

# KATO

## MR-130R

### 13T City Class All Terrain

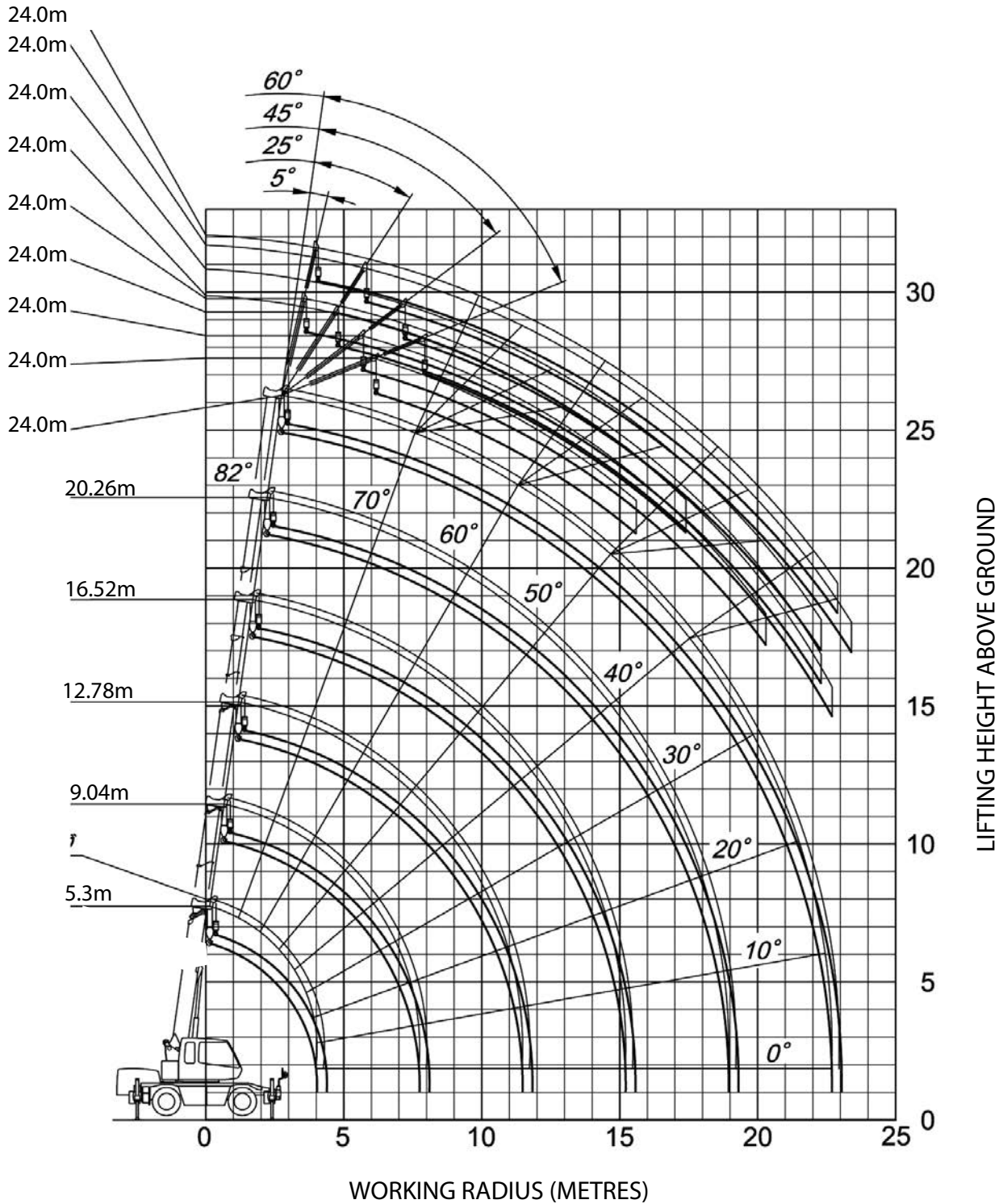




# 13 TONNE


## Kato MR-130R City Class All Terrain


### WORKING RANGE







## RATED LIFTING CAPACITY

Working radius (m)	 (4.75m)					
	Outriggers fully extended (360° full range)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	13.00	6.00	6.00			
1.7	13.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00		
2.5	10.00	6.00	6.00	5.00		
3.0	8.20	6.00	6.00	5.00	4.70	
3.5	7.00	6.00	6.00	5.00	4.70	3.20
4.0	6.10	6.00	6.00	5.00	4.70	3.20
4.5		5.50	5.40	5.00	4.50	3.20
5.0		5.00	4.90	4.60	4.05	3.20
5.5		4.50	4.40	4.20	3.70	3.20
6.0		4.10	4.00	3.80	3.40	3.00
6.5		3.70	3.65	3.50	3.15	2.80
7.0		3.35	3.30	3.20	2.90	2.60
8.0		2.70 (7.7m)	2.90	2.70	2.50	2.25
9.0			2.25	2.30	2.20	1.95
10.0			1.80	2.05	1.95	1.75
11.0			1.45	1.70	1.75	1.55
12.0			1.35 (11.4m)	1.40	1.50	1.40
13.0				1.15	1.30	1.25
14.0				0.95	1.10	1.15
15.0				0.80	0.90	1.00
16.0					0.79	0.85
17.0					0.68	0.74
18.0					0.58	0.64
19.0					0.51 (18.8m)	0.55
20.0						0.47
21.0						0.41
22.0						0.35
22.5						0.32
Critical boom angle	—	—	—	—	—	—
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4

Working radius (m)	 (4.3m)					
	Outriggers intermediately extended (over side)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	13.00	6.00	6.00			
1.7	13.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00		
2.5	10.00	6.00	6.00	5.00		
3.0	8.20	6.00	6.00	5.00	4.70	
3.5	7.00	6.00	6.00	5.00	4.70	3.20
4.0	6.10	6.00	6.00	5.00	4.70	3.20
4.5		5.50	5.40	5.00	4.50	3.20
5.0		5.00	4.90	4.60	4.05	3.20
5.5		4.50	4.40	4.20	3.70	3.20
6.0		4.10	4.00	3.80	3.40	3.00
6.5		3.65	3.60	3.50	3.15	2.80
7.0		3.20	3.15	3.20	2.90	2.60
8.0		2.65 (7.7m)	2.45	2.60	2.50	2.25
9.0			1.90	2.10	2.20	1.95
10.0			1.50	1.70	1.85	1.75
11.0			1.20	1.40	1.55	1.55
12.0			1.10 (11.4m)	1.15	1.30	1.35
13.0				0.95	1.10	1.15
14.0				0.80	0.90	1.00
15.0				0.65	0.75	0.85
16.0					0.65	0.70
17.0					0.55	0.60
18.0					0.45	0.50
19.0					0.35 (18.8m)	0.40
20.0						0.35
