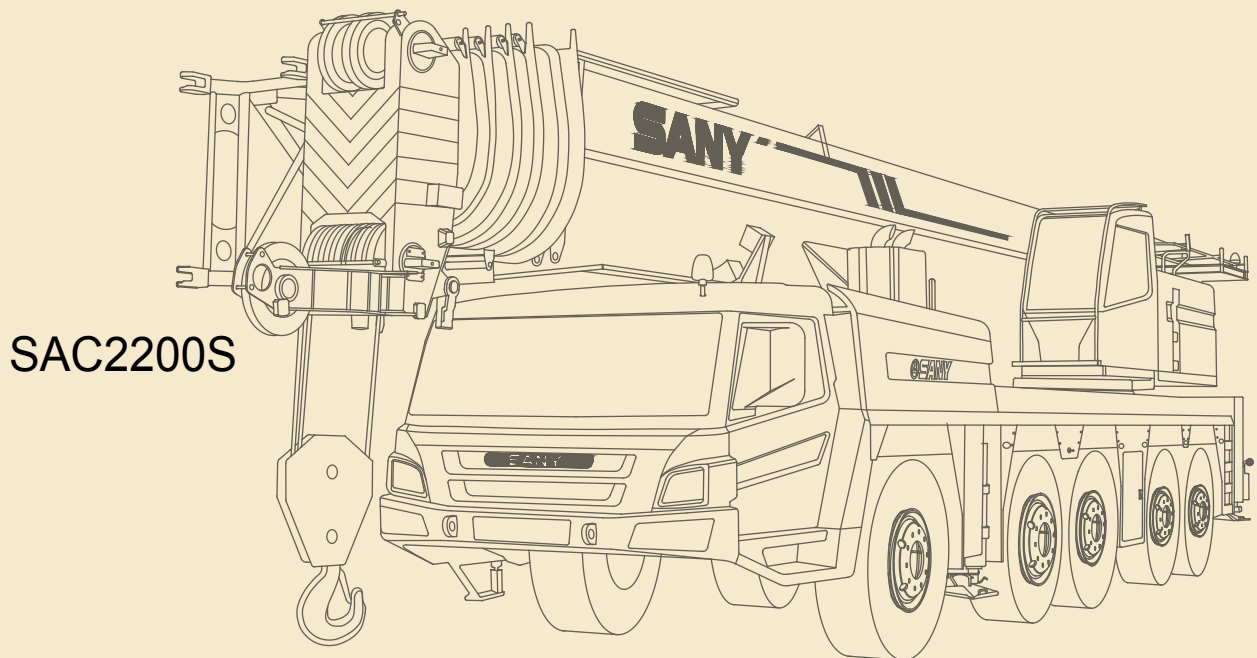




**SANY**

Quality Changes the World

# Load Capacity Tables



All Terrain Crane



# **SANY**

## **SAC2200S All Terrain Crane**

### **Load Capacity Tables**

#### **WARNING**

Read and follow the safety precautions and instructions in this manual and on the machine decals. Failure to do so can cause serious injury, death or property damage. Keep this manual with the machine for reading and future reference.

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# Table of Contents

## 1 Information for Using the Load Capacity Tables

1.1 Explanations .....	1-2
1.2 Crane Operating Mode “Crane Supported” .....	1-3
1.3 There is a Danger of Tipping or a Risk of Overloading Load-bearing Components if: .....	1-4
1.4 Telescopic Boom .....	1-5
1.5 Rope Winches .....	1-5
1.6 Hoisting Rope Reeving .....	1-6
1.7 Overload Safety Device and Limit Switch.....	1-7
1.8 Hook Blocks and Load Hooks .....	1-9
1.9 Load Capacity Reduction .....	1-6
1.10 Maximum Turning Speed of the Crane’s Superstructure with a Nominal Load .	1-11
1.11 Explanation of Symbols .....	1-13

## 2 Load Capacity Tables of Boom

2.1 Fully-extended Outrigger, 0t Counterweight .....	2-2
2.2 Fully-extended Outrigger, 8.5t Counterweight.....	2-6
2.3 Fully-extended Outrigger, 20.5t Counterweight.....	2-10
2.4 Fully-extended Outrigger, 31.5t Counterweight.....	2-14
2.5 Fully-extended Outrigger, 42.5t Counterweight.....	2-18
2.6 Fully-extended Outrigger, 53.5t Counterweight.....	2-23
2.7 Fully-extended Outrigger, 76.5t Counterweight.....	2-28
2.8 Half-extended Outrigger, 0t Counterweight.....	2-33
2.9 Half-extended Outrigger, 8.5t Counterweight.....	2-36
2.10 Half-extended Outrigger, 20.5t Counterweight.....	2-40
2.11 Half-extended Outrigger, 31.5t Counterweight.....	2-44
2.12 Half-extended Outrigger, 42.5t Counterweight.....	2-48
2.13 Half-extended Outrigger, 53.5t Counterweight.....	2-52
2.14 Half-extended Outrigger, 76.5t Counterweight.....	2-56

## 3 Load Capacity Table of Jib

3.1 Load Capacity Tables-Fully-extended Outrigger .....	3-2
12.2m jib, 8.5t Counterweight.....	3-3
12.2m jib, 20.5t Counterweight.....	3-5
12.2m jib, 31.5t Counterweight.....	3-7
12.2m jib, 42.5t Counterweight.....	3-10
12.2m jib, 53.5t Counterweight.....	3-14
12.2m jib, 76.5t Counterweight.....	3-18

22m jib, 8.5t Counterweight.....	3-22
22m jib, 20.5t Counterweight.....	3-24
22m jib, 31.5t Counterweight.....	3-26
22m jib, 42.5t Counterweight.....	3-30
22m jib, 53.5t Counterweight.....	3-34
22m jib, 76.5t Counterweight.....	3-38
29m jib, 8.5t Counterweight.....	3-42
29m jib, 20.5t Counterweight.....	3-44
29m jib, 31.5t Counterweight.....	3-46
29m jib, 42.5t Counterweight.....	3-50
29m jib, 53.5t Counterweight.....	3-54
29m jib, 76.5t Counterweight.....	3-58
36m jib, 8.5t Counterweight.....	3-62
36m jib, 20.5t Counterweight.....	3-64
36m jib, 31.5t Counterweight.....	3-67
36m jib, 42.5t Counterweight.....	3-71
36m jib, 53.5t Counterweight.....	3-75
36m jib, 76.5t Counterweight.....	3-79
19.2m Boom – extension and jib, 8.5t Counterweight.....	3-83
19.2m Boom – extension and jib, 20.5t Counterweight.....	3-85
19.2m Boom – extension and jib, 31.5t Counterweight.....	3-87
19.2m Boom – extension and jib,42.5t Counterweight.....	3-91
19.2m Boom – extension and jib, 53.5t Counterweight.....	3-95
19.2m Boom – extension and jib, 76.5t Counterweight.....	3-99
26.2m Boom – extension and jib, 8.5t Counterweight.....	3-103
26.2m Boom – extension and jib, 20.5t Counterweight.....	3-105
26.2m Boom – extension and jib, 31.5t Counterweight.....	3-107
26.2m Boom – extension and jib,42.5t Counterweight.....	3-111
26.2m Boom – extension and jib, 53.5t Counterweight.....	3-115
26.2m Boom – extension and jib, 76.5t Counterweight.....	3-119
29m Boom – extension and jib, 8.5t Counterweight.....	3-123
29m Boom – extension and jib, 20.5t Counterweight.....	3-125
29m Boom – extension and jib, 31.5t Counterweight.....	3-127
29m Boom – extension and jib,42.5t Counterweight.....	3-131
29m Boom – extension and jib, 53.5t Counterweight.....	3-135
29m Boom – extension and jib, 76.5t Counterweight.....	3-139
33.2m Boom – extension and jib, 8.5t Counterweight.....	3-143
33.2m Boom – extension and jib, 20.5t Counterweight.....	3-145
33.2m Boom – extension and jib, 31.5t Counterweight.....	3-147
33.2m Boom – extension and jib,42.5t Counterweight.....	3-151

---

33.2m Boom – extension and jib, 53.5t Counterweight .....	3-155
33.2m Boom – extension and jib, 76.5t Counterweight .....	3-159
36m Boom – extension and jib, 8.5t Counterweight .....	3-163
36m Boom – extension and jib, 20.5t Counterweight .....	3-165
36m Boom – extension and jib, 31.5t Counterweight .....	3-167
36m Boom – extension and jib, 42.5t Counterweight .....	3-171
36m Boom – extension and jib, 53.5t Counterweight .....	3-175
36m Boom – extension and jib, 76.5t Counterweight .....	3-179
43m Boom – extension and jib, 8.5t Counterweight .....	3-183
43m Boom – extension and jib, 20.5t Counterweight .....	3-185
43m Boom – extension and jib, 31.5t Counterweight .....	3-187
43m Boom – extension and jib, 42.5t Counterweight .....	3-191
43m Boom – extension and jib, 53.5t Counterweight .....	3-195
43m Boom – extension and jib, 76.5t Counterweight .....	3-199

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## Information for Using the Load Capacity Tables

1 Information for Using the Load Capacity Tables	
1.1 Explanations .....	1-2
1.2 Crane Operating Mode “Crane Supported” .....	1-3
1.3 There is a Danger of Tipping or a Risk of Overloading Load-bearing Components if: .....	1-4
1.4 Telescopic Boom .....	1-5
1.5 Rope Winches .....	1-5
1.6 Hoisting Rope Reeving.....	1-6
1.7 Overload Safety Device and Limit Switch.....	1-7
1.8 Hook Blocks and Load Hooks .....	1-9
1.9 Load Capacity Reduction .....	1-6
1.10 Maximum Turning Speed of the Crane’ s Superstructure with a Nominal Load .	1-11
1.11 Explanation of Symbols .....	1-13

## 1 INFORMATION FOR USING THE LOAD CAPACITY TABLES

### 1.1 Explanations

1. The load capacity values in the tables are stated in metric tons [t].
2. The working radius is the horizontal gravity center distance of the load from the rotational axis of the crane superstructure measured at the ground. The radius stated is valid under load conditions, i.e. including boom flexure.
3. Boom positions differing from those given in the load capacity tables are not permissible.
4. Even without a load, the boom may only be moved inside those areas for which load capacity values are stated, otherwise there is a danger of tilting.
5. The stated load capacities contain the weights of the load bearing, lifting and slinging tackle. The possible weight for the load to be lifted is therefore reduced according to the weights of the afore-mentioned tackle.

## 1.2 Crane Operating Mode “Crane Supported”

1. Before the crane is raised on its supports, the axle suspension must be blocked.
2. The sliding arms of the hydraulic support jack must be extended (to a uniform length on both sides) to the extent stated in the applirope load capacity table.
3. The sliding arms must be secured by pins.
4. It is necessary to place stable underlay material under the support pads of the support jacks over a large surface area according to ground conditions.
5. All wheels must be raised clear of the ground.
6. The crane is to be horizontally aligned via the support control unit. Additionally, the horizontal position of the crane must be checked from time to time during crane operation and adjusted as required.

### 1.3 There is a Danger of Tipping or a Risk of Overloading Loadbearing Components if:

Components if:

1 Before turning the superstructure, the crane must be supported.

2 The four hydraulic supports of the crane are not properly supported and in vertical position.

3 Cranes are operated too close to landfills, basements and slopes.

4 The loads and / or the working radius in the load capacity charts corresponding to the jib length are exceeded or not met.

5 The sliding rods are not slid out to the exact measurement specified in the load capacity charts (on both sides).

6 The sliding rods are not secured with pins.

7 The hook load begins swinging due to improper handling.

## 1.4 Telescopic Boom

1 The lifting capacity of the telescopic boom with its 6 extendable telescopic sections is limited. The loads stated in the load capacity tables must not be exceeded.

2 As a general rule, the boom should first be extended to the required length and then loaded. However, it is possible to extend and retract the boom under partial load.

3 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.

## 1.5 Rope Winches

### 1 Winch 1

Winch 1 is designed for a maximum rope tension of 105 kN. This rope tension must not be exceeded under any circumstances. Accordingly, the minimum number of hoisting rope lines (rope reeving) should be selected according to the weight of the load to be lifted (see table “Hoisting rope reeving” in chapter II).

### 2 Winch 2

Winch 2 is designed for a maximum rope tension of 105 kN. This rope tension must not be exceeded under any circumstances. Accordingly, the minimum number of hoisting rope lines (rope reeving) should be selected according to the weight of the load to be lifted (see table “Hoisting rope reeving” in chapter II).

### 3 Prevention of rope slack formation:

When retracting the telescopic boom, the winch must be operated in the direction of lifting simultaneously in order to prevent the hook block from descending to the ground and creating rope slack. The speed of the hoisting rope movement should be matched to that used for retraction!

The rope guides on the winches must be supervised by a member of the workforce when additional equipment is being mounted!

## 1.6 Hoisting Rope Reeving

1 The hoisting rope must be reeved in between boom head and hook block in accordance with the maximum rope tension of the winch and the weight of the load to be lifted.

2 If several hoisting rope lines are reeved in, the efficiency of the hook block is reduced due to pulley friction and rope flexure.

In consequence, with a rope tension of e.g. 105 kN, only 983 kN (99.2 t) can be pulled with a 10-fold line reeving, instead of 1050 kN (106 t).

3 Consult the table "Hoisting rope reeving" in chapter II of this manual for the maximum loads in dependence on the number of hoisting rope lines.

4 The number of hoisting rope lines reeved must be set on the control and display unit of the overload safety device.

5 If the block hook is operated with a higher reeve number than necessary for the respective boom length loads, then the block hook weight will not be sufficient and can slacken the cable when lowering.

## **1.7 Overload Safety Device and Limit Switch**

If the permissible load moment is exceeded, the electronic overload safety device shuts down the hoisting and boom topping movements. It is possible to decrease the load by means of movements in the opposite direction. The overload safety device must be checked for correct operation on each occasion before operating the crane.

**1** The overload safety device must be set to the current equipment mode of the crane by means of function keys or by entering the corresponding 4-digit code.

**2** The overload limit switch is a safety device and must not be used as a shutdown device for operating purposes. The crane operator must assure himself of the weight of a load before attempting to lift it. The fact that the crane is equipped with the overload safety device does not free the operator from responsibility with regard to operating safety.

**3** The control and display unit of the overload safety device indicates among other things the working radius, boom length, pulley height, load and degree of crane load utilization.

**4** The end of stroke switch fastened to the jib heads (lattice boom jib, auxiliary jib) should prevent the hook block from running into the jib head. The hoisting limit switches must be checked for correct operation on each occasion before the crane is operated.

**5** Gear cam limit switches on the cable winches ensure that 3 safety turns remain on the rope drums. When the final cable layer is reached, a visual check is also necessary to ensure that the 3 safety turns are available. If the hoisting gears have been overturned in the lifting direction, or if the hoisting cable has been changed, then the corresponding limit switch must be reset before resuming operation.

**6** The crane operator must check correct operation of the overload safety device on each occasion before operating the crane. The crane manufacturer will accept no liability for damage to the crane and consequential damage resulting from non-function or disactivation of the overload safety device.



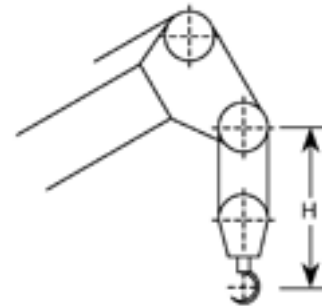
### 1.8 Hook Blocks and Load Hooks

1 Load capacity, rope pulleys and operating weight

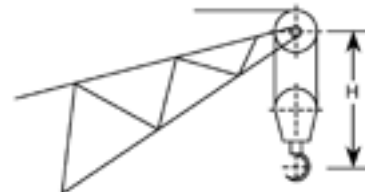
Load[t]	Number of rope pulleys	Strings	Weight[t]	Dead weight with mounted additional weight [t]
160.0	9	16	2.400	-
80.0	3	7	1.100	1.365
32.0	1	3	0.840	1.125
12.5	-	1	0.500	-

**CAUTION:** Damage to ropes due to insufficient weight of the load hook!

If the hook block features insufficient weight to attain sufficient tension in the hoist rope, winding problems could occur at the winches as a result of the formation of slack rope during lifting and lowering of the hook block. This may in turn cause damage to the ropes!



To avoid these winding problems at the winches, the weight of the hook block can be increased using additional weights or conversion kits wherever required. It should be noted here that the additional weights must be removed again if problems arise during the assembly and set-up conditions as a result of the increase in the dead weight!



## Information for Using the Load Capacity Tables

SAC2200S



2 Distance between hook and pulley set in the boom head

To determine the hook height, the hoist height must be reduced by the distance between the hook and the centre of the pulley set in the boom head.

The distances for the hook blocks being used can be obtained from the following table.

Load [t]	Distance [H]	
	at the pulley head from the telescopic boom [m]	at the pulley head of the tip [m]
160.0	3.4	-
80.0	3.4	3.4
32.0	3.1	3.1
12.5	3.0	3.0

## 1.9. Load Capacity Reduction

1 Load capacity reduction with folding jib mounted (12.2 m - 36.0 m)

1.1 The load capacity values stated for the telescopic boom in the load capacity tables apply to the boom without installation of a folding fly jib for transport or operating purposes.

1.2 When operating the crane, the folding jib is mounted at an angle from 0° to the telescopic jib, the possible load capacities of the telescopic jib are reduced according to the chart below.

The weight of the hook block of 1.1 t and 0.500 t respectively must be considered.

Position	[m]	T-13.1	T-17.2	T-21.3	T-25.5	T-29.6	T-33.7	T-37.9	T-41.9	T-46.0	T-54.3	T-58.4	T-62.5
Sideway	[t]	1.41	1.06	0.85	0.71	0.61	0.54	0.48	0.43	0.39	0.36	0.33	0.31
K-12.2	[t]	4.10	6.10	4.50	4.50	4.50	3.90	3.90	3.90	3.50	3.20	3.00	3.00
K-22.0	[t]	5.10	8.80	6.10	6.10	6.10	5.10	5.10	5.10	4.50	4.00	3.70	3.70
K-29.0	[t]	7.10	12.90	8.60	8.60	8.60	6.90	6.90	6.90	6.10	5.30	4.80	4.70
K-36.0	[t]	9.30	17.80	11.50	11.50	11.50	9.10	9.10	9.10	7.90	6.70	6.00	5.90

1.3 When operating the crane, the folding jib is mounted at an angle from 20° to the telescopic jib, the possible load capacities of the telescopic jib are reduced according to the chart below.

The weight of the hook block of 1.1 t and 0.500 t respectively must be considered.

Position	[m]	T-13.1	T-17.3	T-21.5	T-25.8	T-30.0	T-33.7	T-34.2	T-42.6	T-46.8	T-55.2	T-59.5	T-63.6
K-12.2	[t]	4.30	5.70	4.90	4.90	4.90	4.40	4.40	4.40	4.10	3.70	3.40	3.40
K-22.0	[t]	6.10	8.80	7.30	7.30	7.30	6.30	6.30	6.30	5.70	5.00	4.60	4.50
K-29.0	[t]	8.80	13.60	10.90	10.90	10.90	9.40	9.40	9.40	8.40	7.10	6.40	6.20
K-36.0	[t]	12.10	19.40	15.40	15.40	15.40	13.00	13.00	13.00	11.50	9.60	8.40	8.20

1.4 When operating the crane, the folding jib is mounted at an angle from 40° to the telescopic jib, the possible load capacities of the telescopic jib are reduced according to the chart below.

The weight of the hook block of 1.1 t and 0.500 t respectively must be considered.

Position	[m]	T-13.1	T-17.3	T-21.5	T-25.8	T-30.0	T-33.7	T-34.2	T-42.6	T-46.8	T-55.2	T-59.5	T-63.6
K-12.2	[t]	5.20	7.90	6.50	6.50	6.50	5.70	5.70	5.70	5.10	4.50	4.10	4.00
K-22.0	[t]	7.70	12.70	10.10	10.10	10.10	8.60	8.60	8.60	7.60	6.40	5.70	5.50
K-29.0	[t]	11.50	19.90	15.60	15.60	15.60	13.10	13.10	13.10	11.40	9.40	8.20	7.80
K-36.0	[t]	16.00	28.70	22.20	22.20	22.20	18.50	18.50	18.50	16.00	12.90	11.10	10.60

### 1.10. Maximum Turning Speed of the Crane's Superstructure with a Nominal Load

**DANGER:**
**Risk of accident!**

The boom system could become overloaded if the maximum permissible turning speeds are not adhered to. This could lead to serious accidents.

It is imperative that the max. permissible turning speeds for the operating modes and boom lengths are adhered to!

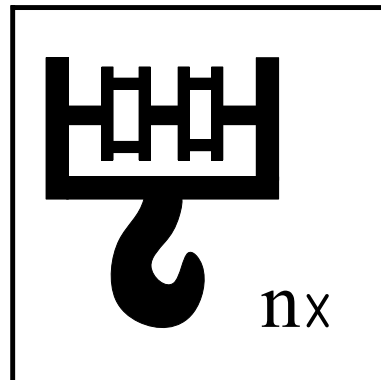
Boom [m]	Permissible slewing speed		
	Stage	[%]	[min <sup>-1</sup> ]
T-13.1	2	20	0.38
T-17.3	2	20	0.38
T-21.5	2	20	0.38
T-25.8	2	20	0.38
T-30.0	1	10	0.23
T-34.2	1	10	0.23
T-38.4	1	10	0.23
T-42.6	1	10	0.23
T-46.8	1	10	0.23
T-51.0	1	10	0.23
T-55.2	1	10	0.23
T-59.5	1	10	0.23
T-63.6	1	10	0.23
T-68.0	1	10	0.23
TK-THK	1	10	0.23
TVK-TVHK	1	10	0.23

\*85%-capacity load charts are marked in the upper right-hand area of the corresponding

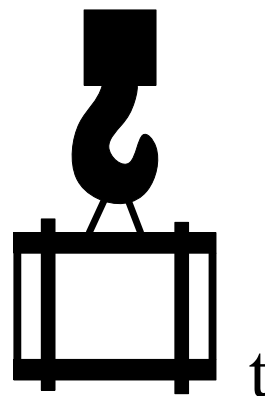
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### 1.11. Explanation of Symbols

Hoisting rope reeving



Load capacity in metric tons [t]



Operating mode

left side = Main boom mode

example:

- Main boom type ex.: T = Telescopic boom



right side = Additional jib mode

example:

- Additional jib type ex.: K = Folding fly jib
- Angle of the additional jib ex.: 0° = mounted at an angle of 0° to the telescopic boom.
- Additional jib length ex.: 12.2 m

T	K 0° 12.2m
---	---------------

V = Telescopic boom – extension

T	VK 20° 43m
---	---------------

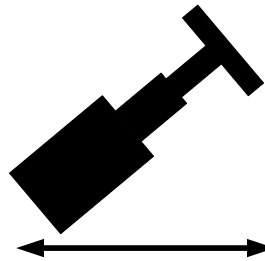
HK= Hydraulically adjustable folding jib at rigid angle to telescopic boom

T	HK xx ° 12.2m
---	------------------

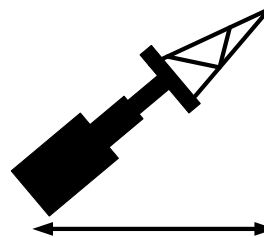
V = Telescopic boom – extension  
HK= Hydraulically adjustable folding jib at  
rigid angle to telescopic boom

T	VHK xx ° 26.2m
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Working radius of the telescopic boom (m)



Working radius of the additional jib (m)





Telescopic boom length

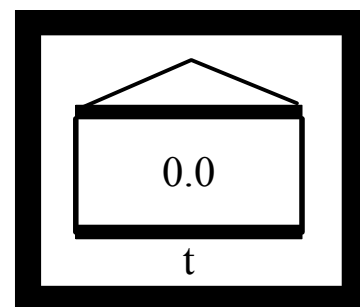
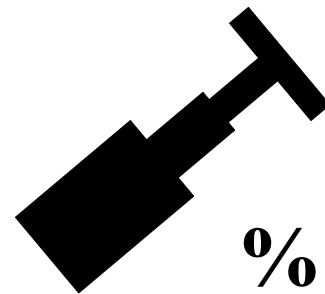


Extension conditions of the telescopic boom sections

Indication 0 = completely retracted, 100 = completely extended.

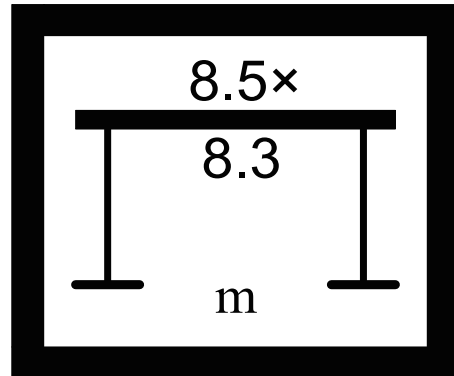
A + sign following the percentage details means that the respective telescopic section must be pinned.

A - sign following the percentage details means that the respective telescopic section can be telescoped with load up to the percental extension point value.

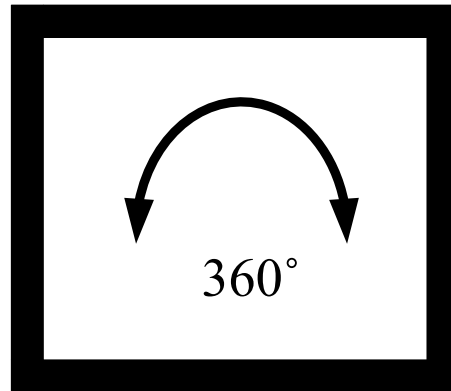


Counterweight (t)

Crane operations "Crane supported"  
8.5 m x 8.3 m = length x width



Slewing range  
360° = unlimited slewing permissible



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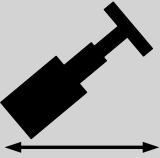


## Load Capacity Tables of Boom

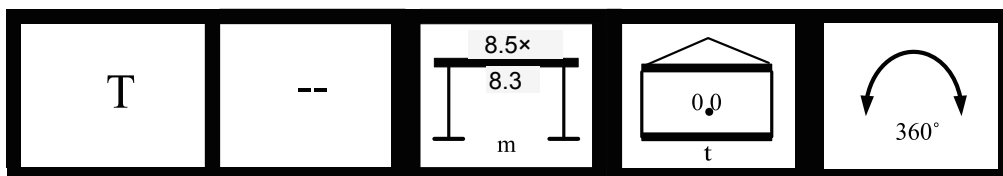
### 2 Load Capacity Tables of Boom

2.1 Fully-extended Outrigger, 0t Counterweight.....	2-2
2.2 Fully-extended Outrigger, 8.5t Counterweight.....	2-6
2.3 Fully-extended Outrigger, 20.5t Counterweight.....	2-10
2.4 Fully-extended Outrigger, 31.5t Counterweight.....	2-14
2.5 Fully-extended Outrigger, 42.5t Counterweight.....	2-18
2.6 Fully-extended Outrigger, 53.5t Counterweight.....	2-23
2.7 Fully-extended Outrigger, 76.5t Counterweight.....	2-28
2.8 Half-extended Outrigger, 0t Counterweight.....	2-33
2.9 Half-extended Outrigger, 8.5t Counterweight.....	2-36
2.10 Half-extended Outrigger, 20.5t Counterweight.....	2-40
2.11 Half-extended Outrigger, 31.5t Counterweight.....	2-44
2.12 Half-extended Outrigger, 42.5t Counterweight.....	2-48
2.13 Half-extended Outrigger, 53.5t Counterweight.....	2-52
2.14 Half-extended Outrigger, 76.5t Counterweight.....	2-56

## 2 LOAD CAPACITY TABLES OF BOOM

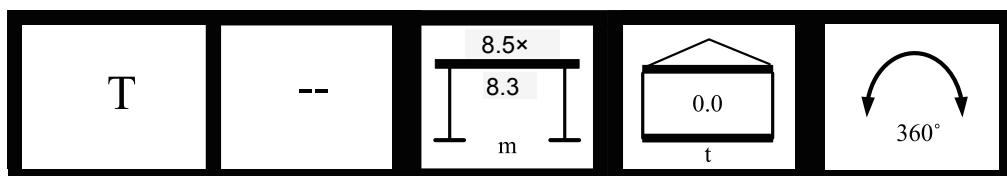
### 2.1 Fully-extended Outrigger, 0t Counterweight

	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	165.0*										
3.5	145.0	140.0	105.0	55.0							
4	125.0	125.0	100.0	52.0	115.0	90.0	60.0	45.0			
4.5	110.0	106.0	95.0	50.0	90.0	85.0	52.0	40.8	82.0	60.0	42.9
5	100.0	85.0	85.0	45.0	75.0	70.0	50.0	38.5	70.0	55.8	40.8
6	65.0	52.0	55.0	42.0	52.0	50.0	45.6	35.7	50.0	50.8	35.3
7	45.0	35.0	40.0	40.0	37.0	35.0	38.5	32.4	35.0	34.6	32.0
8	30.0	28.0	30.0	32.0	28.0	29.0	32.4	28.6	26.0	26.3	28.7
9	25.0	22.0	25.0	26.0	22.0	23.5	26.7	26.4	20.0	20.5	25.6
10	20.0	18.0	20.0	21.0	18.0	19.0	22.0	21.5	16.0	16.2	20.3
11		15.0	16.0	18.0	14.0	15.5	19.0	18.3	12.5	13.2	18.2
12		12.0	14.0	15.0	12.0	13.0	16.0	15.7	10.0	10.8	15.6
14		8.0	10.0	11.0	8.0	9.5	12.0	11.7	7.0	7.2	12.4
16					5.0	7.0	9.0	9.6	4.0	5.2	9.2
18					3.0	5.0	7.0	7.5	2.5	3.0	7.2
20											5.0
22											3.5
24											
26											
28											
n	17	14	11	6	12	9	6	5	8	6	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



\*:with additional devices and strings

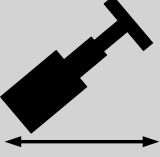


	 $m < t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
3											
3.5											
4											
4.5	40.0										
5	35.0	65.0	55.0	36.7	34.0						
6	32.1	50.0	48.2	34.5	32.8						
7	30.7	35.0	33.8	32.8	30.9	38.0	30.0	28.0	26.0	37.0	30.0
8	25.4	26.0	25.4	30.6	27.9	28.0	26.0	26.0	24.0	30.2	28.0
9	23.2	20.1	19.5	24.0	25.0	21.5	20.4	24.8	20.6	23.5	23.0
10	20.0	16.5	15.0	20.5	20.0	18.5	16.3	20.0	16.4	20.0	19.0
11	18.6	13.5	12.3	17.5	17.0	15.5	13.5	16.6	14.5	16.0	16.0
12	15.5	11.0	9.8	14.8	15.5	13.2	11.0	14.5	11.8	13.5	13.5
14	11.8	8.0	6.8	11.5	11.8	9.5	7.5	11.0	8.2	10.5	10.0
16	10.0	5.5	4.5	9.0	9.3	6.8	5.0	8.5	6.0	7.5	7.5
18	7.5	3.5	3.0	7.0	7.5	5.0	3.0	6.8	4.0	6.0	6.0
20	6.0	2.5	1.5	5.0	5.5	3.5	2.0	5.5	2.5	4.0	4.5
22	4.0			4.0	4.5	2.5		4.0		2.5	3.0
24				3.0	3.5			2.5			1.5
26					2.5						
28											
n	4	7	6	4	4	4	3	3	3	4	3
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

