



XGTC100 CRAWLER CRANE RATED LIFTING CAPACITY MANUAL



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Building Machinery Co.

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XGTC100 CRAWLER CRANE

RATED LIFTING CAPACITY MANUAL

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Operation manual is an integral part to this product!
It must be always kept with the crane for reference!
This equipment is designed and manufactured in accordance
with the EN standards and regulations.



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1. Working condition

1.1 Working condition

1) The crawler crane works in the following conditions: Ambient temperature is $-20^{\circ}\text{C}\sim+40^{\circ}\text{C}$, ground gradient should be less than 1%;

2) The rated loads shown in the chart are maximum lifting capacity on the condition that the given working conditions are met and the load is in the state of free suspension and lifted slowly from the solid ground. Operators should limit or reduce lifting capacity according to different harmful conditions (such as soft or uneven ground, wind power, side loading, oscillating action, several crane cooperate-lifting);

3) The rated lifting capacity shown in the chart includes the weight of hook block, wire ropes and slings. The weight of each hook block and boom single top is shown in the table below:

100t capacity hook block(optional)	80t capacity hook block	35t capacity hook block(optional)	7t capacity hook block	Boom single top
0.96t	0.7t	0.47t	0.15t	0.05t

4) The blank area of the chart where no rated load is listed is regarded as non-operating area, so no crawler crane is allowed to carry out lifting operation in this area;

5) Selection of hook blocks and parts of line

Under any circumstance, hook blocks with rated lifting capacity higher than or equal to the actual weight (include slings and wire ropes and so on) must be selected.

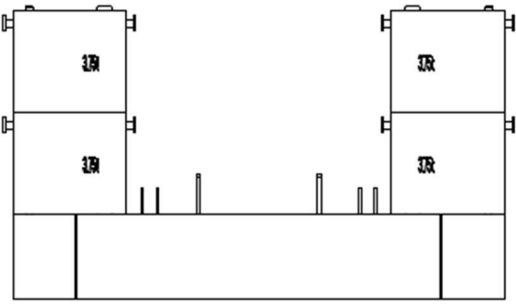
The parts of line of main winch should be selected according to the table below. The figures in the table do not take into account efficiency:

Parts of line	1	2	3	4	5	6	7	8	9	10	11	12	13
Max. lifting capacity (t)	8.5	17	25.5	34	42.5	51	59.5	68	76.5	85	93.5	102	110.5

6) The data shown in the tables are the lifting capacity with different counterweights configurations; please carry out the lifting operation strictly in accordance with the corresponding data in the table. See section 1.2 for the rear counterweight combinations.



1.2 Counterweight combination

No.	Counterweight combinations	
	Rear counterweight (t)	Rear counterweight combination
1	26	
2	18.5	
3	11	
4	0	



2. Rated lifting capacity table

Rated loads do not exceed 75% for stationary or 66.6% for lift and carry, of the tipping load as determined by AS1418.5.

2.1 Main boom working condition

2.1.1 Main boom working condition without single top and single top hook (static lifting, crawler in full length, jib is installed on the right side of boom, main hook lifting)

2.1.1.1 Crawler in full length; turntable counterweight 26t; car-body counterweight: 9t; 360° slewing operation

Boom length m Radius m	13.3 code:000001	18.1 code:000002	23 code:000003	30.2 code:000003	37.5 code: 000003	44.7 code: 000003	52 code: 000003
2.5	100						
3	90.0	78.0	58.0				
3.5	87.0	78.0	58.0				
4	83.0	78.0	58.0				
4.5	78.0	78.0	58.0				
5	70.0	70.0	58.0	42.0			
6	59.0	59.0	57.0	42.0			
7	49.3	48.8	46.5	42.0	39.0		
8	38.9	38.5	38.3	37.1	34.3		
9	31.6	31.3	31.1	31.3	29.1		
10	26.2	26.0	25.8	26.8	25.1	21.5	17.8
12		18.7	18.6	20.3	19.3	17.5	13.7
14		13.9	13.8	15.5	15.3	14.0	10.9
16			10.4	12.1	12.4	11.3	8.8
18			7.9	9.5	10.2	9.4	7.2
20			5.9	7.6	8.4	7.8	5.9
22				6.0	6.9	6.6	4.9
24				4.7	5.7	5.5	4.1
26				3.6	4.6	4.7	3.5
28					3.7	4.0	2.9
30					2.9	3.4	2.5
32					2.2	2.8	2.1
34					1.6	2.2	1.7
36						1.7	1.4
38							1.2
40							1.0



Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
Each 3rd, 4th, 5th, boom section	0%	0%	0%	25%	50%	75%	100%

Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:000001	code:000002	code:000001	code:000002	code: 000001	code: 000002	code: 000001	code:000002
3	46.0							
3.5	46.0							
4	46.0	45.0						
4.5	46.0	45.0	41.0					
5	46.0	45.0	41.0					
6	46.0	45.0	41.0	42.0				
7	46.0	45.0	41.0	42.0	22.5			
8	41.9	40.3	41.0	37.7	22.5	22.0		
9	34.5	33.7	35.0	32.0	22.5	22.0		
10	29.1	28.3	30.3	27.6	22.5	22.0	21.2	19.5
12	21.6	20.9	22.7	21.3	22.0	19.7	19.2	17.7
14	16.7	16.0	17.8	17.0	17.8	15.8	16.3	14.2
16	13.2	12.5	14.3	13.6	14.8	13.0	13.5	11.7
18		10.0	11.7	11.0	12.3	10.9	11.4	9.8
20		8.0	9.7	9.0	10.3	9.2	9.8	8.3
22		6.4	8.0	7.4	8.6	7.8	8.5	7.1
24			6.7	6.1	7.3	6.7	7.4	6.1
26				5.0	6.2	5.7	6.5	5.3
28				4.1	5.3	4.7	5.7	4.6
30					4.5	3.9	4.9	4.0
32					3.8	3.3	4.2	3.5
34						2.7	3.6	3.1
36						2.1	3.1	2.6
38							2.6	2.1
40								1.7
42								1.3
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
Each 3rd, 4th, 5th, boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.1.2 Crawler in full length; turntable counterweight 18.5t; car-body counterweight: 9t; 360° slewing operation

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:000101	code:000102	code:000103	code:000103	code: 000103	code: 000103	code: 000103
2.5	100.0						
3	90.0	78.0	58.0				
3.5	87.0	78.0	58.0				
4	83.0	78.0	58.0				
4.5	78.0	78.0	58.0				
5	70.0	68.6	58.0	42			
6	55.9	53.1	48.2	42			
7	41.6	41.4	39.1	37.5	34.3		
8	32.8	32.4	32.2	30.9	28.3		
9	26.5	26.2	25.9	25.8	23.9		
10	21.8	21.6	21.3	22	20.4	18.2	13.4
12		15.2	15	16.4	15.4	13.8	10.1
14		11.0	10.8	12.6	12.0	10.8	7.7
16			7.9	9.6	9.6	8.6	6.1
18			5.7	7.4	7.7	6.9	4.8
20			3.9	5.6	6.2	5.6	3.8
22				4.3	5.1	4.6	3.0
24				3.1	4.1	3.7	2.4
26				2.2	3.1	3.0	1.8
28					2.3	2.4	
30					1.7	1.9	
32							
34							
36							
38							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:000101	code:000102	code:000101	code:000102	code: 000101	code: 000102	code: 000101	code:000102
3	46.0							
3.5	46.0							
4	46.0	45.0						
4.5	46.0	45.0	41.0					
5	46.0	45.0	41.0					
6	46.0	45.0	41.0	42.0				
7	45.0	40.9	41.0	38.2	22.5			
8	35.8	33.9	34.9	31.5	22.5	22.0		
9	29.4	28.4	29.5	26.6	22.5	22.0		
10	24.6	23.8	25.4	22.9	22.5	20.8	20.9	18.2
12	18	17.3	19.2	17.4	18.2	15.9	16.3	14.0
14	13.7	13.0	14.8	13.8	14.6	12.6	13.1	11.1
16	10.7	10.0	11.8	11.1	12.0	10.2	10.7	9.0
18		7.8	9.5	8.8	10.0	8.4	9.0	7.4
20		6.0	7.7	7.1	8.3	7.0	7.6	6.1
22		4.6	6.3	5.7	6.9	5.9	6.5	5.1
24			5.1	4.5	5.7	4.9	5.6	4.3
26				3.6	4.8	4.2	4.9	3.6
28				2.8	4.0	3.4	4.2	3.0
30					3.3	2.7	3.6	2.6
32					2.6	2.1	3.0	2.1
34						1.6	2.5	1.8
36							2.0	1.5
38							1.6	
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.1.3 Crawler in full length; turntable counterweight 11t; car-body counterweight: 9t; 360° slewing operation

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:000201	code:000202	code:000203	code:000203	code: 000203	/	/
2.5	100.0					Lift forbidden	
3	90.0	78.0	58.0				
3.5	87.0	78.0	58.0				
4	83.0	78.0	58.0				
4.5	75.1	66.3	58.0				
5	64.9	56.9	50.8	42.0			
6	46.5	43.6	39.5	37.4			
7	34.5	34.0	31.7	30.3	27.2		
8	26.7	26.4	25.8	24.6	22.3		
9	21.3	21.0	20.8	20.4	18.6		
10	17.3	17.1	16.9	17.2	15.7		
12		11.6	11.5	12.5	11.6		
14		8.0	7.9	9.4	8.8		
16			5.4	7.1	6.8		
18			3.5	5.2	5.2		
20			2.0	3.7	4.0		
22				2.5	3.1		
24					2.3		
26							
28							
30							
32							
34							
36							
38							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:000201	code:000202	code:000201	code:000202	code: 000201	code: 000202	code: 000201	/
3	46.0							Lift forbidden
3.5	46.0							
4	46.0	45.0						
4.5	46.0	45.0	41.0					
5	46.0	45.0	41.0					
6	45.9	41.2	41.0	38.4				
7	37.3	33.7	34.7	30.9	22.5			
8	29.7	27.5	28.6	25.4	22.5	22.0		
9	24.2	22.8	24.0	21.2	21.8	18.9		
10	20.1	19.3	20.6	18.1	18.7	16.1	16.3	
12	14.5	13.8	15.6	13.6	14.3	12.2	12.5	
14	10.8	10.1	11.9	10.5	11.3	9.4	9.9	
16	8.2	7.5	9.3	8.3	9.1	7.5	8.0	
18		5.6	7.3	6.6	7.5	6.0	6.5	
20		4.1	5.8	5.1	6.2	4.8	5.4	
22		2.9	4.6	3.9	5.2	3.9	4.5	
24			3.6	3.0	4.2	3.1	3.8	
26				2.1	3.3	2.5	3.2	
28					2.6	2.0	2.7	
30					2.0		2.3	
32					1.5		1.9	
34							1.4	
36								
38								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.1.4 Crawler in full length; turntable counterweight 0t; car-body counterweight: 9t; 360° slewing operation