21.0						0.30
22.0						0.25
22.5						
Critical boom angle	—	—	—	—	—	—
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4

### RATED LIFTING CAPACITY


Working radius (m)	 (3.7m)					
	Outriggers intermediately extended (over side)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	12.00	6.00	6.00			
1.7	12.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00		
2.5	10.00	6.00	6.00	5.00		
3.0	8.20	6.00	6.00	5.00	4.70	
3.5	7.00	6.00	6.00	5.00	4.70	3.20
4.0	6.10	6.00	6.00	5.00	4.70	3.20
4.5		5.10	5.10	5.00	4.50	3.20
5.0		4.40	4.40	4.50	4.05	3.20
5.5		3.80	3.70	3.90	3.70	3.20
6.0		3.20	3.20	3.40	3.40	3.00
6.5		2.80	2.75	2.95	3.05	2.75
7.0		2.40	2.35	2.55	2.70	2.50
8.0		1.95 (7.7m)	1.80	2.00	2.10	2.15
9.0			1.40	1.60	1.70	1.75
10.0			1.05	1.25	1.35	1.45
11.0			0.80	1.00	1.10	1.20
12.0			0.70 (11.4m)	0.80	0.90	1.00
13.0				0.65	0.75	0.85
14.0				0.50	0.60	0.70
15.0				0.40	0.50	0.55
16.0					0.40	0.45
17.0					0.30	0.35
18.0						0.30
19.0						
20.0						
21.0						
22.0						
22.5						
Critical boom angle	—	—	—	—	23°	36°
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4


Working radius (m)	 (2.7m)					
	Outriggers intermediately extended (over side)					
	5.3m Boom	9.04m Boom	12.78m Boom	16.52m Boom	20.26m Boom	24.0m Boom
1.5	12.00	6.00	6.00			
1.7	12.00	6.00	6.00			
2.0	12.00	6.00	6.00	5.00		
2.5	8.50	6.00	6.00	5.00		
3.0	6.00	6.00	6.00	5.00	4.70	
3.5	4.70	4.70	4.60	4.50	4.40	3.20
4.0	3.70	3.70	3.70	3.70	3.70	3.20
4.5		3.00	3.00	3.10	3.10	3.00
5.0		2.40	2.40	2.60	2.70	2.70
5.5		2.00	2.00	2.20	2.30	2.30
6.0		1.70	1.70	1.85	2.00	2.05
6.5		1.40	1.40	1.60	1.70	1.75
7.0		1.20	1.20	1.40	1.50	1.55
8.0		0.90 (7.7m)	0.85	1.05	1.15	1.20
9.0			0.60	0.80	0.90	0.95
10.0			0.35	0.55	0.65	0.75
11.0				0.40	0.50	0.60
12.0				0.25	0.35	0.45
13.0					0.20	0.30
14.0						0.20
15.0						
16.0						
17.0						
18.0						
19.0						
20.0						
21.0						
22.0						
22.5						
Critical boom angle	—	—	19°	32°	44°	50°
Standard hook	for 13 ton					
Hook mass	90kg					
Parts of line	8	4	4	4	4	4