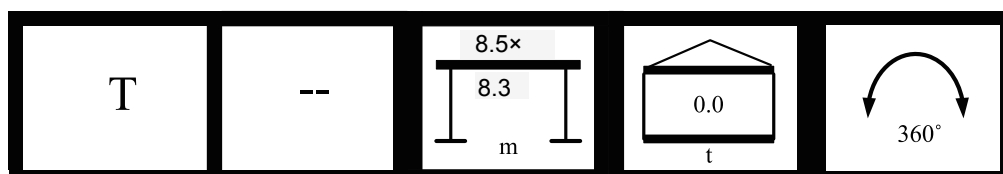


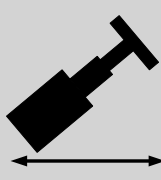


# Load Capacity Tables of Boom

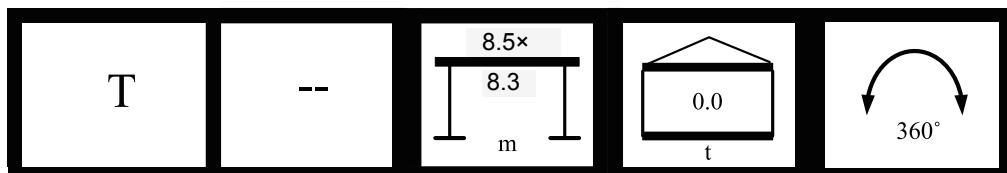
SAC2200S



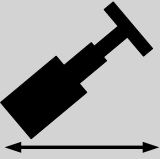

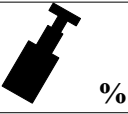
	 $m < t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
3											
3.5											
4											
4.5											
5											
6											
7	28.0	26.0									
8	26.0	24.0									
9	20.0	22.0	22.0	20.0	21.0	20.0					
10	16.0	18.0	18.0	16.0	20.0	18.5	18.0	18.0	18.0	16.5	
11	14.0	15.5	15.0	14.0	16.5	16.5	15.0	14.5	16.0	15.0	14.5
12	10.0	13.4	12.5	11.0	14.0	13.5	12.5	11.5	13.0	13.5	12.5
14	8.0	9.5	9.0	8.0	10.5	10.0	9.0	8.5	10.0	10.7	9.0
16	6.5	7.8	7.0	5.5	7.8	8.5	7.0	6.0	7.5	8.6	6.5
18	5.0	5.8	5.0	4.0	6.5	7.0	5.0	4.0	5.5	6.5	4.5
20	3.5	4.0	3.5	2.5	5.0	5.5	3.5	3.0	3.5	5.0	3.0
22	2.5	3.0	2.5		3.5	4.5	2.5	2.0	2.5	3.5	2.0
24	1.6	2.0			2.5	3.5				2.5	
26						2.5					
28											
n	3	3	2	2	2	2	2	2	2	2	2
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46

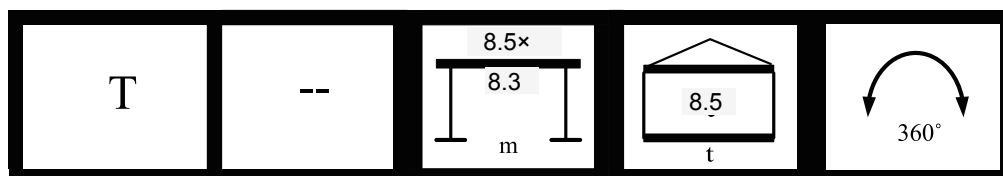


	 $m > t$											
	51.0	51.0	55.2	55.2	59.5	59.5						
3												
3.5												
4												
4.5												
5												
6												
7												
8												
9												
10												
11	14.0	15.0										
12	11.5	13.0	12.5	12.0								
14	8.5	9.0	9.0	10.3	9.0	10.0						
16	6.0	7.0	6.5	8.0	7.0	8.0						
18	4.5	5.0	5.0	6.5	5.0	6.0						
20	3.5	3.5	3.5	4.5	3.5	4.5						
22	2.5	2.5	2.5	3.5	2.5	3.5						
24				2.5		2.0						
26												
28												
n	2	2	2	2	1	1						
 %												
2	92	46	92	46	92	46						
3	92	92	92	46	92	92						
4	92	92	92	92	92	92						
5	92	92	92	92	92	92						
6	46	92	46	92	92	92						
7	0	0	46	92	46	92						



2.2 Fully-extended Outrigger, 8.5t Counterweight

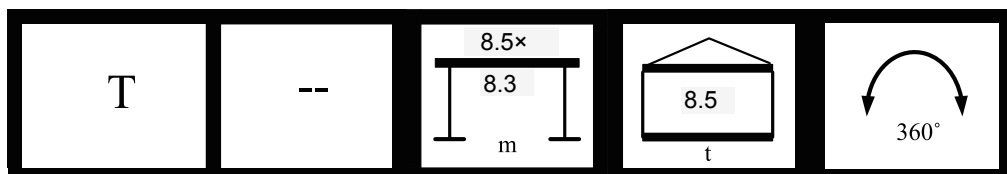
	 $m > t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	175.0*										
3.5	150.0	140.0	105.0	55.0							
4	135.0	125.0	105.0	52.0	130.0	100.0	60.0	45.0			
4.5	118.0	116.0	100.0	50.0	115.0	95.0	58.0	42.8	103.5	75.0	43.9
5	103.5	103.0	90.0	48.0	99.8	85.0	55.0	40.5	91.5	70.8	40.8
6	75.8	67.8	65.0	45.0	62.8	65.5	50.6	35.7	60.1	60.8	35.3
7	55.3	45.1	48.5	40.3	44.7	46.0	45.1	32.4	42.8	40.6	32.0
8	36.8	36.2	37.5	36.5	34.7	36.5	38.0	28.6	32.2	32.3	28.7
9	28.8	29.1	30.5	31.2	27.3	29.2	31.7	26.4	24.5	25.5	25.6
10	23.2	23.4	25.0	26.0	22.3	23.3	26.2	24.5	20.6	20.0	22.3
11		19.1	21.5	22.0	18.4	20.0	22.3	22.3	16.7	17.0	20.2
12		15.6	18.0	19.0	15.5	17.0	19.3	18.7	14.2	14.5	18.6
14		10.9	13.0	14.5	11.1	12.8	14.5	15.7	9.6	10.0	14.4
16					8.5	9.5	11.5	12.6	6.6	7.0	11.8
18					6.5	7.5	9.2	8.0	4.4	5.0	9.2
20									3.0	3.0	7.7
22											6.0
24											
26											
28											
n	18	14	11	6	13	10	6	5	10	8	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



\*:with additional devices and strings



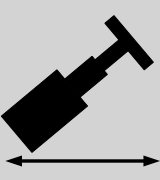


	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4											
4.5	40.0										
5	35.0	81.6	55.0	42.7	38.0						
6	32.1	60.5	50.2	38.5	34.8						
7	30.7	45.6	42.8	33.8	30.9	45.1	42.0	40.0	38.0	47.0	45.0
8	25.4	35.9	32.4	30.6	28.0	35.2	31.0	35.0	32.0	36.9	35.0
9	23.2	28.2	26.5	28.8	25.0	28.8	25.0	30.0	25.6	29.0	28.0
10	20.0	23.5	21.5	25.7	22.0	23.7	20.7	25.0	21.4	24.3	23.0
11	18.7	19.4	17.9	22.0	20.0	19.6	17.0	20.6	17.5	20.3	19.5
12	17.0	16.4	15.0	18.2	17.5	16.1	14.0	18.0	14.8	17.0	16.5
14	15.0	12.1	10.5	14.8	14.3	11.8	9.9	13.3	10.8	12.8	12.5
16	11.6	9.1	7.5	11.4	12.3	9.4	7.0	10.5	8.0	9.8	9.7
18	9.8	6.8	5.5	9.2	10.0	7.1	5.0	8.5	6.0	7.8	8.2
20	7.5	5.3	4.0	7.5	8.2	5.6	3.5	7.0	4.5	6.0	6.5
22	6.8	3.4	2.5	6.1	7.0	4.0	2.5	5.5	3.0	4.8	5.0
24				4.8	5.5	3.0		4.5		3.5	4.0
26				3.5	4.0	2.0		3.5		2.5	3.0
28											
30											
32											
n	4	8	6	5	4	5	5	4	4	5	5
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

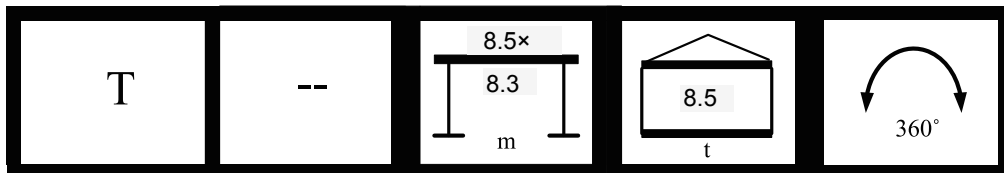


# Load Capacity Tables of Boom

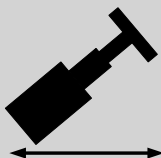

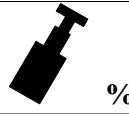
SAC2200S

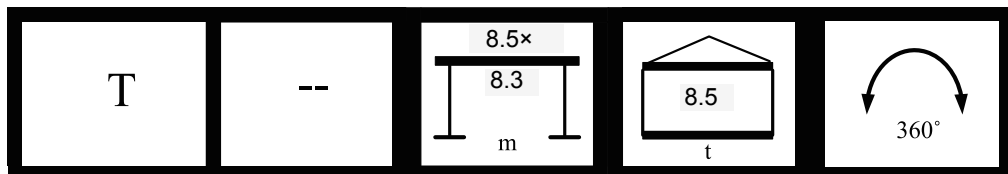


	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
6											
7	35.0	30.0									
8	30.0	28.0									
9	28.0	26.1	27.3	25.0	28.7	25.0					
10	23.0	22.5	23.0	20.0	23.3	22.6	22.4	21.0	21.0	20.5	
11	19.5	18.6	18.2	16.8	20.1	20.4	18.8	18.0	20.0	18.0	19.1
12	16.4	16.3	16.0	14.0	17.5	18.8	15.8	15.0	16.2	16.5	16.5
14	12.5	12.2	12.2	10.5	13.2	14.5	11.4	10.8	12.9	13.8	11.9
16	9.5	9.5	9.2	7.8	10.5	11.7	8.9	8.2	10.0	10.6	9.2
18	7.5	7.5	7.0	5.8	8.0	9.0	6.6	6.2	7.5	8.5	6.8
20	6.0	5.7	5.4	4.2	6.3	7.5	5.1	4.5	6.0	7.0	5.0
22	4.5	4.8	4.0	3.0	5.0	6.2	3.5	3.5	4.5	5.5	4.0
24	3.5	4.0	3.0		3.5	5.0	2.5	2.0	3.5	4.5	3.0
26		2.5				4.0			2.5	3.5	2.0
28						3.0				2.5	
30											
32											
34											
36											
38											
n	4	3	3	3	3	3	2	2	2	2	2
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46

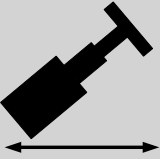

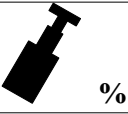


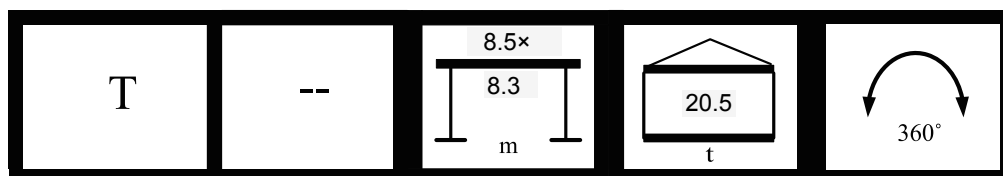
\*:with additional devices and strings

	 $m > t$										
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0			
8											
9											
10											
11	18.0	19.0									
12	15.0	16.5	16.0	17.4							
14	10.9	12.4	12.2	13.3	11.9	13.0	13.0				
16	8.2	9.2	9.2	10.5	9.2	10.5	10.1				
18	6.1	7.1	6.7	8.2	6.8	7.8	7.8	7.5			
20	4.8	5.5	5.4	6.8	5.5	6.0	6.0	5.7			
22	3.6	4.0	4.0	5.5	4.0	5.0	4.4	4.2			
24	2.5	3.0	3.0	4.5	3.0	3.5	3.5	3.5			
26		2.0	2.0	3.5	2.0	2.5	2.7	2.5			
28				2.5							
30											
32											
34											
36											
38											
40											
42											
n	2	2	2	2	2	2	2	2			
 %											
2	92	46	92	46	92	46	92	100			
3	92	92	92	46	92	92	92	100			
4	92	92	92	92	92	92	92	100			
5	92	92	92	92	92	92	92	100			
6	46	92	46	92	92	92	92	100			
	0	0	46	92	46	92	92	100			



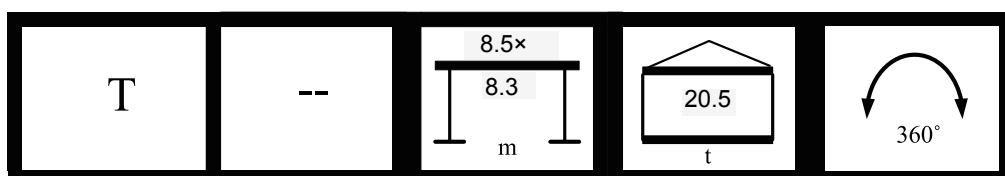
2.3 Fully-extended Outrigger, 20.5t Counterweight

	 $m > t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	180.0*										
3.5	160.0	140.0	105.0	58.0							
4	140.0	125.0	105.0	53.0	135.0	100.0	62.0	45.0			
4.5	125.0	125.0	100.0	50.0	122.0	95.0	58.0	43.8	103.5	80.0	43.9
5	110.0	110.0	90.0	48.0	109.0	90.0	55.0	40.5	103.0	75.8	40.8
6	90.5	90.2	85.0	45.0	88.8	78.0	52.6	35.7	83.1	70.8	36.3
7	76.4	70.0	70.0	40.5	69.9	65.5	48.1	32.4	66.3	60.6	32.0
8	57.6	53.6	54.5	37.2	54.0	55.0	43.0	28.6	54.6	50.3	28.7
9	46.0	43.2	44.2	33.5	43.7	42.5	38.7	26.4	46.0	43.5	25.6
10	38.5	35.7	36.5	31.5	36.6	38.6	32.2	24.5	41.6	38.2	22.3
11		30.8	32.0	30.5	30.9	33.0	28.6	22.3	34.7	34.2	20.2
12		26.5	27.5	25.0	26.8	28.0	26.0	20.7	30.1	30.3	18.6
14		20.8	21.3	22.0	20.9	22.0	24.0	18.7	21.1	22.5	16.4
16					16.5	17.8	20.0	14.6	15.8	16.0	14.2
18					13.2	14.0	16.0	11.0	12.9	12.3	12.2
20									9.6	10.0	10.0
22									7.3	8.0	8.5
24											
26											
28											
n	18	14	11	6	14	10	6	5	10	8	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



\*:with additional devices and strings

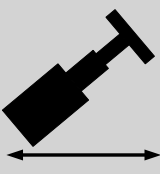


	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	40.0										
5	38.0	87.0	70.0	42.7	38.0						
6	33.1	77.5	65.2	38.5	34.8						
7	30.7	63.5	60.8	33.8	30.9	58.7	50.0	48.0	55.0	54.5	50.0
8	25.4	52.8	50.4	30.6	28.0	51.6	48.0	46.0	50.0	47.9	42.0
9	23.2	45.5	42.5	28.8	25.1	46.6	42.4	40.8	35.6	43.5	38.0
10	20.0	43.0	40.0	25.7	23.0	40.7	38.0	35.0	32.4	38.0	35.0
11	18.7	37.9	35.9	23.0	21.0	36.0	32.0	30.6	28.0	33.6	31.2
12	17.1	33.8	30.8	20.2	18.5	32.1	30.0	28.3	24.8	30.0	28.0
14	15.0	22.9	21.6	16.8	14.3	25.1	22.9	22.3	20.0	24.3	22.3
16	14.5	17.5	16.5	14.4	13.3	19.2	16.6	18.6	16.4	20.0	18.0
18	11.8	14.6	13.2	12.2	11.6	15.3	13.0	16.0	14.3	16.4	15.0
20	10.5	11.8	10.0	10.5	10.2	12.7	10.5	14.0	11.2	13.3	12.5
22	8.5	9.4	8.5	9.1	9.5	10.6	8.5	11.5	9.5	11.1	10.5
24		7.4	6.8	7.8	7.0	8.8	6.5	10.0	7.4	9.2	9.0
26		6.1	5.5	6.0	5.0	7.3	5.0	8.5	6.0	7.8	7.5
28						6.0	3.5	7.0	4.5	6.5	6.2
30						4.9	2.0	5.5	3.8	5.5	5.0
32										4.8	4.0
34										3.8	3.5
n	4	9	7	5	4	6	5	5	6	6	5
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

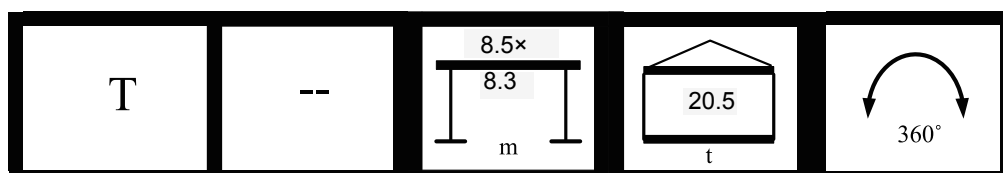


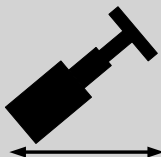

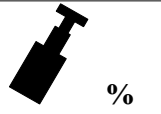
# Load Capacity Tables of Boom

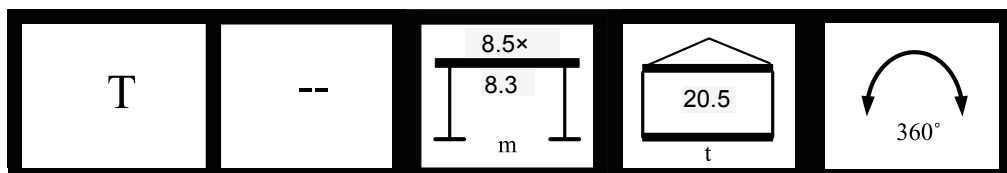
SAC2200S



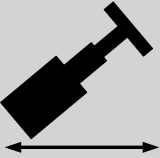


	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
7	45.0	35.5									
8	40.0	32.9									
9	35.0	30.1	39.2	35.0	32.7	26.0					
10	32.0	27.5	35.5	30.0	28.3	24.6	33.9	30.0	28.0	26.5	
11	30.0	26.6	31.4	28.3	26.1	21.4	30.0	28.0	26.0	25.0	28.5
12	25.4	23.3	28.4	25.7	24.5	20.8	26.8	24.0	22.2	20.5	26.0
14	20.5	18.2	24.4	22.5	20.2	18.5	21.7	20.5	18.9	17.8	21.4
16	17.0	16.3	19.3	17.8	16.5	15.7	18.9	18.2	16.3	15.6	18.8
18	14.5	13.5	16.1	14.5	14.6	13.6	15.4	14.2	15.0	14.7	14.9
20	13.5	12.4	12.3	10.8	13.3	12.8	12.7	11.5	13.2	13.2	12.1
22	10.5	10.8	10.6	8.5	11.5	10.4	10.3	9.9	10.6	11.9	10.1
24	9.5	8.4	8.6	7.0	9.5	10.0	8.4	8.0	9.3	9.7	8.2
26	8.0	7.4	7.1	5.5	8.5	9.0	6.8	6.5	7.5	8.5	6.8
28	6.5	6.2	5.7	4.5	7.0	8.0	5.5	5.0	6.5	7.5	5.5
30	5.5	5.5	4.6	3.5	6.2	7.0	4.8	4.0	5.5	6.2	4.5
32	4.5	4.7	3.7	3.0	5.5	6.0	4.0	3.5	4.5	5.5	3.5
34	3.0	3.5	2.9	2.0	4.5	5.0	3.0	2.8	4.0	4.8	3.0
36					3.5	4.0	2.5	2.0	3.0	4.0	2.0
38					2.5	3.5	2.0		2.0	3.5	
40										3.0	
42										2.0	
n	5	4	4	4	4	3	4	3	3	3	3
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46

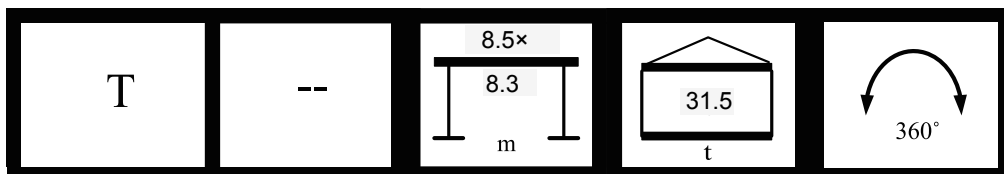


										
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
11	28.0	26.0								
12	25.0	24.0	23.0	21.4						
14	20.0	18.4	20.9	19.3	18.8	17.0	15.0			
16	18.0	17.2	18.4	17.5	17.2	16.3	15.0			
18	15.1	13.3	15.6	15.8	15.0	12.8	14.6	13.4		
20	12.0	12.4	12.3	12.6	12.4	11.0	12.4	12.0		
22	9.5	10.8	10.3	10.2	10.5	10.8	10.6	10.3		
24	7.8	9.0	8.7	9.2	8.5	9.0	9.1	8.8		
26	6.5	7.5	7.0	8.5	7.6	8.0	7.8	7.6		
28	5.5	6.3	5.8	7.5	6.3	7.0	6.7	6.5		
30	4.5	5.3	5.0	6.0	5.2	6.0	5.6	5.6		
32	3.5	4.5	4.2	5.5	4.3	5.2	4.7	4.7		
34	2.8	3.5	3.5	4.8	3.5	4.6	3.9	3.9		
36	2.0	3.0	2.8	4.0	2.8	4.0	3.2	3.2		
38		2.5	2.0	3.2	2.2	3.4	2.6	2.5		
40		2.0		2.5	1.5	2.8	2.0	2.0		
42				2.0		2.3	1.5	1.5		
44						2.0	1.1	1.1		
46						1.5				
48										
50										
n	3	3	3	2	2	2	2	2		
										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
7	0	0	46	92	46	92	92	100		



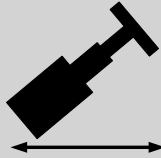


2.4 Fully-extended Outrigger, 31.5t Counterweight

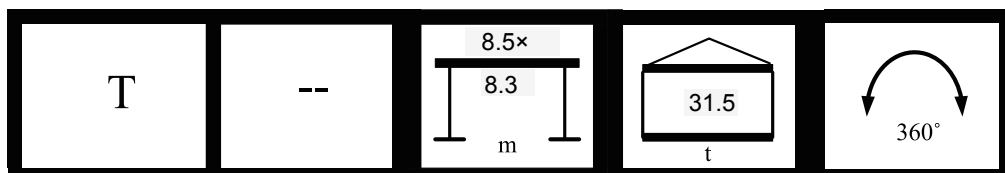
	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	180.0*										
3.5	163.0*	140.0	105.0	58.0							
4	150.0	140.0	105.0	53.0	140.0	100.0	65.0	48.0			
4.5	135.0	130.0	100.0	50.0	128.0	95.0	62.0	45.8	103.5	80.0	45.9
5	120.0	118.0	98.0	48.0	116.0	90.0	60.0	42.5	103.0	75.8	43.8
6	96.4	96.0	95.0	45.0	95.1	88.0	55.6	37.7	95.8	70.8	36.3
7	81.4	81.0	78.0	43.0	80.2	75.0	50.1	34.4	80.8	65.6	33.0
8	70.2	69.8	67.0	38.0	68.9	63.0	44.0	30.6	69.5	58.3	30.7
9	61.5	61.0	58.0	36.0	60.2	58.0	40.0	27.4	59.9	51.5	26.6
10	53.9	53.1	54.0	34.0	51.8	48.0	34.2	25.5	51.7	48.2	23.3
11		44.8	45.0	32.0	43.5	44.0	30.3	23.3	44.4	42.2	21.2
12		38.4	39.0	26.0	37.2	37.5	29.0	21.5	38.0	37.3	20.0
14		29.7	30.0	23.0	31.2	31.5	25.0	19.5	28.4	29.2	17.4
16					23.9	25.3	21.0	15.6	21.2	22.2	15.2
18					19.4	20.4	17.0	12.0	16.5	17.5	13.2
20									13.1	14.0	10.7
22									10.4	11.5	9.0
24											
26											
28											
n	18	14	11	6	14	10	7	5	10	8	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



\*:with additional devices and strings



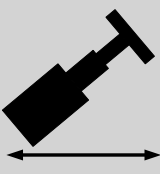


	 $m < t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	45.0										
5	43.0	87.0	75.0	45.7	40.0						
6	40.1	79.8	65.2	40.5	36.8						
7	36.7	77.5	60.8	35.8	32.9	66.2	60.0	58.0	56.0	54.5	50.0
8	32.4	68.1	55.4	32.6	29.9	61.2	58.0	55.0	52.0	54.5	50.0
9	27.2	58.2	50.5	30.8	26.1	57.0	52.4	50.8	45.6	52.0	48.0
10	25.0	50.6	45.0	26.7	24.0	49.8	48.0	45.0	40.4	46.8	45.0
11	22.7	44.5	40.9	24.0	21.0	44.0	41.0	38.6	35.0	42.0	40.0
12	20.1	39.9	36.8	20.2	18.5	41.5	38.0	32.3	30.8	39.1	35.0
14	18.5	30.8	29.6	17.8	14.3	33.0	28.9	25.3	24.0	32.1	30.9
16	16.0	23.9	22.5	15.4	13.3	24.6	22.0	22.6	20.4	25.7	25.0
18	12.8	19.3	18.0	13.2	11.6	19.9	17.5	19.4	18.3	21.1	20.0
20	11.5	15.8	14.5	11.5	10.2	16.4	14.0	17.5	14.8	17.6	17.0
22	9.5	13.1	11.8	10.1	9.5	13.7	11.5	15.0	11.9	14.9	14.5
24		10.9	9.5	9.0	7.8	11.5	9.2	12.5	9.8	12.7	12.5
26		9.2	7.8	7.0	6.0	9.9	7.8	11.0	8.4	10.3	10.5
28						8.2	6.5	9.5	6.8	9.5	9.2
30						7.0	5.2	8.2	5.5	8.3	8.0
32										7.2	7.0
34										6.3	6.0
n	5	9	8	5	4	7	6	6	6	6	5
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

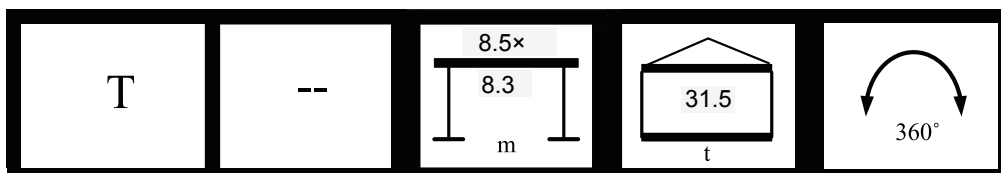


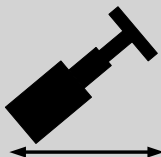


# Load Capacity Tables of Boom

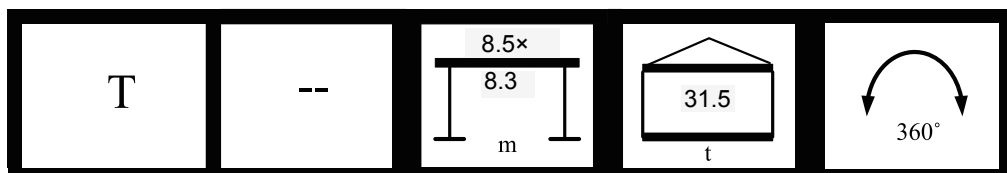
SAC2200S





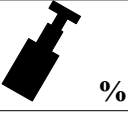
	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
7	48.0	35.5									
8	46.0	32.9									
9	42.0	30.1	43.4	40.0	35.7	26.0					
10	40.0	28.5	41.4	38.0	33.3	24.6	34.5	32.0	30.0	26.5	
11	36.0	27.6	39.4	35.3	31.1	21.4	34.1	31.0	28.0	25.0	28.5
12	32.4	25.3	36.8	33.7	30.5	20.8	32.6	30.0	25.2	23.5	28.3
14	28.5	21.2	30.2	28.5	27.2	19.5	29.1	28.5	22.9	21.8	26.8
16	23.0	18.3	24.9	22.8	22.5	17.7	24.4	23.2	20.3	19.6	23.9
18	19.0	15.5	19.9	18.5	19.6	15.6	19.1	19.2	18.3	17.7	19.3
20	16.0	14.4	16.4	14.6	16.3	13.8	15.4	15.5	16.2	15.2	15.7
22	13.5	12.8	13.6	12.0	14.5	12.4	13.1	12.9	13.6	12.9	13.0
24	12.5	11.4	11.4	10.0	12.5	10.5	10.9	10.5	11.5	11.7	10.8
26	10.5	10.2	9.5	8.6	10.5	9.0	8.8	8.8	9.8	10.5	9.2
28	8.5	9.0	8.4	6.9	9.5	8.5	7.5	7.5	8.5	9.5	8.0
30	7.5	8.0	7.0	5.8	8.2	8.0	6.2	6.2	7.2	8.5	6.9
32	6.5	7.0	6.1	4.8	7.2	7.0	5.5	5.2	6.2	7.5	5.8
34	5.8	5.5	5.2	3.5	6.3	6.0	4.5	4.3	5.5	6.5	4.8
36			4.5		5.5	5.0	3.5	3.8	4.8	5.8	4.0
38			3.8		5.0	3.5	3.0	3.0	4.2	5.0	3.5
40							2.5	2.5	3.5	4.3	3.0
42									3.0	3.5	2.5
n	5	4	4	4	4	3	4	4	3	3	3
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46

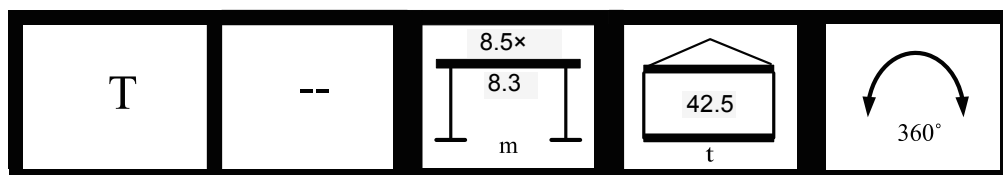


	 $m > t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
11	28.0	26.0								
12	25.0	24.0	23.0	21.4						
14	23.0	22.4	22.8	19.3	18.8	17.0	15.0			
16	21.0	20.2	21.8	17.5	18.8	16.3	15.0			
18	18.1	18.3	19.2	15.8	18.3	15.0	15.0	13.4		
20	15.5	15.4	16.3	14.6	16.2	13.8	15.0	13.1		
22	13.1	13.8	13.5	13.2	13.5	12.8	13.8	12.8		
24	11.0	11.6	11.2	12.2	11.7	11.8	12.1	11.5		
26	9.2	9.8	9.3	11.2	9.9	10.5	10.3	10.3		
28	7.2	8.3	8.1	9.4	8.3	9.1	8.8	8.7		
30	6.5	7.2	7.0	8.2	7.2	8.0	7.5	7.4		
32	5.5	6.3	6.0	7.2	6.3	7.0	6.6	6.3		
34	4.8	5.4	5.4	6.5	5.5	6.2	5.8	5.3		
36	4.0	4.6	4.5	5.6	4.8	5.5	5.0	5.0		
38	3.2	4.0	3.8	4.8	4.0	4.8	4.3	4.3		
40	2.5	3.4	3.1	4.2	3.5	4.2	3.8	3.8		
42		2.8	2.5	3.8	3.0	3.6	3.2	3.2		
44		2.0		3.2	2.5	3.2	2.8	2.8		
46				2.5		2.8	2.3	2.4		
48						2.5	2.0	2.0		
50										
n	3	3	3	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
7	0	0	46	92	46	92	92	100		

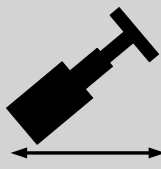

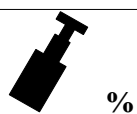


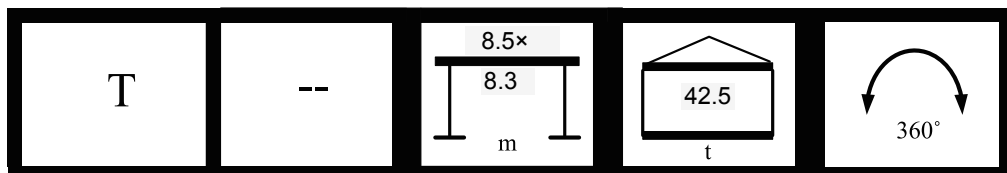
2.5 Fully-extended Outrigger, 42.5t Counterweight

