

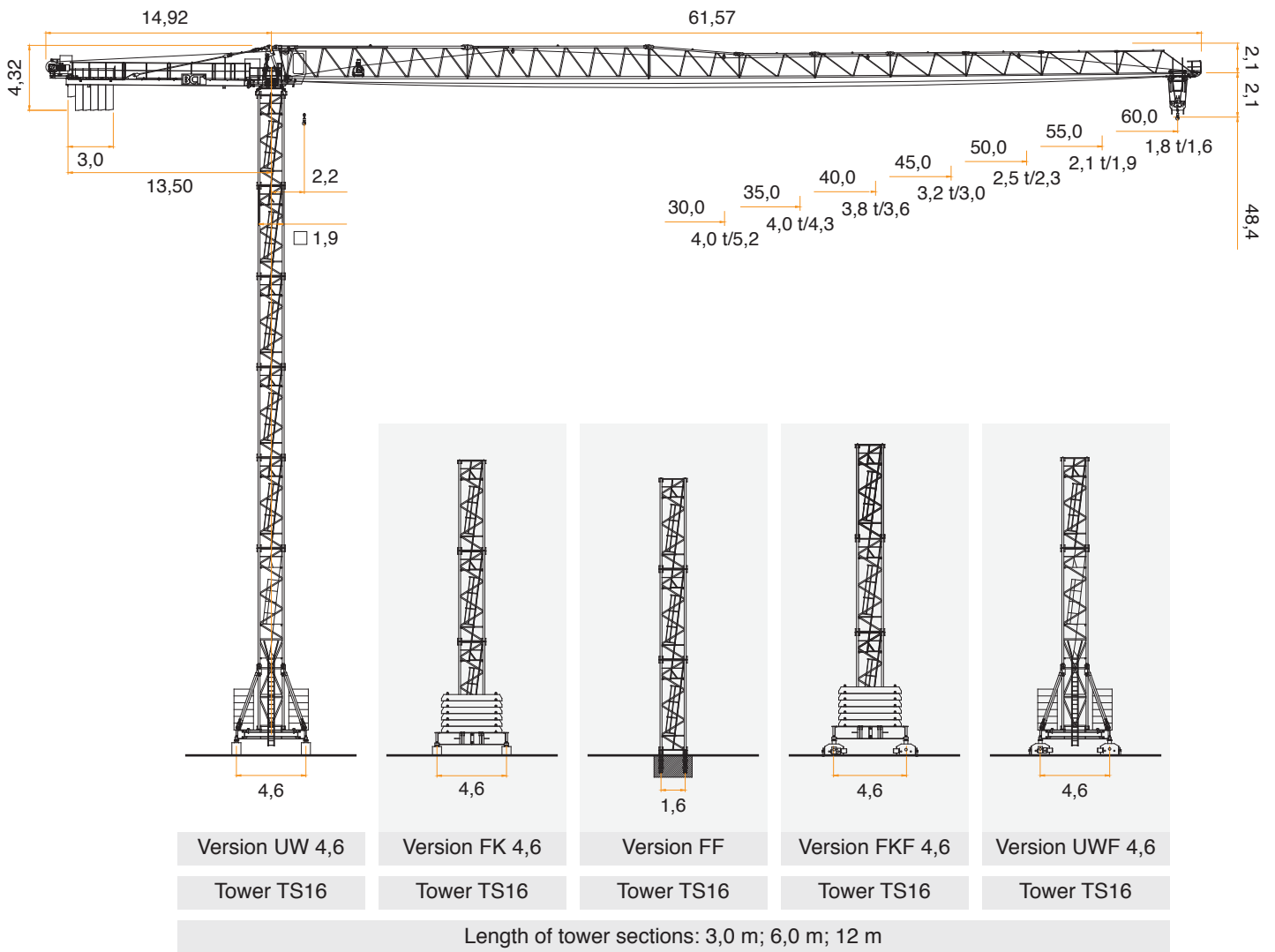


Tower crane **BCT 140**

Rated load: **1640** kNm
Lifting capacity max: **8,0** t
Max radius: **60,0** m

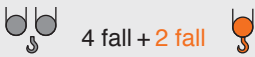
Technical data


Hook height free standing crane	
Cross frame FK 4,6 on foundation blocks	42,6 m
Cross frame FK 4,6 on travelling carriages	39,6 m
Base type (version FF)	47,4 m*
Cross frame UW 4,6 on foundation blocks	48,4 m
Cross frame UW 4,6 on travelling carriages	42,4 m
Hook height anchored crane	
4 fall	108,4 m
2 fall	216,8 m