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:000301	code:000302	code:000303	/	/	/	/
2.5	100.0			Lift forbidden			
3	90.0	78.0	58.0				
3.5	83.7	69	58.0				
4	66.4	56	48.5				
4.5	54.5	46.7	40.9				
5	45.8	39.7	35.0				
6	32.6	29.8	26.6				
7	23.6	23.2	20.8				
8	17.8	17.4	16.2				
9	13.7	13.4	12.8				
10	10.7	10.5	10.2				
12		6.4	6.3				
14		3.7	3.6				
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:000301	code:000302	code:000301	/	/	/	/	/
3	46.0			Lift forbidden				
3.5	46.0							
4	46.0	45.0						
4.5	46.0	42.5	41.0					
5	42.2	36.9	38.2					
6	32.6	28.8	30.3					
7	26.0	22.7	23.8					
8	20.8	18.1	19.3					
9	16.6	14.7	16.0					
10	13.5	12.1	13.5					
12	9.3	8.4	9.8					
14	6.5	5.8	7.4					
16	4.5	3.9	5.6					
18		2.4	4.1					
20			2.9					
22			2.0					
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.2 Main boom working condition without single top and single top hook (travel with load, crawler in full length, jib is installed on the right side of boom, main hook lifting)

2.1.2.1 Crawler in full length, superstructure counterweight 26t, car-body counterweight: 9t; over front operation, at the lowest stable travel speed

Boom length m Radius m	13.3 code:001001	18.1 code:001002	23 code:001003	30.2 code:001003	37.5 code: 001003	44.7 code: 001003	52 /
2.5	80						Lift forbidden
3	80	74.1	52.2				
3.5	76.0	74.1	52.2				
4	72.0	72.0	52.2				
4.5	67.0	67.0	52.2				
5	63.0	63.0	52.2	33.6			
6	54.0	54.0	51.2	33.6			
7	44.3	43.9	41.6	33.6	31.2		
8	35.1	34.8	34.4	32.6	28.5		
9	28.6	28.4	28.2	27.4	24.1		
10	23.9	23.7	23.5	23.4	20.7	12.9	
12		17.2	17.1	17.7	15.8	12.9	
14		12.7	12.8	13.8	12.5	10.7	
16			9.5	11.0	10.0	8.6	
18			7.1	8.7	8.2	7.1	
20			5.1	6.8	6.7	5.8	
22				5.3	5.6	4.9	
24				4.1	4.6	4.1	
26				3.0	3.8	3.4	
28					3.0	2.8	
30					2.3	2.4	
32					1.7	2.0	
34					1.1	1.6	
36						1.2	
38							
40							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:001001	25.4 code:001002	27.8 code:001001	32.6 code:001002	35.1 code:001001	39.9 code:001002	42.3 code:001001	47.2 code:001002
3	43.7							
3.5	43.7							
4	43.7	40.5						
4.5	43.7	40.5	32.8					
5	43.7	40.5	32.8					
6	43.7	40.5	32.8	33.6				
7	43.7	40.5	32.8	33.6	15.8			
8	37.6	33.7	32.8	31.5	15.8	15.4		
9	31.1	28.3	31.0	26.7	15.8	15.4		
10	26.3	24.2	26.7	23.0	15.8	15.4	12.7	11.7
12	19.6	18.4	20.6	17.7	15.8	15.4	11.5	11.7
14	15.3	14.1	16.2	14.0	14.8	13.0	10.4	10.9
16	12.2	11.0	13.1	11.4	12.2	10.6	9.5	8.9
18		8.6	10.8	9.4	10.2	8.8	8.7	7.4
20		6.8	8.9	7.8	8.7	7.4	7.5	6.2
22		5.4	7.4	6.4	7.5	6.3	6.5	5.3
24			6.1	5.2	6.4	5.4	5.6	4.5
26				4.2	5.4	4.6	4.9	3.9
28				3.4	4.5	4.0	4.4	3.3
30					3.8	3.3	3.9	2.9
32					3.2	2.7	3.4	2.5
34						2.1	2.8	2.2
36						1.6	2.4	1.9
38							2.0	1.5
40								1.2
42								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.2.2 Crawler in full length, superstructure counterweight 18.5t, car-body counterweight: 9t;
over front operation, at the lowest stable travel speed

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:001101	code:001102	code:001103	code:001103	code: 001103	/	/
2.5	80					Lift forbidden	
3	80	74.1	52.2				
3.5	76.0	74.1	52.2				
4	72.0	72.0	52.2				
4.5	67.0	67.0	52.2				
5	63.0	60.4	52.2	33.6			
6	50.1	46.6	42.3	33.6			
7	37.7	37.3	34.1	31.0	26.4		
8	29.7	29.4	27.9	25.3	21.8		
9	24.1	23.8	23.0	21.1	18.3		
10	19.9	19.7	19.2	17.8	15.6		
12		13.8	13.6	13.2	11.7		
14		9.8	9.7	10.1	9.0		
16			6.8	7.8	7.1		
18			4.8	6.1	5.6		
20			3.1	4.6	4.5		
22				3.3	3.6		
24				2.3	2.8		
26				1.5	2.2		
28					1.6		
30					1.0		
32							
34							
36							
38							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:001101	25.4 code:001102	27.8 code:001101	32.6 code:001102	35.1 code:001101	39.9 code:001102	42.3 code:001101	47.2 /
3	43.7							Lift forbidden
3.5	43.7							
4	43.7	40.5						
4.5	43.7	40.5	32.8					
5	43.7	40.5	32.8					
6	43.7	40.5	32.8	33.6				
7	37.5	34.0	32.8	29.7	15.8			
8	30.8	27.9	28.9	24.5	15.8	15.4		
9	25.7	23.3	24.4	20.6	15.8	15.4		
10	21.7	19.8	21.0	17.6	15.8	15.0	12.7	
12	15.8	14.9	16.0	13.3	14.0	11.4	11.0	
14	11.9	11.3	12.8	10.5	11.1	9.0	8.8	
16	9.2	8.6	10.3	8.4	9.1	7.2	7.1	
18		6.6	8.2	6.8	7.6	5.9	5.9	
20		5.0	6.6	5.5	6.4	4.8	5.0	
22		3.7	5.3	4.5	5.4	4.0	4.2	
24			4.3	3.5	4.6	3.4	3.6	
26				2.7	3.7	2.8	3.1	
28				2.0	3.1	2.3	2.7	
30					2.5	1.8	2.3	
32					2.0	1.4	2.0	
34						1.0	1.7	
36							1.3	
38							1.0	
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.2.3 Crawler in full length, superstructure counterweight 11t, car-body counterweight: 9t; over front operation, at the lowest stable travel speed

Boom length m Radius m	13.3 code:001201	18.1 code:001202	23 code:001203	30.2 code:001203	37.5 code: 001203	44.7 /	52 /
2.5	80					Lift forbidden	
3	80.0	74.1	52.2				
3.5	76.0	74.1	52.2				
4	72.0	68.5	52.2				
4.5	63.0	57.5	48.1				
5	53.4	49.2	41.6	33.6			
6	40.1	37.6	32.1	30.6			
7	29.9	29.8	25.7	24.4	19.3		
8	23.0	23.8	20.6	19.6	15.7		
9	18.2	18.9	16.7	16.2	13.0		
10	14.7	15.3	13.8	13.5	11.0		
12		10.2	9.5	9.7	7.9		
14		6.8	6.4	7.1	5.9		
16			4.1	5.3	4.4		
18			2.4	3.9	3.3		
20			1.1	2.8	2.5		
22				1.7	1.8		
24					1.2		
26							
28							
30							
32							
34							
36							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:001201	code:001202	code:001201	code:001202	code:001201	code:001202	code:001201	/
3	43.7							Lift forbidden
3.5	43.7							
4	43.7	40.5						
4.5	43.7	40.5	32.8					
5	43.7	40.5	32.8					
6	37.8	33.8	32.8	29.7				
7	30.6	27.4	28.3	23.5	15.8			
8	24.8	22.1	23.2	19.2	15.8	15.4		
9	20.6	18.4	19.4	16.1	15.5	13.3		
10	17.4	15.4	16.6	13.6	13.3	11.3	10.7	
12	12.4	11.3	12.5	10.1	10.1	8.4	8.2	
14	9.1	8.5	9.7	7.7	7.9	6.4	6.4	
16	6.8	6.2	7.7	6.0	6.3	5.0	5.1	
18		4.5	6.1	4.7	5.1	3.9	4.1	
20		3.2	4.8	3.7	4.2	3.0	3.4	
22		2.1	3.7	2.9	3.4	2.4	2.8	
24			2.8	2.0	2.9	1.8	2.3	
26				1.4	2.3	1.4	1.9	
28					1.8	1.0	1.5	
30					1.3		1.3	
32							1.0	
34								
36								
38								
40								
42								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.2.4 Crawler in full length, superstructure counterweight 0t, car-body counterweight: 9t; over front operation, at the lowest stable travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:001301	code:001302	code:001303	/	/	/	/
2.5	80			Lift forbidden			
3	80.0	70.3	51.5				
3.5	76.0	54.7	41.2				
4	59.0	44.3	33.9				
4.5	43.1	36.7	28.5				
5	36.1	31.1	24.2				
6	26.6	23.1	18.2				
7	19.4	17.7	14.0				
8	14.5	13.8	10.6				
9	11.0	10.7	8.2				
10	8.4	8.2	6.4				
12		4.7	3.8				
14		2.3	2.0				
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:001301	code:001302	code:001301	/	/	/	/	/
3	43.7			Lift forbidden				
3.5	43.7							
4	43.7	35.1						
4.5	39.0	30.0	31.0					
5	33.6	25.9	27.1					
6	25.7	20.1	21.0					
7	20.3	15.4	16.4					
8	16.1	12.2	13.2					
9	13.1	9.8	10.8					
10	10.8	7.9	9.0					
12	7.4	5.4	6.5					
14	5.0	3.6	4.8					
16	3.2	2.3	3.5					
18		1.3	2.6					
20			1.8					
22			1.1					
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.3 Main boom working condition with single top and single top hook (static lifting, crawler in full length, jib is installed on the right side of boom, main hook lifting)