	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	180.0*										
3.5	163.0*	140.0	105.0	60.0							
4	150.0	140.0	105.0	55.0	140.0	100.0	65.0	48.0			
4.5	135.0	130.0	100.0	52.0	128.0	95.0	62.0	45.8	108.0	80.0	45.9
5	120.0	118.0	98.0	50.0	116.0	90.0	60.0	42.5	105.0	75.8	43.8
6	100.0	98.0	95.0	48.0	98.0	88.0	55.6	38.7	97.0	70.8	38.3
7	85.0	83.0	80.0	45.0	82.0	78.0	50.1	35.4	81.5	65.6	34.0
8	75.0	72.0	70.0	40.0	71.0	65.0	45.0	31.6	70.0	58.3	30.7
9	65.0	63.0	60.0	36.0	62.0	60.0	40.7	28.4	61.0	51.5	27.6
10	56.0	55.0	55.0	35.0	53.0	50.0	35.2	26.5	53.0	48.2	24.3
11		46.0	48.0	32.5	45.0	45.0	31.3	24.3	46.0	44.2	22.2
12		40.0	42.0	28.0	39.0	40.0	30.0	22.7	40.0	38.3	20.6
14		32.0	35.0	24.0	32.0	33.0	26.0	20.7	35.0	32.2	18.4
16					28.0	29.0	22.0	16.6	29.0	28.0	16.2
18					24.0	25.5	18.0	13.0	23.5	22.0	14.2
20									19.0	20.5	11.7
22									17.0	17.5	10.0
24											
26											
28											
n	18	14	12	6	14	10	7	5	11	8	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



\*:with additional devices and strings

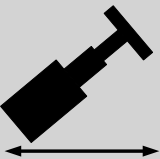


	 $m < t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	45.0										
5	43.0	90.0	75.0	45.7	40.0						
6	40.1	83.0	65.2	40.5	36.8						
7	36.7	80.0	60.8	35.8	32.9	68.0	60.0	62.0	58.0	54.5	50.0
8	33.4	69.0	55.4	32.6	29.9	63.0	58.0	60.0	55.0	54.5	50.0
9	28.2	60.0	50.5	30.8	27.1	58.0	52.4	54.8	50.6	52.0	48.0
10	26.0	52.0	45.0	27.7	25.0	50.0	48.0	50.0	48.4	48.0	45.0
11	23.7	45.5	40.9	25.0	23.0	45.0	43.0	45.6	45.0	43.0	40.0
12	21.1	41.2	36.8	21.2	20.5	43.0	40.0	42.3	40.8	39.5	35.0
14	19.0	35.5	31.6	18.8	16.3	35.0	32.9	35.3	32.0	32.5	30.9
16	17.0	28.0	25.0	16.4	14.3	27.0	25.6	28.6	26.4	26.0	25.0
18	14.8	24.5	23.0	14.2	12.6	23.5	21.5	25.4	23.3	22.5	20.0
20	12.5	20.5	21.0	12.5	11.2	20.0	18.5	19.0	20.2	19.0	18.0
22	10.8	17.5	17.0	11.1	10.5	16.5	17.0	18.0	16.9	16.0	16.5
24		14.5	14.5	9.8	8.8	15.0	14.8	17.0	15.4	14.5	15.8
26		13.0	11.5	8.0	7.0	13.5	12.5	15.0	13.4	12.0	14.7
28						12.0	10.5	13.0	11.5	11.5	12.9
30						11.0	9.5	12.0	10.0	10.5	11.5
32										10.0	10.5
34										9.0	9.5
n	5	9	8	5	4	7	6	6	6	6	5
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

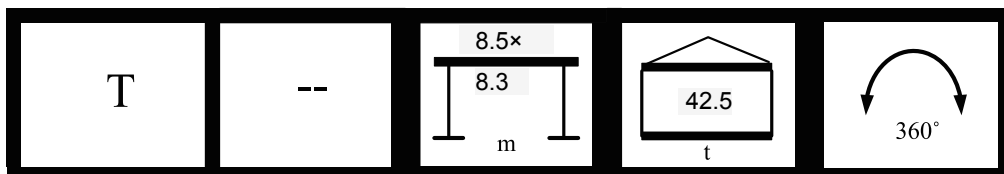


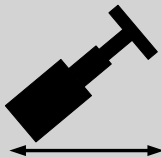


# Load Capacity Tables of Boom

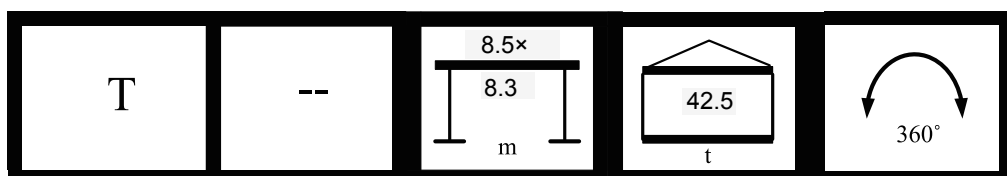
SAC2200S



	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
7	48.0	35.5									
8	46.0	32.9									
9	42.0	30.1	43.4	40.0	35.7	26.0					
10	40.0	28.5	42.4	38.0	33.3	24.6	34.5	32.0	30.0	26.5	
11	36.0	27.6	40.0	35.3	31.1	21.4	34.5	31.0	28.0	25.0	30.3
12	32.4	25.3	37.2	33.7	30.5	20.8	33.0	30.0	25.2	23.5	28.5
14	28.5	21.2	31.0	30.5	27.2	19.5	30.0	28.5	22.9	21.8	28.0
16	23.0	18.3	25.5	23.8	22.5	17.7	25.0	23.2	20.3	19.6	25.0
18	21.0	15.5	22.0	22.5	21.6	15.6	21.5	20.2	18.3	17.7	21.0
20	19.0	14.4	19.0	19.6	20.3	13.8	18.5	18.5	16.2	15.2	18.5
22	17.5	12.8	16.0	17.0	17.5	12.4	16.5	17.9	14.6	14.9	16.0
24	16.5	11.4	15.0	15.5	16.5	10.5	14.5	16.0	13.3	13.7	14.0
26	15.0	10.4	12.5	13.2	14.0	10.0	13.5	13.8	12.5	12.5	13.0
28	13.5	9.2	12.0	11.5	13.5	9.0	12.5	12.0	11.5	11.5	12.0
30	12.0	8.5	11.0	9.8	12.0	8.5	10.8	10.5	10.5	10.8	11.0
32	10.5	7.7	9.8	8.7	11.0	7.5	9.6	9.2	9.2	10.0	10.0
34	9.0	6.0	8.8	7.5	10.0	6.5	8.5	8.1	8.2	9.0	8.5
36			7.8	6.5	9.0	6.0	7.5	7.0	7.7	8.5	7.5
38			6.8	5.5	8.0	4.5	6.7	6.2	6.5	7.5	6.5
40							5.9	5.4	6.0	6.5	6.0
42							5.2	4.8	5.0	6.0	5.2
44											4.7
46											4.1
n	5	4	4	4	4	3	4	4	3	3	3
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46



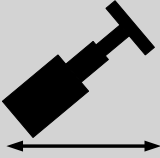


	 $m > t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
11	28.0	26.0								
12	25.0	24.0	25.0	21.4						
14	23.0	22.4	23.0	19.3	19.0	17.0	16.5			
16	21.0	20.2	22.0	17.5	19.0	16.3	16.5			
18	20.1	18.3	21.0	15.8	18.5	15.0	16.5	13.5		
20	18.0	16.4	18.0	14.6	17.5	13.8	16.0	13.5		
22	17.1	14.8	16.0	13.2	15.5	12.8	15.5	13.2		
24	15.4	13.6	14.0	12.2	14.0	11.8	13.5	13.0		
26	13.9	12.2	12.5	11.2	12.0	10.9	12.0	11.5		
28	12.1	11.3	11.5	10.4	11.0	10.1	10.5	10.0		
30	10.6	11.0	10.0	9.7	9.5	9.5	9.0	8.8		
32	9.4	10.0	9.0	8.9	8.5	8.9	8.0	7.5		
34	8.3	9.0	8.0	8.4	7.5	8.0	7.0	6.5		
36	7.2	8.1	7.0	7.5	6.5	7.0	6.0	6.0		
38	6.5	7.2	6.0	6.5	6.0	6.5	5.0	5.0		
40	5.6	6.5	5.5	6.2	5.0	5.5	4.6	4.5		
43	5.0	5.8	5.0	5.5	4.5	5.0	4.0	3.8		
44	4.2	5.2	4.5	5.0	4.0	4.5	3.5	3.3		
46	3.5	4.5	4.0	4.5	3.5	4.0	3.0	2.8		
n	3	3	3	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
7	0	0	46	92	46	92	92	100		

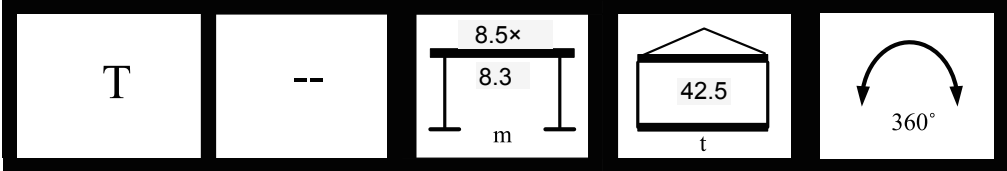


# Load Capacity Tables of Boom

SAC2200S

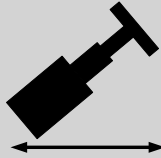




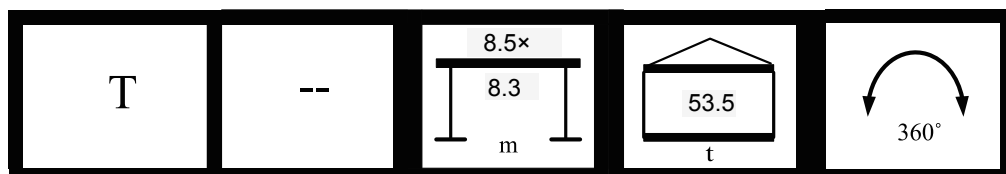
											
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0			
48			3.5	4.0	3.0	3.5	2.5	2.3			
50			3.0	3.6	2.5	3.0	2.0	2.0			
52			2.5	3.0	2.0	2.7	1.5	1.5			
54					1.8	2.2					
56					1.5	2.0					
n	3	3	3	2	2	2	2	2			
											
2	92	46	92	46	92	46	92	100			
3	92	92	92	46	92	92	92	100			
4	92	92	92	92	92	92	92	100			
5	92	92	92	92	92	92	92	100			
6	46	92	46	92	92	92	92	100			
7	0	0	46	92	46	92	92	100			





**2.6 Fully-extended Outrigger, 53.5t Counterweight**

	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	180.0*										
3.5	163.0*	140.0	110.0	60.0							
4	150.0	140.0	110.0	55.0	140.0	105.0	68.0	50.0			
4.5	140.0	135.0	105.0	52.0	135.0	100.0	65.0	47.8	108.0	85.0	48.9
5	130.0	122.0	100.0	50.0	125.0	95.0	60.0	45.5	105.0	80.8	45.8
6	110.0	107.0	95.0	48.0	105.0	90.0	58.6	40.7	103.0	70.8	40.3
7	90.0	89.0	80.0	45.0	87.0	80.0	52.1	36.4	86.0	65.6	36.0
8	80.0	80.0	70.0	40.0	80.0	70.0	48.0	33.6	78.0	58.3	32.7
9	70.0	68.0	60.0	38.0	70.0	60.0	42.7	30.4	68.0	53.5	29.6
10	60.0	60.0	55.0	35.0	62.0	55.0	38.2	28.5	62.0	51.2	26.3
11		58.0	50.0	33.0	55.0	50.0	34.3	26.3	55.0	45.2	24.2
12		55.0	45.0	28.0	48.0	45.0	33.0	23.7	48.5	40.3	21.6
14		42.0	40.0	25.0	38.0	37.0	29.0	20.7	38.5	34.2	19.4
16					30.0	31.0	25.0	17.6	31.5	30.1	17.2
18					28.0	28.5	20.0	13.5	26.0	26.0	15.2
20									22.5	23.0	12.7
22									19.0	20.0	11.0
24											
26											
28											
n	18	14	12	7	14	11	7	5	11	9	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46

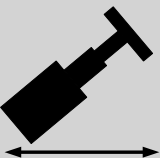




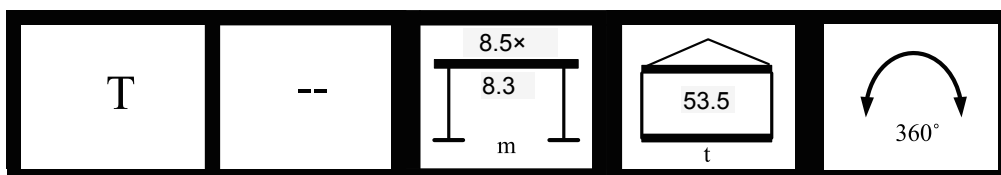
\*:with additional devices and strings

# Load Capacity Tables of Boom

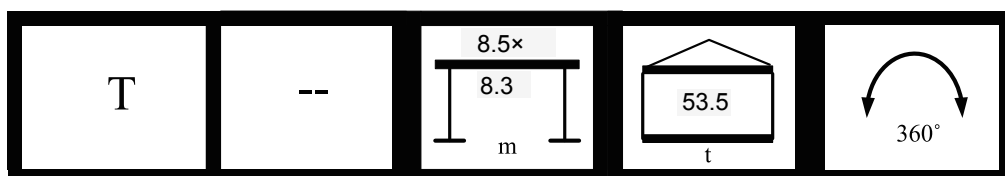
SAC2200S



	 $m > t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	49.0										
5	46.0	90.0	80.0	48.7	41.9						
6	41.1	83.0	75.2	42.5	36.8						
7	36.7	80.0	65.8	39.8	32.9	68.0	63.0	65.0	60.0	54.5	50.0
8	33.4	75.0	63.4	35.6	29.9	63.0	60.0	62.0	58.0	54.5	50.0
9	30.2	65.0	55.5	32.8	27.1	60.0	56.4	57.8	52.6	52.0	50.0
10	27.0	60.0	50.0	28.7	25.0	58.0	52.0	55.0	50.4	49.0	48.0
11	24.7	55.0	45.9	26.4	23.0	55.0	48.0	50.6	46.4	46.0	44.0
12	22.1	50.0	40.8	23.2	21.2	50.0	45.0	47.3	40.8	44.0	40.0
14	20.0	38.5	36.6	20.8	17.3	38.0	35.9	37.3	34.0	40.0	33.9
16	17.6	36.5	33.3	18.4	15.3	34.0	31.6	33.6	31.4	33.0	30.0
18	15.8	30.0	28.0	16.2	13.6	28.0	26.0	30.4	28.3	28.0	25.0
20	13.5	25.0	24.0	14.5	12.2	24.0	22.5	23.6	21.2	23.0	22.0
22	11.8	21.0	21.0	12.1	11.0	20.0	19.0	20.0	18.9	19.5	19.0
24		19.0	18.0	10.8	9.8	18.0	17.8	18.1	17.4	17.1	18.8
26		16.0	15.5	10.0	8.0	15.0	15.5	17.2	15.4	14.5	16.7
28						14.0	13.5	16.0	13.7	13.0	14.9
30						12.0	11.8	14.0	12.0	11.5	12.5
32										10.5	10.9
34										9.5	10.0
n	5	9	9	5	4	7	7	7	7	6	5
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0



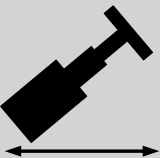


	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
7	48.0	39.5									
8	48.0	35.9									
9	46.0	33.1	43.4	42.0	37.7	27.0					
10	45.0	30.5	42.4	40.0	35.3	25.6	34.5	32.0	30.9	28.5	
11	40.0	28.6	40.0	38.3	33.1	23.4	34.5	32.0	29.0	27.0	30.3
12	35.0	26.3	38.2	35.7	31.5	21.8	33.0	31.0	27.2	25.5	28.5
14	30.0	23.2	37.0	33.5	28.2	20.0	31.0	30.5	23.9	22.8	28.0
16	26.0	20.3	32.0	27.8	24.5	18.7	29.0	27.2	21.3	20.6	25.0
18	23.0	17.0	26.2	22.5	21.6	16.6	25.5	24.2	19.3	18.7	23.0
20	20.0	15.4	22.4	20.6	20.3	14.8	22.0	21.9	17.2	17.2	22.0
22	18.0	13.8	19.4	19.0	18.0	13.4	18.5	19.9	15.6	15.9	18.0
24	17.5	12.4	16.8	17.0	17.5	11.2	16.0	17.0	14.3	14.7	16.0
26	16.0	11.4	14.7	15.6	16.0	10.2	15.0	15.5	13.0	13.5	15.0
28	15.5	10.2	13.0	13.9	14.7	9.5	13.5	14.0	12.0	12.5	13.0
30	13.0	9.5	12.0	12.0	14.0	9.0	12.5	13.0	10.9	11.5	12.0
32	11.3	8.7	11.0	11.0	13.0	8.5	11.5	11.3	10.2	10.8	11.0
34	10.5	7.0	10.0	9.5	11.8	7.1	10.5	10.1	9.2	10.1	10.0
36			9.5	8.5	10.6	6.6	9.5	9.0	8.7	9.5	9.5
38			8.5	7.5	9.5	5.0	8.5	8.0	7.5	8.0	8.5
40							7.5	7.0	6.5	7.3	7.6
42							6.5	6.2	5.5	6.5	6.8
44											6.0
46											5.2
n	5	4	4	4	4	3	4	4	3	3	3
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46

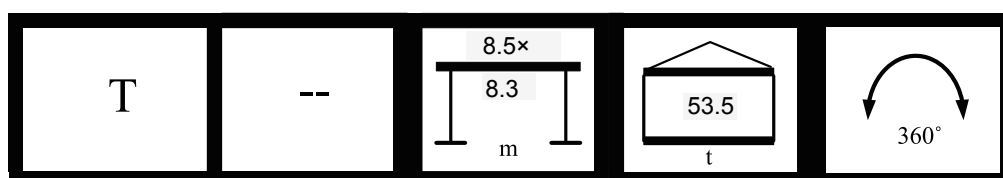





# Load Capacity Tables of Boom

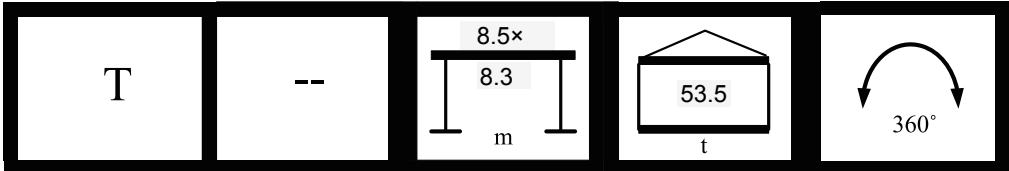
SAC2200S



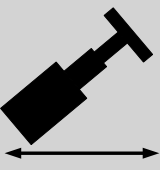

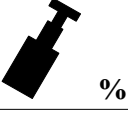
	 $m > t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
11	28.0	26.0								
12	28.0	26.0	25.0	21.4						
14	25.0	23.4	23.0	19.3	20.5	17.8	16.5			
16	23.0	21.2	22.0	17.5	20.0	16.3	16.5			
18	22.1	19.3	21.0	15.8	19.0	15.0	16.5	14.0		
20	20.0	17.4	20.0	14.6	18.0	13.8	16.0	14.0		
22	18.1	15.8	18.0	13.2	17.0	12.8	15.5	14.0		
24	16.4	14.6	16.0	12.2	16.0	11.8	15.0	13.7		
26	15.2	13.2	15.0	11.2	15.0	10.9	14.0	12.9		
28	14.0	12.3	13.0	10.4	13.0	10.1	13.0	12.1		
30	12.9	11.3	12.0	9.7	12.0	9.5	12.0	11.3		
32	11.4	10.4	11.0	8.9	11.0	8.9	10.5	10.5		
34	10.2	9.6	10.5	8.4	10.0	8.3	9.0	9.0		
36	9.1	9.0	9.0	7.9	9.0	7.7	8.0	8.0		
38	8.2	8.3	8.5	7.2	8.0	7.2	7.5	7.0		
40	7.3	7.7	7.8	6.8	7.5	6.7	7.0	6.5		
42	6.5	7.2	7.0	6.4	7.0	6.3	6.5	6.0		
43	5.8	6.0	6.0	6.0	6.5	5.9	6.0	5.5		
46	5.0	5.5	5.5	5.6	6.0	5.5	5.5	5.0		
48			5.0	5.2	5.0	5.2	5.0	4.5		
n	3	3	3	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
7	0	0	46	92	46	92	92	100		

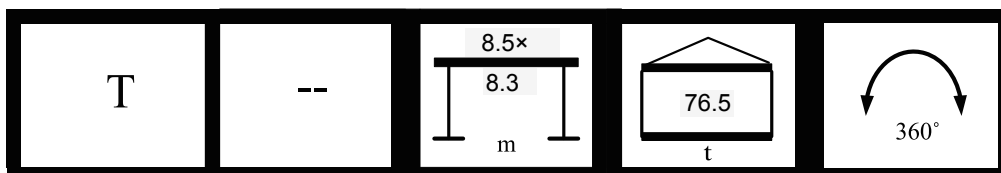


												
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0				
50			4.5	5.0	4.5	4.9	4.5	4.0				
52			4.0	4.5	4.0	4.6	4.0	3.5				
54					3.5	4.0	3.0	3.0				
56					3.0	3.5	2.5	2.5				
58							2.0	2.0				
60								1.8				
62								1.5				
64												
66												
n	3	3	3	2	2	2	2	2				
 %												
2	92	46	92	46	92	46	92	100				
3	92	92	92	46	92	92	92	100				
4	92	92	92	92	92	92	92	100				
5	92	92	92	92	92	92	92	100				
6	46	92	46	92	92	92	92	100				
7	0	0	46	92	46	92	92	100				

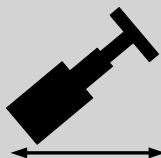

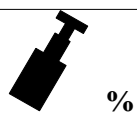


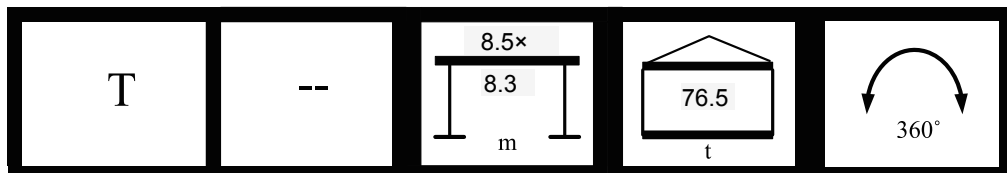
2.7 Fully-extended Outrigger, 76.5t Counterweight

	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	220.0 *										
3.5	163.0*	140.0	120.0	65.0							
4	150.0	140.0	120.0	60.0	140.0	115.0	70.0	50.0			
4.5	140.0	138.0	110.0	55.0	137.0	105.0	68.0	47.8	110.0	93.0	48.9
5	135.0	127.0	105.0	52.0	128.0	100.0	65.0	45.5	108.0	88.8	45.8
6	115.0	113.0	100.0	50.0	110.0	95.0	60.6	40.7	105.0	76.8	40.3
7	97.0	98.0	95.0	48.0	95.0	85.0	55.1	36.4	97.0	68.6	36.0
8	85.0	86.0	80.0	45.0	85.0	80.0	50.0	33.6	85.0	61.3	32.7
9	75.0	76.0	70.0	40.0	74.0	70.0	45.7	30.4	73.0	56.5	29.6
10	68.0	70.0	68.0	38.0	66.0	65.0	42.2	28.5	65.0	51.2	27.3
11		60.0	62.0	35.0	60.0	58.0	38.9	26.3	58.0	47.2	25.2
12		55.0	56.0	33.0	54.0	55.0	36.4	24.7	53.0	44.3	23.6
14		45.0	47.0	31.0	47.5	48.0	32.0	21.7	45.0	38.2	20.4
16					37.8	38.0	28.5	19.6	39.6	34.1	18.2
18					31.5	33.0	25.0	15.0	33.1	30.3	16.2
20									28.1	27.0	14.7
22									25.0	25.5	13.2
24											
26											
n	18	14	12	7	14	12	7	5	11	10	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



\*:with additional devices and strings

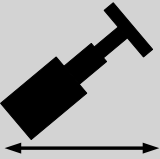

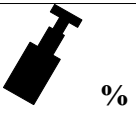
											
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	49.5										
5	46.0	90.0	85.0	50.7	41.9						
6	41.1	85.0	78.2	44.5	36.8						
7	36.7	82.0	69.8	39.8	32.9	70.0	66.0	68.0	67.5	54.5	52.0
8	33.4	80.0	63.4	35.6	29.9	65.0	62.3	64.0	61.3	54.5	52.0
9	30.2	75.0	57.5	32.8	27.1	62.0	56.4	61.8	55.6	52.0	50.0
10	27.9	68.0	53.0	29.7	25.0	60.0	52.0	57.0	50.4	50.0	48.0
11	25.7	60.0	48.9	27.4	23.0	58.0	48.0	52.6	46.4	46.0	44.0
12	24.1	55.0	45.8	25.2	21.2	56.0	45.0	49.3	42.8	44.0	40.0
14	20.8	48.5	39.6	21.8	18.3	48.0	38.9	43.3	37.0	42.0	38.9
16	18.6	40.5	35.3	19.4	16.3	41.4	34.6	38.6	32.4	39.0	34.0
18	16.8	33.9	32.0	17.2	14.6	34.8	30.3	34.4	28.3	34.1	29.8
20	15.2	28.9	29.0	15.5	13.2	31.0	27.0	30.6	25.2	32.0	26.5
22	13.8	27.0	26.2	14.1	12.0	27.0	24.0	27.7	22.9	28.0	24.0
24		25.0	23.8	12.8	10.8	24.0	21.8	25.1	20.4	24.0	21.8
26		22.0	22.5	12.0	9.0	22.0	19.7	23.2	18.4	22.0	19.7
28						19.0	17.9	21.4	16.7	19.0	17.9
30						17.0	15.0	18.0	14.0	17.0	16.5
32						14.3	13.0	15.0	12.0	15.0	14.9
34										13.0	12.0
n	5	9	9	5	4	7	7	7	7	6	6
											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

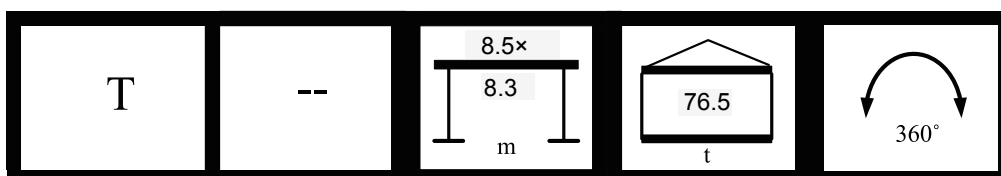


# Load Capacity Tables of Boom

SAC2200S

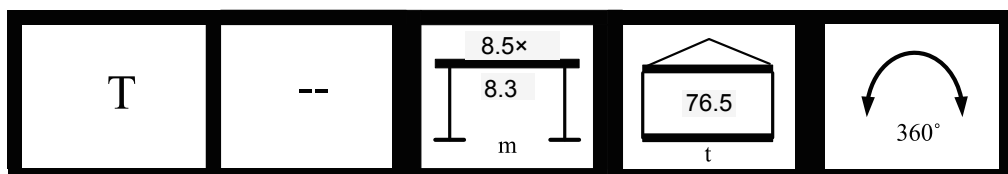


	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
7	48.0	39.5									
8	48.0	35.9									
9	46.0	33.1	43.4	42.0	37.7	29.9					
10	45.0	30.5	43.4	42.0	35.3	27.6	34.5	32.0	30.9	28.5	
11	42.0	28.6	42.0	41.3	33.1	25.4	34.5	32.0	29.0	27.0	30.3
12	39.0	26.3	39.2	38.7	31.5	23.8	34.0	31.0	27.2	25.5	30.0
14	38.4	23.2	37.0	33.5	28.2	21.0	31.0	30.5	23.9	22.8	28.0
16	33.0	20.3	34.0	29.8	25.5	18.7	29.0	27.2	21.3	20.6	25.0
18	29.4	18.0	30.0	26.5	23.6	16.6	27.0	24.2	19.3	18.7	23.0
20	25.7	16.4	26.4	23.6	21.3	14.8	25.0	21.9	17.2	17.2	22.0
22	23.3	14.8	25.0	21.4	19.7	13.4	23.0	19.9	15.6	15.9	20.0
24	20.8	13.4	23.0	19.4	18.1	12.2	21.2	18.0	14.3	14.7	18.0
26	18.8	12.4	20.0	17.6	17.0	11.2	20.0	16.3	13.0	13.5	17.0
28	17.1	11.2	18.0	15.9	15.7	10.2	18.0	15.0	12.0	12.5	16.0
30	15.7	10.5	17.0	14.7	15.0	9.5	16.0	13.9	10.9	11.5	14.8
32	14.3	9.7	15.0	13.5	14.5	8.8	14.0	12.6	10.2	10.8	13.5
34	11.0	8.0	14.0	12.5	14.0	8.1	12.0	11.8	9.2	10.1	12.0
36			13.0	11.5	13.5	7.6	11.5	10.7	8.7	9.5	11.5
38			12.0	10.5	13.0	6.0	11.0	10.0	8.0	8.9	10.8
40							10.5	9.2	7.5	8.3	10.2
42							9.5	8.0	6.5	7.5	9.2
44											8.5
46											8.0
n	5	4	4	4	4	3	4	4	3	3	3
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46








	 $m > t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
11	28.0	26.0								
12	28.0	26.0	25.0	21.4						
14	25.0	23.4	24.0	19.3	20.5	17.8	16.5			
16	23.0	21.2	23.0	17.5	20.0	17.5	16.5			
18	22.1	19.3	21.5	15.8	20.0	17.0	16.5	14.0		
20	20.0	17.4	20.0	14.6	18.0	16.8	16.0	14.0		
22	18.1	15.8	18.0	14.5	17.0	16.0	15.5	14.0		
24	16.4	14.6	17.0	14.0	16.0	15.0	15.0	13.7		
26	15.2	13.2	16.0	13.5	15.0	14.0	14.0	12.9		
28	14.0	12.3	15.0	13.0	14.0	13.0	13.0	12.1		
30	12.9	11.3	14.0	12.5	13.0	12.0	12.0	11.3		
32	11.9	10.4	13.0	12.0	12.5	11.5	11.5	10.5		
34	10.9	9.6	11.5	11.5	11.5	11.0	11.0	9.9		
36	10.1	9.0	10.8	11.0	11.2	10.5	10.5	9.3		
38	9.3	8.3	10.5	10.2	10.5	10.2	10.0	8.7		
40	8.7	7.7	10.0	10.0	9.3	9.0	9.3	8.3		
42	7.9	7.2	9.0	9.4	9.0	8.5	9.1	7.8		
44	7.4	6.6	8.5	9.0	8.0	7.9	8.5	7.3		
46	7.0	6.0	8.0	8.5	7.5	7.5	8.0	6.9		
n	3	3	3	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
7	0	0	46	92	46	92	92	100		

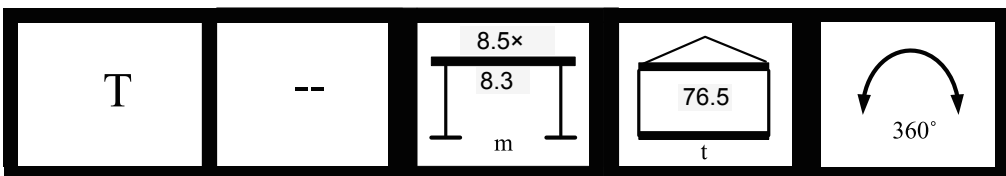


# Load Capacity Tables of Boom

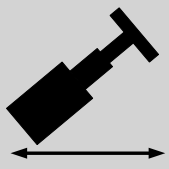

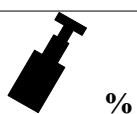
SAC2200S

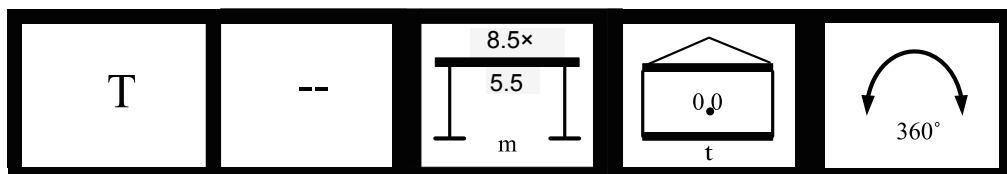


	 $m > t$								
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0	
48			7.0	7.5	7.0	7.2	7.0	6.5	
50			6.5	7.0	6.5	7.0	6.5	6.1	
52			6.0	6.5	6.0	6.5	6.0	5.6	
54					5.5	6.0	5.5	5.1	
56					5.0	5.5	5.0	4.7	
58							4.5	4.2	
60								4.0	
62								3.5	
n	3	3	3	2	2	2	2	2	
 %									
2	92	46	92	46	92	46	92	100	
3	92	92	92	46	92	92	92	100	
4	92	92	92	92	92	92	92	100	
5	92	92	92	92	92	92	92	100	
6	46	92	46	92	92	92	92	100	
7	0	0	46	92	46	92	92	100	