- Solid construction for long lifetime
- Low transport costs through compact dimensions
- Fast and simple erection and dismanteling
- Low maintenance cost

Radius and capacity

Jib	8,0 t lifting capacity with radius, m	Radius (m) and lifting capacity (t)										
		 4 fall + 2 fall										
	metres >	17,5	20,0	22,5	25,0	30,0	35,0	40,0	45,0	50,0	55,0	60,0
60,0 m	2,2-16,40	7,42	6,36	5,54	4,90	3,94	3,26	2,76	2,37	2,06	1,81	1,60
55,0 m	2,2-16,74	7,60	6,52	5,69	5,04	4,06	3,38	2,87	2,47	2,16	1,90	
50,0 m	2,2-17,37	7,93	6,82	5,96	5,28	4,27	3,56	3,03	2,63	2,30		
45,0 m	2,2-19,30	8,00	7,68	6,73	5,97	4,84	4,05	3,46	3,00			
40,0 m	2,2-19,95	8,00	7,98	6,99	6,20	5,03	4,21	3,60				
35,0 m	2,2-20,30	8,00	8,00	7,13	6,33	5,14	4,30					
30,0 m	2,2-20,51	8,00	8,00	7,21	6,40	5,20						

Jib	4,0 t lifting capacity with radius, m	Radius (m) and lifting capacity (t)							
		 2 fall							
	metres >	30,0	35,0	40,0	45,0	50,0	55,0	60,0	
60,0 m	2,2-29,28	4,00	3,46	2,96	2,57	2,26	2,01	1,80	
55,0 m	2,2-30,27	4,00	3,59	3,08	2,68	2,36	2,10		
50,0 m	2,2-31,73	4,00	3,78	3,25	2,83	2,50			
45,0 m	2,2-35,35	4,00	4,00	3,66	3,20				
40,0 m	2,2-36,58	4,00	4,00	3,80					
35,0 m	2,2-35,00	4,00	4,00						
30,0 m	2,2-30,00	4,00							

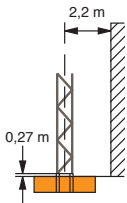
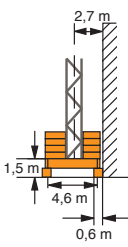
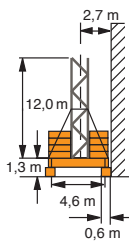
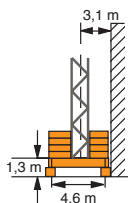
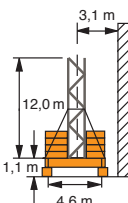
Speeds

Crane travelling speed			0-25 m/min	2x5,5 kW
Trolley travelling speed			8,7/17,4/29,0/60,9 m/min	5,5 kW
Top slewing speed			n=0-0,90 min ⁻¹	2x3,7 kW
Hook lifting speed:				
2 fall		High 	95,6 m/min	0,6 t
		Medium 	49,4 m/min	4,0 t
		Low 	19,8 m/min	4,0 t
		Very low 	6,6 m/min	4,0 t
4 fall		High 	47,8 m/min	1,2 t
		Medium 	24,7 m/min	8,0 t
		Low 	9,9 m/min	8,0 t
		Very low 	3,3 m/min	8,0 t
Max power / Frequency / Voltage			61 kW / 380 V / 50Hz	

Counterweight

Radius, m	30	35	40	45	50	55	60
Counter-weight, t	11,55	12,60	14,70	15,75	15,75	16,80	17,85
Construction of counter-weight, nxt	3x3,15+1x2,10	4x3,15	4x3,15+1x2,10	3x3,15+3x2,10	5x3,15	4x3,15+2x2,10	5x3,15+1x2,10

Hook height, m (meters)

Section TS 16			Stationary type			Travelling type	
Number of section			FF	FK 4,6	UW 4,6	FKF 4,6	UWF 4,6
							
1603	1606	1612					
0			-	-	12,4	-	12,4
1			2,4	3,6	15,4	3,6	15,4
2	1		5,4	6,6	18,4	6,6	18,4
3			8,4	9,6	21,4	9,6	21,4
4	2	1	11,4	12,6	24,4	12,6	24,4
5			14,4	15,6	27,4	15,6	27,4
6	3		17,4	18,6	30,4	18,6	30,4
7			20,4	21,6	33,4	21,6	33,4
8	4	2	23,4	24,6	36,4	24,6	36,4
9			26,4	27,6	39,4	27,6	39,4
10	5		29,4	30,6	42,4	30,6	42,4
11			32,4	33,6	45,4	33,6	-
12	6	3	35,4	36,6	48,4	36,6	-
13			38,4	39,6	-	39,6**	-
14	7		41,4	42,6	-	-	-
15			44,4	-	-	-	-
16	8	4	47,4*	-	-	-	-

