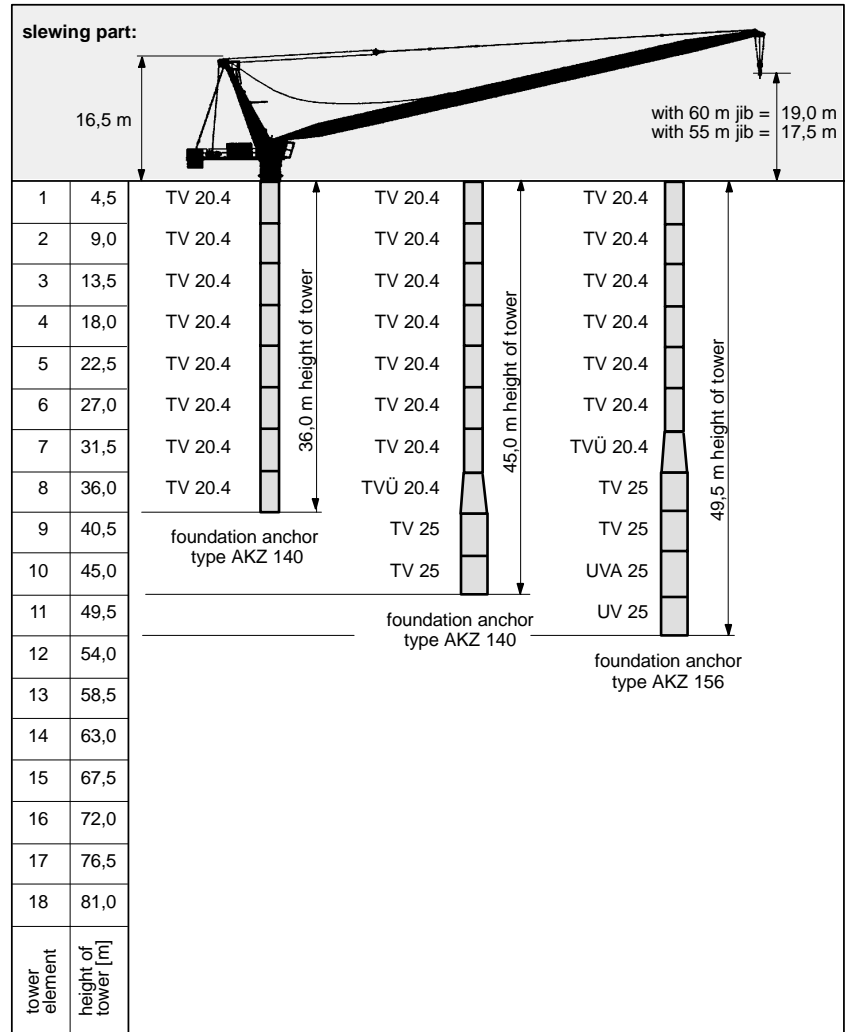


For data regarding foundation anchors see section 12. The tower configurations shown here are recommended for economic crane installation.

Tower configurations with other tower elements are possible, but must be checked and confirmed by the manufacturer before assembly.

2.2.6.2 Tower configurations 55 m to 60 m jib

for a free standing stationary crane without climbing device on a concrete foundation



For data regarding foundation anchors see section 12. The tower configurations shown here are recommended for economic crane installation.

Tower configurations with other tower elements are possible, but must be checked and confirmed by the manufacturer before assembly.