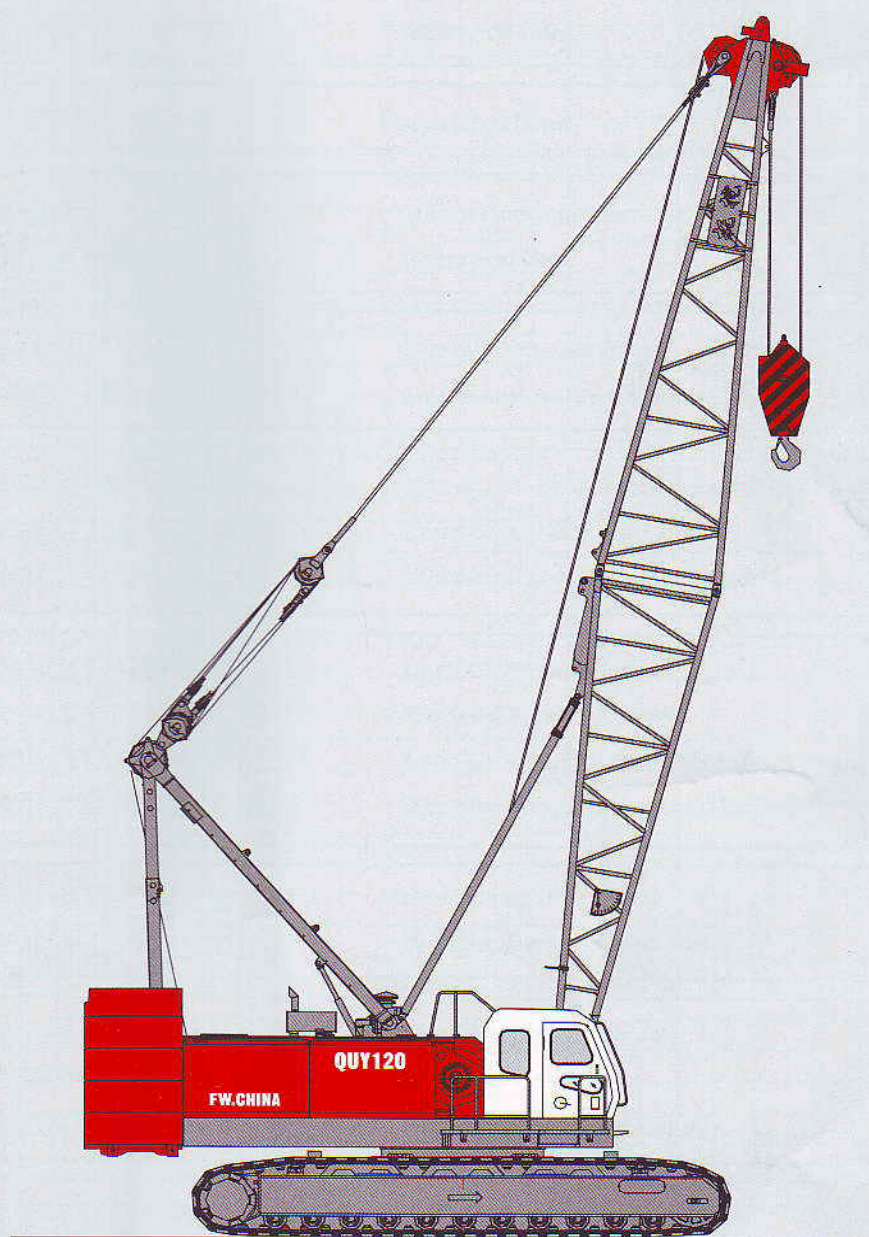




液压式履带起重机

HYDRAULIC CRAWLER CRANE

QY120



主要技术参数

Technical Data

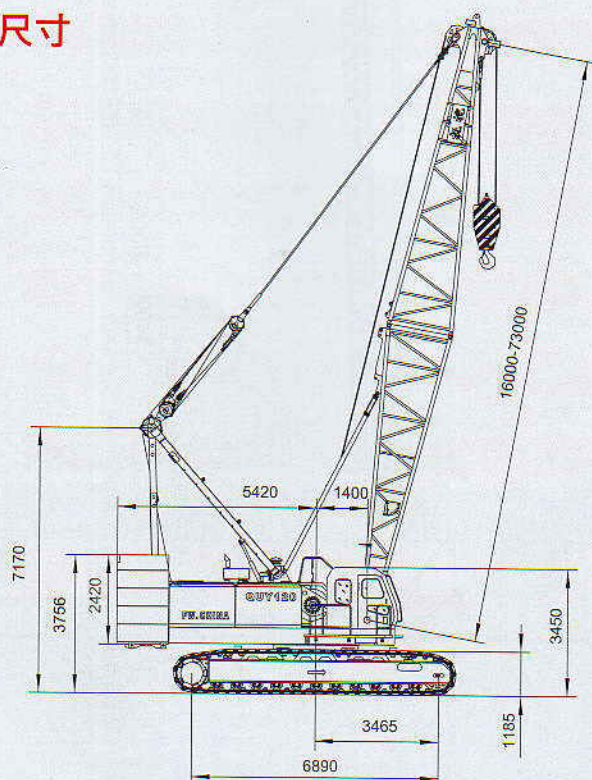
项 目		单位	数值	
主臂最大额定起重量		t	120	
主臂长度		m	16~73	
主臂变幅角度		°	30~80	
固定副臂长度		m	13~25	
固定副臂变幅角度		°	10; 30	
塔式主臂+固定副臂的最大长度		m	61+25	
塔式主臂		m	34~49	
塔臂		m	19~46	
塔式主臂+塔臂最大长度		m	49+46 46+46	
轻型组合臂		m	48.5~81.5	
吊钩配置		t	120/50/9	
工作速度	钢绳速度	提 升	m/min ※高速116/57 低速82/41	
		下 降	m/min ※高速116/57 低速82/41	
		起重臂上升	m/min ※ 54	
		起重臂下降	m/min 54	
	回转速度		r/min 0~1.96	
	行走速度		km/h 0.9~※ 1.3	
主提升倍率		12	单绳拉力	10t
爬坡能力(带基本臂,司机室置于后方)		%		30
柴油机额定输出功率/转速		kw/r/min	康明斯QSL9209/2000	
整 机 质 量		t	110	
接 地 比 压		MPa	0.08	
配 重 质 量		t	40	
主臂最大额定起重量		t	120	
最大起重力矩		t.m	600	

注:带※速度是随载荷的不同而变化

Descriptions		Unit	Data
Maximum Rated load Capacity (Main Boom)		t	120
Length of standard boom		m	16 ~ 73
Boom angle		°	30 ~ 80
Length of fixed jib		m	13 ~ 25
Angle of fixed jib		°	10 ; 30