2.1.3.1 Crawler in full length, turntable counterweight 26t, car-body counterweight 9t, 360° slewing operation

Boom length m Radius m	13.3 code:002001	18.1 code:002002	23 code:002003	30.2 code:002003	37.5 code: 002003	44.7 code: 002003	52 code: 002003
2.5	99.75						
3	89.75	77.75	57.75				
3.5	86.75	77.75	57.75				
4	82.75	77.75	57.75				
4.5	77.75	77.75	57.75				
5	69.75	69.75	57.75	41.75			
6	58.75	58.75	56.75	41.75			
7	49.05	48.55	46.25	41.75	38.75		
8	38.65	38.25	38.05	36.85	34.05		
9	31.35	31.05	30.85	31.05	28.85		
10	25.95	25.75	25.55	26.55	24.85	21.25	17.55
12		18.45	18.35	20.05	19.05	17.25	13.45
14		13.65	13.55	15.25	15.05	13.75	10.65
16			10.15	11.85	12.15	11.05	8.55
18			7.65	9.25	9.95	9.15	6.95
20			5.65	7.35	8.15	7.55	5.65
22				5.75	6.65	6.35	4.65
24				4.45	5.45	5.25	3.85
26				3.35	4.35	4.45	3.25
28					3.45	3.75	2.65
30					2.65	3.15	2.25
32					1.95	2.55	1.85
34					1.35	1.95	1.45
36						1.45	1.15
38							0.95
40							0.75
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:002001	25.4 code:002002	27.8 code:002001	32.6 code:002002	35.1 code:002001	39.9 code:002002	42.3 code:002001	47.2 code:002002
3	45.75							
3.5	45.75							
4	45.75	44.75						
4.5	45.75	44.75	40.75					
5	45.75	44.75	40.75					
6	45.75	44.75	40.75	41.75				
7	45.75	44.75	40.75	41.75	22.25			
8	41.65	40.05	40.75	37.45	22.25	21.75		
9	34.25	33.45	34.75	31.75	22.25	21.75		
10	28.85	28.05	30.05	27.35	22.25	21.75	20.95	19.25
12	21.35	20.65	22.45	21.05	21.75	19.45	18.95	17.45
14	16.45	15.75	17.55	16.75	17.55	15.55	16.05	13.95
16	12.95	12.25	14.05	13.35	14.55	12.75	13.25	11.45
18		9.75	11.45	10.75	12.05	10.65	11.15	9.55
20		7.75	9.45	8.75	10.05	8.95	9.55	8.05
22		6.15	7.75	7.15	8.35	7.55	8.25	6.85
24			6.45	5.85	7.05	6.45	7.15	5.85
26				4.75	5.95	5.45	6.25	5.05
28				3.85	5.05	4.45	5.45	4.35
30					4.25	3.65	4.65	3.75
32					3.55	3.05	3.95	3.25
34						2.45	3.35	2.85
36						1.85	2.85	2.35
38							2.35	1.85
40								1.45
42								1.05
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.3.2 Crawler in full length, turntable counterweight 18.5t, car-body counterweight 9t, 360° slewing operation

Radius m \ Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
	code:002101	code:002102	code:002103	code:002103	code: 002103	code: 002103	code: 002103
2.5	99.75						
3	89.75	77.75	57.75				
3.5	86.75	77.75	57.75				
4	82.75	77.75	57.75				
4.5	77.75	77.75	57.75				
5	69.75	68.35	57.75	41.75			
6	55.65	52.85	47.95	41.75			
7	41.65	41.15	38.85	37.25	34.05		
8	32.55	32.15	31.95	30.65	28.05		
9	26.25	25.95	25.65	25.55	23.65		
10	21.55	21.35	21.05	21.75	20.15	17.95	13.15
12		14.95	14.75	16.15	15.15	13.55	9.85
14		10.75	10.55	12.35	11.75	10.55	7.45
16			7.65	9.35	9.35	8.35	5.85
18			5.45	7.15	7.45	6.65	4.55
20			3.65	5.35	5.95	5.35	3.55
22				4.05	4.85	4.35	2.75
24				2.85	3.85	3.45	2.15
26				1.95	2.85	2.75	1.55
28					2.05	2.15	
30					1.45	1.65	
32							
34							
36							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:002101	25.4 code:002102	27.8 code:002101	32.6 code:002102	35.1 code:002101	39.9 code:002102	42.3 code:002101	47.2 code:002102
3	45.75							
3.5	45.75							
4	45.75	44.75						
4.5	45.75	44.75	40.75					
5	45.75	44.75	40.75					
6	45.75	44.75	40.75	41.75				
7	44.75	40.65	40.75	37.95	22.25			
8	35.55	33.65	34.65	31.25	22.25	21.75		
9	29.15	28.15	29.25	26.35	22.25	21.75		
10	24.35	23.55	25.15	22.65	22.25	20.55	20.65	17.95
12	17.75	17.05	18.95	17.15	17.95	15.65	16.05	13.75
14	13.45	12.75	14.55	13.55	14.35	12.35	12.85	10.85
16	10.45	9.75	11.55	10.85	11.75	9.95	10.45	8.75
18		7.55	9.25	8.55	9.75	8.15	8.75	7.15
20		5.75	7.45	6.85	8.05	6.75	7.35	5.85
22		4.35	6.05	5.45	6.65	5.65	6.25	4.85
24			4.85	4.25	5.45	4.65	5.35	4.05
26				3.35	4.55	3.95	4.65	3.35
28				2.55	3.75	3.15	3.95	2.75
30					3.05	2.45	3.35	2.35
32					2.35	1.85	2.75	1.85
34						1.35	2.25	1.55
36							1.75	1.25
38							1.35	
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.3.3 Crawler in full length, turntable counterweight 11t, car-body counterweight 9t, 360° slewing operation

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:002201	code:002202	code:002203	code:002203	code: 002203	/	/
2.5	99.75					Lift forbidden	
3	89.75	77.75	57.75				
3.5	86.75	77.75	57.75				
4	82.75	77.75	57.75				
4.5	74.85	66.05	57.75				
5	64.65	56.65	50.55	41.75			
6	46.25	43.35	39.25	37.15			
7	34.25	33.75	31.45	30.05	26.95		
8	26.45	26.15	25.55	24.35	22.05		
9	21.05	20.75	20.55	20.15	18.35		
10	17.05	16.85	16.65	16.95	15.45		
12		11.35	11.25	12.25	11.35		
14		7.75	7.65	9.15	8.55		
16			5.15	6.85	6.55		
18			3.25	4.95	4.95		
20			1.75	3.45	3.75		
22				2.25	2.85		
24					2.05		
26							
28							
30							
32							
34							
36							
38							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:002201	code:002202	code:002201	code:002202	code:002201	code:002202	code:002201	/
3	45.75							Lift forbidden
3.5	45.75							
4	45.75	44.75						
4.5	45.75	44.75	40.75					
5	45.75	44.75	40.75					
6	45.65	40.95	40.75	38.15				
7	37.05	33.45	34.45	30.65	22.25			
8	29.45	27.25	28.35	25.15	22.25	21.75		
9	23.95	22.55	23.75	20.95	21.55	18.65		
10	19.85	19.05	20.35	17.85	18.45	15.85	16.05	
12	14.25	13.55	15.35	13.35	14.05	11.95	12.25	
14	10.55	9.85	11.65	10.25	11.05	9.15	9.65	
16	7.95	7.25	9.05	8.05	8.85	7.25	7.75	
18		5.35	7.05	6.35	7.25	5.75	6.25	
20		3.85	5.55	4.85	5.95	4.55	5.15	
22		2.65	4.35	3.65	4.95	3.65	4.25	
24			3.35	2.75	3.95	2.85	3.55	
26				1.85	3.05	2.25	2.95	
28					2.35	1.75	2.45	
30					1.75		2.05	
32					1.25		1.65	
34							1.15	
36								
38								
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.3.4 Crawler in full length, turntable counterweight 0t, car-body counterweight 9t, 360° slewing operation

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:002301	code:002302	code:002303	/	/	/	/
2.5	99.75			Lift forbidden			
3	89.75	77.75	57.75				
3.5	83.45	68.75	57.75				
4	66.15	55.75	48.25				
4.5	54.25	46.45	40.65				
5	45.55	39.45	34.75				
6	32.35	29.55	26.35				
7	23.35	22.95	20.55				
8	17.55	17.15	15.95				
9	13.45	13.15	12.55				
10	10.45	10.25	9.95				
12		6.15	6.05				
14		3.45	3.35				
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
38							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:002301	code:002302	code:002301	/	/	/	/	/
3	45.75			Lift forbidden				
3.5	45.75							
4	45.75	44.75						
4.5	45.75	42.25	40.75					
5	41.95	36.65	37.95					
6	32.35	28.55	30.05					
7	25.75	22.45	23.55					
8	20.55	17.85	19.05					
9	16.35	14.45	15.75					
10	13.25	11.85	13.25					
12	9.05	8.15	9.55					
14	6.25	5.55	7.15					
16	4.25	3.65	5.35					
18		2.15	3.85					
20			2.65					
22			1.75					
24								
26								
28								
30								
32								
34								
36								
38								
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.4 Main boom working condition with single top and single top hook (travel with load, crawler in full length, jib is installed on the right side of boom, main hook lifting)