**2.8 Half-extended Outrigger, 0t Counterweight**

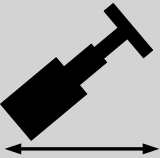


	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	100.0										
3.5	69.0	76.0	75.0	55.0							
4	53.0	56.0	56.0	52.0	37.0	39.0	43.0	45.0			
4.5	42.0	45.0	36.0	50.0	31.2	32.1	35.6	40.8	27.0	25.3	33.5
5	35.0	35.4	31.0	42.0	26.0	27.4	31.0	38.5	23.0	21.0	28.2
6	25.0	24.0	22.8	28.0	18.6	19.7	23.2	30.7	17.0	15.2	22.0
7	19.0	14.5	17.3	18.0	13.9	15.0	19.0	20.4	12.2	11.0	17.5
8	12.6	10.2	12.2	14.0	9.2	11.2	15.0	14.6	8.0	7.8	14.2
9	8.3	6.6	9.4	10.5	6.4	8.2	11.7	11.4	5.0	4.5	11.6
10	5.2	4.6	6.8	8.0	4.4	6.2	9.2	9.0	3.0		9.5
11		3.0	4.5	6.0		4.5	7.3	7.0			7.8
12		2.0	4.0	5.0			6.0	5.7			6.4
14			2.0	3.0			4.1	4.2			4.3
16								3.0			
18								2.0			
20											
22											
24											
26											
28											
n	10	8	8	6	4	4	5	5	3	3	4
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46

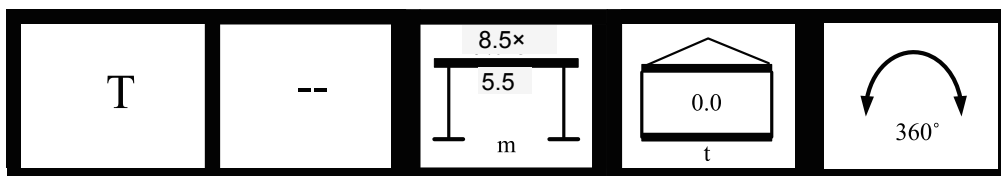


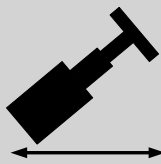


# Load Capacity Tables of Boom

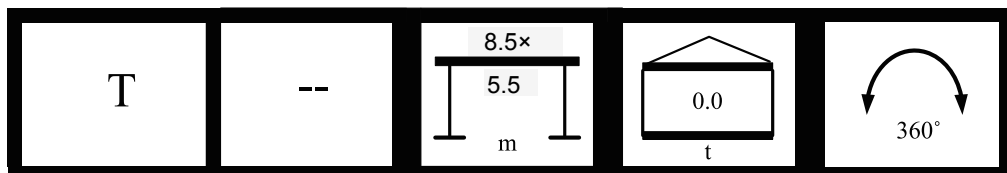
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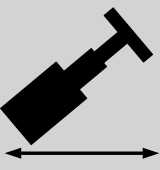


	 $m > t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
3											
3.5											
4											
4.5	34.0										
5	29.2	22.0	19.8	26.0	27.0						
6	22.8	16.9	14.5	19.6	21.5						
7	18.5	12.8	10.5	15.8	17.3	12.9	10.3	16.0	11.5	11.7	12.7
8	14.9	9.9	8.0	12.5	14.3	10.2	7.6	12.0	10.0	8.8	9.8
9	12.3	7.8	5.6	10.3	12.0	8.4	5.6	10.2	7.0	6.9	7.6
10	10.0	5.6	4.1	8.6	10.0	6.3	3.8	8.1	4.8	5.2	5.8
11	8.0	4.0		7.2	7.5	4.6	2.4	6.3	3.2	4.2	4.2
12	6.6			5.8	7.4			4.8		3.0	3.0
14	4.5				4.8			3.0			
16											
18											
20											
22											
24											
26											
28											
n	4	2	2	3	3	2	1	2	2	2	2
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

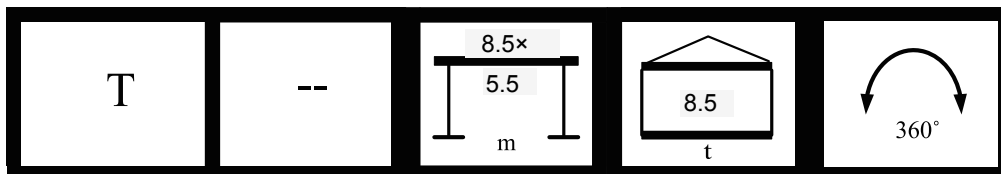


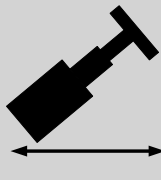


	 $m < t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	
4											
4.5											
5											
6											
7	13.8	14.5									
8	11.6	12.0									
9	9.0	9.3	6.4	6.0	8.6	9.7					
10	6.6	7.0	5.6	4.6	7.2	7.9	5.5	5.0	6.8	7.3	
11	5.2	5.3	4.5	3.0	5.9	6.5	4.1	3.5	5.1	6.0	
12	3.5	4.0	3.0		4.6	5.6	2.8	2.2	3.8	4.8	
14					2.6	3.6			2.0	2.8	
16						2.3					
18											
20											
22											
24											
26											
28											
n	2	2	1	1	1	1	1	1	1	1	
 %											
2	92	0	92	92	46	0	92	92	46	46	
3	92	0	46	92	46	0	92	92	46	46	
4	46	46	46	92	46	92	46	92	92	46	
5	46	46	46	46	46	92	46	46	92	46	
6	0	92	46	0	46	92	46	46	92	92	
7	0	92	46	0	92	46	46	0	0	92	

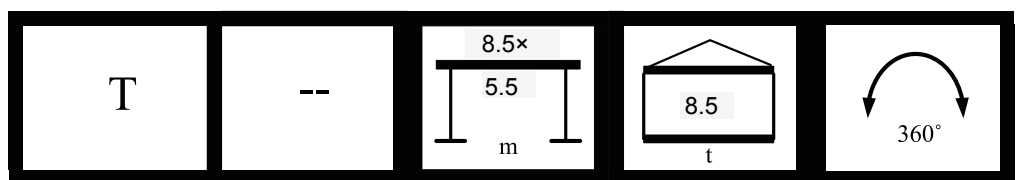


2.9 Half-extended Outrigger, 8.5t Counterweight

	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	135.9										
3.5	106.6	89.9	90.9	58.0							
4	83.6	72.1	74.2	53.0	60.6	62.7	50.0	45.0			
4.5	69.0	60.6	61.7	50.0	50.7	53.3	46.0	42.8	43.5	42.0	40.9
5	57.5	51.2	52.3	48.0	43.4	45.5	40.0	40.5	36.5	30.8	38.8
6	42.8	38.7	39.7	41.3	32.9	35.0	38.7	37.1	30.7	28.8	36.1
7	33.4	28.5	28.9	32.4	25.7	27.7	31.0	29.5	24.3	22.6	29.6
8	22.6	20.7	21.5	24.6	19.5	20.5	24.6	24.1	17.8	17.9	24.6
9	17.4	15.6	16.5	19.2	14.6	15.5	19.5	20.1	13.1	13.3	19.8
10	14.5	12.2	13.9	15.7	11.6	12.4	15.8	16.5	9.6	10.2	16.2
11		9.6	11.2	13.0	9.1	10.2	13.0	13.8	7.5	7.8	13.4
12		7.8	8.9	10.6	7.1	8.2	11.0	11.3	5.4	6.0	11.4
14		4.4	6.2	7.8	4.1	5.7	8.2	8.4	2.8	3.5	8.5
16					2.5	3.4	6.2	6.8			6.5
18						1.7	4.5	4.9			5.0
20											4.0
22											3.0
24											
26											
n	14	9	9	9	6	10	5	5	5	4	4
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



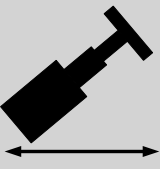


	 $m < t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
3.5											
4											
4.5	40.0										
5	38.0	40.6	38.0	42.7	38.0						
6	37.1	29.7	27.4	32.9	35.0						
7	30.4	23.8	21.7	27.1	28.8	21.1	16.0	20.5	16.0	20.0	17.5
8	25.5	19.5	17.5	22.6	24.2	20.2	15.5	19.5	15.5	18.0	16.5
9	20.0	15.2	14.2	19.1	20.8	16.0	14.4	16.4	14.4	17.0	15.7
10	16.7	12.5	10.6	15.3	17.0	13.0	10.9	13.9	11.9	14.0	14.1
11	14.0	10.0	8.4	13.1	14.2	10.3	8.8	11.8	9.5	11.3	11.5
12	11.8	7.8	6.3	11.2	12.0	8.7	6.5	10.0	7.5	9.7	9.2
14	8.6	5.0	3.8	8.3	9.2	6.0	4.0	7.3	4.5	6.8	6.4
16	6.8	3.0		6.1	7.0	4.0	2.0	5.2	2.8	4.7	4.5
18	5.2			4.8	5.5	2.5		3.7		3.2	3.2
20	4.2			3.8	4.4					2.0	2.2
22	3.4			2.8	3.5						
24					2.8						
26											
28											
n	4	4	4	4	4	2	2	2	2	2	2
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

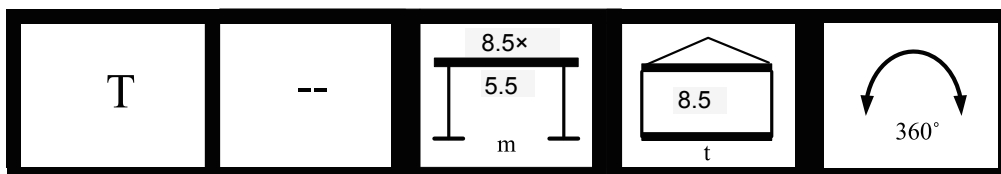


# Load Capacity Tables of Boom

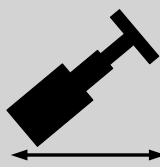


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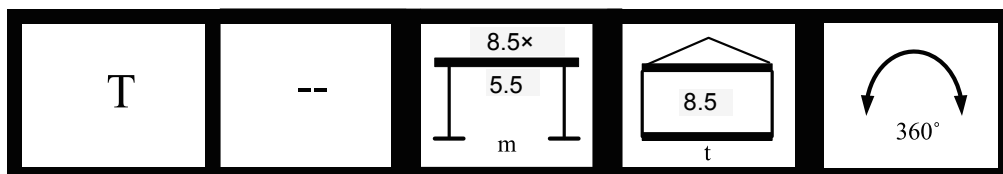


	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
6											
7	17.0	18.5									
8	15.5	16.8									
9	14.4	15.8	14.3	12.5	15.0	17.0					
10	12.9	14.1	12.4	11.0	14.3	16.1	11.7	11.3	13.2	13.9	
11	10.8	11.2	10.5	9.1	11.3	13.1	9.8	9.4	11.3	11.1	10.1
12	9.0	9.2	8.5	7.0	9.5	10.8	8.3	7.5	8.8	9.5	8.2
14	6.5	6.3	5.8	4.2	7.0	7.7	5.5	4.8	6.2	7.0	5.2
16	4.4	4.5	4.0	2.5	5.0	6.0	3.5	3.0	4.3	5.2	3.4
18	3.0	3.2	2.5		3.5	4.5			2.8	4.0	2.2
20		2.2			2.5	3.3				2.8	
22						2.5					
24											
26											
28											
30											
32											
34											
36											
n	2	2	2	2	2	2	2	2	2	2	1
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46

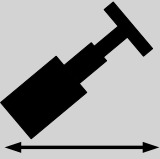




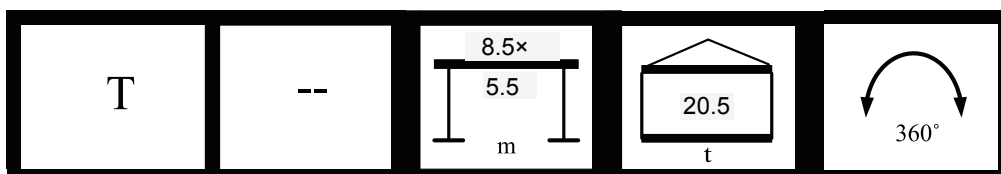


					$m > t$							
	51.0	51.0	55.2	55.2								
8												
9												
10												
11	9.5	10.7										
12	7.8	8.7	8.3	9.6								
14	4.9	5.8	5.5	7.3								
16	3.1	4.0	3.5	5.0								
18	1.8	2.5	2.2	3.7								
20				2.5								
22												
24												
26												
28												
30												
32												
34												
36												
38												
40												
n	1	1	1	1								
 %												
2	92	46	92	46								
3	92	92	92	46								
4	92	92	92	92								
5	92	92	92	92								
6	46	92	46	92								
7	0	0	46	92								

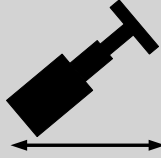




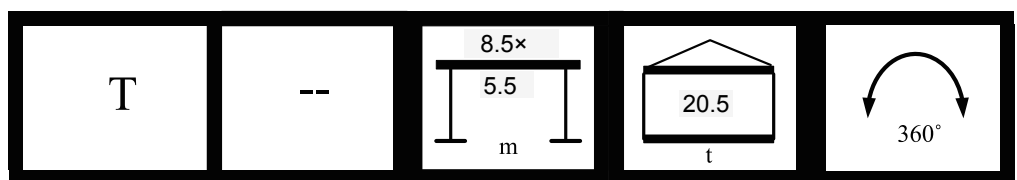
2.10 Half-extended Outrigger, 20.5t Counterweight

	 $m > t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	180.0*										
3.5	160.0	120.0	105.0	58.0							
4	140.0	115.0	105.0	53.0	115.0	100.0	62.0	45.0			
4.5	105.0	90.0	90.0	50.0	85.0	90.0	58.0	43.8	85.5	80.0	43.9
5	80.0	70.0	70.0	48.0	74.0	72.0	55.0	40.5	60.0	62.8	40.8
6	55.5	50.2	45.0	45.0	45.8	50.0	43.6	37.7	40.1	42.8	36.3
7	44.9	40.2	41.3	43.4	36.1	38.1	39.7	34.4	34.0	31.9	34.2
8	36.6	32.9	34.0	35.0	29.3	31.2	32.9	30.6	28.0	26.2	32.9
9	29.3	27.4	28.4	30.4	24.3	26.2	27.9	25.5	23.5	21.7	28.2
10	24.0	22.2	24.1	25.9	20.5	22.4	23.9	23.3	19.9	18.2	24.5
11		18.5	20.5	21.9	17.3	19.1	20.7	21.5	16.9	15.4	21.4
12		15.6	17.5	18.8	14.8	16.6	18.1	19.4	13.5	13.0	18.9
14		11.1	13.0	14.2	11.0	12.0	13.9	14.9	9.5	9.3	15.0
16					8.0	9.0	10.8	11.7	6.5	6.6	12.1
18					5.6	7.1	8.3	9.4	4.5	4.5	9.7
20									3.0	2.8	7.7
22									1.8		6.3
24											
26											
n	18	14	11	6	12	10	6	5	9	8	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



\*:with additional devices and strings

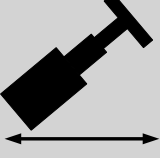

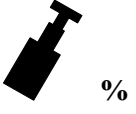
	 $m < t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	40.0										
5	38.0	67.0	65.0	42.7	38.0						
6	37.1	40.5	40.2	38.5	35.0						
7	35.2	30.5	30.8	33.8	30.9	32.7	30.0	33.5	31.0	32.5	32.0
8	32.4	27.8	22.4	28.6	28.9	24.6	23.0	26.0	24.0	26.5	27.0
9	27.2	25.5	21.3	26.2	26.1	23.8	21.2	25.5	23.2	22.8	21.0
10	25.0	22.0	18.0	22.8	24.0	20.7	18.1	22.3	20.1	20.7	20.1
11	22.1	19.2	15.3	19.9	21.0	18.0	15.5	19.6	17.5	18.0	17.5
12	19.8	15.9	13.0	17.6	16.5	15.8	13.4	17.3	15.3	15.8	15.3
14	14.0	11.5	9.4	13.9	14.3	12.3	9.9	13.9	11.2	12.3	11.8
16	12.6	8.6	6.8	11.1	12.5	9.2	7.4	10.2	8.2	9.7	9.2
18	9.2	6.5	4.8	9.0	10.0	7.2	5.4	8.5	6.2	7.7	7.2
20	8.5	5.0	3.1	7.3	8.6	5.5	3.9	7.0	4.5	6.1	5.5
22	6.0	3.8		5.9	7.0	4.2		5.7	3.3	4.8	4.3
24		2.8		4.6	5.7	3.3		4.8	2.2	3.7	3.2
26		2.0		3.6	4.7	2.5		3.8		2.8	2.4
28								3.2		2.0	
30								2.5			
32											
n	4	7	7	5	4	4	3	4	3	3	3
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

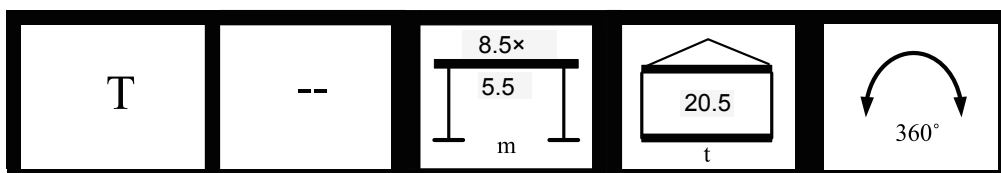


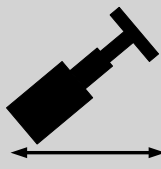


# Load Capacity Tables of Boom

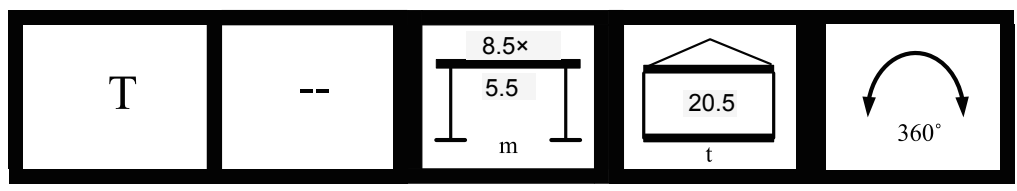
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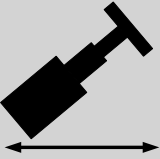


	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
6											
7	35.0	33.5									
8	28.0	26.9									
9	22.5	25.1	21.2	20.0	22.7	23.0					
10	20.1	23.3	18.4	19.1	20.3	21.0	17.5	16.3	18.8	19.0	
11	17.5	20.2	15.9	16.6	17.8	18.5	15.2	16.8	17.7	18.4	14.5
12	15.3	17.3	13.9	14.5	15.7	16.4	13.2	14.7	15.6	16.4	13.3
14	11.8	12.8	10.6	10.5	12.3	13.1	10.0	11.5	12.4	13.2	10.4
16	9.2	10.1	8.2	8.0	9.8	10.6	7.7	8.5	10.0	10.8	8.1
18	7.2	8.0	6.2	5.8	7.8	8.6	5.9	6.4	7.8	8.5	6.2
20	5.5	6.2	4.6	4.2	6.3	6.9	4.3	4.8	6.2	7.0	4.7
22	4.3	5.1	3.3	3.0	5.0	5.6	3.0	3.6	4.9	5.6	3.5
24	3.2	3.9	2.5	2.0	4.0	4.6		2.6	3.8	4.7	2.6
26	2.5	3.0			3.0	3.7		1.7	3.0	3.8	1.7
28		2.3			2.3	2.9			2.2	3.0	
30						2.2					
32											
34											
36											
38											
n	4	4	2	2	2	2	2	2	2	2	2
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
	0	92	46	0	92	46	46	0	0	92	46

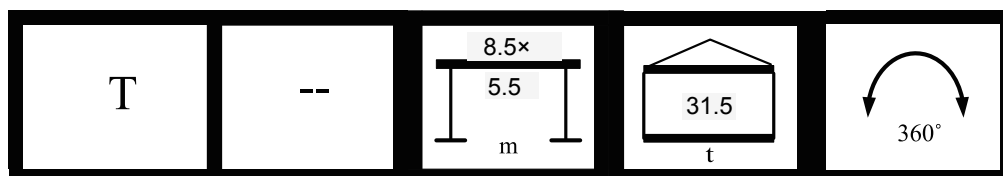


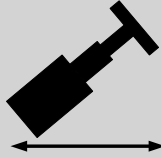


	 $m < t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
8										
9										
10										
11	16.0	15.5								
12	14.0	14.9	12.9	13.4						
14	11.1	11.9	10.0	10.5	8.5	9.5	8.5			
16	8.8	9.6	7.8	8.3	6.2	7.2	6.2			
18	6.6	7.7	6.1	6.5	4.6	5.5	4.6	5.0		
20	5.2	5.8	4.6	5.1	3.4	4.2	3.4	3.5		
22	3.8	4.5	3.4	3.9	2.3	3.1	2.6	2.5		
24	2.8	3.5	2.4	2.9	1.5	2.3	1.8	1.8		
26	2.0	2.8		1.8		1.6				
28		2.0								
30										
32										
34										
36										
38										
40										
42										
n	2	2	2	2	1	1	1	1		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
	0	0	46	92	46	92	92	100		

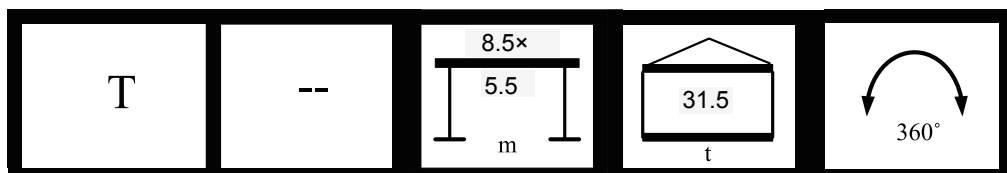


2.11 Half-extended Outrigger, 31.5t Counterweight

	 $m > t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	180.0*										
3.5	163.0*	120.0	105.0	58.0							
4	150.0	115.0	105.0	53.0	140.0	100.0	65.0	48.0			
4.5	135.0	100.0	100.0	50.0	128.0	95.0	62.0	45.8	103.5	80.0	45.9
5	110.0	85.0	96.0	48.0	106.0	90.0	60.0	42.5	95.0	75.8	43.8
6	74.2	65.8	67.9	45.7	59.6	61.7	55.6	37.7	62.8	60.8	35.3
7	59.6	53.3	54.3	43.4	48.1	50.2	51.7	34.4	48.8	40.6	33.0
8	46.4	43.9	44.9	35.0	39.7	41.8	43.4	30.6	38.1	36.1	30.7
9	37.7	37.1	38.1	31.0	33.4	35.5	37.1	25.5	32.4	30.6	26.6
10	31.6	31.9	32.4	29.0	28.8	30.6	32.4	23.3	27.9	26.2	23.3
11		26.9	27.6	24.0	25.0	26.8	28.2	21.5	24.2	22.6	21.2
12		23.0	23.7	21.0	21.7	23.5	24.9	19.5	21.2	19.5	20.0
14		17.0	18.2	19.4	16.6	18.0	19.1	15.6	15.5	14.9	13.4
16					12.7	14.1	15.2	12.0	11.5	11.5	12.2
18					9.7	11.2	12.3	10.0	9.0	8.9	9.2
20									6.8	6.6	7.7
22									5.2	4.8	6.0
24											
26											
n	18	12	11	6	14	10	7	5	10	8	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



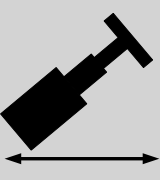

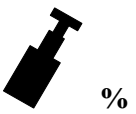
	 $m > t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	45.0										
5	43.0	80.0	75.0	45.7	40.0						
6	40.1	60.8	60.2	40.5	36.8						
7	36.7	48.5	40.8	35.8	32.9	45.2	40.0	43.0	47.0	50.5	45.0
8	32.4	38.1	30.4	32.6	29.9	34.2	32.0	33.0	32.0	40.5	36.0
9	27.2	28.2	25.5	30.8	26.1	28.0	26.4	30.8	25.6	34.0	30.0
10	25.0	27.6	24.0	27.7	24.0	26.8	24.0	28.0	24.4	26.8	25.0
11	22.7	26.2	22.3	25.0	21.0	24.8	22.3	26.3	22.1	21.5	21.0
12	20.1	23.4	19.3	18.8	16.5	22.0	19.5	23.6	20.4	18.1	18.5
14	14.5	17.8	14.9	16.4	14.3	17.7	15.3	19.2	17.1	16.1	15.9
16	13.0	13.8	11.6	14.2	12.6	14.4	12.1	16.0	12.9	14.4	13.9
18	9.8	10.9	9.1	12.5	11.2	11.5	9.6	13.0	10.4	11.9	11.4
20	8.5	8.8	7.1	10.9	10.2	9.4	7.6	10.8	8.4	9.9	9.4
22	6.5	7.0	5.4	9.1	8.8	7.6	6.1	9.0	6.7	8.3	8.0
24		5.8	4.0	7.5	7.0	6.4	4.7	7.8	5.4	6.8	6.8
26		4.6	2.8	5.3	6.0	5.2	3.6	6.7	4.2	5.5	5.8
28						4.2	2.5	5.6	3.3	4.5	4.8
30						3.5		4.8	2.5	3.6	4.0
32										2.9	3.3
34											
n	5	8	8	5	4	5	4	5	5	5	5
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

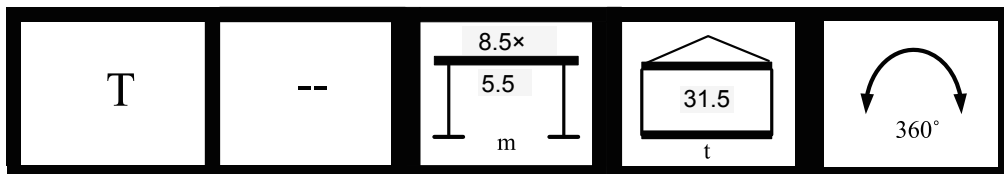


# Load Capacity Tables of Boom

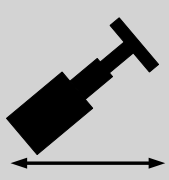

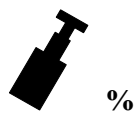
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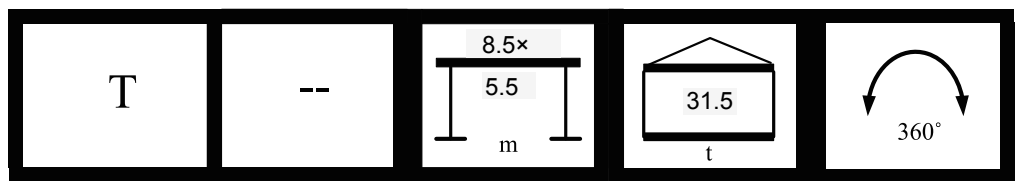


	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
6											
7	46.0	35.5									
8	35.0	32.9									
9	29.0	28.1	30.4	30.0	32.7	26.0					
10	24.5	23.5	25.5	26.2	28.1	24.6	26.0	24.3	26.9	26.5	
11	21.0	20.2	22.5	23.2	25.1	21.4	22.9	21.5	23.9	24.8	21.4
12	18.4	17.3	19.9	19.7	22.5	20.8	20.6	19.0	21.5	22.3	19.2
14	16.5	15.5	15.8	16.5	18.3	19.2	16.7	15.5	16.9	17.8	15.4
16	15.0	14.9	13.7	13.0	15.2	16.1	13.6	13.2	14.5	15.3	12.6
18	12.2	12.2	11.3	10.0	12.6	13.6	11.2	10.8	12.1	12.9	10.3
20	10.0	10.0	9.4	8.0	10.5	11.4	9.3	8.5	10.0	11.0	8.4
22	8.3	8.3	7.5	6.4	8.8	9.6	7.5	7.0	8.2	9.2	6.9
24	7.0	6.9	6.2	5.1	7.5	8.2	6.2	5.5	7.0	7.8	5.7
26	5.8	5.8	5.0	3.9	6.3	7.2	5.0	4.5	5.8	6.7	4.5
28	5.0	4.9	4.2	3.0	5.4	6.2	4.1	3.6	4.8	5.6	3.6
30	4.2	4.1	3.5	2.3	4.5	5.2	3.3	2.8	4.0	4.8	2.8
32	3.5	3.4	2.8	1.7	3.8	4.5	2.6		3.4	4.2	2.1
34					3.0	3.8	2.1		2.7	3.6	1.7
36					2.5	3.2	1.5		2.3	2.9	
38									1.8	2.4	
n	5	4	3	3	3	3	3	3	3	3	2
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
	0	92	46	0	92	46	46	0	0	92	46

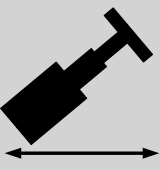




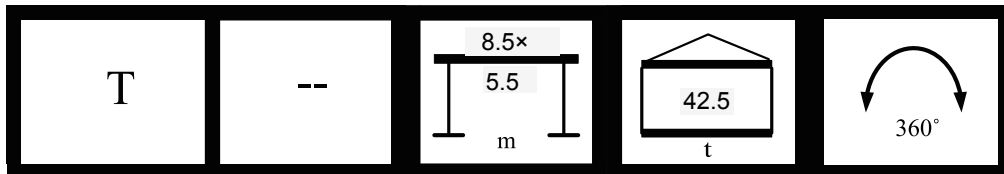


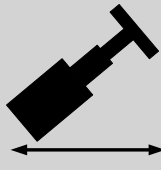


	 $m > t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
8										
9										
10										
11	22.0	23.0								
12	19.8	20.7	18.5	19.8						
14	15.0	15.4	14.9	16.2	14.9	15.9	14.3			
16	11.5	14.0	12.1	13.4	12.2	13.2	12.1			
18	10.9	11.7	9.9	11.2	10.1	11.0	10.0	11.3		
20	9.0	9.8	8.2	9.4	8.4	9.4	8.4	10.1		
22	7.2	8.0	6.7	7.9	7.0	8.2	6.9	8.0		
24	5.8	6.7	5.4	6.7	5.7	7.0	5.7	6.6		
26	4.8	5.6	4.4	5.6	4.7	5.7	4.7	5.4		
28	3.8	4.7	3.4	4.7	3.8	4.8	3.9	4.7		
30	3.0	3.8	2.7	3.9	3.0	4.0	3.0	4.0		
32	2.4	3.2	2.0	3.1	2.3	3.3	2.4	3.2		
34	1.8	2.6		2.5	1.8	2.8	1.8	2.7		
36		2.0		2.0				2.2		
38				1.6				1.8		
40										
n	2	2	2	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
	0	0	46	92	46	92	92	100		

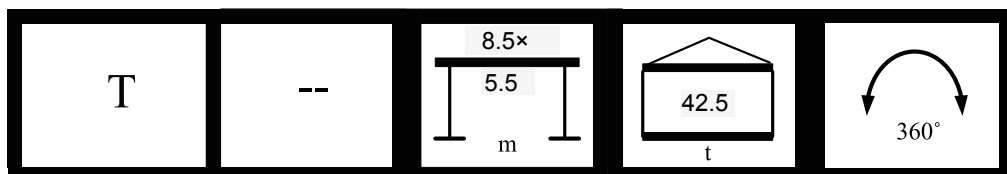


2.12 Half-extended Outrigger, 42.5t Counterweight

	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	180.0*										
3.5	163.0*	140.0	105.0	60.0							
4	150.0	140.0	105.0	55.0	140.0	100.0	65.0	48.0			
4.5	135.0	130.0	100.0	52.0	128.0	95.0	62.0	45.8	108.0	80.0	45.9
5	120.0	118.0	98.0	50.0	116.0	90.0	60.0	42.5	105.0	75.8	43.8
6	87.8	79.4	80.5	48.0	71.1	74.2	58.6	38.7	85.0	70.8	38.3
7	65.1	63.7	65.8	45.0	58.5	60.6	54.2	35.4	58.5	60.6	34.0
8	55.1	53.3	54.3	36.0	48.6	50.7	52.3	31.6	43.0	45.3	30.7
9	45.4	45.5	46.5	32.0	41.3	43.4	44.9	28.4	39.7	38.1	27.6
10	37.7	37.7	39.2	30.0	35.5	37.6	39.2	24.3	34.5	32.9	22.2
11		32.1	33.4	25.0	31.2	32.9	34.5	22.7	30.3	28.6	20.6
12		28.3	29.1	22.0	27.5	28.9	30.1	20.7	26.8	25.1	18.4
14		21.7	22.5	20.0	21.0	22.4	23.5	16.6	21.2	19.6	16.2
16					16.5	17.8	18.9	13.0	16.5	15.7	14.2
18					13.2	14.4	15.6	11.0	13.0	12.3	11.7
20									10.5	9.6	10.0
22									8.2	7.5	8.0
24											
26											
n	18	14	11	6	14	10	7	5	11	8	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