* - Only with 30,0; 35,0; 40,0; 45,0 ir 50,0 jib

** - Only with M39 bolts in bottom tower connection

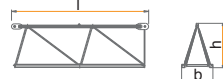

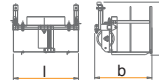
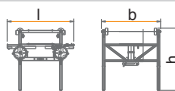
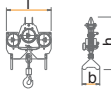
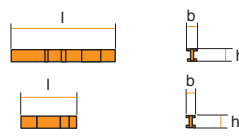
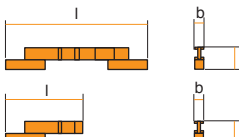
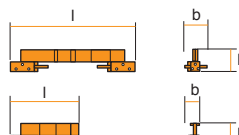
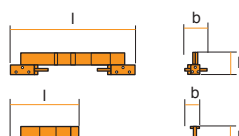
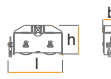
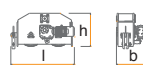

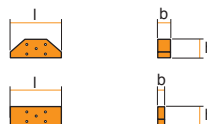

Central ballast, t (tons)

Hook height, m	FK 4,6	UW 4,6	FKF 4,6	UWF 4,6
6,6	30	30	30	30
12,6	30	30	40	40
18,6	30	30	40	40
24,6	40	40	50	50
30,6	50	50	60	60
36,6	70	70	80	70
39,6	80	80	80**	80
42,6	80	80	-	90
48,4	-	100	-	-

** - Only with M39 bolts in bottom tower connection

Crane transport (overall dimensions)

Part	Drawing	Overall dimensions, m			Mass, t
		l	b	h	
1 Tower section	TS1603 	3,03	1,89	1,89	1,07
2 Tower section	TS1606 	6,03	1,89	1,89	1,81
3 Tower section	TS1612 	12,03	1,89	1,89	3,29
4 Mounting platform		1,92	0,86	1,40	0,09
5 Slewing platform		2,86	2,34	2,37	4,16
6 Counter jib		12,24	1,66	2,24	3,44
7 Winch motor	37 kW 	2,23	2,10	1,26	1,55
8 Counter jib with winch motor		13,60	2,48	2,24	5,00
9 Cabin platform		3,75	1,72	2,35	1,06
10 Counterweight	2,10 t 	1,1	0,50	1,94	2,10
11 Counterweight	3,15 t 	1,1	0,50	2,90	3,15
12 Jib section	AS-1 	12,98	1,20	2,25	2,93
13 Jib section	AS-2 	12,30	1,20	2,23	1,77
14 Jib section	AS-3 	6,00	1,20	2,20	0,70
15 Jib section	AS-4 	5,25	1,20	1,70	0,54
16 Jib section	AS-5 	5,25	1,20	1,66	0,46
17 Jib section	AS-6 	5,21	1,20	1,62	0,41
18 Jib section	AS-7 	5,17	1,20	1,62	0,32

Part	Drawing	Overall dimensions, m			
		l	b	h	Mass, t
19 Jib section	AS-8 	5,14	1,20	1,59	0,25
20 Jib section	AS-9 	5,05	1,20	1,58	0,20
21 Jib end section		1,30	1,06	0,98	0,13
22 Trolley		1,55	1,38	1,45	0,24
23 Hook block		1,01	1,18	0,84	0,43
24 Cross frame FK 4,6 leg without Foundation blocks		6,69	0,54	1,01	2,19
		3,31	0,46	1,01	1,10
25 Cross frame FK 4,6 leg with Foundation blocks		8,91	0,60	1,61	6,39
		4,31	0,60	1,61	3,20
26 Cross frame FK 4,6 leg with undercarriage		7,97	0,82	1,45	3,95
		3,83	0,80	1,45	1,97
27 Cross frame UWF 4,6 leg with undercarriage		7,97	0,82	1,55	4,00
		3,83	0,80	1,55	2,00
28 Undercarriage		1,39	0,43	0,75	0,93
29 Undercarriage with motorgear		1,44	0,73	0,75	1,23
30 Foundation block		2,40	0,60	0,60	2,10
31 Central ballast		3,50	0,52	1,50	5,00
		4,00	0,42	1,29	5,00
32 Climbing cage		11,10	2,34	2,40	5,40



BCT
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