2.1.4.1 Crawler in full length, superstructure counterweight 26t, car-body counterweight: 9t; over front operation, at the lowest stable travel speed

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:003001	code:003002	code:003003	code:003003	code: 003003	code: 003003	/
2.5	79.7						Lift forbidden
3	79.7	73.8	51.9				
3.5	75.7	73.8	51.9				
4	71.7	71.7	51.9				
4.5	66.7	66.7	51.9				
5	62.7	62.7	51.9	33.3			
6	53.7	53.7	50.9	33.3			
7	44.0	43.6	41.3	33.3	30.9		
8	34.8	34.5	34.1	32.3	28.2		
9	28.3	28.1	27.9	27.1	23.8		
10	23.6	23.4	23.2	23.1	20.4	12.6	
12		16.9	16.8	17.4	15.5	12.6	
14		12.4	12.5	13.5	12.2	10.4	
16			9.2	10.7	9.7	8.3	
18			6.8	8.4	7.9	6.8	
20			4.8	6.5	6.4	5.5	
22				5.0	5.3	4.6	
24				3.8	4.3	3.8	
26				2.7	3.5	3.1	
28					2.7	2.5	
30					2.0	2.1	
32					1.4	1.7	
34					0.8	1.3	
36						0.9	
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:003001	25.4 code:003002	27.8 code:003001	32.6 code:003002	35.1 code:003001	39.9 code:003002	42.3 code:003001	47.2 code:003002
3	43.4							
3.5	43.4							
4	43.4	40.2						
4.5	43.4	40.2	32.5					
5	43.4	40.2	32.5					
6	43.4	40.2	32.5	33.3				
7	43.4	40.2	32.5	33.3	15.5			
8	37.3	33.4	32.5	31.2	15.5	15.1		
9	30.8	28.0	30.7	26.4	15.5	15.1		
10	26.0	23.9	26.4	22.7	15.5	15.1	12.4	11.4
12	19.3	18.1	20.3	17.4	15.5	15.1	11.2	11.4
14	15.0	13.8	15.9	13.7	14.5	12.7	10.1	10.6
16	11.9	10.7	12.8	11.1	11.9	10.3	9.2	8.6
18		8.3	10.5	9.1	9.9	8.5	8.4	7.1
20		6.5	8.6	7.5	8.4	7.1	7.2	5.9
22		5.1	7.1	6.1	7.2	6.0	6.2	5.0
24			5.8	4.9	6.1	5.1	5.3	4.2
26				3.9	5.1	4.3	4.6	3.6
28				3.1	4.2	3.7	4.1	3.0
30					3.5	3.0	3.6	2.6
32					2.9	2.4	3.1	2.2
34						1.8	2.5	1.9
36						1.3	2.1	1.6
38							1.7	1.2
40								0.9
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.4.2 Crawler in full length, superstructure counterweight 18.5t, car-body counterweight: 9t;
over front operation, at the lowest stable travel speed

Radius m \ Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
	code:003101	code:003102	code:003103	code:003103	code: 003103	/	/
2.5	79.7					Lift forbidden	
3	79.7	73.8	51.9				
3.5	75.7	73.8	51.9				
4	71.7	71.7	51.9				
4.5	66.7	66.7	51.9				
5	62.7	60.1	51.9	33.3			
6	49.8	46.3	42.0	33.3			
7	37.4	37.0	33.8	30.7	26.1		
8	29.4	29.1	27.6	25.0	21.5		
9	23.8	23.5	22.7	20.8	18.0		
10	19.6	19.4	18.9	17.5	15.3		
12		13.5	13.3	12.9	11.4		
14		9.5	9.4	9.8	8.7		
16			6.5	7.5	6.8		
18			4.5	5.8	5.3		
20			2.8	4.3	4.2		
22				3.0	3.3		
24				2.0	2.5		
26				1.2	1.9		
28					1.3		
30					0.7		
32							
34							
36							
38							
40							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:003101	code:003102	code:003101	code:003102	code:003101	code:003102	code:003101	/
3	43.4							Lift forbidden
3.5	43.4							
4	43.4	40.2						
4.5	43.4	40.2	32.5					
5	43.4	40.2	32.5					
6	43.4	40.2	32.5	33.3				
7	37.2	33.7	32.5	29.4	15.5			
8	30.5	27.6	28.6	24.2	15.5	15.1		
9	25.4	23.0	24.1	20.3	15.5	15.1		
10	21.4	19.5	20.7	17.3	15.5	14.7	12.4	
12	15.5	14.6	15.7	13.0	13.7	11.1	10.7	
14	11.6	11.0	12.5	10.2	10.8	8.7	8.5	
16	8.9	8.3	10.0	8.1	8.8	6.9	6.8	
18		6.3	7.9	6.5	7.3	5.6	5.6	
20		4.7	6.3	5.2	6.1	4.5	4.7	
22		3.4	5.0	4.2	5.1	3.7	3.9	
24			4.0	3.2	4.3	3.1	3.3	
26				2.4	3.4	2.5	2.8	
28				1.7	2.8	2.0	2.4	
30					2.2	1.5	2.0	
32					1.7	1.1	1.7	
34						0.7	1.4	
36							1.0	
38							0.7	
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.4.3 Crawler in full length, superstructure counterweight 11t, car-body counterweight: 9t; over front operation, at the lowest stable travel speed

Radius m \ Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
	code:003201	code:003202	code:003203	code:003203	code: 003203	/	/
2.5	79.7					Lift forbidden	
3	79.7	73.8	51.9				
3.5	75.7	73.8	51.9				
4	71.7	68.2	51.9				
4.5	62.7	57.2	47.8				
5	53.1	48.9	41.3	33.3			
6	39.8	37.3	31.8	30.3			
7	29.6	29.5	25.4	24.1	19.0		
8	22.7	23.5	20.3	19.3	15.4		
9	17.9	18.6	16.4	15.9	12.7		
10	14.4	15.0	13.5	13.2	10.7		
12		9.9	9.2	9.4	7.6		
14		6.5	6.1	6.8	5.6		
16			3.8	5.0	4.1		
18			2.1	3.6	3.0		
20			0.8	2.5	2.2		
22				1.4	1.5		
24					0.9		
26							
28							
30							
32							
34							
36							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:003201	25.4 code:003202	27.8 code:003201	32.6 code:003202	35.1 code:003201	39.9 code:003202	42.3 code:003201	47.2 /
3	43.4							Lift forbidden
3.5	43.4							
4	43.4	40.2						
4.5	43.4	40.2	32.5					
5	43.4	40.2	32.5					
6	37.5	33.5	32.5	29.4				
7	30.3	27.1	28.0	23.2	15.5			
8	24.5	21.8	22.9	18.9	15.5	15.1		
9	20.3	18.1	19.1	15.8	15.2	13.0		
10	17.1	15.1	16.3	13.3	13.0	11.0	10.4	
12	12.1	11.0	12.2	9.8	9.8	8.1	7.9	
14	8.8	8.2	9.4	7.4	7.6	6.1	6.1	
16	6.5	5.9	7.4	5.7	6.0	4.7	4.8	
18		4.2	5.8	4.4	4.8	3.6	3.8	
20		2.9	4.5	3.4	3.9	2.7	3.1	
22		1.8	3.4	2.6	3.1	2.1	2.5	
24			2.5	1.7	2.6	1.5	2.0	
26				1.1	2.0	1.1	1.6	
28					1.5	0.7	1.2	
30					1.0		1.0	
32							0.7	
34								
36								
38								
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.4.4 Crawler in full length, superstructure counterweight 0t, car-body counterweight: 9t; over front operation, at the lowest stable travel speed

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:003301	code:003302	code:003303	/	/	/	/
2.5	79.7			Lift forbidden			
3	79.7	70.0	51.2				
3.5	75.7	54.4	40.9				
4	58.7	44.0	33.6				
4.5	42.8	36.4	28.2				
5	35.8	30.8	23.9				
6	26.3	22.8	17.9				
7	19.1	17.4	13.7				
8	14.2	13.5	10.3				
9	10.7	10.4	7.9				
10	8.1	7.9	6.1				
12		4.4	3.5				
14		2.0	1.7				
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
38							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:003301	code:003302	code:003301	/	/	/	/	/
3	43.4			Lift forbidden				
3.5	43.4							
4	43.4	34.8						
4.5	38.7	29.7	30.7					
5	33.3	25.6	26.8					
6	25.4	19.8	20.7					
7	20.0	15.1	16.1					
8	15.8	11.9	12.9					
9	12.8	9.5	10.5					
10	10.5	7.6	8.7					
12	7.1	5.1	6.2					
14	4.7	3.3	4.5					
16	2.9	2.0	3.2					
18		1.0	2.3					
20			1.5					
22			0.8					
24								
26								
28								
30								
32								
34								
36								
38								
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.5 Main boom working condition with fixed jib and fixed jib hook (static load, crawler in full length, main hook lifting)

2.1.5.1 Crawler in full length, turntable counterweight 26t, car-body counterweight 9t, 360° slewing operation

Working Radius m	52+10.5			52+17.5		
Jib offset angle (°)	0° code:002011	15° code:002012	30° code:002013	0° code:002021	15° code:002022	30° code:002023
	Lifting load	Lifting load	Lifting load	Lifting load	Lifting load	Lifting load
10	16.6	16.4	16.2	16.2	16.0	15.8
12	12.5	12.3	12.1	12.1	11.9	11.7
14	9.7	9.5	9.3	9.3	9.1	8.9
16	7.6	7.4	7.2	7.2	7.0	6.8
18	6.0	5.8	5.6	5.6	5.4	5.2
20	4.7	4.5	4.3	4.3	4.1	3.9
22	3.7	3.5	3.3	3.3	3.1	2.9
24	2.9	2.7	2.5	2.5	2.3	2.1
26	2.3	2.1	1.9	1.9	1.7	1.5
28	1.7	1.5	1.3	1.3	1.1	0.9
30	1.3	1.1	0.9	0.9		
32	0.9					
Parts of line	4					
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)					
2nd boom section	100%					
3rd boom section	100%					
4th boom section	100%					
5th boom section	100%					