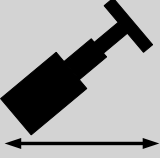


											
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	45.0										
5	43.0	80.0	75.0	45.7	40.0						
6	40.1	78.0	65.2	40.5	36.8						
7	36.7	60.0	58.8	35.8	32.9	60.0	60.0	62.0	58.0	54.5	50.0
8	33.4	49.0	42.4	32.6	29.9	45.0	45.0	50.0	50.0	50.5	48.0
9	28.2	35.0	34.5	30.8	27.1	36.0	34.4	38.8	38.6	40.0	39.0
10	26.0	33.0	30.0	27.7	25.0	32.0	30.0	29.9	30.4	32.0	32.0
11	21.1	31.9	28.0	25.0	23.0	30.4	27.9	27.9	29.8	27.0	27.0
12	19.0	28.7	24.8	18.8	16.5	27.2	24.8	25.9	26.6	23.5	23.0
14	17.0	23.4	19.5	16.4	14.3	22.2	19.8	22.2	21.6	17.5	19.2
16	14.8	18.8	15.7	14.2	12.6	18.4	16.0	18.4	17.9	16.4	17.9
18	12.5	15.2	12.6	12.5	11.2	15.5	13.2	15.5	14.9	15.5	14.9
20	10.8	12.6	10.3	11.1	10.5	13.1	10.8	13.1	12.0	13.1	12.5
22	8.5	10.5	8.2	9.8	8.8	11.0	8.9	11.0	10.0	11.0	10.7
24		8.6	6.4	8.0	7.0	9.2	7.3	9.2	8.2	9.2	8.9
26		7.3	5.0	6.0	6.3	7.7	5.9	7.7	7.0	7.7	7.4
28						6.5	4.6	6.5	5.8	6.5	6.2
30						5.5	3.7	5.5	4.8	5.5	5.2
32										4.7	4.4
34											2.5
n	5	8	8	5	4	6	6	6	6	6	5
											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
	92	0	0	46	92	0	0	46	0	46	0

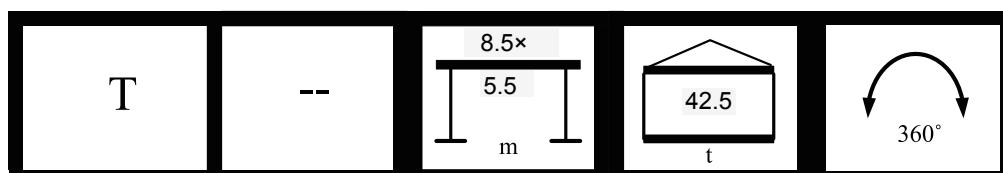


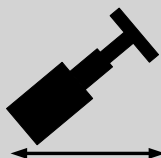


# Load Capacity Tables of Boom

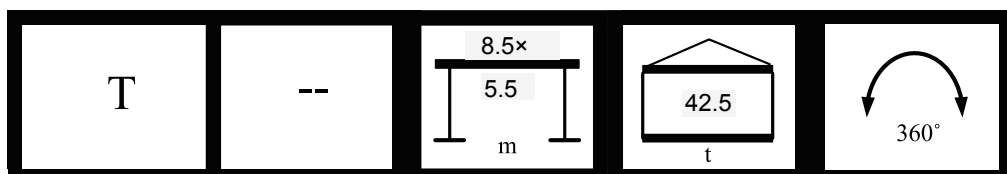
SAC2200S





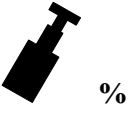
	 $m > t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
7	48.0	35.5									
8	46.0	32.9									
9	40.0	30.1	40.4	35.0	35.7	26.0					
10	32.0	28.5	35.4	28.0	30.3	24.6	30.5	30.0	30.0	26.5	
11	27.0	25.6	30.0	23.3	26.1	21.4	25.5	25.0	26.0	25.0	27.3
12	23.4	23.3	24.2	19.7	22.5	20.8	22.0	20.0	22.2	23.5	23.5
14	19.5	19.2	22.0	18.5	20.2	19.5	17.0	15.5	16.9	17.8	16.0
16	17.9	17.4	19.3	17.2	19.0	16.7	15.0	13.2	15.3	16.2	13.5
18	16.5	16.0	15.6	14.4	16.1	13.6	13.5	12.0	14.3	15.2	12.5
20	14.0	13.8	12.9	11.5	13.8	12.8	12.3	11.0	13.0	14.0	11.0
22	11.8	11.7	11.2	9.8	11.9	11.4	10.6	9.2	11.1	12.1	10.2
24	10.0	10.0	9.1	8.2	10.2	10.0	8.8	7.7	9.6	10.7	8.8
26	8.6	8.5	7.8	6.8	8.8	9.5	7.5	6.4	8.3	9.3	7.5
28	7.5	7.5	6.8	5.6	7.5	8.3	6.4	5.3	7.1	8.0	6.4
30	6.5	6.4	5.8	4.6	6.4	7.2	5.3	4.4	6.1	6.9	5.4
32	5.6	5.5	5.0	3.8	5.5	6.3	4.4	3.6	5.1	6.1	4.7
34	4.5	4.8	4.2	3.0	4.7	5.4	3.6	2.7	4.3	5.2	3.9
36			3.5	2.2	4.1	4.8	3.0	2.1	3.7	4.5	3.1
38						3.5	2.4	1.5	3.0	3.9	2.6
40							2.0		2.5	3.4	2.0
42											1.6
44											1.1
n	5	4	4	4	4	3	3	3	3	3	3
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46

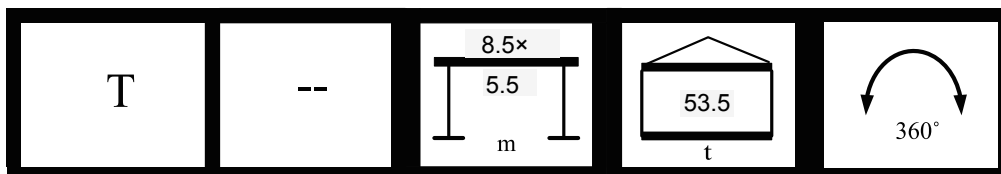


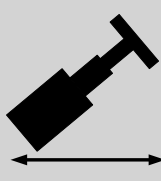

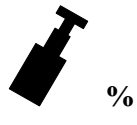
	 $m < t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
11	25.0	24.0								
12	21.0	21.0	20.0	21.4						
14	15.0	15.4	15.0	16.3	16.0	17.0	16.5			
16	11.5	14.5	13.0	14.5	13.0	13.3	13.0			
18	11.1	13.5	11.5	12.8	11.5	11.0	11.5	11.5		
20	10.5	12.0	10.5	11.6	10.5	10.0	10.5	10.5		
22	9.5	11.1	9.4	10.7	9.6	9.6	9.6	9.6		
24	8.2	9.6	7.9	9.2	8.2	8.8	8.2	8.2		
26	6.8	8.4	6.7	7.9	7.0	7.5	7.0	7.6		
28	5.6	7.2	5.6	6.9	6.0	6.5	6.0	6.8		
30	4.8	6.3	4.7	6.0	5.0	5.8	5.0	5.6		
32	4.0	5.3	3.9	5.1	4.2	5.0	4.3	4.7		
34	3.2	4.6	3.1	4.4	3.6	4.5	3.6	4.0		
36	2.5	3.9	2.5	3.8	2.9	3.5	2.9	3.5		
38	2.0	3.2	2.0	3.1	2.3	3.0	2.4	3.0		
40	1.4	2.7	1.5	2.5	1.8	2.5	1.9	2.5		
42	1.0	2.3		2.1	1.4	2.0	1.4	2.0		
44		1.9		1.6						
46				1.3						
n	3	3	2	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
	0	0	46	92	46	92	92	100		

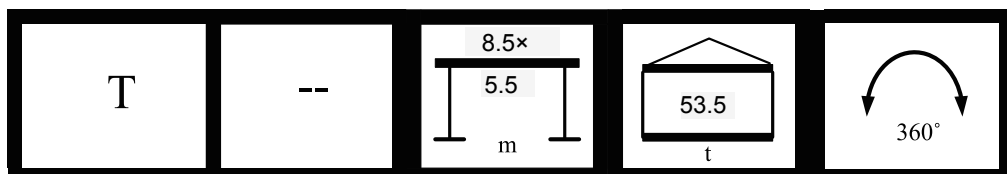


2.13 Half-extended Outrigger, 53.5t Counterweight

	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	180.0*										
3.5	163.0*	140.0	110.0	60.0							
4	150.0	140.0	110.0	55.0	140.0	105.0	68.0	50.0			
4.5	140.0	135.0	105.0	52.0	135.0	100.0	65.0	47.8	108.0	85.0	48.9
5	130.0	122.0	100.0	50.0	125.0	95.0	60.0	45.5	105.0	80.8	45.8
6	110.0	107.0	95.0	48.0	105.0	90.0	58.6	40.7	103.0	70.8	40.3
7	90.0	80.0	80.0	45.0	72.0	70.0	55.1	36.4	72.0	65.6	36.0
8	64.3	62.7	63.7	40.0	57.5	59.6	53.8	33.6	55.0	55.3	32.7
9	53.0	53.3	54.3	35.0	49.1	51.2	51.0	30.4	43.0	43.5	29.6
10	44.4	44.9	44.9	33.0	42.8	44.4	44.9	28.5	41.3	39.2	26.3
11		37.7	38.8	28.0	37.6	39.2	40.8	23.7	36.1	34.5	24.2
12		32.6	33.7	25.0	32.9	34.0	35.5	20.7	32.4	30.6	19.4
14		25.5	26.2	23.0	25.3	26.6	27.8	17.6	25.9	24.3	17.2
16					20.2	21.4	22.6	13.5	20.7	19.4	15.2
18					16.4	17.7	18.7	11.5	16.8	15.7	12.7
20									14.0	12.6	11.0
22									11.6	10.2	9.5
24											
26											
n	18	14	11	6	14	11	7	5	11	9	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



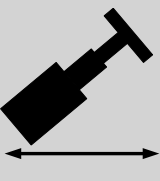


	 $m < t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	49.0										
5	46.0	90.0	80.0	48.7	41.9						
6	41.1	83.0	75.2	42.5	36.8						
7	36.7	80.0	65.8	39.8	32.9	60.0	63.0	65.0	60.0	54.5	50.0
8	33.4	60.0	58.4	35.6	29.9	58.0	60.0	62.0	58.0	54.5	50.0
9	30.2	48.0	46.5	32.8	27.1	52.0	50.4	50.8	48.6	52.0	50.0
10	27.0	41.3	40.2	28.7	25.0	36.5	40.2	29.9	40.2	42.0	42.0
11	22.1	37.6	35.5	26.4	23.0	34.2	35.5	27.9	35.5	36.1	35.3
12	20.0	34.0	31.9	23.2	17.3	31.4	31.9	25.9	31.9	32.4	33.2
14	17.6	28.0	25.9	18.4	15.3	26.8	25.9	22.9	25.9	26.6	28.1
16	15.8	23.1	21.4	16.2	13.6	23.0	21.4	20.4	21.4	22.3	23.8
18	13.5	19.2	17.7	14.5	12.2	19.5	17.7	18.3	17.7	18.9	20.1
20	11.8	16.2	14.7	12.1	11.0	16.5	14.7	17.2	14.7	15.9	17.0
22	10.0	13.9	12.3	10.8	9.8	14.2	12.3	14.9	12.3	13.5	14.6
24		11.9	10.3	10.0	8.0	12.2	10.3	13.3	10.3	11.6	12.6
26		9.5	8.8	9.0	7.0	10.7	8.8	11.7	8.8	10.0	11.1
28						9.4	7.5	10.5	7.5	8.6	9.7
30						7.5	5.8	8.5	6.5	7.4	8.6
32										6.5	7.6
34										5.5	6.8
n	5	9	8	5	4	6	7	7	6	6	5
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

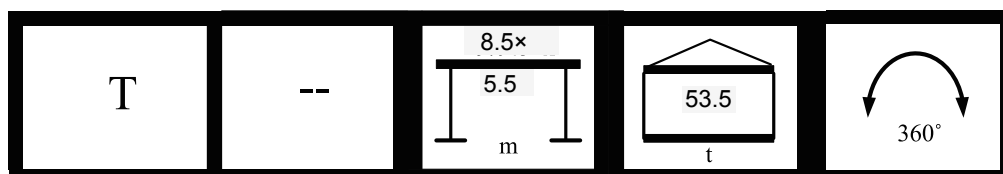


# Load Capacity Tables of Boom

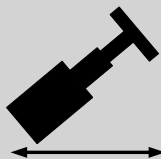

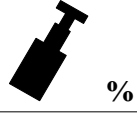
SAC2200S

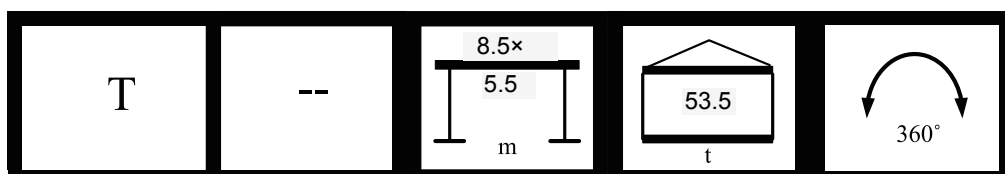


	 $m < t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
7	48.0	39.5									
8	48.0	35.9									
9	46.0	33.1	43.4	42.0	37.7	27.0					
10	42.0	30.5	42.4	40.0	35.3	25.6	34.5	32.0	30.9	28.5	
11	30.4	27.6	36.0	35.3	33.1	23.4	34.5	32.0	29.0	27.0	30.3
12	28.5	25.3	32.2	30.7	31.5	21.8	30.0	28.0	27.2	25.5	28.5
14	25.1	22.2	24.0	22.5	25.2	20.0	22.0	21.5	23.9	22.8	23.0
16	22.2	18.3	22.0	20.4	22.5	16.7	19.0	18.2	18.3	18.6	18.0
18	18.8	16.0	18.8	17.1	19.9	13.6	18.0	16.5	17.8	18.3	17.0
20	16.6	14.4	16.2	14.5	17.1	12.8	15.6	14.0	16.3	16.6	16.2
22	14.6	12.8	13.9	12.4	14.8	11.4	13.6	12.0	14.2	14.6	14.1
24	12.6	11.7	12.0	10.7	12.9	10.2	11.9	11.2	12.4	13.0	12.0
26	11.1	11.2	10.5	9.0	11.3	9.5	10.3	9.8	10.8	11.4	10.3
28	9.7	9.8	9.0	7.5	10.0	9.0	9.0	8.5	9.4	10.0	9.0
30	8.6	8.8	7.8	6.4	8.9	8.5	7.9	7.3	8.3	8.9	7.8
32	7.5	7.7	6.8	5.3	7.9	7.1	6.9	6.3	7.2	7.8	6.9
34	6.5	6.8	5.9	4.5	6.9	6.6	6.0	5.4	6.3	6.9	6.0
36			5.1	3.8	6.0	5.0	5.2	4.6	5.4	6.1	5.2
38			4.2	3.0	5.2	4.5	4.6	3.9	4.8	5.4	4.5
40							4.0	3.3	4.2	4.8	4.0
42							2.5	2.5	3.5	4.0	3.4
44											2.8
n	5	4	4	4	4	3	4	4	3	3	3
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46

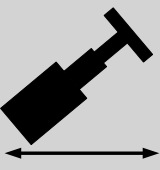




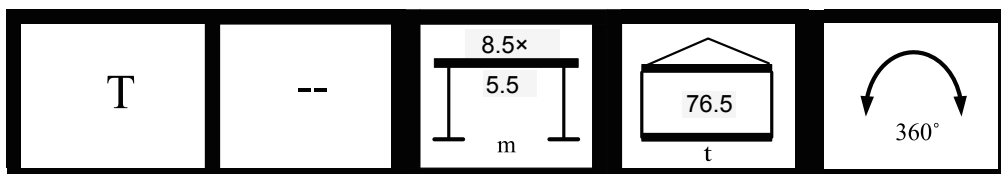


	 $m > t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
11	28.0	26.0								
12	28.0	26.0	25.0	21.4						
14	22.0	23.4	23.0	19.3	20.5	17.8	16.5			
16	17.5	18.2	18.0	17.5	18.0	16.3	16.5			
18	16.0	15.3	14.5	15.8	14.5	15.0	14.5	14.0		
20	15.0	14.9	13.0	13.0	13.8	13.8	12.0	12.0		
22	13.0	13.8	11.5	11.2	12.8	12.8	10.8	10.0		
24	11.3	12.1	10.5	10.7	11.8	11.8	9.5	8.7		
26	9.8	10.7	9.0	9.3	10.5	10.5	9.0	8.0		
28	8.6	9.4	7.7	8.0	9.4	9.4	8.0	6.8		
30	7.5	8.3	6.7	7.0	8.4	8.4	7.0	6.0		
32	6.5	7.1	5.7	6.1	7.4	7.4	6.1	5.2		
34	5.5	6.3	5.0	5.3	6.6	6.6	5.3	4.6		
36	4.7	5.4	4.2	4.6	5.9	5.9	4.6	4.0		
38	4.1	4.7	3.6	4.0	5.2	5.3	4.0	3.5		
40	3.4	4.1	2.9	3.3	4.6	4.8	3.3	3.0		
42	2.9	3.6	2.3	2.7	4.0	4.3	2.8	2.4		
44	2.4	3.1	1.8	2.3	3.4	3.8	2.4	2.0		
46			1.4	1.8	3.0	3.3	1.9			
48				1.4	2.6	2.9	1.5			
50					2.2	2.4				
52					1.8	2.1				
54						1.8				
n	3	3	3	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
7	0	0	46	92	46	92	92	100		

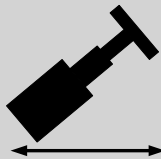




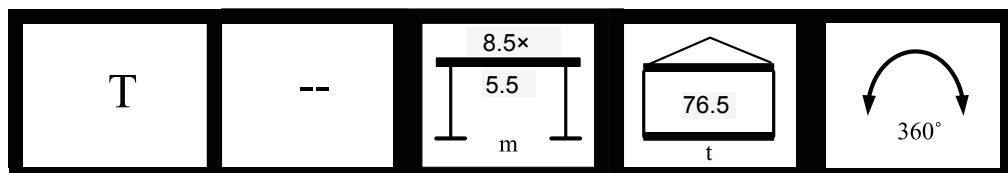
2.14 Half-extended Outrigger, 76.5t Counterweight

	 $m > < t$										
	13.1	17.3	17.3	17.3	21.5	21.5	21.5	21.5	25.8	25.8	25.8
3	220.0 *										
3.5	163.0	140.0	120.0	65.0							
4	150.0	140.0	120.0	60.0	140.0	115.0	70.0	50.0			
4.5	140.0	138.0	110.0	55.0	137.0	105.0	68.0	47.8	110.0	93.0	48.9
5	135.0	127.0	105.0	52.0	128.0	100.0	65.0	45.5	108.0	88.8	45.8
6	115.0	113.0	100.0	50.0	110.0	95.0	62.0	40.7	105.0	76.8	40.3
7	80.5	80.5	80.5	48.0	79.4	78.5	60.0	39.4	97.0	68.6	36.0
8	72.1	71.1	72.1	45.0	71.1	72.1	58.1	38.6	85.0	61.3	32.7
9	64.8	64.8	64.8	43.0	63.7	64.8	57.2	36.4	73.0	56.5	29.6
10	56.1	56.1	57.5	40.0	55.1	55.5	52.1	34.5	60.0	51.2	27.3
11		49.0	50.0	38.2	48.5	50.0	47.2	32.3	52.0	47.2	25.2
12		42.8	43.9	37.0	42.3	43.4	43.1	30.7	45.0	44.3	23.6
14		33.7	34.7	35.0	33.2	34.7	35.5	29.5	35.0	35.2	18.4
16					26.8	28.1	29.1	27.9	27.6	28.1	17.2
18					22.1	23.4	24.5	25.8	23.1	23.3	15.2
20									19.1	20.0	13.7
22									16.0	16.5	12.2
24											
26											
n	18	14	12	7	14	12	7	5	11	10	5
 %											
2	0	46	0	0	46	0	0	0	46	92	0
3	0	0	0	0	46	46	0	0	46	46	0
4	0	0	46	0	0	46	0	0	46	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	46	0	0	0	92
7	0	0	0	46	0	0	46	92	0	0	46



\*:with additional devices and strings

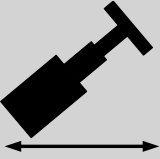

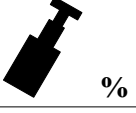
	 $m < t$										
	25.8	30.0	30.0	30.0	30.0	34.2	34.2	34.2	34.2	38.4	38.4
4.5	49.5										
5	46.0	90.0	85.0	50.7	41.9						
6	41.1	85.0	78.2	44.5	36.8						
7	36.7	82.0	69.8	39.8	32.9	70.0	66.0	68.0	67.5	54.5	52.0
8	33.4	80.0	63.4	35.6	29.9	65.0	62.3	64.0	61.3	54.5	52.0
9	30.2	75.0	57.5	32.8	27.1	62.0	56.4	61.8	55.6	52.0	50.0
10	27.9	65.0	53.0	29.7	25.0	60.0	52.0	57.0	50.4	50.0	48.0
11	25.7	55.0	48.9	27.4	23.0	55.0	48.0	52.6	46.4	46.0	44.0
12	22.1	47.5	45.8	25.2	21.2	48.0	45.0	49.3	42.8	44.0	40.0
14	18.8	37.5	35.6	20.8	17.3	39.0	35.9	39.3	37.0	39.0	38.9
16	16.6	30.5	28.3	18.4	15.3	31.4	28.6	32.6	29.4	32.0	32.0
18	15.8	24.9	24.0	16.2	13.6	25.8	23.3	27.4	24.3	27.1	26.8
20	14.2	20.9	20.0	14.5	12.2	22.0	20.0	23.6	20.2	22.5	22.5
22	12.8	18.0	17.2	13.1	11.0	19.0	17.0	19.7	17.9	19.5	19.5
24		15.0	14.8	11.8	9.8	16.0	14.8	17.1	15.4	17.0	16.8
26		13.0	12.5	11.0	8.0	14.0	12.7	15.2	13.4	15.0	14.7
28						12.0	10.9	13.4	11.7	13.0	12.9
30						10.0	9.0	11.0	10.0	11.5	11.5
32										10.0	10.0
34										9.0	8.5
n	5	9	9	5	4	7	7	7	7	6	6
 %											
2	0	46	92	0	0	46	92	0	46	46	92
3	0	46	46	0	0	46	92	46	92	46	46
4	0	46	46	0	0	46	46	46	92	46	46
5	0	46	0	92	0	46	0	46	0	46	46
6	46	0	0	46	92	46	0	46	0	46	46
7	92	0	0	46	92	0	0	46	0	46	0

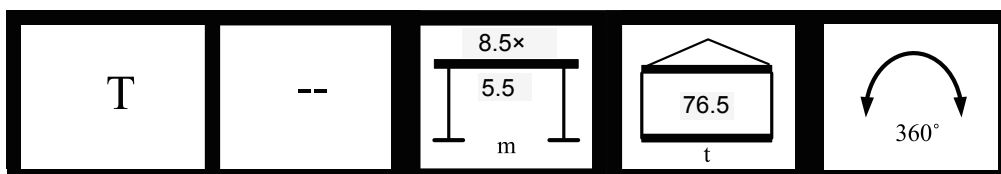


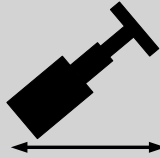


# Load Capacity Tables of Boom

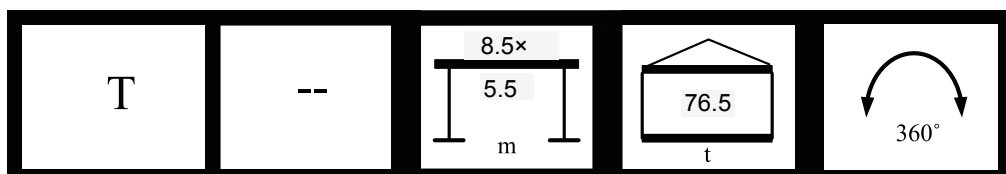
SAC2200S



	 $m < t$										
	38.4	38.4	42.6	42.6	42.6	42.6	46.8	46.8	46.8	46.8	51.0
7	48.0	39.5									
8	48.0	35.9									
9	46.0	33.1	43.4	42.0	37.7	29.9					
10	45.0	30.5	43.4	42.0	35.3	27.6	34.5	32.0	30.9	28.5	
11	42.0	28.6	42.0	41.3	33.1	25.4	34.5	32.0	29.0	27.0	30.3
12	39.0	26.3	39.2	38.7	31.5	23.8	34.0	31.0	27.2	25.5	30.0
14	38.4	23.2	37.0	33.5	28.2	20.0	31.0	30.5	23.9	22.8	28.0
16	31.5	19.3	30.0	29.8	25.5	17.7	29.0	27.2	21.3	20.6	25.0
18	26.4	17.0	25.5	24.5	23.6	15.6	25.0	24.2	19.3	18.7	23.0
20	22.7	15.4	21.4	20.6	21.3	13.8	21.0	20.9	17.2	17.2	21.0
22	19.3	13.8	19.0	17.4	19.7	12.4	18.0	17.9	15.6	14.9	18.0
24	16.8	12.4	16.0	15.4	17.1	11.2	16.2	15.5	14.3	13.7	16.0
26	14.8	11.4	14.0	12.6	15.0	10.2	14.0	13.3	12.0	12.5	14.0
28	12.1	10.2	12.0	10.9	13.7	9.5	12.5	11.5	11.0	11.5	12.0
30	10.7	9.5	10.5	9.7	12.0	9.0	10.5	10.0	9.9	10.5	10.8
32	9.5	8.7	9.5	8.5	10.5	8.0	9.5	9.0	9.2	9.8	9.5
34	8.5	7.0	8.5	7.5	9.5	7.5	8.5	8.0	8.2	9.1	8.5
36			7.5	6.5	8.5	6.5	7.5	7.0	7.7	8.5	7.5
38			6.5	5.5	7.5	5.5	6.5	6.2	7.0	7.9	6.8
40							6.0	5.5	6.5	7.3	5.8
42							5.0	4.5	5.5	6.5	5.2
44											4.5
46											3.5
n	5	4	4	4	4	3	4	4	3	3	3
 %											
2	92	0	92	92	46	0	92	92	46	46	92
3	92	0	46	92	46	0	92	92	46	46	92
4	46	46	46	92	46	92	46	92	92	46	92
5	46	46	46	46	46	92	46	46	92	46	46
6	0	92	46	0	46	92	46	46	92	92	46
7	0	92	46	0	92	46	46	0	0	92	46



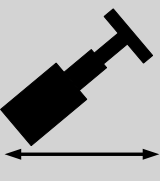

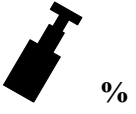
	 $m > t$									
	51.0	51.0	55.2	55.2	59.5	59.5	63.6	68.0		
8										
9										
10										
11	28.0	26.0								
12	28.0	26.0	25.0	21.4						
14	25.0	23.4	24.0	19.3	20.5	17.8	16.5			
16	23.0	21.2	23.0	17.5	20.0	17.5	16.5			
18	22.1	19.3	21.5	15.8	20.0	17.0	16.5	14.0		
20	20.0	17.4	20.0	14.6	18.0	16.8	16.0	14.0		
22	18.1	15.8	18.0	14.5	17.0	16.0	15.5	14.0		
24	15.4	14.6	15.0	14.0	16.0	15.0	15.0	13.7		
26	13.2	13.2	13.0	13.5	14.0	14.0	14.0	12.9		
28	12.0	12.3	11.0	13.0	12.0	13.0	13.0	12.1		
30	10.9	11.3	10.0	12.5	11.0	12.0	11.0	11.3		
32	9.5	9.4	9.0	11.0	9.5	10.5	10.0	9.5		
34	8.5	8.6	8.0	9.5	8.5	9.5	9.0	8.7		
36	7.5	7.8	7.0	8.5	7.5	8.5	8.0	7.7		
38	6.3	7.0	6.2	7.5	6.5	7.5	7.2	7.0		
40	5.7	6.2	5.5	6.8	5.8	6.8	6.3	6.3		
42	4.9	5.5	5.0	6.2	5.2	6.2	5.5	5.6		
n	3	3	3	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
7	0	0	46	92	46	92	92	100		

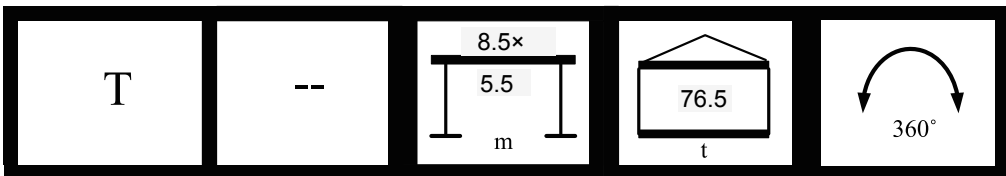


# Load Capacity Tables of Boom

SAC2200S



	 $m < t$									
	50.2	50.2	54.3	54.3	58.4	58.4	62.5	68		
44	4.0	5.0	4.5	5.5	4.7	5.5	5.0	5.0		
46	3.5	4.5	4.0	5.0	4.2	5.0	4.5	4.5		
48			3.5	4.5	3.7	4.5	4.0	4.0		
50			3.0	4.0	3.0	4.0	3.5	3.5		
52			2.5	3.5	2.5	3.5	3.0	3.0		
54						3.0	2.5	2.5		
56						2.5				
n	3	3	3	2	2	2	2	2		
 %										
2	92	46	92	46	92	46	92	100		
3	92	92	92	46	92	92	92	100		
4	92	92	92	92	92	92	92	100		
5	92	92	92	92	92	92	92	100		
6	46	92	46	92	92	92	92	100		
7	0	0	46	92	46	92	92	100		



# SANY

## Load Capacity Tables of Jib

3.1 Load Capacity Tables-Fully-extended outrigger .....	3-2
12.2m jib, 8.5t Counterweight.....	3-3
12.2m jib, 20.5t Counterweight.....	3-5
12.2m jib, 31.5t Counterweight.....	3-7
12.2m jib, 42.5t Counterweight.....	3-10
12.2m jib, 53.5t Counterweight.....	3-14
12.2m jib, 76.5t Counterweight.....	3-18
22m jib, 8.5t Counterweight.....	3-22
22m jib, 20.5t Counterweight.....	3-24
22m jib, 31.5t Counterweight.....	3-26
22m jib, 42.5t Counterweight.....	3-30
22m jib, 53.5t Counterweight.....	3-34
22m jib, 76.5t Counterweight.....	3-38
29m jib, 8.5t Counterweight.....	3-42
29m jib, 20.5t Counterweight.....	3-44
29m jib, 31.5t Counterweight.....	3-46
29m jib, 42.5t Counterweight.....	3-50
29m jib, 53.5t Counterweight.....	3-54
29m jib, 76.5t Counterweight.....	3-58
36m jib, 8.5t Counterweight.....	3-62
36m jib, 20.5t Counterweight.....	3-64
36m jib, 31.5t Counterweight.....	3-67
36m jib, 42.5t Counterweight.....	3-71
36m jib, 53.5t Counterweight.....	3-75
36m jib, 76.5t Counterweight.....	3-79
19.2m Boom – extension and jib, 8.5t Counterweight .....	3-83
19.2m Boom – extension and jib, 20.5t Counterweight.....	3-85
19.2m Boom – extension and jib, 31.5t Counterweight.....	3-87
19.2m Boom – extension and jib,42.5t Counterweight.....	3-91
19.2m Boom – extension and jib, 53.5t Counterweight.....	3-95
19.2m Boom – extension and jib, 76.5t Counterweight.....	3-99