Maximum length of main boom plus fixed jib		m	61 + 25
Length of main boom when mounted with luffing jib		m	34 ~ 49
Length of luffing jib		m	19 ~ 46
Maximum length of main boom plus luffing jib		m	49 + 46; 46 + 46
Length of light duty boom		m	48.5 ~ 81.5
Kinds of hook		t	120/50/9
Working speed	Rope speed	Hoisting	m/min ※High speed 116/57 Low speed 82/41
		Lowering	m/min ※High speed 116/57 Low speed 82/41
		Boom rise	m/min ※ 54
		Boom lower	m/min 54
	Swing speed		r/min 0 ~ 1.96
	Travel speed		km/h 0.9 ~ ※ 1.3
Parts of line		12	Single line pull 10t
Grade ability (with boom foot and the cabin in the rear)		%	30
Rated power output/rotation speed of diesel engine		kw/r/min	Cummins QSL9209/2000
Mass of whole machine		t	110
Ground pressure		MPa	0.08
Counterweight		t	40
Maximum rated load capacity (Boom)		t	120
Maximum rated load moment		t.m	600

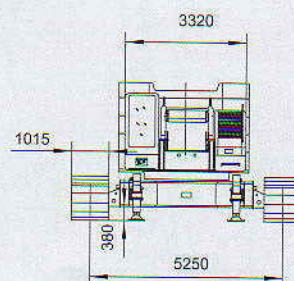
Note: Speed with※ may vary with load.