2.1.6 Main boom working condition without single top and single top hook (static lifting, crawler in narrow mode, jib is installed on the right side of boom, main hook lifting)

2.1.6.1 Crawler in narrow mode; turntable counterweight 0t; car-body counterweight: 0t; 360° slewing operation

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:000341	code:000342	code:000343	/	/	/	/
2.5	28.9			Lift forbidden			
3	28.9	23.9	20.1				
3.5	23.3	19.4	16.4				
4	19	15.9	13.5				
4.5	15.8	13.1	11.1				
5	13.2	10.9	9.2				
6	9.2	7.5	6.2				
7	6.5	5	4				
8	4.4	3.2	2.3				
9	2.7	1.7					
10	1.4						
12							
14							
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
38							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:000341	code:000342	code:000341	/	/	/	/	/
3	26.5	22.1		Lift forbidden				
3.5	22.1	18.5						
4	18.7	15.7	17.4					
4.5	16	13.4	15.1					
5	13.8	11.5	13.3					
6	10.5	8.5	10.2					
7	8	6.3	7.8					
8	6.1	4.6	6					
9	4.6	3.3	4.7					
10	3.4	2.2	3.6					
12	1.6		2					
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.1.7 Main boom working condition with single top and single top hook (static lifting, crawler in narrow mode, jib is installed on the right side of boom, main hook lifting)

2.1.7.1 Crawler in narrow mode; turntable counterweight 0t; car-body counterweight: 0t; 360° slewing operation

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:002341	code:002342	code:002343	/	/	/	/
2.5	28.65			Lift forbidden			
3	28.65	23.65	19.85				
3.5	23.05	19.15	16.15				
4	18.75	15.65	13.25				
4.5	15.55	12.85	10.85				
5	12.95	10.65	8.95				
6	8.95	7.25	5.95				
7	6.25	4.75	3.75				
8	4.15	2.95	2.05				
9	2.45	1.45					
10	1.15						
12							
14							
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
Parts of line	12	12	10	6	6	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:002341	code:002342	code:002341	/	/	/	/	/
3	26.25	21.85		Lift forbidden				
3.5	21.85	18.25						
4	18.45	15.45	17.15					
4.5	15.75	13.15	14.85					
5	13.55	11.25	13.05					
6	10.25	8.25	9.95					
7	7.75	6.05	7.55					
8	5.85	4.35	5.75					
9	4.35	3.05	4.45					
10	3.15	1.95	3.35					
12	1.35		1.75					
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
Parts of line	10	8	8	6	6	5	5	4
Hook block	80t/100t hook (Maximum parts of line:12), 35t hook (Maximum parts of line:6)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2 Single top working condition

2.2.1 Single top working condition without main hook (static hoisting, jib is installed on the right side of boom, single top hook lifting)

2.2.1.1 Crawler in full length, superstructure counterweight 26t, car-body counterweight: 9t; 360° slewing operation

Radius m \ Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
	code:000031	code:000032	code:000033	code:000033	code:000033	code:000033	code:000033
2.5	6.5						
3	6.5	6.5	6.5				
3.5	6.5	6.5	6.5				
4	6.5	6.5	6.5				
4.5	6.5	6.5	6.5				
5	6.5	6.5	6.5	6.5			
6	6.5	6.5	6.5	6.5			
7	6.5	6.5	6.5	6.5	6.5		
8	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5	6.5	6.5
12		6.5	6.5	6.5	6.5	6.5	6.5
14		6.5	6.5	6.5	6.5	6.5	6.5
16			6.5	6.5	6.5	6.5	6.5
18			6.5	6.5	6.5	6.5	6.1
20			5.3	6.5	6.5	6.5	5.0
22				5.6	6.2	5.7	4.1
24				4.3	5.2	4.8	3.4
26				3.2	4.2	4.0	2.8
28					3.3	3.3	2.3
30					2.5	2.8	1.9
32					1.8	2.3	1.5
34					1.2	1.9	1.2
36						1.4	1.0
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:000031	code:000032	code:000031	code:000032	code:000031	code:000032	code:000031	code:000032
3	6.5							
3.5	6.5							
4	6.5	6.5						
4.5	6.5	6.5	6.5					
5	6.5	6.5	6.5					
6	6.5	6.5	6.5	6.5				
7	6.5	6.5	6.5	6.5	6.5			
8	6.5	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
12	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
14	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
16	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
18		6.5	6.5	6.5	6.5	6.5	6.5	6.5
20		6.5	6.5	6.5	6.5	6.5	6.5	6.5
22		6.0	6.5	6.5	6.5	6.5	6.5	6.2
24			6.4	5.8	6.5	6.0	6.5	5.3
26				4.7	6.0	5.1	5.8	4.6
28				3.8	5.0	4.4	5.1	3.9
30					4.2	3.7	4.5	3.4
32					3.5	3.0	4.0	2.9
34						2.4	3.4	2.5
36						1.8	2.8	2.2
38							2.3	1.8
40								1.4
42								1.0
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.1.2 Crawler in full length, superstructure counterweight 18.5t, car-body counterweight: 9t; 360° slewing operation

Radius m \ Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
	code:000131	code:000132	code:000133	code:000133	code:000133	code:000133	code:000133
2.5	6.5						
3	6.5	6.5	6.5				
3.5	6.5	6.5	6.5				
4	6.5	6.5	6.5				
4.5	6.5	6.5	6.5				
5	6.5	6.5	6.5	6.5			
6	6.5	6.5	6.5	6.5			
7	6.5	6.5	6.5	6.5	6.5		
8	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5	6.5	6.5
12		6.5	6.5	6.5	6.5	6.5	6.5
14		6.5	6.5	6.5	6.5	6.5	6.4
16			6.5	6.5	6.5	6.5	4.9
18			5.0	6.5	6.5	5.9	3.8
20			3.3	5.1	5.3	4.7	2.9
22				3.7	4.2	3.7	2.2
24				2.6	3.3	3.0	1.6
26				1.7	2.6	2.3	1.1
28					1.9	1.8	
30					1.2	1.3	
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:000131	25.4 code:000132	27.8 code:000131	32.6 code:000132	35.1 code:000131	39.9 code:000132	42.3 code:000131	47.2 code:000132
3	6.5							
3.5	6.5							
4	6.5	6.5						
4.5	6.5	6.5	6.5					
5	6.5	6.5	6.5					
6	6.5	6.5	6.5	6.5				
7	6.5	6.5	6.5	6.5	6.5			
8	6.5	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
12	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
14	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
16	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
18		6.5	6.5	6.5	6.5	6.5	6.5	6.3
20		5.5	6.5	6.5	6.5	6.0	6.5	5.2
22		4.1	5.9	5.3	6.4	5.0	5.6	4.3
24			4.8	4.1	5.4	4.2	4.8	3.5
26				3.2	4.4	3.5	4.1	2.9
28				2.4	3.6	2.9	3.6	2.4
30					2.9	2.3	3.1	2.0
32					2.3	1.7	2.7	1.6
34						1.2	2.2	1.3
36							1.7	1.0
38							1.3	
40								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.1.3 Crawler in full length, superstructure counterweight 11t, car-body counterweight: 9t;
360° slewing operation

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:000231	code:000232	code:000233	code:000233	code:000233	/	/
2.5	6.5					Lift forbidden	
3	6.5	6.5	6.5				
3.5	6.5	6.5	6.5				
4	6.5	6.5	6.5				
4.5	6.5	6.5	6.5				
5	6.5	6.5	6.5	6.5			
6	6.5	6.5	6.5	6.5			
7	6.5	6.5	6.5	6.5	6.5		
8	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5		
12		6.5	6.5	6.5	6.5		
14		6.5	6.5	6.5	6.5		
16			5.4	6.5	6.5		
18			3.5	5.2	5.2		
20			2.0	3.7	4		
22				2.5	3.1		
24					2.3		
26							
28							
30							
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2	
	code:000231	code:000232	code:000231	code:000232	code:000231	code:000232	code:000231	/	
3	6.5							Lift forbidden	
3.5	6.5								
4	6.5	6.5							
4.5	6.5	6.5	6.5						
5	6.5	6.5	6.5						
6	6.5	6.5	6.5	6.5					
7	6.5	6.5	6.5	6.5	6.5				
8	6.5	6.5	6.5	6.5	6.5	6.5			
9	6.5	6.5	6.5	6.5	6.5	6.5			
10	6.5	6.5	6.5	6.5	6.5	6.5	6.5		
12	6.5	6.5	6.5	6.5	6.5	6.5	6.5		
14	6.5	6.5	6.5	6.5	6.5	6.5	6.5		
16	6.5	6.5	6.5	6.5	6.5	6.5	6.5		
18		5.6	6.5	6.5	6.5	6	6.5		
20		4.1	5.8	5.1	6.2	4.8	5.4		
22		2.9	4.6	3.9	5.2	3.9	4.5		
24			3.6	3	4.2	3.1	3.8		
26				2.1	3.3	2.5	3.2		
28					2.6	2	2.7		
30					2		2.3		
32					1.5		1.9		
34							1.4		
36									
38									
Parts of line	1								
Hook block	7t hook(150kg)								
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%	
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%	
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%	
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%	