<b>26.2m Boom – extension and jib, 8.5t Counterweight</b> .....	3-103
<b>26.2m Boom – extension and jib, 20.5t Counterweight</b> .....	3-105
<b>26.2m Boom – extension and jib, 31.5t Counterweight</b> .....	3-107
<b>26.2m Boom – extension and jib,42.5t Counterweight</b> .....	3-111
<b>26.2m Boom – extension and jib, 53.5t Counterweight</b> .....	3-115
<b>26.2m Boom – extension and jib, 76.5t Counterweight</b> .....	3-119
<b>29m Boom – extension and jib, 8.5t Counterweight</b> .....	3-123
<b>29m Boom – extension and jib, 20.5t Counterweight</b> .....	3-125
<b>29m Boom – extension and jib, 31.5t Counterweight</b> .....	3-127
<b>29m Boom – extension and jib,42.5t Counterweight</b> .....	3-131
<b>29m Boom – extension and jib, 53.5t Counterweight</b> .....	3-135
<b>29m Boom – extension and jib, 76.5t Counterweight</b> .....	3-139
<b>33.2m Boom – extension and jib, 8.5t Counterweight</b> .....	3-143
<b>33.2m Boom – extension and jib, 20.5t Counterweight</b> .....	3-145
<b>33.2m Boom – extension and jib, 31.5t Counterweight</b> .....	3-147
<b>33.2m Boom – extension and jib,42.5t Counterweight</b> .....	3-151
<b>33.2m Boom – extension and jib, 53.5t Counterweight</b> .....	3-155
<b>33.2m Boom – extension and jib, 76.5t Counterweight</b> .....	3-159
<b>36m Boom – extension and jib, 8.5t Counterweight</b> .....	3-163
<b>36m Boom – extension and jib, 20.5t Counterweight</b> .....	3-165
<b>36m Boom – extension and jib, 31.5t Counterweight</b> .....	3-167
<b>36m Boom – extension and jib,42.5t Counterweight</b> .....	3-171
<b>36m Boom – extension and jib, 53.5t Counterweight</b> .....	3-175
<b>36m Boom – extension and jib, 76.5t Counterweight</b> .....	3-179
<b>43m Boom – extension and jib, 8.5t Counterweight</b> .....	3-183
<b>43m Boom – extension and jib, 20.5t Counterweight</b> .....	3-185
<b>43m Boom – extension and jib, 31.5t Counterweight</b> .....	3-187
<b>43m Boom – extension and jib,42.5t Counterweight</b> .....	3-191
<b>43m Boom – extension and jib, 53.5t Counterweight</b> .....	3-195
<b>43m Boom – extension and jib, 76.5t Counterweight</b> .....	3-199







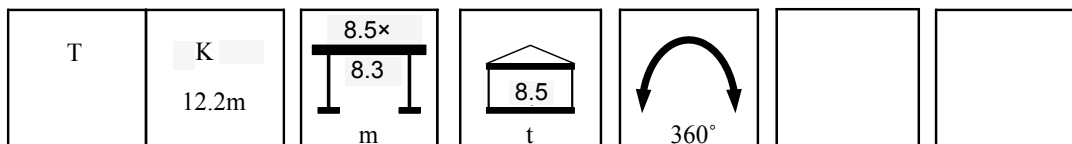
### 3 LOAD CAPACITY TABLES OF JIB

#### 3.1 Load Capacity Tables-Fully-extended outrigger

12.2m jib, 8.5t Counterweight

T 8.5	K 12.2m
----------	------------

 m	 $m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
10	17.1								
11	17.1			14.4					
12	16.9			14.3			12.9		
14	14.7	12.3		12.5			11.3		
16	12.2	11.3		10.3	11.3		9.1		
18	10.2	9.9	9.2	8.4	9.9	9.5	7.3	8.8	
20	8.0	8.2	9.0	6.8	8.2	8.8	5.9	7.3	8.0
22	6.2	6.7	7.9	5.6	6.7	7.3	4.7	6.0	6.6
24	4.7	5.5	6.7	4.5	5.5	6.1	3.6	4.8	5.7
26	3.6	4.6	5.5	3.5	4.6	5.3	2.8	3.9	4.7
28	2.9	3.7	4.3	2.6	3.5	4.3	2.0	3.0	3.7
30	2.2	2.6	3.2	1.7	2.6	3.3	1.9	2.4	2.9
32	1.0	1.8	2.4	1.0	1.8	2.4	1.2	1.7	2.2
34		1.1	1.6		1.1	1.7		1.3	1.5
36						1.6			1.2
n	2	2	1	2	2	1	2	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	57-82			60-82			62-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



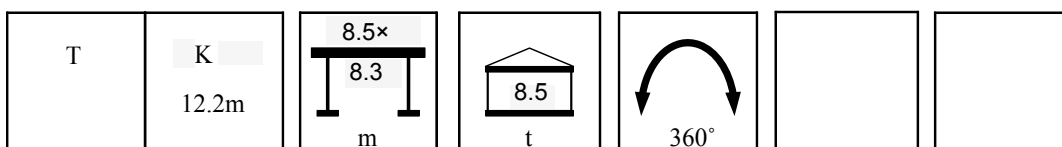
# Load Capacity Tables of Jib

SAC2200S







T	K
8.5	12.2m

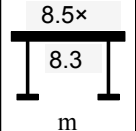
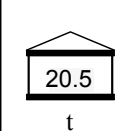
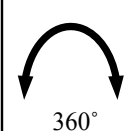
 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
10									
11									
12	10.9			6.9					
14	8.7			6.9					
16	7.0	8.8		6.9					
18	5.6	7.3		5.6	7.0				
20	4.5	6.0	6.7	4.5	5.7	6.4			
22	3.5	4.8	5.8	3.5	4.7	5.5			
24	2.7	3.9	4.8	2.7	3.7	4.5			
26	2.0	3.0	3.8	2.0	2.9	3.6			
28		2.4	3.0		2.2	2.9			
30		1.7	2.3			2.2			
32		1.6	1.7			1.5			
34			1.5						
36									
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(° )	64-82			66-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			



T	K
20.5	12.2m

**12.2m jib, 20.5t Counterweight**

 m	 m > t									
	51.0			55.2			59.5			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	17.1									
11	17.1			14.4						
12	16.9			14.3			12.9			
14	15.5	12.3		14.3			12.8			
16	15.0	11.7		14.2	11.9		12.5			
18	13.0	11.0	9.2	12.1	11.3	9.5	11.0	11.0		
20	11.1	10.5	9.0	10.3	10.8	9.3	9.2	10.1	9.2	
22	9.5	10.0	8.8	8.6	9.4	9.0	7.7	8.9	9.2	
24	8.2	8.8	8.7	7.3	8.5	8.8	6.5	7.6	8.1	
26	7.0	7.9	8.2	6.3	7.2	7.6	5.4	6.4	6.8	
28	5.9	6.8	7.1	5.3	6.2	6.5	4.5	5.4	5.9	
30	4.8	5.6	6.2	4.5	5.2	5.6	3.6	4.5	5.1	
32	3.9	4.6	5.2	3.7	4.5	5.0	2.9	3.7	4.3	
34	3.0	3.7	4.2	3.0	3.7	4.2	2.3	3.0	3.6	
36	2.3	3.0	3.4	2.3	3.0	3.4	1.7	2.4	2.9	
38	1.7	2.3	2.6	1.7	2.3	2.7		1.9	2.3	
40	1.2	1.7	2.0	1.2	1.7	2.0		1.3	1.7	
42		1.1	1.4		1.2	1.5				
44						1.4				
n	2	2	1	2	2	1	2	2	1	
 %	2	92	92	92	92	92	92	92	92	
	3	92	92	92	92	92	92	92	92	
	4	92	92	92	92	92	92	92	92	
	5	46	46	46	92	92	92	92	92	92
	6	46	46	46	46	46	46	92	92	92
	7	46	46	46	46	46	46	46	46	46
Boom Angle(°)	47-82			50-82			54-82			
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
 m/s	9	9	9	9	9	9	9	9	9	

T	K					
	12.2m	m	t	360°		

T	K
20.5	12.2m

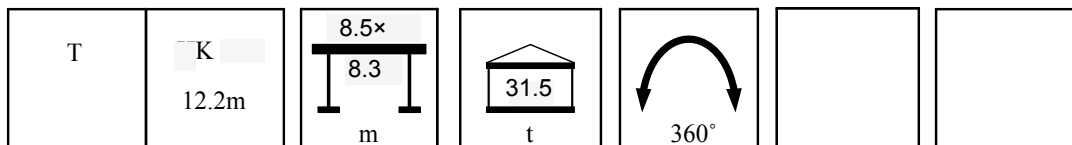
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
10									
11									
12									
14	11.2			6.9					
16	11.1			6.9					
18	10.6	10.0		6.9					
20	8.9	10.0		6.9	8.6				
22	7.5	8.6	8.8	6.9	8.6	6.8			
24	6.3	7.3	7.8	6.3	6.8	6.8			
26	5.2	6.3	6.8	5.2	6.3	6.8			
28	4.4	5.2	6.0	4.4	5.2	6.0			
30	3.5	4.4	5.1	3.5	4.4	5.1			
32	2.9	3.6	4.3	2.9	3.6	4.3			
34	2.3	2.9	3.5	2.3	2.9	3.5			
36	1.7	2.4	2.9	1.7	2.4	2.9			
38	1.4	1.9	2.3		1.9	2.3			
40		1.4	1.8		1.4	1.8			
42			1.3			1.3			
44									
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	55-82			58-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K					
	12.2m	m	t	360°		

T	K
31.5	12.2m

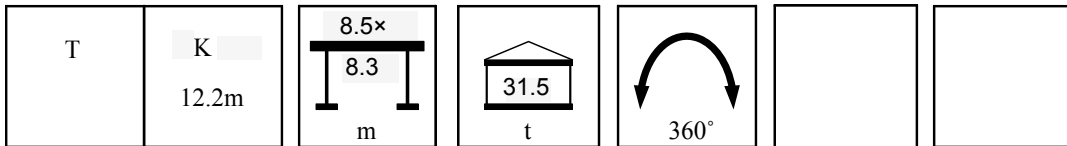
12.2m jib, 31.5t Counterweight

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
10	17.1								
11	17.1			14.4					
12	16.9			14.3			12.9		
14	15.5	12.3		14.3			12.8		
16	15.0	11.7		14.2	11.9		12.7		
18	14.1	11.0	9.2	13.7	11.3	9.5	12.5	11.0	
20	13.2	10.5	9.0	13.0	10.8	9.3	12.4	10.8	9.2
22	12.4	10.2	8.8	12.3	10.4	9.0	11.4	10.4	9.2
24	11.5	9.8	8.7	10.8	10.1	8.9	9.9	10.1	9.0
26	10.4	9.5	8.6	9.4	9.7	8.7	8.6	9.1	8.8
28	8.9	9.0	8.5	8.3	8.6	8.6	7.4	8.4	8.6
30	7.5	8.4	8.3	7.2	7.7	8.2	6.4	7.2	7.6
32	6.4	7.2	7.7	6.4	7.0	7.2	5.5	6.3	6.6
34	5.4	6.1	6.6	5.4	6.1	6.4	4.8	5.5	5.7
36	4.6	5.2	5.6	4.6	5.2	5.6	4.1	4.8	5.2
38	3.8	4.4	4.7	3.8	4.4	4.8	3.4	4.1	4.5
40	3.2	3.7	4.0	3.2	3.7	4.0	2.9	3.4	3.8
42	2.6	3.0	3.3	2.6	3.0	3.3	2.4	2.9	3.2
n	2	2	1	2	2	1	2	2	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			34-82			45-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9







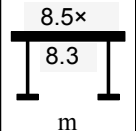
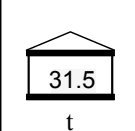
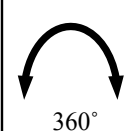
T	K
31.5	12.2m

 m	 m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
44	2.0	2.4	2.6	2.0	2.5	2.7	2.0	2.5	2.7
46	1.6	1.9	2.0	1.5	1.9	2.1	1.6	2.0	2.2
48	1.1	1.4	1.5	1.1	1.4	1.6	1.1	1.5	1.7
50			1.3			1.1		1.1	1.3
52									
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			34-82			45-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9







T	K
31.5	12.2m

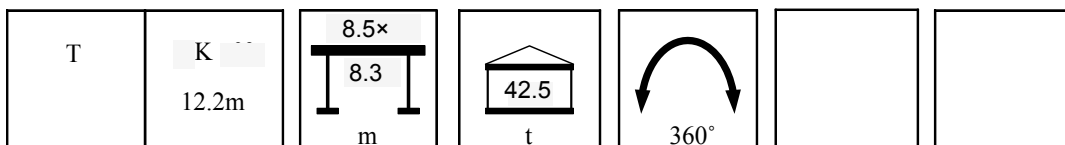
 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	11.2			6.9					
16	11.1			6.9					
18	10.9	10.0		6.9					
20	10.8	10.0		6.9	8.6				
22	10.5	9.9	8.8	6.9	8.6	6.8			
24	9.6	9.4	8.5	6.8	6.8	6.8			
26	8.3	9.0	8.1	6.7	6.6	6.8			
28	7.2	8.1	7.9	6.5	6.4	6.0			
30	6.3	7.1	7.4	6.3	6.1	5.6			
32	5.4	6.2	6.5	5.4	5.9	5.5			
34	4.7	5.4	5.7	4.7	5.4	5.3			
36	4.0	4.7	5.2	4.0	4.7	5.2			
38	3.4	4.0	4.5	3.4	4.0	4.5			
40	2.9	3.4	3.9	2.9	3.4	3.9			
42	2.4	2.9	3.3	2.4	2.9	3.3			
44	1.9	2.5	2.8	1.9	2.5	2.8			
46	1.5	2.0	2.3	1.5	2.0	2.3			
48	1.1	1.6	1.8	1.1	1.6	1.8			
50		1.2	1.4		1.2	1.4			
52		1.0	1.0		1.2	1.0			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	47-82			51-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

T	K					
	12.2m	m	t	360°		

T	K
42.5	12.2m

12.2m jib, 42.5t Counterweight

 m	 m < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
10	17.1								
11	17.1			14.4					
12	16.9			14.3			12.9		
14	15.5	12.3		14.3			12.8		
16	15.0	11.7		14.2	11.9		12.7		
18	14.1	11.0	9.2	13.7	11.3	9.5	12.5	11.0	
20	13.2	10.5	9.0	13.0	10.8	9.3	12.4	10.8	9.2
22	12.4	10.2	8.8	12.3	10.4	9.0	11.9	10.4	9.2
24	11.5	9.8	8.7	11.6	10.1	8.9	11.3	10.1	9.0
26	10.8	9.5	8.6	11.0	9.7	8.7	10.7	9.7	8.8
28	10.2	9.0	8.5	10.4	9.3	8.6	9.8	9.3	8.7
30	9.5	8.6	8.3	9.5	8.9	8.6	8.6	8.9	8.6
32	8.9	8.2	8.0	8.5	8.5	8.4	7.7	8.0	8.6
34	7.8	7.7	7.7	7.6	7.9	8.3	6.7	7.4	7.7
36	6.8	7.4	7.4	6.7	7.2	7.3	6.0	6.7	6.8
38	5.9	6.4	6.8	5.9	6.5	6.5	5.3	5.9	6.0
40	5.1	5.6	5.9	5.1	5.6	5.7	4.7	5.2	5.3
42	4.4	4.9	5.1	4.4	4.9	5.2	4.1	4.6	4.8
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			28-82			34-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9





T	K
42.5	12.2m

		51.0			55.2			59.5			
		0°	20°	40°	0°	20°	40°	0°	20°	40°	
44		3.8	4.2	4.4	3.8	4.2	4.5	3.5	3.9	4.2	
46		3.3	3.6	3.7	3.2	3.6	3.8	2.9	3.4	3.6	
48		2.7	3.0	3.1	2.7	3.1	3.2	2.5	2.9	3.0	
50		2.3	2.5	2.6	2.3	2.6	2.7	2.1	2.4	2.6	
52		1.8	2.0	2.1	1.8	2.1	2.2	1.7	2.0	2.1	
54		1.4	1.6	1.7	1.4	1.6	1.7	1.3	1.6	1.7	
56				1.4	1.1	1.2	1.3	1.0	1.2	1.3	
58								1.1	1.2	1.2	
n		2	2	1	2	2	1	2	2	1	
		2	92	92	92	92	92	92	92	92	92
		3	92	92	92	92	92	92	92	92	92
		4	92	92	92	92	92	92	92	92	92
		5	46	46	46	92	92	92	92	92	92
		6	46	46	46	46	46	46	92	92	92
		7	46	46	46	46	46	46	46	46	46
Boom Angle(° )		22-82			28-82			34-82			
Hook Weight		447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
		9	9	9	9	9	9	9	9	9	





T	K	8.5x	8.3	42.5	360°		
	12.2m	m	t				

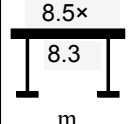
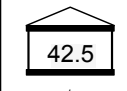

T	K
42.5	12.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	11.2			6.9					
16	11.1			6.9					
18	10.9	10.0		6.9					
20	10.8	10.0		6.9	8.6				
22	10.5	9.9	8.8	6.9	8.6	6.8			
24	10.0	9.4	8.5	6.8	6.8	6.8			
26	9.4	9.0	8.1	6.7	6.6	6.8			
28	9.0	8.7	7.9	6.5	6.4	6.0			
30	8.5	8.4	7.6	6.3	6.1	5.6			
32	7.5	8.0	7.3	5.5	5.9	5.5			
34	6.7	7.3	7.0	5.3	5.6	5.3			
36	5.9	6.6	6.7	5.2	5.4	5.2			
38	5.2	5.8	6.0	5.0	5.2	5.0			
40	4.6	5.1	5.3	4.8	5.0	4.9			
42	4.0	4.6	4.8	4.2	4.8	4.8			
44	3.5	3.9	4.2	3.7	4.2	4.5			
46	2.9	3.4	3.6	3.2	3.6	3.9			
48	2.5	2.9	3.0	2.8	3.1	3.3			
50	2.1	2.4	2.6	2.3	2.7	2.9			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	40-82			43-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K					
	12.2m	m	t	360°		

T	K
42.5	12.2m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
52	1.7	2.0	2.1	1.9	2.3	2.4			
54	1.3	1.6	1.7	1.6	1.9	2.0			
56	1.0	1.2	1.3	1.2	1.5	1.6			
58		1.1	1.2	1.0	1.1	1.3			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	40-82			43-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			


T	K 12.2m	 m	 t	 360°		
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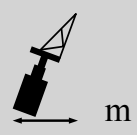

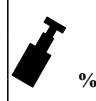

T	K
53.5	12.2m


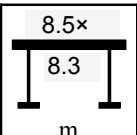
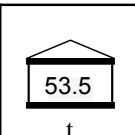
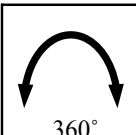
12.2m jib, 53.5t Counterweight

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
10	17.1								
11	17.1			14.4					
12	16.9			14.3			12.9		
14	15.5	12.3		14.3			12.8		
16	15.0	11.7		14.2	11.9		12.7		
18	14.1	11.0	9.2	13.7	11.3	9.5	12.5	11.0	
20	13.2	10.5	9.0	13.0	10.8	9.3	12.4	10.8	9.2
22	12.4	10.2	8.8	12.3	10.4	9.0	11.9	10.4	9.2
24	11.5	9.8	8.7	11.6	10.1	8.9	11.3	10.1	9.0
26	10.8	9.5	8.6	11.0	9.7	8.7	10.7	9.7	8.8
28	10.2	9.0	8.5	10.4	9.3	8.6	10.3	9.3	8.7
30	9.5	8.6	8.3	9.8	8.9	8.6	9.7	8.9	8.6
32	8.9	8.2	8.0	9.2	8.5	8.4	9.2	8.5	8.6
34	8.5	7.7	7.7	8.7	8.1	8.3	8.6	8.1	7.8
36	8.0	7.4	7.4	8.2	7.7	7.6	7.7	7.7	7.6
38	7.5	7.0	7.0	7.5	7.3	7.2	6.9	7.1	7.2
40	7.0	6.7	6.7	6.7	6.8	6.9	6.1	6.7	6.7
42	6.2	6.3	6.4	6.0	6.3	6.3	5.4	5.9	5.9
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			23-82			24-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

T	K					
	12.2m					

T	K 
53.5	12.2m

 m	 $m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
44	5.5	5.9	6.1	5.3	5.7	5.7	4.8	5.2	5.2
46	4.8	5.2	5.3	4.8	5.1	5.0	4.3	4.7	4.8
48	4.3	4.5	4.8	4.2	4.6	4.7	3.7	4.1	4.3
50	3.7	4.0	4.3	3.7	4.0	4.1	3.2	3.6	3.7
52	3.2	3.4	3.8	3.2	3.5	3.6	2.9	3.1	3.2
54	2.8	2.9	3.0	2.8	3.0	3.1	2.5	2.7	2.8
56	2.2	2.3	2.4	2.4	2.5	2.6	2.1	2.3	2.5
58	1.7	1.8	2.0	2.0	2.1	2.2	1.8	1.9	2.0
60			1.8			1.7	1.5	1.9	1.9
62							1.4	1.5	1.5
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			23-82			24-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

T	K  12.2m					
		m	t	360°		

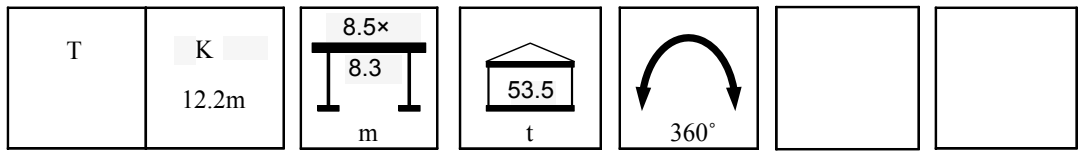
T	K
53.5	12.2m

m	m > t									
	63.6			68.0						
	0°	20°	40°	0°	20°	40°				
14	11.2			6.9						
16	11.1			6.9						
18	10.9	10.0		6.9						
20	10.8	10.0		6.9	8.6					
22	10.5	9.9	8.8	6.9	8.6	6.8				
24	10.0	9.4	8.5	6.8	6.8	6.8				
26	9.4	9.0	8.1	6.7	6.6	6.8				
28	9.0	8.7	7.9	6.5	6.4	6.0				
30	8.6	8.4	7.6	6.3	6.1	5.6				
32	8.1	8.0	7.3	6.0	5.9	5.5				
34	7.6	7.6	7.0	5.8	5.6	5.3				
36	7.3	7.2	6.8	5.5	5.4	5.2				
38	6.8	6.8	6.5	5.3	5.2	5.0				
40	6.2	6.6	6.1	5.0	5.0	4.9				
42	5.5	6.1	5.9	4.8	4.8	4.8				
44	4.9	5.4	5.5	4.6	4.6	4.6				
46	4.4	4.8	5.1	4.3	4.3	4.4				
48	3.9	4.4	4.6	3.9	4.1	4.2				
50	3.4	3.8	4.0	3.4	3.8	4.0				
n	1	1	1	1	1	1				
%	2	92	92	92	100	100	100			
	3	92	92	92	100	100	100			
	4	92	92	92	100	100	100			
	5	92	92	92	100	100	100			
	6	92	92	92	100	100	100			
	7	92	92	92	100	100	100			
Boom Angle(°)	29-82			36-82						
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg				
m/s	9	9	9	9	9	9				

T	K	m	t	360°		
	12.2m					

T 53.5	K 12.2m
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m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
52	2.9	3.3	3.5	2.9	3.3	3.5			
54	2.6	2.9	3.0	2.6	2.9	3.0			
56	2.2	2.6	2.7	2.2	2.5	2.7			
58	1.9	2.2	2.2	1.9	2.1	2.2			
60	1.5	1.8	1.8	1.5	1.8	1.8			
62	1.3	1.5	1.5	1.3	1.5				
64	1.0	1.2	1.1	1.0	1.1				
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	29-82			36-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



T	K
76.5	12.2m


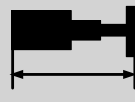


12.2m jib, 76.5t Counterweight

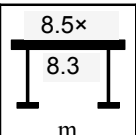
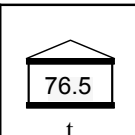
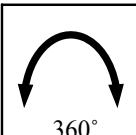
m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
10	17.1								
11	17.1			14.4					
12	16.9			14.3			12.9		
14	15.5	12.3		14.3			12.8		
16	15.0	11.7		14.2	11.9		12.7		
18	14.1	11.0	9.2	13.7	11.3	9.5	12.5	11.0	
20	13.2	10.5	9.0	13.0	10.8	9.3	12.4	10.8	9.2
22	12.4	10.2	8.8	12.3	10.4	9.0	11.9	10.4	9.2
24	11.6	9.8	8.7	11.6	10.1	8.9	11.3	10.1	9.0
26	10.8	9.5	8.6	11.0	9.7	8.7	10.7	9.7	8.8
28	10.2	9.0	8.5	10.4	9.3	8.6	10.3	9.3	8.7
30	9.6	8.6	8.3	9.8	8.9	8.6	9.7	8.9	8.6
32	8.9	8.2	8.0	9.2	8.5	8.4	9.2	8.5	8.6
34	8.5	7.7	7.7	8.7	8.1	8.3	8.7	8.1	7.8
36	8.0	7.4	7.4	8.2	7.7	7.6	8.4	7.7	7.6
38	7.5	7.0	7.0	7.8	7.3	7.2	7.9	7.4	7.2
40	7.0	6.7	6.7	7.4	6.9	6.9	7.5	7.0	6.9
42	6.6	6.3	6.4	6.9	6.6	6.6	7.1	6.8	6.7
n	2	2	1	2	2	1	2	2	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			23-82			24-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9

T	K					
	12.2m	m	t	360°		



T	K
76.5	12.2m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
44	6.2	6.0	6.1	6.6	6.4	6.3	6.8	6.6	6.4
46	5.9	5.8	5.7	6.3	6.2	5.9	6.6	6.4	6.1
48	5.5	5.7	5.4	6.0	6.0	5.7	6.0	6.1	5.9
50	5.2	5.5	5.3	5.6	5.7	5.4	5.4	5.7	5.6
52	4.9	5.3	5.0	5.0	5.4	5.2	4.9	5.2	5.0
54	4.7	4.8	4.5	4.5	5.1	5.2	4.5	4.8	4.6
56	4.4	4.5	4.0	4.2	4.9	4.9	4.0	4.3	4.1
58	3.0	3.0	3.0	3.9	4.6	4.7	3.7	3.8	3.7
60			2.5			3.0	3.1	3.2	3.2
62							2.9	3.0	2.5
64							2.5	2.6	
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			23-82			24-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9





T	K	 8.5x 8.3 m	 76.5 t	 360°		
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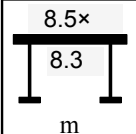
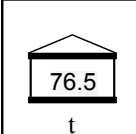
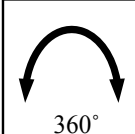
T	K
76.5	12.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	11.2			6.9					
16	11.1			6.9					
18	10.9	10.0		6.9					
20	10.8	10.0		6.9	8.6				
22	10.5	9.9	8.8	6.9	8.6	6.8			
24	10.0	9.4	8.5	6.8	6.8	6.8			
26	9.4	9.0	8.1	6.7	6.6	6.8			
28	9.0	8.7	7.9	6.5	6.4	6.0			
30	8.6	8.4	7.6	6.3	6.1	5.6			
32	8.1	8.0	7.3	6.0	5.9	5.5			
34	7.6	7.6	7.0	5.8	5.6	5.3			
36	7.3	7.2	6.8	5.5	5.4	5.2			
38	6.9	6.8	6.5	5.3	5.2	5.0			
40	6.6	6.6	6.1	5.0	5.0	4.9			
42	6.2	6.3	5.9	4.8	4.8	4.8			
44	5.9	5.9	5.6	4.6	4.6	4.6			
46	5.6	5.6	5.3	4.3	4.3	4.4			
48	5.3	5.3	5.1	4.1	4.1	4.2			
50	5.0	5.0	5.1	3.9	4.0	4.0			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	29-82			35-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K					
	12.2m	m	t	360°		

T	K
76.5	12.2m

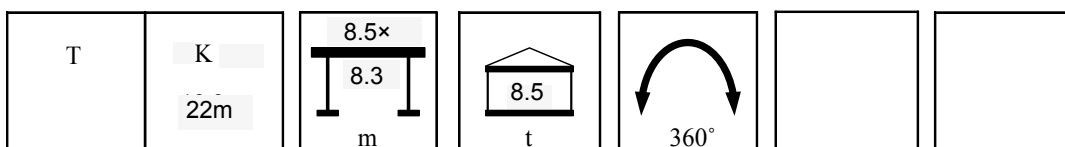
 m	 m > < t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
52	4.8	4.8	4.8	3.7	3.8	3.8			
54	4.6	4.6	4.7	3.5	3.6	3.6			
56	4.2	4.4	4.5	3.3	3.4	3.4			
58	3.8	4.0	4.1	3.2	3.2	3.2			
60	3.4	3.6	3.7	3.0	3.1	3.1			
62	3.0	3.2	3.2	2.8	2.9	2.9			
64	2.8	2.9	2.9	2.5	2.7	2.7			
66				2.3	2.3	2.4			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)		29-82			35-82				
Hook Weight		447Kg	447Kg	447Kg	447Kg	447Kg	447Kg		
 m/s		9	9	9	9	9	9		

T	K					
	12.2m	m	t	360°		

T	K
8.5	22m

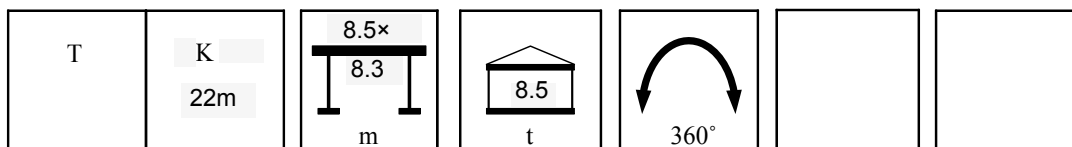
22m jib, 8.5t Counterweight

m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	7.1								
12	7.1			6.8			6.4		
14	7.1			6.8			6.4		
16	7.0			6.7			6.4		
18	6.9	5.6		6.7	5.7		6.4		
20	6.4	5.5		6.6	5.5		6.2	5.5	
22	6.3	5.3		6.0	5.4		5.0	5.4	
24	5.6	5.2		4.9	5.3		4.1	5.0	
26	4.5	5.1	4.3	4.1	4.8		3.2	4.2	
28	3.5	5.0	4.3	3.3	4.1	4.2	2.6	3.4	4.3
30	2.6	4.1	4.2	2.5	3.3	4.1	1.9	2.8	4.2
32	1.9	3.3	4.2	1.8	2.8	4.0		2.1	3.9
34	1.3	2.5	3.6	1.2	2.2	3.5		1.6	3.2
36		1.9	2.8		1.7	2.8			2.6
38		1.3	2.1			2.1			2.0
40			1.5			1.5			1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	60-82			63-82			67-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	K
8.5	22m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
11									
12									
14	5.8								
16	5.8			4.1					
18	5.7			4.1					
20	5.7	5.4		4.1					
22	4.8	5.3		4.1	4.0				
24	3.9	5.0		3.7	4.0				
26	3.0	4.2		3.0	4.0				
28	2.4	3.4	4.1	2.4	3.2				
30	1.7	2.8	4.1	1.7	2.6	4.1			
32		2.2	3.8		2.0	3.8			
34		1.6	3.1		1.5	3.1			
36			2.5			2.5			
38			1.9			1.9			
40			1.4			1.4			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	69-82			70-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			







T 20.5	K 22m
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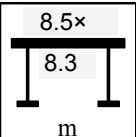
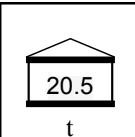
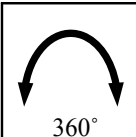
22m jib, 20.5t Counterweight

m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	7.1								
12	7.1			6.8			6.4		
14	7.1			6.8			6.4		
16	7			6.7			6.4		
18	6.9	5.6		6.7	5.7		6.4		
20	6.4	5.5		6.6	5.5		6.3	5.5	
22	6.3	5.3		6.5	5.4		6.2	5.4	
24	6.1	5.2		6.4	5.3		6.1	5.3	
26	6	5.1	4.3	6.2	5.2		5.8	5.2	
28	5.9	5	4.3	5.7	5.1	4.2	4.9	5.1	4.3
30	5.6	4.9	4.2	4.9	5.0	4.1	4.1	4.8	4.2
32	4.7	4.8	4.2	4.2	4.8	4.1	3.4	4.1	4.2
34	3.9	4.8	4.1	3.6	4.1	4.1	2.9	3.4	4.1
36	3.2	4.3	4.1	3.0	3.5	4.1	2.3	2.9	4.1
38	2.5	3.6	4.1	2.4	2.9	4.1	1.8	2.4	3.8
40	2.0	2.9	3.7	1.9	2.5	3.7	1.3	1.9	3.2
42	1.5	2.3	3.0	1.4	2.1	3.0		1.4	2.7
44	1.0	1.8	2.4		1.6	2.4			2.1
46		1.3	1.9		1.2	1.9			1.6
48			1.4			1.4			1.2
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	47-82			50-82			54-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9