总体尺寸



Overall Dimensions

标准主臂 Standard Boom



标准主臂工况载荷表

Load Chart (Standard boom)



16m-73m

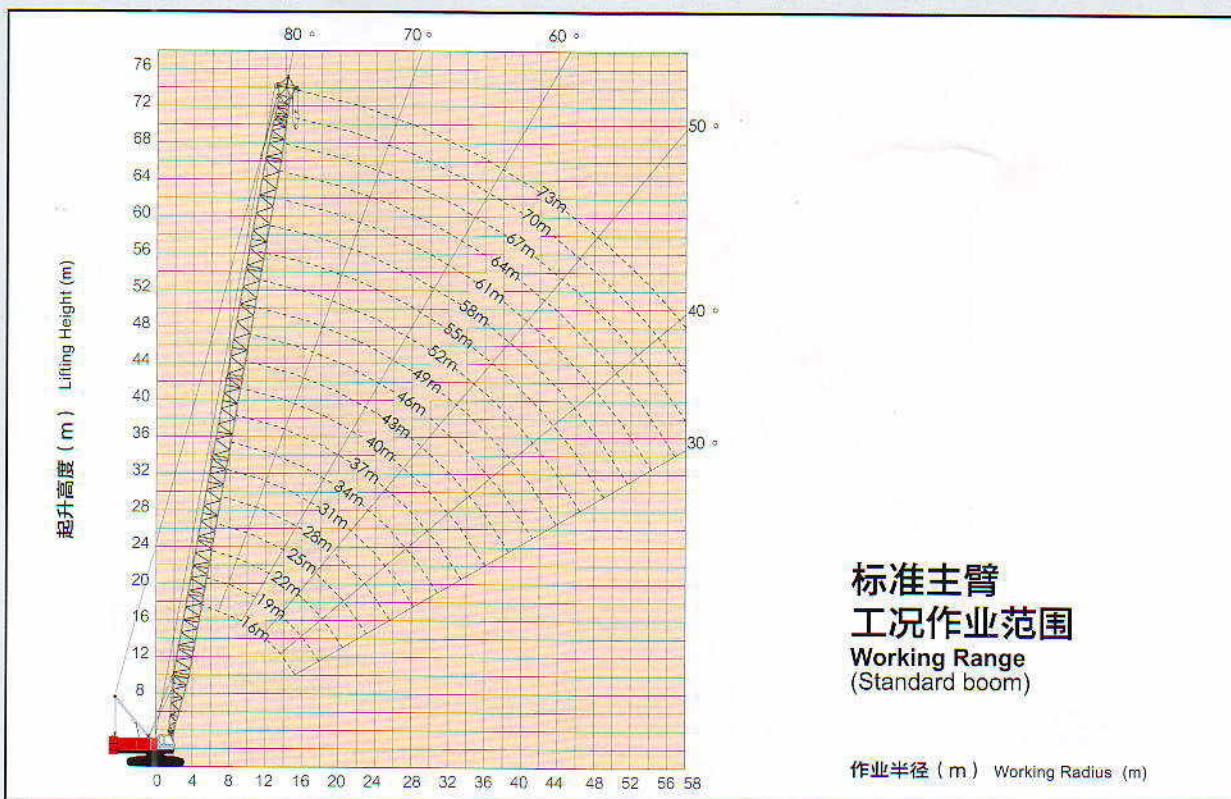


360°



40t

m	16	22.0	28.0	34.0	40.0	46.0	52.0	58.0	64.0	70.0	73.0	m
5.0	120											5.0
6.0	100	97.7	81.1									6.0
7.0	82.1	78.5	74.7	63.7								7.0
8.0	66.4	65.4	62.6	59.9	51.8							8.0
9.0	55.6	55.2	53.7	51.6	49.5	43.2						9.0
10.0	47.8	47.4	47.0	45.2	43.4	41.7	36.8	31.5				10.0
12.0	37.1	36.7	36.3	36.0	34.7	33.4	32.2	30.9	27.4			12.0
14.0	30.1	29.7	29.3	29.0	28.6	27.6	26.7	25.6	24.6	23.5	22.1	14.0
16.0	26.5	24.9	24.4	24.1	23.7	23.4	22.6	21.6	20.8	19.8	19.3	16.0
18.0		21.3	20.8	20.5	20.1	19.8	19.5	18.6	17.9	17.0	16.5	18.0
20.0		18.5	18.1	17.6	17.3	17.0	16.8	16.2	15.5	14.7	14.3	20.0
22.0			15.9	15.5	15.1	14.8	14.5	14.2	13.6	12.9	12.5	22.0
24.0			14.1	13.7	13.3	13.0	12.7	12.4	12.1	11.3	11.0	24.0
26.0			12.7	12.1	11.8	11.5	11.2	10.9	10.7	10.0	9.7	26.0
28.0				10.7	10.5	10.2	9.9	9.6	9.4	8.9	8.6	28.0
30.0				9.9	9.5	9.1	8.9	8.6	8.4	8.0	7.6	30.0
32.0				9.4	8.6	8.2	7.9	7.6	7.3	7.0	6.8	32.0
34.0					7.8	7.4	7.1	6.8	6.5	6.2	6.0	34.0
36.0					7.0	6.7	6.4	6.1	5.8	5.5	5.3	36.0
38.0						6.1	5.8	5.5	5.3	4.9	4.6	38.0
40.0						5.5	5.2	4.9	4.7	4.3	4.1	40.0
42.0						5.1	4.7	4.4	4.2	3.8	3.6	42.0
44.0							4.2	3.9	3.7	3.3	3.1	44.0
46.0							3.9	3.5	3.3	2.9	2.7	46.0
48.0								3.1	2.9	2.5	2.3	48.0
50.0								2.8	2.6	2.2	1.9	50.0
52.0								2.5	2.1	1.9	1.8	52.0
54.0									1.8	1.6	1.3	54.0
56.0									1.7	1.3	1.1	56.0
58.0									1.6	1.0	0.8	58.0
60.0										0.8	0.6	60.0