2.2.1.4 Crawler in full length, superstructure counterweight 0t, car-body counterweight: 9t;
360° slewing operation

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:000331	code:000332	code:000333	/	/	/	/
2.5	6.5			Lift forbidden			
3	6.5	6.5	6.5				
3.5	6.5	6.5	6.5				
4	6.5	6.5	6.5				
4.5	6.5	6.5	6.5				
5	6.5	6.5	6.5				
6	6.5	6.5	6.5				
7	6.5	6.5	6.5				
8	6.5	6.5	6.5				
9	6.5	6.5	6.5				
10	6.5	6.5	6.5				
12		6.4	6.3				
14		3.7	3.6				
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
38							
40							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:000331	code:000332	code:000331	/	/	/	/	/
3	6.5			Lift forbidden				
3.5	6.5							
4	6.5	6.5						
4.5	6.5	6.5	6.5					
5	6.5	6.5	6.5					
6	6.5	6.5	6.5					
7	6.5	6.5	6.5					
8	6.5	6.5	6.5					
9	6.5	6.5	6.5					
10	6.5	6.5	6.5					
12	6.5	6.5	6.5					
14	6.5	5.8	6.5					
16	4.5	3.9	5.6					
18		2.4	4.1					
20			2.9					
22			2					
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.2 Single top working condition without main hook (travel with load, jib is installed on the right side of boom, single top hook lifting)

2.2.2.1 Crawler in full length, superstructure counterweight 26t, car-body counterweight: 9t; over front operation, at the lowest stable travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:001031	code:001032	code:001033	code:001033	code:001033	code:001033	/
2.5	6.5						Lift forbidden
3	6.5	6.5	6.5				
3.5	6.5	6.5	6.5				
4	6.5	6.5	6.5				
4.5	6.5	6.5	6.5				
5	6.5	6.5	6.5	6.5			
6	6.5	6.5	6.5	6.5			
7	6.5	6.5	6.5	6.5	6.5		
8	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5	6.5	
12		6.5	6.5	6.5	6.5	6.5	
14		6.5	6.5	6.5	6.5	6.5	
16			6.5	6.5	6.5	6.5	
18			6.5	6.5	6.5	6.5	
20			5.1	6.5	6.5	5.8	
22				5.3	5.6	4.9	
24				4.1	4.6	4.1	
26				3.0	3.8	3.4	
28					3.0	2.8	
30					2.3	2.4	
32					1.7	2.0	
34					1.1	1.6	
36						1.2	
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
Radius m	code:001031	code:001032	code:001031	code:001032	code:001031	code:001032	code:001031	code:001032
3	6.5							
3.5	6.5							
4	6.5	6.5						
4.5	6.5	6.5	6.5					
5	6.5	6.5	6.5					
6	6.5	6.5	6.5	6.5				
7	6.5	6.5	6.5	6.5	6.5			
8	6.5	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
12	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
14	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
16	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
18		6.5	6.5	6.5	6.5	6.5	6.5	6.5
20		6.5	6.5	6.5	6.5	6.5	6.5	6.2
22		5.4	6.5	6.4	6.5	6.3	6.5	5.3
24			6.1	5.2	6.4	5.4	5.6	4.5
26				4.2	5.4	4.6	4.9	3.9
28				3.4	4.5	4.0	4.4	3.3
30					3.8	3.3	3.9	2.9
32					3.2	2.7	3.4	2.5
34						2.1	2.8	2.2
36						1.6	2.4	1.9
38							2.0	1.5
40								1.2
42								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.2.2 Crawler in full length, superstructure counterweight 18.5t, car-body counterweight: 9t; over front operation, at the lowest stable travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:001131	code:001132	code:001133	code:001133	code:001133	/	/
2.5	6.5					Lift forbidden	
3	6.5	6.5	6.5				
3.5	6.5	6.5	6.5				
4	6.5	6.5	6.5				
4.5	6.5	6.5	6.5				
5	6.5	6.5	6.5	6.5			
6	6.5	6.5	6.5	6.5			
7	6.5	6.5	6.5	6.5	6.5		
8	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5		
12		6.5	6.5	6.5	6.5		
14		6.5	6.5	6.5	6.5		
16			6.5	6.5	6.5		
18			4.8	6.1	5.6		
20			3.1	4.6	4.5		
22				3.3	3.6		
24				2.3	2.8		
26				1.5	2.2		
28					1.6		
30					1.0		
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:001131	code:001132	code:001131	code:001132	code:001131	code:001132	code:001131	/
3	6.5							Lift forbidden
3.5	6.5							
4	6.5	6.5						
4.5	6.5	6.5	6.5					
5	6.5	6.5	6.5					
6	6.5	6.5	6.5	6.5				
7	6.5	6.5	6.5	6.5	6.5			
8	6.5	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
12	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
14	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
16	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
18		6.5	6.5	6.5	6.5	5.9	5.9	
20		5.0	6.5	5.5	6.4	4.8	5.0	
22		3.7	5.3	4.5	5.4	4.0	4.2	
24			4.3	3.5	4.6	3.4	3.6	
26				2.7	3.7	2.8	3.1	
28				2.0	3.1	2.3	2.7	
30					2.5	1.8	2.3	
32					2.0	1.4	2.0	
34						1.0	1.7	
36							1.3	
38							1.0	
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.2.3 Crawler in full length, superstructure counterweight 11t, car-body counterweight: 9t;
over front operation, at the lowest stable travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:001231	code:001232	code:001233	code:001233	code:001233	/	/
2.5	6.5					Lift forbidden	
3	6.5	6.5	6.5				
3.5	6.5	6.5	6.5				
4	6.5	6.5	6.5				
4.5	6.5	6.5	6.5				
5	6.5	6.5	6.5	6.5			
6	6.5	6.5	6.5	6.5			
7	6.5	6.5	6.5	6.5	6.5		
8	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5		
12		6.5	6.5	6.5	6.5		
14		6.5	6.4	6.5	5.9		
16			4.1	5.3	4.4		
18			2.4	3.9	3.3		
20			1.1	2.8	2.5		
22				1.7	1.8		
24					1.2		
26							
28							
30							
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m \ Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:001231	code:001232	code:001231	code:001232	code:001231	code:001232	code:001231	/
3	6.5							Lift forbidden
3.5	6.5							
4	6.5	6.5						
4.5	6.5	6.5	6.5					
5	6.5	6.5	6.5					
6	6.5	6.5	6.5	6.5				
7	6.5	6.5	6.5	6.5	6.5			
8	6.5	6.5	6.5	6.5	6.5	6.5		
9	6.5	6.5	6.5	6.5	6.5	6.5		
10	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
12	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
14	6.5	6.5	6.5	6.5	6.5	6.4	6.4	
16	6.5	6.2	6.5	6.0	6.3	5.0	5.1	
18		4.5	6.1	4.7	5.1	3.9	4.1	
20		3.2	4.8	3.7	4.2	3.0	3.4	
22		2.1	3.7	2.9	3.4	2.4	2.8	
24			2.8	2.0	2.9	1.8	2.3	
26				1.4	2.3	1.4	1.9	
28					1.8	1.0	1.5	
30					1.3		1.3	
32							1.0	
34								
36								
38								
40								
42								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.2.4 Crawler in full length, superstructure counterweight 0t, car-body counterweight: 9t;
over front operation, at the lowest stable travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:001331	code:001332	code:001333	/	/	/	/
2.5	6.5			Lift forbidden			
3	6.5	6.5	6.5				
3.5	6.5	6.5	6.5				
4	6.5	6.5	6.5				
4.5	6.5	6.5	6.5				
5	6.5	6.5	6.5				
6	6.5	6.5	6.5				
7	6.5	6.5	6.5				
8	6.5	6.5	6.5				
9	6.5	6.5	6.5				
10	6.5	6.5	6.4				
12		4.7	3.8				
14		2.3	2.0				
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2					
	code:001331	code:001332	code:001331	/	/	/	/	/					
3	6.5			Lift forbidden									
3.5	6.5												
4	6.5	6.5											
4.5	6.5	6.5	6.5										
5	6.5	6.5	6.5										
6	6.5	6.5	6.5										
7	6.5	6.5	6.5										
8	6.5	6.5	6.5										
9	6.5	6.5	6.5										
10	6.5	6.5	6.5										
12	6.5	5.4	6.5										
14	5.0	3.6	4.8										
16	3.2	2.3	3.5										
18		1.3	2.6										
20			1.8										
22			1.1										
24													
26													
28													
30													
32													
34													
36													
38													
Parts of line	1												
Hook block	7t hook(150kg)												
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%					
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%					
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%					
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%					



2.2.3 Single top working condition with main hook (static hoisting, jib is installed on the right side of boom, single top hook lifting)

2.2.3.1 Crawler in full length, superstructure counterweight 26t, car-body counterweight: 9t; 360° slewing operation

Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
Radius m	code:002031	code:002032	code:002033	code:002033	code:002033	code:002033	code:002033
2.5	5.8						
3	5.8	5.8	5.8				
3.5	5.8	5.8	5.8				
4	5.8	5.8	5.8				
4.5	5.8	5.8	5.8				
5	5.8	5.8	5.8	5.8			
6	5.8	5.8	5.8	5.8			
7	5.8	5.8	5.8	5.8	5.8		
8	5.8	5.8	5.8	5.8	5.8		
9	5.8	5.8	5.8	5.8	5.8		
10	5.8	5.8	5.8	5.8	5.8	5.8	5.8
12		5.8	5.8	5.8	5.8	5.8	5.8
14		5.8	5.8	5.8	5.8	5.8	5.8
16			5.8	5.8	5.8	5.8	5.8
18			5.8	5.8	5.8	5.8	5.4
20			4.6	5.8	5.8	5.8	4.3
22				4.9	5.5	5	3.4
24				3.6	4.5	4.1	2.7
26				2.5	3.5	3.3	2.1
28					2.6	2.6	1.6
30					1.8	2.1	1.2
32					1.1	1.6	0.8
34					0.5	1.2	0.5
36						0.7	
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:002031	25.4 code:002032	27.8 code:002031	32.6 code:002032	35.1 code:002031	39.9 code:002032	42.3 code:002031	47.2 code:002032
3	5.8							
3.5	5.8							
4	5.8	5.8						
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8					
6	5.8	5.8	5.8	5.8				
7	5.8	5.8	5.8	5.8	5.8			
8	5.8	5.8	5.8	5.8	5.8	5.8		
9	5.8	5.8	5.8	5.8	5.8	5.8		
10	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
12	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
14	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
16	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
18		5.8	5.8	5.8	5.8	5.8	5.8	5.8
20		5.8	5.8	5.8	5.8	5.8	5.8	5.8
22		5.3	5.8	5.8	5.8	5.8	5.8	5.5
24			5.7	5.1	5.8	5.3	5.8	4.6
26				4	5.3	4.4	5.1	3.9
28				3.1	4.3	3.7	4.4	3.2
30					3.5	3	3.8	2.7
32					2.8	2.3	3.3	2.2
34						1.7	2.7	1.8
36						1.1	2.1	1.5
38							1.6	1.1
40								0.7
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.3.2 Crawler in full length, superstructure counterweight 18.5t, car-body counterweight: 9t; 360° slewing operation