T	K 22m					
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T	K
20.5	22m

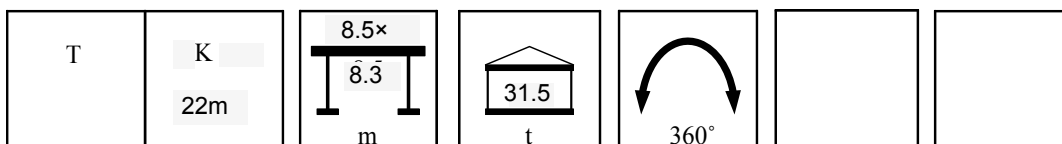
 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	5.8								
16	5.8			4.1					
18	5.7			4.1					
20	5.7	5.4		4.1					
22	5.7	5.3		4.1	4				
24	5.6	5		4.1	4				
26	5.5	5		4.1	4				
28	4.7	4.9	4.1	4.1	4				
30	3.9	4.8	4.1	3.9	4	4.1			
32	3.2	4.2	4.1	3.2	4	4.1			
34	2.7	3.5	4.1	2.7	3.3	4.1			
36	2.1	2.9	4	2.1	2.8	3.6			
38	1.6	2.5	3.7	1.6	2.3	3.6			
40	1.4	2	3.1		1.8	3.1			
42		1.5	2.6		1.4	2.6			
44		1.1	2.1			2.1			
46			1.6			1.6			
48			1.2			1.2			
50									
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	62-82			64-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

T	K					
	22m	m	t	360°		

T	K
31.5	22m

22m jib, 31.5t Counterweight

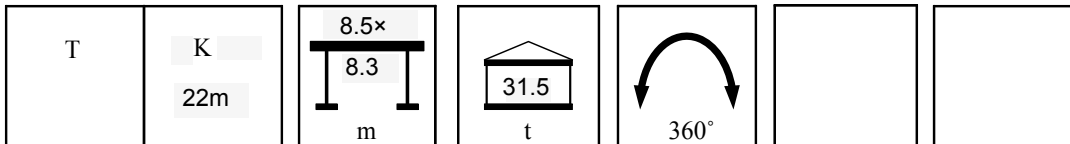
m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	7.1								
12	7.1			6.8			6.4		
14	7.1			6.8			6.4		
16	7.0			6.7			6.4		
18	6.9	5.6		6.7	5.7		6.4		
20	6.4	5.5		6.6	5.5		6.3	5.5	
22	6.3	5.3		6.5	5.4		6.2	5.4	
24	6.1	5.2		6.4	5.3		6.1	5.3	
26	6.0	5.1	4.3	6.2	5.2	4.3	6.0	5.2	
28	5.9	5.0	4.3	5.8	5.1	4.2	5.9	5.1	4.3
30	5.8	4.9	4.2	5.6	5.0	4.2	5.8	5.0	4.2
32	5.6	4.8	4.2	5.5	4.9	4.2	5.6	4.9	4.2
34	5.4	4.8	4.2	5.3	4.8	4.2	5.2	4.8	4.1
36	5.2	4.7	4.1	5.0	4.7	4.1	4.6	4.8	4.1
38	4.6	4.7	4.1	4.5	4.7	4.1	3.9	4.4	4.1
40	4.0	4.6	4.1	3.9	4.5	4.1	3.4	3.9	4.1
42	3.4	4.2	4.1	3.3	4.0	4.1	2.9	3.3	4.1
44	2.8	3.6	4.1	2.7	3.5	4.1	2.5	2.9	3.8
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	41-82			45-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	K
31.5	22m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
46	2.3	3.1	3.6	2.2	3.0	3.6	2.0	2.4	3.5
48	1.9	2.5	3.0	1.8	2.5	3.0	1.6	2.0	2.9
50	1.5	2.1	2.5	1.4	2.0	2.5	1.3	1.6	2.5
52	1.1	1.6	1.9	1.0	1.6	2.0		1.3	2.1
54			1.5		1.2	1.5		1.0	1.6
56			1.0			1.1			1.2
58									
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	41-82			45-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9







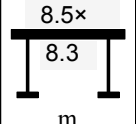
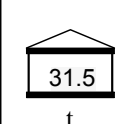

T	K
31.5	22m

m	m > t									
	63.6			68.0						
	0°	20°	40°	0°	20°	40°				
14	5.8									
16	5.8			4.1						
18	5.7			4.1						
20	5.7	5.4		4.1						
22	5.7	5.3		4.1	4.0					
24	5.6	5.0		4.1	4.0					
26	5.6	5.0		4.1	4.0					
28	5.5	4.9	4.1	4.1	4.0					
30	5.4	4.8	4.1	4.1	4.0	4.1				
32	5.3	4.8	4.1	4.1	4.0	4.1				
34	5.0	4.7	4.1	4.1	3.9	4.1				
36	4.4	4.6	4.0	4.1	3.8	3.6				
38	3.8	4.5	4.0	3.8	3.7	3.6				
40	3.2	3.9	4.0	3.2	3.7	3.5				
42	2.8	3.4	4.0	2.8	3.2	3.5				
44	2.3	2.9	3.8	2.3	2.8	3.4				
46	1.9	2.5	3.4	1.9	2.4	3.3				
48	1.5	2.1	2.9	1.5	2.0	2.9				
50	1.2	1.7	2.5	1.2	1.6	2.5				
n	1	1	1	1	1	1				
%	2	92	92	92	100	100	100			
	3	92	92	92	100	100	100			
	4	92	92	92	100	100	100			
	5	92	92	92	100	100	100			
	6	92	92	92	100	100	100			
	7	92	92	92	100	100	100			
Boom Angle(°)		52-82			54-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg				
m/s	9	9	9	9	9	9				

T	K					
	22m	m	t	360°		

T	K
31.5	22m

 m	 m > t											
	63.6			68.0								
	0°	20°	40°	0°	20°	40°						
52	1.0	1.4	2.1		1.2	2.1						
54		1.0	1.7			1.7						
56			1.3			1.3						
58			1.0			1.0						
n	1	1	1	1	1	1						
 %	2	92	92	92	100	100	100					
	3	92	92	92	100	100	100					
	4	92	92	92	100	100	100					
	5	92	92	92	100	100	100					
	6	92	92	92	100	100	100					
	7	92	92	92	100	100	100					
Boom Angle(° )	52-82			54-82								
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg						
 m/s	9	9	9	9	9	9						

T	K 22m					
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T	K
42.5	22m

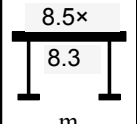
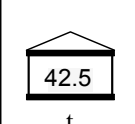

22m jib, 42.5t Counterweight

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	7.1								
12	7.1			6.8			6.4		
14	7.1			6.8			6.4		
16	7.0			6.7			6.4		
18	6.9	5.6		6.7	5.7		6.4		
20	6.4	5.5		6.6	5.5		6.3	5.5	
22	6.3	5.3		6.5	5.4		6.2	5.4	
24	6.1	5.2		6.4	5.3		6.1	5.3	
26	6.0	5.1	4.3	6.2	5.2	4.3	6.0	5.2	
28	5.9	5.0	4.3	5.8	5.1	4.2	5.9	5.1	4.3
30	5.8	4.9	4.2	5.6	5.0	4.2	5.8	5.0	4.2
32	5.6	4.8	4.2	5.5	4.9	4.2	5.6	4.9	4.2
34	5.4	4.8	4.2	5.3	4.8	4.2	5.5	4.8	4.1
36	5.2	4.7	4.1	5.2	4.7	4.1	5.3	4.8	4.1
38	5.1	4.7	4.1	5.0	4.7	4.1	5.2	4.7	4.1
40	5.0	4.6	4.1	5.0	4.6	4.1	5.1	4.7	4.1
42	4.9	4.5	4.1	4.9	4.6	4.1	4.6	4.6	4.1
44	4.6	4.4	4.1	4.5	4.5	4.1	4.0	4.4	4.1
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			28-82			34-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9

T	K	8.5x	42.5	360°		
	22m	8.3	t			
		m				

T	K
42.5	22m

 m		 m > t								
		51.0			55.2			59.5		
		0°	20°	40°	0°	20°	40°	0°	20°	40°
44	4.0	4.3	4.1	3.9	4.3	4.1	3.5	3.9	4.1	
46	3.5	4.1	4.1	3.4	3.8	4.1	3.1	3.4	4.1	
48	3.0	3.6	4.0	2.9	3.3	4.0	2.7	2.9	3.7	
50	2.6	3.1	3.4	2.5	2.9	3.5	2.3	2.5	3.3	
52	2.2	2.6	2.9	2.1	2.6	3.0	1.9	2.1	2.9	
54	1.8	2.2	2.4	1.7	2.2	2.5	1.6	1.7	2.4	
56	1.5	1.8	2.0	1.4	1.8	2.0	1.2	1.4	2.0	
58	1.1			1.0	1.4	1.6	1.0	1.1	1.6	
62					1.1				1.2	
n	1	1	1	1	1	1	1	1	1	
 %	2	92	92	92	92	92	92	92	92	
	3	92	92	92	92	92	92	92	92	
	4	92	92	92	92	92	92	92	92	
	5	46	46	46	92	92	92	92	92	
	6	46	46	46	46	46	46	92	92	
	7	46	46	46	46	46	46	46	46	
Boom Angle(°)	22-82			28-82			34-82			
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
 m/s	9	9	9	9	9	9	9	9	9	

T	K 22m	 8.5x 8.3 m	 42.5 t	 360°		
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T	K
42.5	22m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	5.8								
16	5.8			4.1					
18	5.7			4.1					
20	5.7	5.4		4.1	4.0				
22	5.7	5.3		4.1	4.0				
24	5.6	5.0		4.1	4.0				
26	5.6	5.0		4.1	4.0				
28	5.5	4.9	4.1	4.1	4.0				
30	5.4	4.8	4.1	4.1	4.0	4.1			
32	5.3	4.8	4.1	4.1	4.0	4.1			
34	5.2	4.7	4.1	4.1	3.9	4.1			
36	5.1	4.7	4.1	4.1	3.8	3.6			
38	5.0	4.6	4.1	3.9	3.7	3.6			
40	4.9	4.5	4.1	3.8	3.7	3.5			
42	4.4	4.5	4.0	3.7	3.6	3.5			
44	3.9	4.4	4.0	3.7	3.5	3.4			
46	3.4	3.9	4.0	3.5	3.4	3.3			
48	2.9	3.5	4.0	3.2	3.3	3.3			
50	2.6	3.0	3.7	2.7	2.9	3.2			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	44-82			48-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K					
	22m					

T 42.5	K 22m
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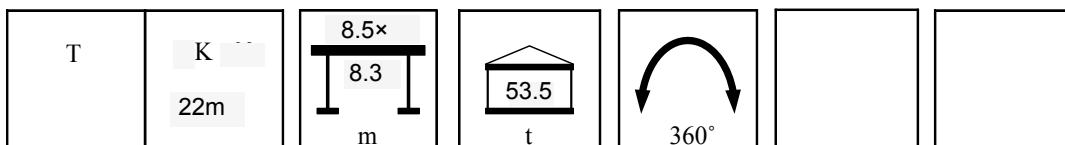
 m	 $m > t$											
	63.6			68.0								
	0°	20°	40°	0°	20°	40°						
52	2.2	2.7	3.4	2.3	2.6	3.2						
54	1.9	2.3	2.9	2.0	2.2	2.9						
56	1.6	1.9	2.6	1.4	1.8	2.6						
58	1.3	1.6	2.2	1.2	1.5	2.2						
60	1.0	1.3	1.8	1.0	1.2	1.8						
62		1.0	1.5		1.0	1.5						
64			1.1			1.1						
n	1	1	1	1	1	1						
 %	2	92	92	92	100	100	100					
	3	92	92	92	100	100	100					
	4	92	92	92	100	100	100					
	5	92	92	92	100	100	100					
	6	92	92	92	100	100	100					
	7	92	92	92	100	100	100					
Boom Angle(° )	44-82			48-82								
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg						
 m/s	9	9	9	9	9	9						

T	K 22m					
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T	K
53.5	22m





22m jib, 53.5t Counterweight

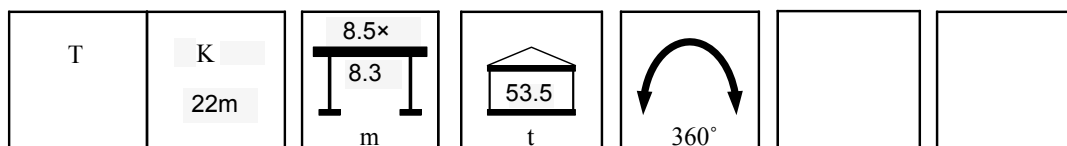
m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	7.1								
12	7.1			6.8			6.4		
14	7.1			6.8			6.4		
16	7.0			6.7			6.4		
18	6.9	5.6		6.7	5.7		6.4		
20	6.4	5.5		6.6	5.5		6.3	5.5	
22	6.3	5.3		6.5	5.4		6.2	5.4	
24	6.1	5.2		6.4	5.3		6.1	5.3	
26	6.0	5.1	4.3	6.2	5.2	4.3	6.0	5.2	
28	5.9	5.0	4.3	5.8	5.1	4.2	5.9	5.1	4.3
30	5.8	4.9	4.2	5.6	5.0	4.2	5.8	5.0	4.2
32	5.6	4.8	4.2	5.5	4.9	4.2	5.6	4.9	4.2
34	5.4	4.8	4.2	5.3	4.8	4.2	5.5	4.8	4.1
36	5.2	4.7	4.1	5.2	4.7	4.1	5.3	4.8	4.1
38	5.1	4.7	4.1	5.0	4.7	4.1	5.2	4.7	4.1
40	5.0	4.6	4.1	5.0	4.6	4.1	5.1	4.7	4.1
42	4.9	4.5	4.1	4.9	4.6	4.1	5.0	4.6	4.1
44	4.7	4.4	4.1	4.8	4.5	4.1	4.9	4.5	4.1
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			29-82			33-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





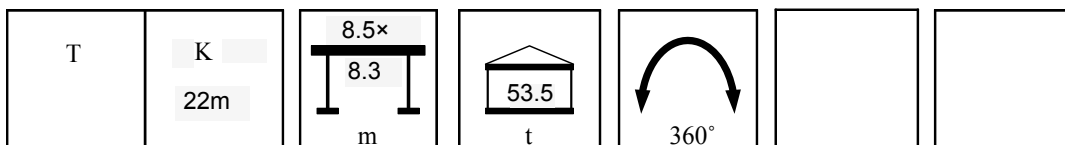
T	K
53.5	22m

 m	 $m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
46	4.6	4.3	4.1	4.6	4.5	4.1	4.6	4.4	4.1
48	4.4	4.3	4.1	4.5	4.4	4.1	4.3	4.4	4.1
50	4.3	4.2	4.1	4.4	4.3	4.1	3.8	4.0	4.1
52	4.0	4.1	4.1	3.9	4.0	4.1	3.4	3.6	4.1
54	3.5	3.9	4.1	3.4	3.6	4.1	2.9	3.1	3.7
56	3.1	3.5	3.7	3.0	3.2	3.6	2.7	2.8	3.4
58	2.7	3.0	3.2	2.6	2.9	3.3	2.3	2.4	2.9
60	2.3	2.5	2.7	2.2	2.5	2.8	2.0	2.0	2.6
62	2.0	2.2	2.4	1.9	2.1	2.4	1.7	1.7	2.1
64				1.6		2.0	1.4	1.4	
66							1.1	1.1	
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			29-82			33-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9







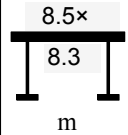
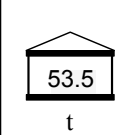
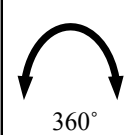
T	K
53.5	22m

m	m > t											
	63.6			68.0								
	0°	20°	40°	0°	20°	40°						
14	5.8											
16	5.8			4.1								
18	5.7			4.1								
20	5.7	5.4		4.1								
22	5.7	5.3		4.1	4.0							
24	5.6	5.0		4.1	4.0							
26	5.6	5.0		4.1	4.0							
28	5.5	4.9	4.1	4.1	4.0							
30	5.4	4.8	4.1	4.1	4.0	4.1						
32	5.3	4.8	4.1	4.1	4.0	4.1						
34	5.2	4.7	4.1	4.1	3.9	4.1						
36	5.1	4.7	4.1	4.1	3.8	3.6						
38	5.0	4.6	4.1	3.9	3.7	3.6						
40	4.9	4.5	4.1	3.8	3.7	3.5						
42	4.8	4.5	4.0	3.7	3.6	3.5						
44	4.7	4.4	4.0	3.7	3.5	3.4						
46	4.6	4.3	4.0	3.5	3.4	3.3						
48	4.3	4.2	4.0	3.4	3.3	3.3						
50	3.8	4.2	3.9	3.2	3.2	3.2						
n	1	1	1	1	1	1						
%	2	92	92	92	100	100	100					
	3	92	92	92	100	100	100					
	4	92	92	92	100	100	100					
	5	92	92	92	100	100	100					
	6	92	92	92	100	100	100					
	7	92	92	92	100	100	100					
Boom Angle(°)	35-82			40-82								
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg						
m/s	9	9	9	9	9	9						



T	K
53.5	22m

 m									
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
52	3.4	3.7	3.9	3.2	3.2	3.2			
54	3.0	3.3	3.8	3.0	3.0	3.1			
56	2.7	2.9	3.6	2.6	2.9	3.0			
58	2.3	2.6	3.2	2.3	2.5	2.9			
60	2.0	2.2	2.8	2.0	2.2	2.7			
62	1.7	1.9	2.4	1.7	1.8	2.4			
64	1.4	1.6	2.0	1.4	1.5	2.0			
66	1.1	1.3	1.7	1.1	1.2	1.7			
68		1.0		1.0	1.0	1.3			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	35-82			40-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

T	K 22m					
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T	K
76.5	22m

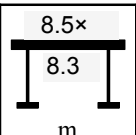
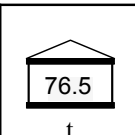
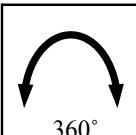
22m jib, 76.5t Counterweight

m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	7.1								
12	7.1			6.8			6.4		
14	7.1			6.8			6.4		
16	7.0			6.7			6.4		
18	6.9	5.6		6.7	5.7		6.4		
20	6.4	5.5		6.6	5.5		6.3	5.5	
22	6.3	5.3		6.5	5.4		6.2	5.4	
24	6.1	5.2		6.4	5.3		6.1	5.3	
26	6.0	5.1	4.3	6.2	5.2	4.3	6.0	5.2	
28	5.9	5.0	4.3	5.8	5.1	4.2	5.9	5.1	4.3
30	5.8	4.9	4.2	5.6	5.0	4.2	5.8	5.0	4.2
32	5.6	4.8	4.2	5.5	4.9	4.2	5.6	4.9	4.2
34	5.4	4.8	4.2	5.3	4.8	4.2	5.5	4.8	4.1
36	5.2	4.7	4.1	5.2	4.7	4.1	5.3	4.8	4.1
38	5.1	4.7	4.1	5.0	4.7	4.1	5.2	4.7	4.1
40	5.0	4.6	4.1	5.0	4.6	4.1	5.1	4.7	4.1
42	4.9	4.5	4.1	4.9	4.6	4.1	5.0	4.6	4.1
44	4.7	4.4	4.1	4.8	4.5	4.1	4.9	4.5	4.1
n	2	2	1	2	2	1	2	2	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	25-82			29-82			30-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9

T	K					
	22m					

T	K
76.5	22m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
46	4.6	4.3	4.1	4.6	4.5	4.1	4.7	4.4	4.1
48	4.4	4.3	4.1	4.5	4.4	4.1	4.6	4.4	4.1
50	4.3	4.2	4.1	4.5	4.3	4.1	4.5	4.4	4.1
52	4.1	4.1	4.1	4.4	4.2	4.1	4.4	4.3	4.1
54	4.1	4.1	4.1	4.3	4.1	4.1	4.3	4.2	4.1
56	4.0	3.9	3.7	4.1	4.1	4.1	4.2	4.2	4.1
58	3.8	3.8	3.7	4.1	4.0	4.0	4.1	4.1	4.1
60	3.6	3.7	3.7	3.9	3.9	3.8	3.8	3.7	4.1
62	3.4	3.5	3.4	3.7	3.7	3.6	3.4	3.4	3.6
64	3.2	3.3	3.2	3.6	3.6	3.6	3.1	3.0	3.2
66				3.4	3.4	3.4	2.8	2.9	2.9
68				3.3	3.3		2.6	2.6	2.6
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	25-82			29-82			30-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9





T	K	 m	 t	 360°		
	22m					

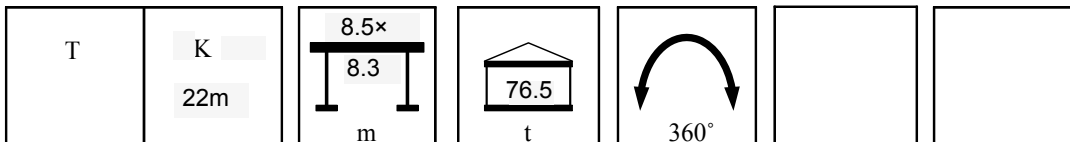
T	K
76.5	22m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	5.8								
16	5.8			4.1					
18	5.7			4.1					
20	5.7	5.4		4.1	4.0				
22	5.7	5.3		4.1	4.0				
24	5.6	5.0		4.1	4.0				
26	5.6	5.0		4.1	4.0				
28	5.5	4.9	4.1	4.1	4.0				
30	5.4	4.8	4.1	4.1	4.0	4.1			
32	5.3	4.8	4.1	4.1	4.0	4.1			
34	5.2	4.7	4.1	4.1	3.9	4.1			
36	5.1	4.7	4.1	4.1	3.8	3.6			
38	5.0	4.6	4.1	3.9	3.7	3.6			
40	4.9	4.5	4.1	3.8	3.7	3.5			
42	4.8	4.5	4.0	3.7	3.6	3.5			
44	4.7	4.4	4.0	3.7	3.5	3.4			
46	4.6	4.3	4.0	3.5	3.4	3.3			
48	4.4	4.2	4.0	3.4	3.3	3.3			
50	4.3	4.2	3.9	3.2	3.2	3.2			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	30-82			31-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K	m	t	360°		
	22m					

T	K
76.5	22m

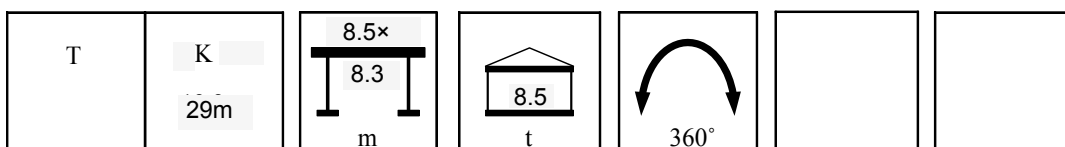
 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
52	4.1	4.1	3.9	3.2	3.2	3.2			
54	3.9	4.0	3.8	3.0	3.0	3.1			
56	3.7	3.8	3.7	2.8	2.9	3.0			
58	3.5	3.6	3.6	2.7	2.8	2.9			
60	3.3	3.5	3.6	2.5	2.6	2.7			
62	3.2	3.3	3.4	2.4	2.5	2.6			
64	3.0	3.1	3.2	2.3	2.3	2.4			
66	2.8	2.9	3.1	2.2	2.3	2.3			
68	2.5	2.6	2.9	2.1	2.1	2.2			
70	2.3	2.3	2.6	1.9	2.0	2.1			
72	2.0	1.7	2.2	1.7	1.8	1.9			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	30-82			31-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			



T	K
8.5	29m





29m jib, 8.5t Counterweight

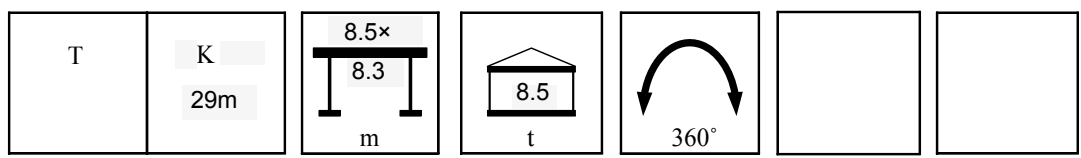
m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	5.5								
12	5.2								
14	5.2			4.9			4.7		
16	5.2			4.9			4.7		
18	5.2			4.9			4.7		
20	5.1			4.9			4.7		
22	4.8			4.8			4.6		
24	4.8	3.9		4.7			4.1		
26	4.6	3.8		4.1	3.6		3.2	3.8	
28	3.9	3.7		3.3	3.5		2.6	3.7	
30	3.0	3.6	1.5	2.7	3.4	1.5	1.9	3.6	1.5
32	2.3	3.4	1.5	2.1	3.4	1.5		3.2	1.5
34	1.6	3.2	1.5	1.5	3.1	1.5		2.6	1.5
36	1.0	2.5	1.4		2.5	1.4		2.0	1.4
38		1.9	1.4		1.8	1.4		1.5	
40		1.4	1.4		1.3	1.0			
42			1.4						
44			1.0						
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	62-82			65-82			70-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	K
8.5	29m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
11									
12									
14									
16	4.2								
18	4.2			2.9					
20	4.2			2.9					
22	4.2			2.9					
24	3.8			2.9					
26	3.0	3.6		2.9					
28	2.3	3.5		2.3	2.6				
30	1.7	3.4		1.7	2.6				
32		3.1	1.4		2.6	1.4			
34		2.6	1.4		2.4	1.4			
36		2.0	1.4		1.9	1.4			
38		1.5	1.0		1.3				
40									
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	71-82			72-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			



T	K
20.5	29m

29m jib, 20.5t Counterweight

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	5.5								
12	5.2								
14	5.2			4.9			4.7		
16	5.2			4.9			4.7		
18	5.2			4.9			4.7		
20	5.1			4.9			4.7		
22	4.8			4.8			4.6		
24	4.8	3.9		4.8			4.6		
26	4.6	3.8		4.6	3.6		4.5	3.8	
28	4.4	3.7		4.5	3.5		4.3	3.7	
30	4.3	3.6	1.5	4.4	3.4	1.5	4.1	3.6	1.5
32	4.3	3.4	1.5	4.2	3.4	1.5	3.4	3.3	1.5
34	4.2	3.3	1.5	3.6	3.3	1.5	2.9	3.2	1.5
36	3.5	3.2	1.4	3.0	3.2	1.4	2.3	3.1	1.4
38	2.9	3.1	1.4	2.6	3.1	1.4	1.8	3.1	1.4
40	2.3	3.0	1.4	2.1	3.0	1.4	1.4	2.8	1.4
42	1.8	2.9	1.4	1.6	2.9	1.4		2.3	1.4
44	1.3	2.4	1.4	1.2	2.3	1.4		1.8	1.2
46		1.9	1.4		1.8	1.2		1.4	
48		1.5	1.4		1.4	1.0			
50		1.1	1.3						
52			1.0						
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	55-82			57-82			62-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9

T	K					
	29m					

T	K
20.5	29m

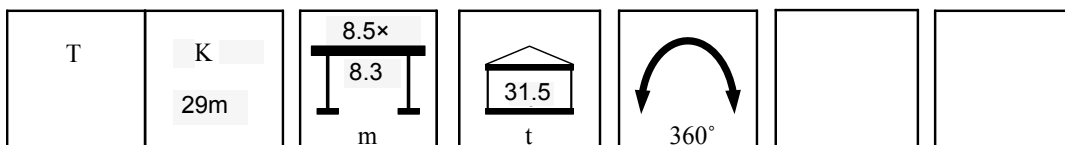
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	4.2								
18	4.2			2.9					
20	4.2			2.9					
22	4.2			2.9					
24	4.2			2.9					
26	4.1	3.6		2.9					
28	4.0	3.5		2.9	2.6				
30	3.9	3.4		2.9	2.6				
32	3.2	3.1	1.4	2.9	2.6	1.4			
34	2.7	3.1	1.4	2.7	2.6	1.4			
36	2.1	3.0	1.4	2.1	2.6	1.4			
38	1.6	3.0	1.4	1.6	2.6	1.4			
40	1.4	2.6	1.4		2.6	1.4			
42		2.1	1.4		2.1	1.4			
44		1.7	1.2		1.7	1.4			
46		1.3			1.3	1.4			
48		1.0							
50									
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	63-82			67-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K					
	29m	m	t	360°		

T	K
31.5	29m

29m jib, 31.5t Counterweight

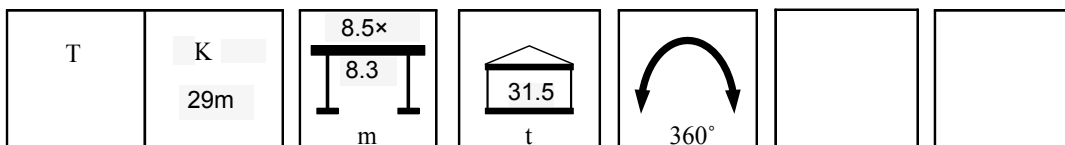
m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	5.5								
12	5.2								
14	5.2			4.9			4.7		
16	5.2			4.9			4.7		
18	5.2			4.9			4.7		
20	5.1			4.9			4.7		
22	4.8			4.8			4.6		
24	4.8	4.0		4.8			4.6		
26	4.8	3.9		4.6	3.6		4.5	3.8	
28	4.6	3.7		4.5	3.5		4.3	3.7	
30	4.5	3.6	1.5	4.4	3.4	1.5	4.2	3.6	1.5
32	4.3	3.5	1.5	4.2	3.4	1.5	4.1	3.3	1.5
34	4.2	3.3	1.5	4.1	3.3	1.5	4.0	3.2	1.5
36	4.0	3.2	1.4	4.0	3.2	1.4	3.9	3.1	1.4
38	3.9	3.1	1.4	3.9	3.1	1.4	3.8	3.1	1.4
40	3.7	3.0	1.4	3.7	3.0	1.4	3.4	3.0	1.4
42	3.6	2.9	1.4	3.5	3.0	1.4	2.9	2.9	1.4
44	3.1	2.9	1.4	3.0	2.9	1.4	2.5	2.9	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	45-82			50-82			53-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9









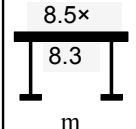
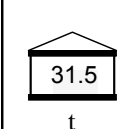

T	K
31.5	29m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	4.2								
18	4.2			2.9					
20	4.2			2.9					
22	4.2			2.9					
24	4.2			2.9					
26	4.1	3.6		2.9					
28	4.0	3.5		2.9	2.6				
30	4.0	3.4		2.9	2.6				
32	3.9	3.1	1.4	2.9	2.6	1.4			
34	3.8	3.1	1.4	2.9	2.6	1.4			
36	3.7	3.0	1.4	2.8	2.6	1.4			
38	3.6	3.0	1.4	2.7	2.6	1.4			
40	3.2	2.9	1.4	2.7	2.6	1.4			
42	2.8	2.9	1.4	2.6	2.5	1.4			
44	2.3	2.9	1.4	2.3	2.5	1.4			
46	1.9	2.8	1.4	1.9	2.4	1.4			
48	1.5	2.6	1.4	1.5	2.3	1.4			
50	1.4	2.2	1.4	1.2	2.2	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)		55-82			59-82				
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



T	K
31.5	29m

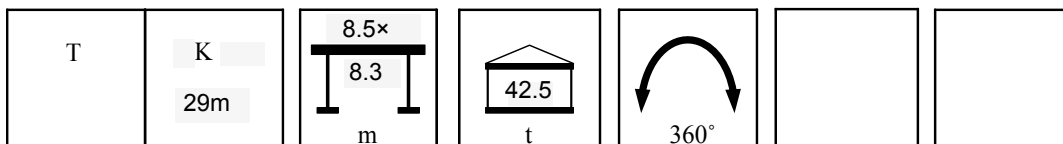
											
		63.6			68.0						
		0°	20°	40°	0°	20°	40°				
52		1.0	1.8	1.3		1.8	1.2				
54			1.5	1.0		1.5	1.0				
56			1.1			1.1					
58			1.0								
	n	1	1	1	1	1	1				
	2	92	92	92	100	100	100				
	3	92	92	92	100	100	100				
	4	92	92	92	100	100	100				
	5	92	92	92	100	100	100				
	6	92	92	92	100	100	100				
	7	92	92	92	100	100	100				
Boom Angle(°)		55-82			59-82						
Hook Weight		447Kg	447Kg	447Kg	447Kg	447Kg	447Kg				
		9	9	9	9	9	9				