## RATED LIFTING CAPACITY

### 5.3m — 24.0m Boom

		 (1.64m)										
		Outriggers completely retracted (over side)										
Working radius (m)	5.3m Boom		9.04m Boom		12.78m Boom		16.52m Boom		20.26m Boom		24.0m Boom	
	1.5	8.00	6.00	6.00								
1.7	7.00	6.00	6.00									
2.0	5.60	5.40	5.00	4.70								
2.5	3.80	3.80	3.60	3.50								
3.0	2.80	2.80	2.70	2.70	2.60							
3.5	2.10	2.10	2.00	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
4.0	1.60	1.60	1.55	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.75	1.75
4.5		1.25	1.20	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.45	1.45
5.0		0.95	0.95	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.25	1.25
5.5		0.75	0.75	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.05
6.0		0.60	0.55	0.75	0.80	0.80	0.80	0.80	0.80	0.80	0.90	0.90
6.5		0.40	0.35	0.60	0.65	0.65	0.65	0.65	0.65	0.65	0.75	0.75
7.0		0.25		0.45	0.55	0.55	0.55	0.55	0.55	0.55	0.60	0.60
Critical boom angle	—	20°	54°	61°	66°	66°	66°	66°	66°	66°	70°	70°
Standard hook	for 13 ton											
Hook mass	90kg											
Parts of line	8	4	4	4	4	4	4	4	4	4	4	4

							
		Stationary on rubber					
Working radius (m)	5.3m Boom		9.04m Boom		12.78m Boom		
	Over front	360° full range	Over front	360° full range	Over front	360° full range	
1.5	3.60	2.80	3.60	2.80	3.60	2.80	
2.0	3.40	2.80	3.40	2.80	3.40	2.80	
2.5	3.10	2.15	3.10	2.10	3.10	2.05	
3.0	2.65	1.60	2.60	1.55	2.55	1.50	
3.5	2.30	1.25	2.20	1.20	2.10	1.10	
4.0	2.00	0.90	1.90	0.80	1.70	0.70	
4.5			1.60	0.50	1.40	0.40	
5.0			1.30		1.10		
5.5			1.10		0.95		
6.0			0.90		0.80		
7.0			0.50		0.50		
Critical boom angle	—	—	26°	54°	52°	66°	
Standard hook	for 13 ton						
Hook mass	90kg						
Parts of line	4						


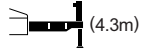
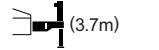
							
		Pick & carry (less than 2 km/h)					
Working radius (m)	5.3m Boom		9.04m Boom		12.78m Boom		
	Over front	360° full range	Over front	360° full range	Over front	360° full range	
1.5	3.20	2.00	3.20	2.00	3.20	2.00	
2.0	3.00	2.00	3.00	2.00	3.00	2.00	
2.5	2.80	1.55	2.75	1.50	2.65	1.45	
3.0	2.40	1.10	2.30	1.05	2.20	1.00	
3.5	2.00	0.85	1.90	0.75	1.80	0.65	
4.0	1.70	0.60	1.65	0.50	1.50	0.40	
4.5			1.40	0.30	1.25		
5.0			1.15		1.00		
5.5			0.95		0.85		
6.0			0.80		0.70		
7.0			0.45		0.45		
Critical boom angle	—	—	26°	54°	52°	68°	
Standard hook	for 13 ton						
Hook mass	90kg						
Parts of line	4						