Radius m \ Boom length m	13.3	18.1	23	30.2	37.5	44.7	52
	code:002131	code:002132	code:002133	code:002133	code:002133	code:002133	code:002133
2.5	5.8						
3	5.8	5.8	5.8				
3.5	5.8	5.8	5.8				
4	5.8	5.8	5.8				
4.5	5.8	5.8	5.8				
5	5.8	5.8	5.8	5.8			
6	5.8	5.8	5.8	5.8			
7	5.8	5.8	5.8	5.8	5.8		
8	5.8	5.8	5.8	5.8	5.8		
9	5.8	5.8	5.8	5.8	5.8		
10	5.8	5.8	5.8	5.8	5.8	5.8	5.8
12		5.8	5.8	5.8	5.8	5.8	5.8
14		5.8	5.8	5.8	5.8	5.8	5.7
16			5.8	5.8	5.8	5.8	4.2
18			4.3	5.8	5.8	5.2	3.1
20			2.6	4.4	4.6	4	2.2
22				3	3.5	3	1.5
24				1.9	2.6	2.3	0.9
26				1	1.9	1.6	
28					1.2	1.1	
30					0.5	0.6	
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:002131	25.4 code:002132	27.8 code:002131	32.6 code:002132	35.1 code:002131	39.9 code:002132	42.3 code:002131	47.2 code:002132
3	5.8							
3.5	5.8							
4	5.8	5.8						
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8					
6	5.8	5.8	5.8	5.8				
7	5.8	5.8	5.8	5.8	5.8			
8	5.8	5.8	5.8	5.8	5.8	5.8		
9	5.8	5.8	5.8	5.8	5.8	5.8		
10	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
12	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
14	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
16	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
18		5.8	5.8	5.8	5.8	5.8	5.8	5.6
20		4.8	5.8	5.8	5.8	5.3	5.8	4.5
22		3.4	5.2	4.6	5.7	4.3	4.9	3.6
24			4.1	3.4	4.7	3.5	4.1	2.8
26				2.5	3.7	2.8	3.4	2.2
28				1.7	2.9	2.2	2.9	1.7
30					2.2	1.6	2.4	1.3
32					1.6	1	2	0.9
34						0.5	1.5	0.6
36							1	
38							0.6	
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.3.3 Crawler in full length, superstructure counterweight 11t, car-body counterweight: 9t;
360° slewing operation

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52	
	code:002231	code:002232	code:002233	code:002233	code:002233	/	/	
2.5	5.8					Lift forbidden		
3	5.8	5.8	5.8					
3.5	5.8	5.8	5.8					
4	5.8	5.8	5.8					
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8	5.8				
6	5.8	5.8	5.8	5.8				
7	5.8	5.8	5.8	5.8	5.8			
8	5.8	5.8	5.8	5.8	5.8			
9	5.8	5.8	5.8	5.8	5.8			
10	5.8	5.8	5.8	5.8	5.8			
12		5.8	5.8	5.8	5.8			
14		5.8	5.8	5.8	5.8			
16			4.7	5.8	5.8			
18			2.8	4.5	4.5			
20			1.3	3	3.3			
22				1.8	2.4			
24					1.6			
26								
28								
30								
32								
34								
36								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	100%	100%	100%	100%	100%	
3rd boom section	0%	0%	0%	25%	50%	75%	100%	
4th boom section	0%	0%	0%	25%	50%	75%	100%	
5th boom section	0%	0%	0%	25%	50%	75%	100%	



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2	
	code:002231	code:002232	code:002231	code:002232	code:002231	code:002232	code:002231	/	
3	5.8							Lift forbidden	
3.5	5.8								
4	5.8	5.8							
4.5	5.8	5.8	5.8						
5	5.8	5.8	5.8						
6	5.8	5.8	5.8	5.8					
7	5.8	5.8	5.8	5.8	5.8				
8	5.8	5.8	5.8	5.8	5.8	5.8			
9	5.8	5.8	5.8	5.8	5.8	5.8			
10	5.8	5.8	5.8	5.8	5.8	5.8	5.8		
12	5.8	5.8	5.8	5.8	5.8	5.8	5.8		
14	5.8	5.8	5.8	5.8	5.8	5.8	5.8		
16	5.8	5.8	5.8	5.8	5.8	5.8	5.8		
18		4.9	5.8	5.8	5.8	5.3	5.8		
20		3.4	5.1	4.4	5.5	4.1	4.7		
22		2.2	3.9	3.2	4.5	3.2	3.8		
24			2.9	2.3	3.5	2.4	3.1		
26				1.4	2.6	1.8	2.5		
28					1.9	1.3	2		
30					1.3		1.6		
32					0.8		1.2		
34							0.7		
36									
38									
Parts of line	1								
Hook block	7t hook(150kg)								
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%	
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%	
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%	
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%	



2.2.3.4 Crawler in full length, superstructure counterweight 0t, car-body counterweight: 9t;
360° slewing operation

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:002331	code:002332	code:002333	/	/	/	/
2.5	5.8			Lift forbidden			
3	5.8	5.8	5.8				
3.5	5.8	5.8	5.8				
4	5.8	5.8	5.8				
4.5	5.8	5.8	5.8				
5	5.8	5.8	5.8				
6	5.8	5.8	5.8				
7	5.8	5.8	5.8				
8	5.8	5.8	5.8				
9	5.8	5.8	5.8				
10	5.8	5.8	5.8				
12		5.7	5.6				
14		3	2.9				
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:002331	code:002332	code:002331	/	/	/	/	/
3	5.8			Lift forbidden				
3.5	5.8							
4	5.8	5.8						
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8					
6	5.8	5.8	5.8					
7	5.8	5.8	5.8					
8	5.8	5.8	5.8					
9	5.8	5.8	5.8					
10	5.8	5.8	5.8					
12	5.8	5.8	5.8					
14	5.8	5.1	5.8					
16	3.8	3.2	4.9					
18		1.7	3.4					
20			2.2					
22			1.3					
24								
26								
28								
30								
32								
34								
36								
38								
40								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.4 Single top working condition with main hook (travel with load, jib is installed on the right side of boom, single top hook lifting)

2.2.4.1 Crawler in full length, superstructure counterweight 26t, car-body counterweight: 9t; over front operation, the lowest stable travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52	
	code:003031	code:003032	code:003033	code:003033	code:003033	code:003033	/	
2.5	5.8						Lift forbidden	
3	5.8	5.8	5.8					
3.5	5.8	5.8	5.8					
4	5.8	5.8	5.8					
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8	5.8				
6	5.8	5.8	5.8	5.8				
7	5.8	5.8	5.8	5.8	5.8			
8	5.8	5.8	5.8	5.8	5.8			
9	5.8	5.8	5.8	5.8	5.8			
10	5.8	5.8	5.8	5.8	5.8	5.8		
12		5.8	5.8	5.8	5.8	5.8		
14		5.8	5.8	5.8	5.8	5.8		
16			5.8	5.8	5.8	5.8		
18			5.8	5.8	5.8	5.8		
20			4.4	5.8	5.8	5.1		
22				4.6	4.9	4.2		
24				3.4	3.9	3.4		
26				2.3	3.1	2.7		
28					2.3	2.1		
30					1.6	1.7		
32					1	1.3		
34					0.4	0.9		
36						0.5		
38								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	100%	100%	100%	100%	100%	
3rd boom section	0%	0%	0%	25%	50%	75%	100%	
4th boom section	0%	0%	0%	25%	50%	75%	100%	
5th boom section	0%	0%	0%	25%	50%	75%	100%	