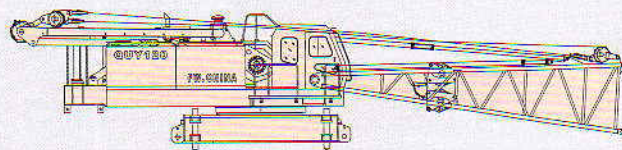




主要零部件运输尺寸

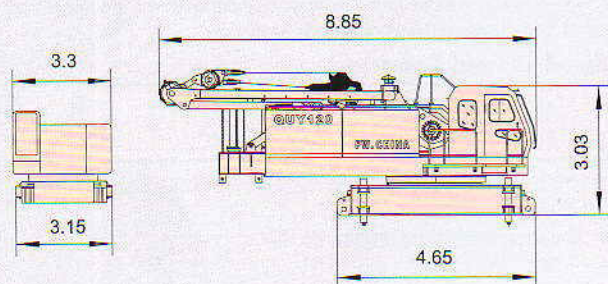
Dimensions for Transportation

尺寸单位: m Unit: m



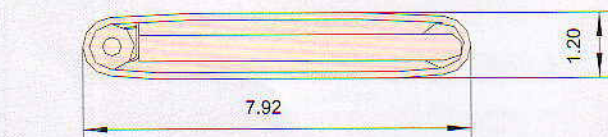
本体	x1
重量	33500kg

Carbody	x1
Weight	33500kg



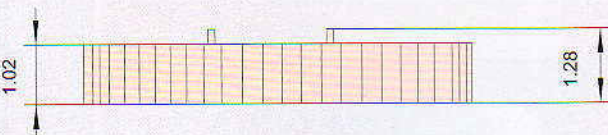
本体(拆基础臂架)	x1
长	8.85m
宽	3.15m
高	3.03m
重量	31000kg

Carbody(without boom foot)	x1
Length	8.85m
Width	3.15m
Height	3.03m
Weight	31000kg



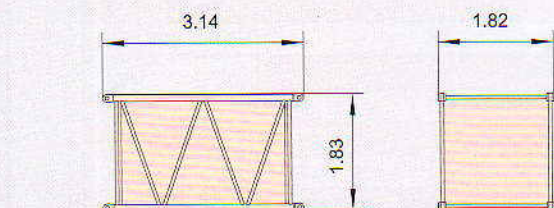
履带总成	x2
长	7.92m
宽	1.28m
高	1.20m
重量	16000kg

Crawler	x2
Length	7.92m
Width	1.28m
Height	1.20m
Weight	16000kg



基础臂节	x1
长	8.22m
宽	1.82m
高	1.22m
重量	2565kg

Boom foot	x1
Length	8.22m
Width	1.82m
Height	1.22m
Weight	2565kg



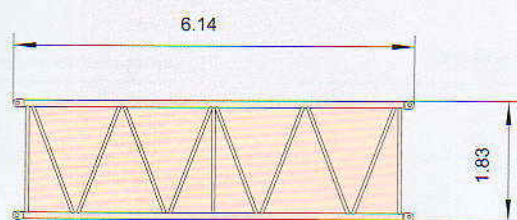
3m中间臂节	x1
长	3.14m
宽	1.82m
高	1.83m
重量	520kg