# 13 TONNE

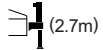
## Kato MR-130R City Class All Terrain

### RATED LIFTING CAPACITY


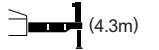
#### 24.0m Boom + 3.6m Jib

 (4.75m)								 (4.3m)								 (3.7m)														
Outriggers fully extended (360° full range)								Outriggers intermediately extended (over side)								Outriggers intermediately extended (over side)														
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°							
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)								
82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65	82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65	82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65				
80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65	80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65	80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65				
75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65	75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65	75	7.8	1.60	8.7	1.17	9.5	0.93	9.6	0.65				
70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65	70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65	70	10.1	1.25	11.1	0.98	11.6	0.85	11.8	0.65				
65	12.3	1.05	13.1	0.88	13.6	0.77	13.8	0.65	65	12.3	1.05	13.1	0.88	13.6	0.77	13.8	0.65	65	12.2	0.90	13.1	0.77	13.6	0.77	13.8	0.65				
60	14.3	0.90	15.1	0.76	15.6	0.70	15.6	0.65	60	14.3	0.87	15.1	0.76	15.6	0.70	15.6	0.65	60	14.2	0.59	15.0	0.54	15.5	0.54	15.5	0.54				
55	16.3	0.72	17.0	0.64	17.4	0.64			55	16.2	0.60	16.9	0.55	17.3	0.53			55	16.0	0.37	16.8	0.33	17.2	0.33						
50	18.1	0.57	18.7	0.51	18.9	0.53			50	18.0	0.43	18.6	0.41	18.8	0.40			50	17.8	0.20	18.5	0.18	18.7	0.18						
45	19.7	0.42	20.4	0.40	20.3	0.40			45	19.6	0.30	20.2	0.27	20.3	0.27			Critical boom angle						49°	49°	49°	59°			
40	21.1	0.30	21.6	0.29					40	21.0	0.19	21.5	0.18					Standard hook						for 1.8 ton						
35	22.3	0.22	22.7	0.20					Critical boom angle						39°	39°	44°	59°	Hook mass						25kg					
Standard hook								Standard hook								Standard hook								for 1.8 ton						
Hook mass								Hook mass								Hook mass								25kg						
Parts of line								Parts of line								Parts of line								1						

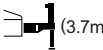
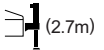
#### 24.0m Boom + 3.6m Jib

 (2.7m)													
Outriggers intermediately extended (over side)													
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°						
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)						
82	4.4	1.60	5.8	1.50	6.5	1.00	6.8	0.65					
80	5.2	1.60	6.4	1.50	7.2	1.00	7.4	0.65					
75	7.8	1.20	8.7	1.05	9.5	0.93	9.6	0.65					
70	10.0	0.72	10.9	0.65	11.5	0.62	11.7	0.56					
65	11.9	0.41	12.9	0.35	13.4	0.34	13.6	0.33					
Critical boom angle								64°	64°	64°	64°		
Standard hook								for 1.8 ton					
Hook mass								25kg					
Parts of line								1					

#### 24.0m Boom + 5.5m Jib

 (4.75m)								 (4.3m)																					
Outriggers fully extended (360° full range)								Outriggers intermediately extended (over side)																					
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°														
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)															
82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40	82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40												
80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40	80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40												
75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40	75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40												
70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40	70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40												
65	13.4	0.81	14.7	0.61	15.6	0.52	15.6	0.40	65	13.4	0.81	14.7	0.61	15.6	0.52	15.6	0.40												
60	15.6	0.69	16.8	0.55	17.5	0.48	17.4	0.40	60	15.5	0.69	16.8	0.55	17.5	0.48	17.4	0.40												
55	17.7	0.58	18.8	0.49	19.3	0.45			55	17.6	0.54	18.7	0.49	19.2	0.45														
50	19.6	0.49	20.5	0.44	20.8	0.41			50	19.5	0.38	20.4	0.36	20.7	0.35														
45	21.2	0.38	22.0	0.36	22.3	0.36			45	21.0	0.27	21.8	0.25	22.1	0.25														
40	22.9	0.26	23.4	0.26					Critical boom angle						44°	44°	44°	59°											
Standard hook								Standard hook								Standard hook								for 1.8 ton					
Hook mass								Hook mass								Hook mass								25kg					
Parts of line								Parts of line								Parts of line								1					

#### 24.0m Boom + 5.5m Jib

 (3.7m)								 (2.7m)																															
Outriggers intermediately extended (over side)								Outriggers intermediately extended (over side)																															
Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°	Boom angle (°)	Offset 5°		Offset 25°		Offset 45°		Offset 60°																								
	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)																									
82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40	82	4.8	1.00	6.9	1.00	8.2	0.65	8.6	0.40																						
80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40	80	5.6	1.00	7.6	1.00	8.9	0.65	9.2	0.40																						
75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40	75	8.4	1.00	10.1	0.85	11.2	0.63	11.5	0.40																						
70	11.1	1.00	12.4	0.72	13.4	0.58	13.6	0.40	70	10.8	0.66	12.3	0.55	13.3	0.48	13.6	0.40																						
65	13.4	0.75	14.7	0.61	15.6	0.52	15.6	0.40	65	12.9	0.36	14.4	0.30	15.3	0.26																								
60	15.4	0.52	16.7	0.45	17.5	0.42	17.4	0.40	Critical boom angle						64°	64°	64°	69°																					
55	17.4	0.31	18.6	0.28	19.1	0.28			Standard hook						for 1.8 ton																								
52	18.5	0.22	19.5	0.21	20.0	0.20			Hook mass						25kg																								
Critical boom angle								Critical boom angle								51°						51°						51°						59°					
Standard hook								Standard hook								for 1.8 ton																							
Hook mass								Hook mass								25kg																							
Parts of line								Parts of line								1																							