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:003031	code:003032	code:003031	code:003032	code:003031	code:003032	code:003031	code:003032
3	5.8							
3.5	5.8							
4	5.8	5.8						
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8					
6	5.8	5.8	5.8	5.8				
7	5.8	5.8	5.8	5.8	5.8			
8	5.8	5.8	5.8	5.8	5.8	5.8		
9	5.8	5.8	5.8	5.8	5.8	5.8		
10	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
12	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
14	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
16	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
18		5.8	5.8	5.8	5.8	5.8	5.8	5.8
20		5.8	5.8	5.8	5.8	5.8	5.8	5.5
22		4.7	5.8	5.7	5.8	5.6	5.8	4.6
24			5.4	4.5	5.7	4.7	4.9	3.8
26				3.5	4.7	3.9	4.2	3.2
28				2.7	3.8	3.3	3.7	2.6
30					3.1	2.6	3.2	2.2
32					2.5	2	2.7	1.8
34						1.4	2.1	1.5
36						0.9	1.7	1.2
38							1.3	0.8
40								0.5
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.4.2 Crawler in full length, superstructure counterweight 18.5t, car-body counterweight: 9t; over front operation, the lowest stable travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:003131	code:003132	code:003133	code:003133	code:003133	/	/
2.5	5.8					Lift forbidden	
3	5.8	5.8	5.8				
3.5	5.8	5.8	5.8				
4	5.8	5.8	5.8				
4.5	5.8	5.8	5.8				
5	5.8	5.8	5.8	5.8			
6	5.8	5.8	5.8	5.8			
7	5.8	5.8	5.8	5.8	5.8		
8	5.8	5.8	5.8	5.8	5.8		
9	5.8	5.8	5.8	5.8	5.8		
10	5.8	5.8	5.8	5.8	5.8		
12		5.8	5.8	5.8	5.8		
14		5.8	5.8	5.8	5.8		
16			5.8	5.8	5.8		
18			4.1	5.4	4.9		
20			2.4	3.9	3.8		
22				2.6	2.9		
24				1.6	2.1		
26				0.8	1.5		
28					0.9		
30							
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5 code:003131	25.4 code:003132	27.8 code:003131	32.6 code:003132	35.1 code:003131	39.9 code:003132	42.3 code:003131	47.2 /
3	5.8							Lift forbidden
3.5	5.8							
4	5.8	5.8						
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8					
6	5.8	5.8	5.8	5.8				
7	5.8	5.8	5.8	5.8	5.8			
8	5.8	5.8	5.8	5.8	5.8	5.8		
9	5.8	5.8	5.8	5.8	5.8	5.8		
10	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
12	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
14	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
16	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
18		5.8	5.8	5.8	5.8	5.2	5.2	
20		4.3	5.8	4.8	5.7	4.1	4.3	
22		3	4.6	3.8	4.7	3.3	3.5	
24			3.6	2.8	3.9	2.7	2.9	
26				2	3	2.1	2.4	
28				1.3	2.4	1.6	2	
30					1.8	1.1	1.6	
32					1.3	0.7	1.3	
34							1	
36							0.6	
38								
40								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.4.3 Crawler in full length, superstructure counterweight 11t, car-body counterweight: 9t;
over front operation, the lowest table travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52	
	code:003231	code:003232	code:003233	code:003233	code:003233	/	/	
2.5	5.8					Lift forbidden		
3	5.8	5.8	5.8					
3.5	5.8	5.8	5.8					
4	5.8	5.8	5.8					
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8	5.8				
6	5.8	5.8	5.8	5.8				
7	5.8	5.8	5.8	5.8	5.8			
8	5.8	5.8	5.8	5.8	5.8			
9	5.8	5.8	5.8	5.8	5.8			
10	5.8	5.8	5.8	5.8	5.8			
12		5.8	5.8	5.8	5.8			
14		5.8	5.7	5.8	5.2			
16			3.4	4.6	3.7			
18			1.7	3.2	2.6			
20			0.4	2.1	1.8			
22				1	1.1			
24					0.5			
26								
28								
30								
32								
34								
36								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	100%	100%	100%	100%	100%	
3rd boom section	0%	0%	0%	25%	50%	75%	100%	
4th boom section	0%	0%	0%	25%	50%	75%	100%	
5th boom section	0%	0%	0%	25%	50%	75%	100%	



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:003231	code:003232	code:003231	code:003232	code:003231	code:003232	code:003231	/
3	5.8							Lift forbidden
3.5	5.8							
4	5.8	5.8						
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8					
6	5.8	5.8	5.8	5.8				
7	5.8	5.8	5.8	5.8	5.8			
8	5.8	5.8	5.8	5.8	5.8	5.8		
9	5.8	5.8	5.8	5.8	5.8	5.8		
10	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
12	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
14	5.8	5.8	5.8	5.8	5.8	5.7	5.7	
16	5.8	5.5	5.8	5.3	5.6	4.3	4.4	
18		3.8	5.4	4	4.4	3.2	3.4	
20		2.5	4.1	3	3.5	2.3	2.7	
22		1.4	3	2.2	2.7	1.7	2.1	
24			2.1	1.3	2.2	1.1	1.6	
26				0.7	1.6	0.7	1.2	
28					1.1		0.8	
30					0.6		0.6	
32								
34								
36								
38								
40								
42								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.2.4.4 Crawler in full length, superstructure counterweight 0t, car-body counterweight: 9t;
over front operation, the lowest table travel speed

Boom length m Radius m	13.3	18.1	23	30.2	37.5	44.7	52
	code:003331	code:003332	code:003333	/	/	/	/
2.5	5.8			Lift forbidden			
3	5.8	5.8	5.8				
3.5	5.8	5.8	5.8				
4	5.8	5.8	5.8				
4.5	5.8	5.8	5.8				
5	5.8	5.8	5.8				
6	5.8	5.8	5.8				
7	5.8	5.8	5.8				
8	5.8	5.8	5.8				
9	5.8	5.8	5.8				
10	5.8	5.8	5.7				
12		4	3.1				
14		1.6	1.3				
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
38							
Parts of line	1						
Hook block	7t hook(150kg)						
2nd boom section	0%	50%	100%	100%	100%	100%	100%
3rd boom section	0%	0%	0%	25%	50%	75%	100%
4th boom section	0%	0%	0%	25%	50%	75%	100%
5th boom section	0%	0%	0%	25%	50%	75%	100%



Boom length m Radius m	20.5	25.4	27.8	32.6	35.1	39.9	42.3	47.2
	code:003331	code:003332	code:003331	/	/	/	/	/
3	5.8			Lift forbidden				
3.5	5.8							
4	5.8	5.8						
4.5	5.8	5.8	5.8					
5	5.8	5.8	5.8					
6	5.8	5.8	5.8					
7	5.8	5.8	5.8					
8	5.8	5.8	5.8					
9	5.8	5.8	5.8					
10	5.8	5.8	5.8					
12	5.8	4.7	5.8					
14	4.3	2.9	4.1					
16	2.5	1.6	2.8					
18		0.6	1.9					
20			1.1					
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
Parts of line	1							
Hook block	7t hook(150kg)							
2nd boom section	0%	50%	0%	50%	0%	50%	0%	50%
3rd boom section	25%	25%	50%	50%	75%	75%	100%	100%
4th boom section	25%	25%	50%	50%	75%	75%	100%	100%
5th boom section	25%	25%	50%	50%	75%	75%	100%	100%



2.3 Fixed jib working condition

2.3.1 Fixed jib working condition without main hook (static hoisting, fixed jib hook lifting)

2.3.1.1 Crawler in full length, superstructure counterweight 26t, car-body counterweight: 9t; 360° slewing operation

Working Radius m	52+10.5			52+17.5		
	0°	15°	30°	0°	15°	30°
	Lifting load	Lifting load	Lifting load	Lifting load	Lifting load	Lifting load
Jib offset angle (°)	0° code:000011	15° code:000012	30° code:000013	0° code:000021	15° code:000022	30° code:000023
80°	6.5	6.5	4.7	5.2	3.8	2.6
78°	6.5	6.5	4.7	5	3.7	2.5
75°	6.5	6.4	4.7	4.5	3.4	2.3
72°	6.5	6.2	4.7	4.3	3.3	2.3
70°	6.5	5.9	4.6	4.1	3.2	2.2
65°	5.3	4.8	4.1	3.6	3	2
60°	3.4	3.1	3	2.3	2	1.9
55°	2.1	2	1.9	1.3	1.2	1.2
50°	1.3	1.2	1.2	0.9	0.9	0.9
Parts of line	1					
Hook block	7t hook(150Kg)					



2.3.2 Fixed jib working condition with main hook (static hoisting, fixed jib hook lifting)

2.3.2.1 Crawler in full length, superstructure counterweight 26t, car-body counterweight: 9t; 360° slewing operation

Working Radius m	52+10.5			52+17.5		
	0°	15°	30°	0°	15°	30°
	Lifting load	Lifting load	Lifting load	Lifting load	Lifting load	Lifting load
Jib offset angle (°)	0° code:001011	15° code:001012	30° code:001013	0° code:001021	15° code:001022	30° code:001023
80°	5.8	5.8	4	4.5	3.1	1.9
78°	5.8	5.8	4	4.3	3	1.8
75°	5.8	5.7	4	3.8	2.7	1.6
72°	5.8	5.5	4	3.6	2.6	1.6
70°	5.8	5.2	3.9	3.4	2.5	1.5
65°	4.6	4.1	3.4	2.9	2.3	1.3
60°	2.7	2.4	2.3	1.6	1.3	1.2
55°	1.4	1.3	1.2	0.6	0.5	0.5
50°	0.6	0.5	0.5			
Parts of line	1					
Hook block	7t hook(150Kg)					



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3. Description of rated load

- 1、 Working radius is the horizontal distance from lifted load to slewing axis of crane. The radius stated is valid under load conditions, i.e. including boom flexure.
- 2、 The boom may only be maneuvered into those areas specified in the load chart, even if no load is suspended, otherwise there is a risk of the crane toppling.
- 3、 Before beginning lifting, the operator should know the weight of the load to be lifted and its working range, and should then select proper working conditions. Never operate the crane beyond the limit shown in the chart. Use the lower value from the chart when the boom length or working radius is between the range of values.
- 4、 All the rated loads given in the table are data based on a crane slowly steadily lifting a load on a flat and firm ground whose gradient is not over 1%.
- 5、 All the rated loads given in the table are calculated in accordance with international and Australian standards.
- 6、 Rated lifting capacity in the table include the weight of hook block and sling. In the actual work, the max. lifting load should deduct the weight of hook block, sling and wire rope.
- 7、 Requirements for wind speed:

The max. wind speed while traveling or in climbing operation is 9.8m/s (3s instantaneous wind velocity).

A static lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed of 14.1 m/s, wind pressure of 125N/m²).

- 1) Boom working condition:
 - is or less than 14.1 m/s for the boom of 20m or less;
 - is or less than 12.8 m/s for the boom of 30m or less;
 - is or less than 11.1m/s for the boom of 60m or less.
 - 2) Jib or luffing jib may be operated, when the wind speed is or less than 9 m/s.
- 8、 The lifting capacity of the telescopic boom with its extendable telescopic sections is limited. The loads stated in the load capacity tables must not be exceeded.
 - 9、 The specifications for the telescopic sections to be extended according to load and required boom length must be observed under all circumstances.
 - 10、 As a general rule, the boom should first be extended to the required length, and then loaded.
 - 11、 Even without a load, the telescopic boom may only be moved within the working radius ranges for which values are listed in the load capacity table.



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