3m intermediate section	x1
Length	3.14m
Width	1.82m
Height	1.83m
Weight	520kg

主要零部件运输尺寸

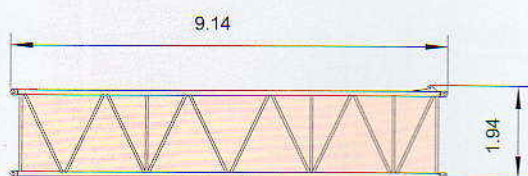
Dimensions for Transportation

尺寸单位: m Unit: m



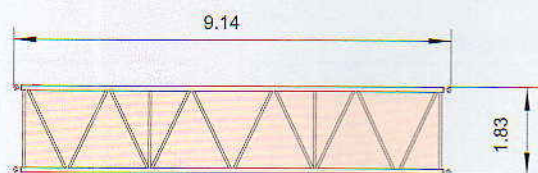
6m中间臂节	x2
长	6.14m
宽	1.82m
高	1.83m
重量	930kg

6m intermediate section	x2
Length	6.14m
Width	1.82m
Height	1.83m
Weight	930kg



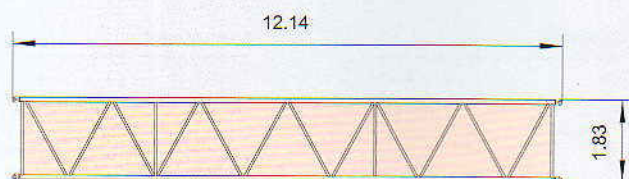
9m中间臂节(A)	x1
长	9.14m
宽	1.82m
高	1.94m
重量	1330kg

9m intermediate section(A)	x1
Length	9.14m
Width	1.82m
Height	1.94m
Weight	1330kg



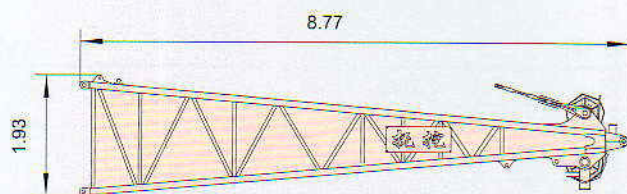
9m中间臂节(B)	x1
长	9.14m
宽	1.82m
高	1.83m
重量	920kg

9m intermediate section(B)	x1
Length	9.14m
Width	1.82m
Height	1.83m
Weight	920kg



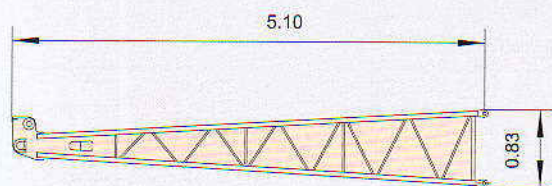
12m中间臂节	x2
长	12.14m
宽	1.82m
高	1.83m
重量	1140kg

12m intermediate section	x2
Length	12.14m
Width	1.82m
Height	1.83m
Weight	1140kg



顶部臂节	x1
长	8.77m
宽	1.82m
高	1.93m
重量	2090kg

Boom top	x1
Length	8.77m
Width	1.82m
Height	1.93m
Weight	2090kg



副臂基础臂节	x1
长	5.10m
宽	0.99m
高	0.83m
重量	220kg

Fixed jib foot	x1
Length	5.10m
Width	0.99m
Height	0.83m
Weight	220kg



主要零部件运输尺寸

Dimensions for Transportation

尺寸单位: m Unit: m

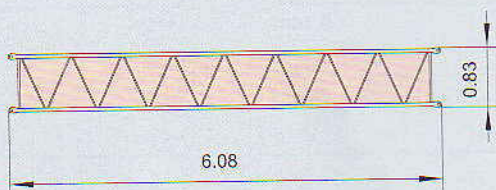


3m中间臂节 x1

长	3.08m
宽	1.01m
高	0.83m
重量	110kg

3m intermediate section x1

Length	3.08m
Width	1.01m
Height	0.83m
Weight	110kg

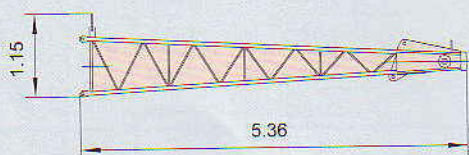


6m中间臂节 x2

长	6.08m
宽	1.01m
高	0.83m
重量	190kg

6m intermediate section x2

Length	6.08m
Width	1.01m
Height	0.83m
Weight	190kg

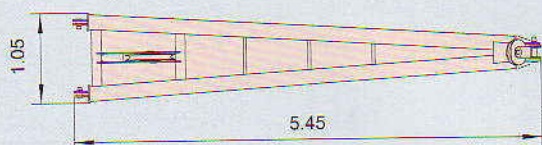


副臂顶部臂节 x1

长	5.36m
宽	1.01m
高	1.15m
重量	230kg

Fixed jib top x1

Length	5.36m
Width	1.01m
Height	1.15m
Weight	230kg

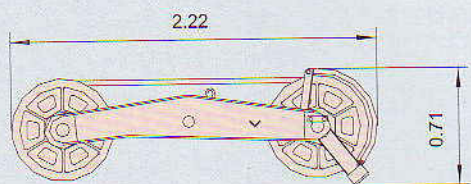


副臂撑架 x1

长	5.45m
宽	0.52m
高	1.05m
重量	440kg

Fixed jib mast x1

Length	5.45m
Width	0.52m
Height	1.05m
Weight	440kg

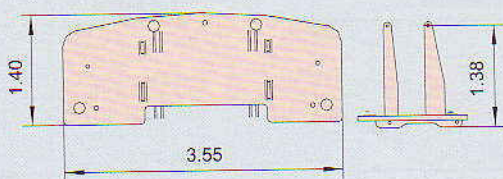


加长臂 x1

长	2.22m
宽	0.44m
高	0.71m
重量	350kg

Runner x1

Length	2.22m
Width	0.44m
Height	0.71m
Weight	350kg



配重地板 x1

长	3.55m
宽	1.40m
高	1.38m
重量	4130kg

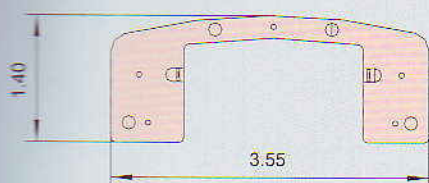
Counterweight tray x1

Length	3.55m
Width	1.40m
Height	1.38m
Weight	4130kg

主要零部件运输尺寸

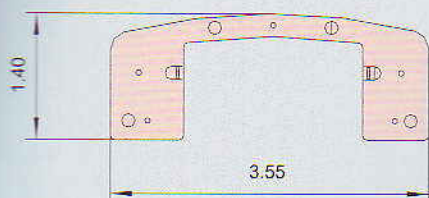
Dimensions for Transportation

尺寸单位: m Unit: m



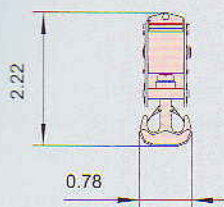
配重 I	x3
长	3.55m
宽	1.40m
高	0.45m
重量	7500kg

Counterweight I	x3
Length	3.55m
Width	1.40m
Height	0.45m
Weight	7500kg



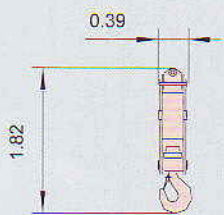
配重 II	x1
长	3.55m
宽	1.40m
高	0.37m
重量	5820kg

Counterweight II	x1
Length	3.55m
Width	1.40m
Height	0.37m
Weight	5820kg



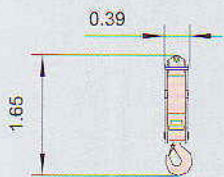
120吨吊钩	x1
长	2.22m
宽	0.78m
高	0.74m
重量	1852kg

120t Hook	x1
Length	2.22m
Width	0.78m
Height	0.74m
Weight	1852kg



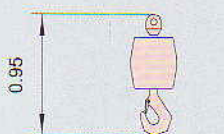
50吨吊钩	x1
长	1.82m
宽	0.72m
高	0.39m
重量	695kg

50t Hook	x1
Length	1.82m
Width	0.72m
Height	0.39m
Weight	695kg



25吨吊钩	x1
长	1.65m
宽	0.68m
高	0.39m
重量	438kg

25t Hook	x1
Length	1.65m
Width	0.68m
Height	0.39m
Weight	438kg



9吨吊钩	x1
长	0.95m
宽	0.36m
高	0.36m
重量	246kg

9t Hook	x1
Length	0.95m
Width	0.36m
Height	0.36m
Weight	246kg