T	K					
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T	K
42.5	29m





29m jib, 42.5t Counterweight

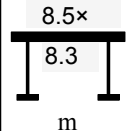
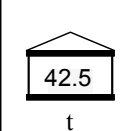
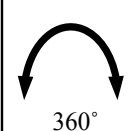
m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	5.5								
12	5.2								
14	5.2			4.9			4.7		
16	5.2			4.9			4.7		
18	5.2			4.9			4.7		
20	5.1			4.9			4.7		
22	4.8	4.0		4.8			4.6		
24	4.8	4.0		4.8	3.9		4.6	3.8	
26	4.8	3.9		4.6	3.6		4.5	3.8	
28	4.6	3.7	1.5	4.5	3.5	1.5	4.3	3.7	1.5
30	4.5	3.6	1.5	4.4	3.4	1.5	4.2	3.6	1.5
32	4.3	3.5	1.5	4.2	3.4	1.5	4.1	3.3	1.5
34	4.2	3.3	1.5	4.1	3.3	1.5	4.0	3.2	1.5
36	4.0	3.2	1.4	4.0	3.2	1.4	3.9	3.1	1.4
38	3.9	3.1	1.4	3.9	3.1	1.4	3.8	3.1	1.4
40	3.7	3.0	1.4	3.7	3.0	1.4	3.7	3.0	1.4
42	3.6	2.9	1.4	3.6	3.0	1.4	3.6	2.9	1.4
44	3.5	2.9	1.4	3.5	2.9	1.4	3.5	2.9	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	35-82			42-82			45-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	K
42.5	29m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
44	3.3	2.9	1.4	3.4	2.9	1.4	3.3	2.9	1.4
46	3.2	2.8	1.4	3.3	2.9	1.4	3.1	2.8	1.4
48	3.1	2.7	1.4	3.2	2.7	1.4	2.8	2.7	1.4
50	2.9	2.6	1.4	2.7	2.7	1.4	2.4	2.7	1.4
52	2.5	2.6	1.4	2.3	2.6	1.4	2.0	2.5	1.4
54	2.1	2.3	1.4	1.9	2.3	1.4	1.7	2.2	1.3
56	1.7	2.0	1.4	1.6	1.9	1.2	1.4	1.8	1.0
58	1.4	1.6	1.4	1.3	1.5	1.0	1.1	1.5	
62	1.1	1.3			1.2			1.1	
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle (°)	35-82			42-82			45-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9





T	K					
	29m					

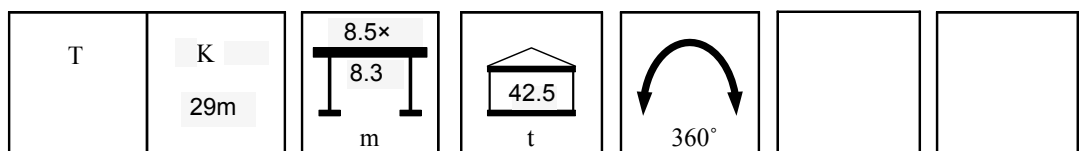
T	K
42.5	29m

m	m > < t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	4.2								
18	4.2			2.9					
20	4.2			2.9					
22	4.2			2.9					
24	4.2			2.9					
26	4.1	3.6		2.9	2.6				
28	4.0	3.5		2.9	2.6				
30	4.0	3.4	1.4	2.9	2.6	1.4			
32	3.9	3.1	1.4	2.9	2.6	1.4			
34	3.8	3.1	1.4	2.9	2.6	1.4			
36	3.7	3.0	1.4	2.8	2.6	1.4			
38	3.6	3.0	1.4	2.7	2.6	1.4			
40	3.5	2.9	1.4	2.7	2.6	1.4			
42	3.4	2.9	1.4	2.6	2.5	1.4			
44	3.3	2.9	1.4	2.6	2.5	1.4			
46	3.2	2.8	1.4	2.6	2.4	1.4			
48	2.9	2.7	1.4	2.5	2.3	1.4			
50	2.6	2.7	1.4	2.4	2.3	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	47-82			52-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K	8.5x 8.3 m	42.5 t	360°		
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T	K
42.5	29m

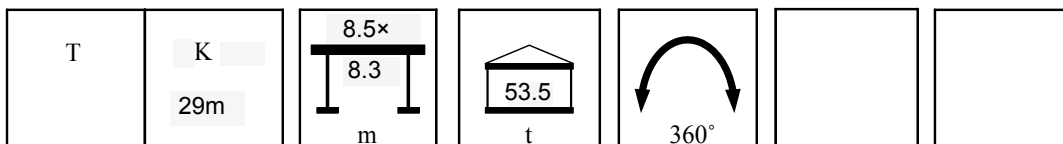
										
	63.6			68.0						
	0°	20°	40°	0°	20°	40°				
52	2.2	2.6	1.4	2.2	2.3	1.4				
54	1.9	2.6	1.4	1.9	2.3	1.4				
56	1.5	2.2	1.4	1.5	2.1	1.3				
58	1.2	1.9	1.1	1.2	1.7	1.0				
60	1.0	1.6		1.0	1.4					
62		1.3			1.1					
64										
n	1	1	1	1	1	1				
 %	2	92	92	92	100	100	100			
	3	92	92	92	100	100	100			
	4	92	92	92	100	100	100			
	5	92	92	92	100	100	100			
	6	92	92	92	100	100	100			
	7	92	92	92	100	100	100			
Boom Angle(° )	47-82			52-82						
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg				
 m/s	9	9	9	9	9	9				







T	K
53.5	29m

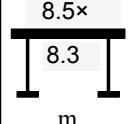
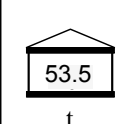

29m jib, 53.5t Counterweight

m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	5.5								
12	5.2								
14	5.2			4.9			4.7		
16	5.2			4.9			4.7		
18	5.2			4.9			4.7		
20	5.1			4.9			4.7		
22	4.8	4.0		4.8			4.6		
24	4.8	4.0		4.8	3.9		4.6	3.8	
26	4.8	3.9		4.6	3.6		4.5	3.8	
28	4.6	3.7	1.5	4.5	3.5	1.5	4.3	3.7	1.5
30	4.5	3.6	1.5	4.4	3.4	1.5	4.2	3.6	1.5
32	4.3	3.5	1.5	4.2	3.4	1.5	4.1	3.3	1.5
34	4.2	3.3	1.5	4.1	3.4	1.5	4.0	3.2	1.5
36	4.0	3.2	1.4	4.0	3.3	1.4	3.9	3.1	1.4
38	3.9	3.1	1.4	3.9	3.2	1.4	3.8	3.1	1.4
40	3.7	3.0	1.4	3.7	3.1	1.4	3.7	3.0	1.4
42	3.6	2.9	1.4	3.6	3.0	1.4	3.6	2.9	1.4
44	3.5	2.9	1.4	3.5	2.9	1.4	3.5	2.9	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	26-82			32-82			37-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	K
53.5	29m

 m	 m < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
46	3.3	2.9	1.4	3.4	2.9	1.4	3.3	2.9	1.4
48	3.2	2.8	1.4	3.3	2.9	1.4	3.2	2.8	1.4
50	3.1	2.7	1.4	3.2	2.8	1.4	3.1	2.7	1.4
52	2.9	2.7	1.4	3.1	2.7	1.4	3.1	2.7	1.4
54	2.8	2.6	1.4	3.0	2.7	1.4	3.0	2.6	1.4
56	2.8	2.6	1.4	2.9	2.6	1.4	2.8	2.6	1.4
58	2.7	2.6	1.4	2.8	2.6	1.4	2.4	2.5	1.4
60	2.6	2.5	1.4	2.5	2.5	1.4	2.1	2.5	1.4
62	2.3	2.5		2.1	2.5	1.4	1.8	2.4	1.4
64	1.9	2.4		1.8	2.3	1.3	1.5	2.1	1.2
66	1.7	2.0		1.5	2.0		1.2	1.7	
68	1.4	1.7		1.2	1.6		1.0	1.4	
70					1.3			1.1	
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	26-82			32-82			37-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

T	K					
	29m	m	t	360°		

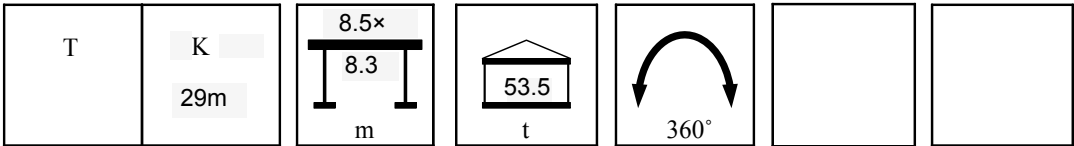
T	K
53.5	29m

m									
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	4.2								
18	4.2			2.9					
20	4.2			2.9					
22	4.2			2.9					
24	4.2			2.9					
26	4.1	3.6		2.9	2.6				
28	4.0	3.5		2.9	2.6				
30	4.0	3.4	1.4	2.9	2.6	1.5			
32	3.9	3.1	1.4	2.9	2.6	1.5			
34	3.8	3.1	1.4	2.9	2.6	1.5			
36	3.7	3.0	1.4	2.8	2.6	1.4			
38	3.6	3.0	1.4	2.7	2.6	1.4			
40	3.5	2.9	1.4	2.7	2.6	1.4			
42	3.4	2.9	1.4	2.6	2.5	1.4			
44	3.3	2.9	1.4	2.6	2.5	1.4			
46	3.2	2.8	1.4	2.6	2.4	1.4			
48	3.1	2.7	1.4	2.5	2.3	1.4			
50	3.1	2.7	1.4	2.4	2.3	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	41-82			45-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K					
	29m	m	t	360°		

T	K
53.5	29m

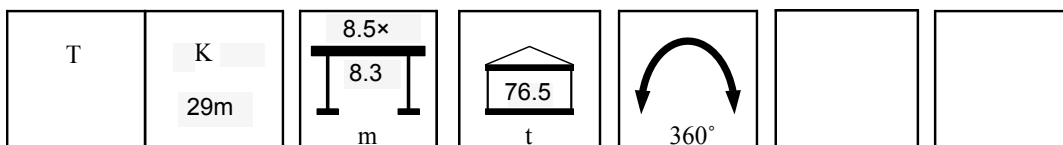
m		m > t								
		63.6			68.0					
		0°	20°	40°	0°	20°	40°			
52		3.0	2.6	1.4	2.4	2.3	1.4			
54		2.9	2.6	1.4	2.3	2.3	1.4			
56		2.7	2.5	1.4	2.3	2.2	1.4			
58		2.4	2.5	1.4	2.2	2.1	1.3			
60		2.1	2.5	1.4	2.1	2.1	1.3			
62		1.8	2.4	1.4	1.8	2.0	1.3			
64		1.5	2.1	1.3	1.5	2.0	1.3			
66		1.3	1.8	1.1	1.2	1.8	1.1			
68		1.1	1.5		1.0	1.5				
70			1.2			1.2				
72			1.0			1.0				
n		1	1	1	1	1	1			
%	2	92	92	92	100	100	100			
	3	92	92	92	100	100	100			
	4	92	92	92	100	100	100			
	5	92	92	92	100	100	100			
	6	92	92	92	100	100	100			
	7	92	92	92	100	100	100			
Boom Angle(° )		41-82			45-82					
Hook Weight		447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s		9	9	9	9	9	9			



T	K
76.5	29m





29m jib, 76.5t Counterweight

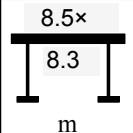
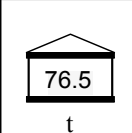
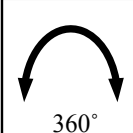
m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	5.5								
12	5.2								
14	5.2			4.9			4.7		
16	5.2			4.9			4.7		
18	5.2			4.9			4.7		
20	5.1			4.9			4.7		
22	4.8	4.0		4.8			4.6		
24	4.8	4.0		4.8	3.9		4.6	3.8	
26	4.8	3.9		4.6	3.9		4.5	3.8	
28	4.6	3.7	1.5	4.5	3.8	1.5	4.3	3.7	4.3
30	4.5	3.6	1.5	4.4	3.7	1.5	4.2	3.6	4.2
32	4.3	3.5	1.5	4.2	3.5	1.5	4.1	3.3	4.2
34	4.2	3.3	1.5	4.1	3.4	1.5	4.0	3.2	4.1
36	4.0	3.2	1.4	4.0	3.3	1.4	3.9	3.1	4.1
38	3.9	3.1	1.4	3.9	3.2	1.4	3.8	3.1	4.1
40	3.7	3.0	1.4	3.7	3.1	1.4	3.7	3.0	4.1
42	3.6	2.9	1.4	3.6	3.0	1.4	3.6	2.9	4.1
44	3.5	2.9	1.4	3.5	2.9	1.4	3.5	2.9	4.1
46	3.3	2.9	1.4	3.4	2.9	1.4	3.3	2.9	
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	26-82			26-82			27-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	K
76.5	29m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
48	3.2	2.8	1.4	3.3	2.9	1.4	3.2	2.8	4.1
50	3.1	2.7	1.4	3.2	2.8	1.4	3.1	2.7	4.1
52	2.9	2.7	1.4	3.1	2.7	1.4	3.1	2.7	4.1
54	2.8	2.6	1.4	3.0	2.7	1.4	3.0	2.6	4.1
56	2.8	2.6	1.4	2.9	2.6	1.4	2.9	2.6	4.1
58	2.7	2.6	1.4	2.9	2.6	1.4	2.9	2.5	4.1
60	2.6	2.5	1.4	2.8	2.5	1.4	2.8	2.5	4.1
62	2.5	2.5	0.0	2.7	2.5	1.4	2.8	2.5	4.1
64	2.4	2.4	0.0	2.6	2.5	1.4	2.7	2.4	3.6
66	2.4	2.4		2.5	2.4		2.6	2.4	3.2
68	2.3	2.4		2.4	2.4		2.6	2.4	2.9
70				2.4	2.4		2.4	2.4	2.6
72				2.3			2.2	2.4	
74				2.1			2.0	2.2	
76							1.7	2.0	
78							1.5	1.8	
80							1.3	1.5	
82									
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	25-82			29-82			30-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

T	K					
	29m	m	t	360°		

T	K
76.5	29m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	4.2								
18	4.2			2.9					
20	4.2			2.9					
22	4.2			2.9					
24	4.2			2.9					
26	4.1	3.6		2.9	2.6				
28	4.0	3.5		2.9	2.6				
30	4.0	3.4	1.4	2.9	2.6	1.5			
32	3.9	3.1	1.4	2.9	2.6	1.5			
34	3.8	3.1	1.4	2.9	2.6	1.5			
36	3.7	3.0	1.4	2.8	2.6	1.4			
38	3.6	3.0	1.4	2.7	2.6	1.4			
40	3.5	3.0	1.4	2.7	2.6	1.4			
42	3.4	2.9	1.4	2.6	2.5	1.4			
44	3.3	2.9	1.4	2.6	2.5	1.4			
46	3.3	2.9	1.4	2.6	2.4	1.4			
48	3.2	2.8	1.4	2.5	2.3	1.4			
50	3.1	2.7	1.4	2.4	2.3	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			33-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K	m	t	360°		
	29m					

T	K
76.5	29m

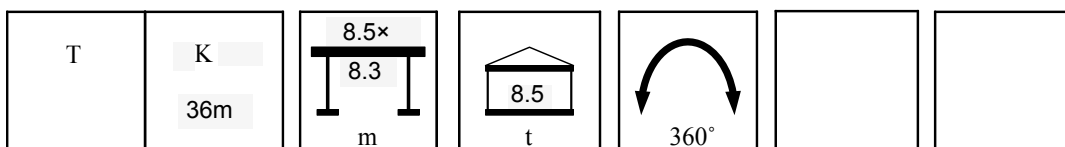
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
52	3.1	2.7	1.4	2.4	2.3	1.4			
54	3.0	2.6	1.4	2.3	2.3	1.4			
56	2.9	2.6	1.4	2.3	2.2	1.4			
58	2.9	2.5	1.4	2.2	2.1	1.3			
60	2.8	2.5	1.4	2.2	2.1	1.3			
62	2.8	2.5	1.4	2.0	2.0	1.3			
64	2.7	2.4	1.4	1.9	2.0	1.3			
66	2.6	2.4	1.4	1.8	1.9	1.3			
68	2.6	2.4	1.4	1.7	1.8	1.3			
70	2.4	2.3	1.4	1.6	1.7	1.3			
72	2.2	2.2	1.4	1.5	1.6	1.3			
74	1.8	2.1	1.3	1.4	1.5				
76	1.6	1.9		1.3	1.4				
78	1.4	1.7		1.2	1.2				
80	1.3	1.4		1.2	1.2				
82					0.8				
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			33-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K					
	29m	m	t	360°		





T	K
8.5	36m

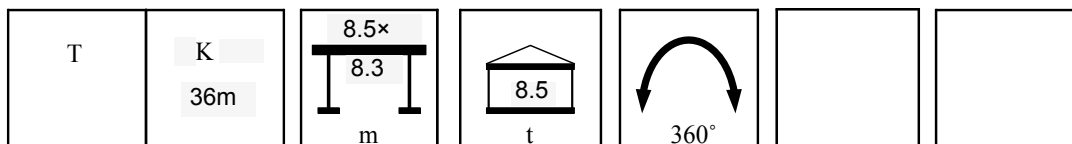
36m jib, 8.5t Counterweight

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	3.7			3.5					
16	3.7			3.5			3.2		
18	3.7			3.5			3.2		
20	3.7			3.5			3.2		
22	3.6			3.4			3.2		
24	3.5			3.3			3.2		
26	3.3			3.2			3.1		
28	3.2	2.5		3.1	2.5		2.5		
30	3.1	2.4		2.6	2.4		1.9	2.4	
32	2.5	2.3		2.1	2.3			2.3	
34	1.9	2.2		1.5	2.2			2.2	
36	1.3	2.1			2.2			2.1	
38		2.0	1.5		2.1	1.5		1.8	1.5
40		1.9	1.5		1.8	1.5		1.4	1.5
42		1.4	1.5		1.3	1.5			1.5
44		1.1	1.5			1.5			1.5
46			1.4			1.4			1.4
48			1.1			1.1			
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	-			-			64-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



T	K
8.5	36m

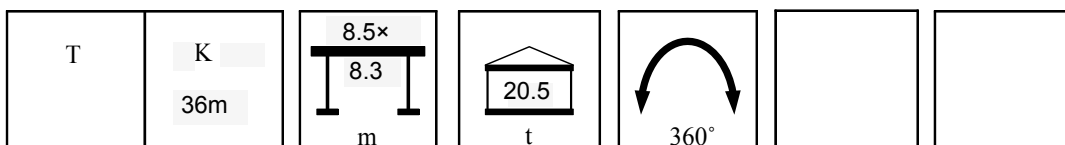
 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18	2.9								
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.2			1.3					
30	1.6			1.0					
32		2.1							
34		2.0							
36		1.9							
38		1.8							
40		1.3	1.4						
42			1.4						
44			1.4						
46			1.4						
48			1.0						
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	-			-					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			







T	K
20.5	36m

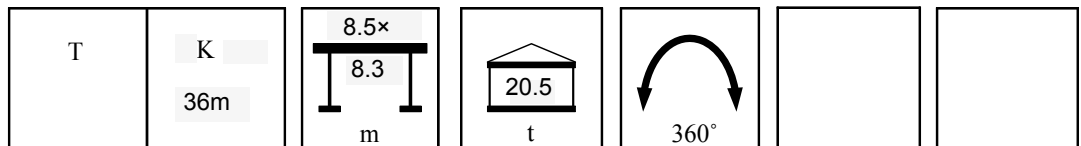
36m jib, 20.5t Counterweight

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	3.7			3.5					
16	3.7			3.5			3.2		
18	3.7			3.5			3.2		
20	3.7			3.5			3.2		
22	3.6			3.4			3.2		
24	3.5			3.3			3.2		
26	3.3			3.2			3.1		
28	3.2	2.5		3.1	2.5		3.0		
30	3.1	2.4		3.0	2.4		2.9	2.4	
32	3.0	2.3		2.9	2.3		2.9	2.3	
34	2.9	2.2		2.9	2.2		2.8	2.2	
36	2.8	2.1		2.8	2.2		2.3	2.1	
38	2.7	2.0	1.5	2.5	2.1	1.5	1.8	2.1	1.5
40	2.5	2.0	1.5	2.0	2.0	1.5	1.3	2.0	1.5
42	2.0	1.9	1.5	1.6	2.0	1.5		1.9	1.5
44	1.5	1.9	1.5	1.3	1.9	1.5		1.9	1.5
46	1.1	1.8	1.4		1.8	1.4		1.7	1.4
48		1.8	1.4		1.8	1.4		1.3	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	57-82			60-82			65-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	K
20.5	36m

 m	 $m < t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
50		1.5	1.4		1.4	1.4			1.4
52		1.1	1.4		1.0	1.4			1.4
54			1.4			1.4			1.2
56			1.1			1.0			
58			1.0						
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	57-82			60-82			65-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



T	K
20.5	36m





m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18	2.9								
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.8			1.7					
30	2.8			1.7					
32	2.7	2.1		1.7					
34	2.6	2.0		1.7					
36	2.0	1.9		1.4	1.5				
38	1.5	1.9		1.0	1.5				
40	1.3	1.9	1.4		1.5				
42		1.8	1.4		1.5				
44		1.8	1.4		1.5				
46		1.5	1.4		1.3	1.3			
48		1.1	1.4		1.0	1.3			
50			1.4			1.3			
52			1.4			1.3			
54			1.2			1.1			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	66-82			69-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

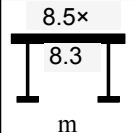
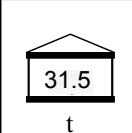
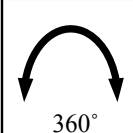
T	K	m	t	360°		
	36m					



T	K
31.5	36m





**36m jib, 31.5t Counterweight.**

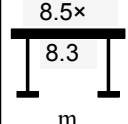
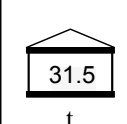

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	3.7			3.5					
16	3.7			3.5			3.2		
18	3.7			3.5			3.2		
20	3.7			3.5			3.2		
22	3.6			3.4			3.2		
24	3.5			3.3			3.2		
26	3.3			3.2			3.1		
28	3.2	2.5		3.1	2.5		3.0		
30	3.1	2.4		3.0	2.4		2.9	2.4	
32	3.0	2.3		2.9	2.3		2.9	2.3	
34	2.9	2.2		2.9	2.2		2.8	2.2	
36	2.9	2.1		2.8	2.2		2.7	2.1	
38	2.8	2.0	1.5	2.7	2.1	1.5	2.6	2.1	1.5
40	2.6	2.0	1.5	2.6	2.0	1.5	2.5	2.0	1.5
42	2.5	1.9	1.5	2.5	2.0	1.5	2.4	1.9	1.5
44	2.4	1.9	1.5	2.4	1.9	1.5	2.4	1.9	1.5
46	2.3	1.8	1.4	2.3	1.8	1.4	2.1	1.8	1.4
48	2.2	1.8	1.4	2.2	1.8	1.4	1.7	1.8	1.4
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	50-82			52-82			56-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

T	K					
	36m	m	t	360°		



T	K
31.5	36m





 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18	2.9								
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.8			1.7					
30	2.8			1.7					
32	2.7	2.1		1.7					
34	2.6	2.0		1.7					
36	2.5	1.9		1.7	1.5				
38	2.5	1.9		1.7	1.5				
40	2.4	1.9	1.4	1.7	1.5				
42	2.3	1.8	1.4	1.7	1.5	1.4			
44	2.2	1.8	1.4	1.7	1.5	1.4			
46	1.8	1.7	1.4	1.4	1.5	1.3			
48	1.4	1.7	1.4	1.1	1.5	1.3			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	60-82			62-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

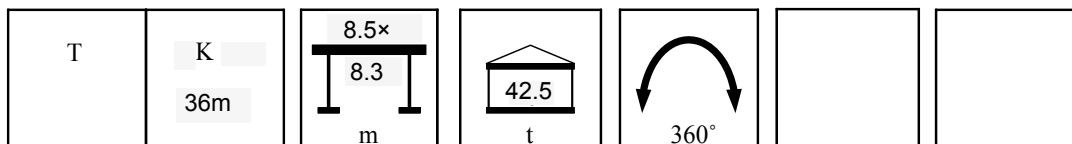
T	K					
	36m	m	t	360°		



T	K
42.5	36m

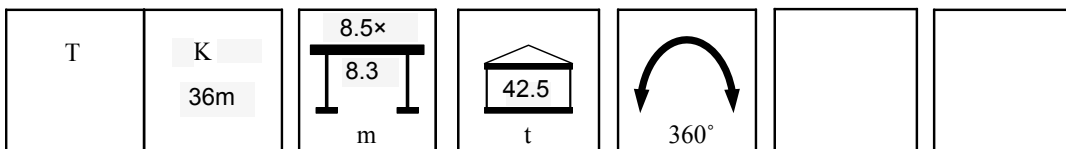
**36m jib, 42.5t Counterweight**

 m	 m > t									
	51.0			55.2			59.5			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	3.7			3.5						
16	3.7			3.5			3.2			
18	3.7			3.5			3.2			
20	3.7			3.5			3.2			
22	3.6			3.4			3.2			
24	3.5			3.3			3.2			
26	3.3			3.2			3.1			
28	3.2	2.5		3.1	2.5		3.0			
30	3.1	2.4		3.0	2.4		2.9	2.4		
32	3.0	2.3		2.9	2.3		2.9	2.3		
34	2.9	2.2		2.9	2.2		2.8	2.2		
36	2.9	2.1		2.8	2.2		2.7	2.1		
38	2.8	2.0	1.5	2.7	2.1	1.5	2.6	2.1	1.5	
40	2.6	2.0	1.5	2.6	2.0	1.5	2.5	2.0	1.5	
42	2.5	1.9	1.5	2.5	2.0	1.5	2.4	1.9	1.5	
44	2.4	1.9	1.5	2.4	1.9	1.5	2.4	1.9	1.5	
46	2.3	1.8	1.4	2.3	1.8	1.4	2.3	1.8	1.4	
48	2.2	1.8	1.4	2.2	1.8	1.4	2.2	1.8	1.4	
50	2.1	1.7	1.4	2.1	1.7	1.4	2.1	1.7	1.4	
n	1	1	1	1	1	1	1	1	1	
 %	2	92	92	92	92	92	92	92	92	
	3	92	92	92	92	92	92	92	92	
	4	92	92	92	92	92	92	92	92	
	5	46	46	46	92	92	92	92	92	92
	6	46	46	46	46	46	46	92	92	92
	7	46	46	46	46	46	46	46	46	46
Boom Angle(°)	39-82			46-82			50-82			
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
 m/s	9	9	9	9	9	9	9	9	9	



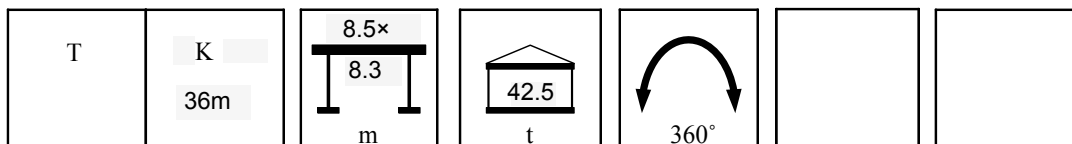
T	K
42.5	36m

m	$m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
52	2.0	1.7	1.4	2.0	1.7	1.4	2.0	1.7	1.4
54	1.9	1.6	1.4	2.0	1.6	1.4	2.0	1.6	1.4
56	1.8	1.6	1.4	1.9	1.6	1.4	1.7	1.6	1.4
58	1.7	1.5	1.4	1.8	1.6	1.4	1.4	1.6	1.4
60	1.6	1.5	1.4	1.5	1.5	1.4	1.1	1.5	1.4
62	1.3	1.4	1.4	1.1	1.5	1.4		1.5	1.4
64	1.0	1.4	1.4		1.5	1.4		1.4	1.4
66		1.3	1.4		1.3	1.4		1.1	1.4
68		1.0	1.3			1.4			1.3
70						1.0			1.0
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(° )	39-82			46-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	K
42.5	36m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18	2.9								
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.8			1.7					
30	2.8			1.7					
32	2.7	2.2		1.7					
34	2.6	2.1		1.7					
36	2.5	2.0		1.7	1.5				
38	2.5	2.0		1.7	1.5				
40	2.4	1.9	1.4	1.7	1.5				
42	2.3	1.9	1.4	1.7	1.5	1.4			
44	2.2	1.8	1.4	1.7	1.5	1.4			
46	2.2	1.8	1.4	1.7	1.5	1.4			
48	2.1	1.7	1.4	1.7	1.5	1.4			
50	2.0	1.7	1.4	1.7	1.5	1.4			
52	2.0	1.6	1.4	1.7	1.4	1.4			
54	1.8	1.6	1.4	1.5	1.4	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	47-82			52-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



# Load Capacity Tables of Jib

SAC2200S



T	K
42.5	36m





m	 $m > t$								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
56	1.5	1.6	1.4	1.3	1.4	1.4			
58	1.2	1.5	1.4	1.0	1.4	1.4			
60	1.0	1.5	1.4	0.9	1.4	1.4			
62		1.5	1.4		1.4	1.4			
64		1.4	1.4		1.3	1.4			
66		1.1	1.4		1.0	1.4			
68		1.0	1.4			1.3			
70			1.1			1.0			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	47-82			52-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

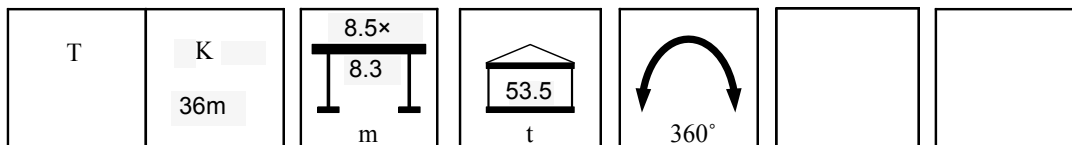
T	K	 8.5x 8.3 m	 42.5 t	 360°		
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T	K
53.5	36m

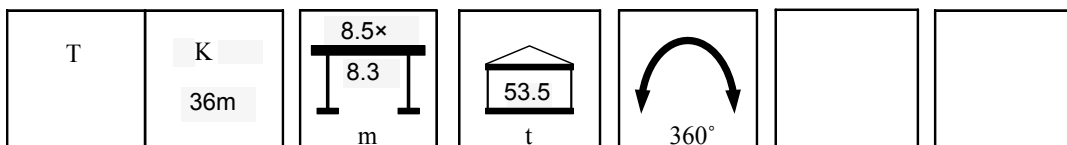
36m jib, 53.5t Counterweight

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	3.7			3.5					
16	3.7			3.5			3.2		
18	3.7			3.5			3.2		
20	3.7			3.5			3.2		
22	3.6			3.4			3.2		
24	3.5			3.3			3.2		
26	3.3			3.2			3.1		
28	3.2	2.5		3.1	2.5		3.0		
30	3.1	2.4		3.0	2.4		2.9	2.4	
32	3.0	2.3		2.9	2.3		2.9	2.3	
34	2.9	2.2		2.9	2.2		2.8	2.2	
36	2.9	2.1		2.8	2.2		2.7	2.1	
38	2.8	2.0	1.5	2.7	2.1	1.5	2.6	2.1	1.5
40	2.6	2.0	1.5	2.6	2.0	1.5	2.5	2.0	1.5
42	2.5	1.9	1.5	2.5	2.0	1.5	2.4	1.9	1.5
44	2.4	1.9	1.5	2.4	1.9	1.5	2.4	1.9	1.5
46	2.3	1.8	1.4	2.3	1.8	1.4	2.3	1.8	1.4
48	2.2	1.8	1.4	2.2	1.8	1.4	2.2	1.8	1.4
50	2.1	1.7	1.4	2.1	1.7	1.4	2.1	1.7	1.4
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			37-82			43-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9







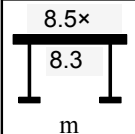
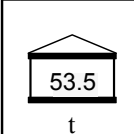
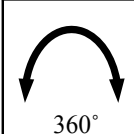
T	K
53.5	36m

m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
52	2.0	1.7	1.4	2.0	1.7	1.4	2.0	1.7	1.4
54	1.9	1.6	1.4	2.0	1.6	1.4	2.0	1.6	1.4
56	1.8	1.6	1.4	1.9	1.6	1.4	1.9	1.6	1.4
58	1.7	1.5	1.4	1.8	1.6	1.4	1.8	1.6	1.4
60	1.6	1.5	1.4	1.7	1.5	1.4	1.8	1.5	1.4
62	1.6	1.4	1.4	1.7	1.5	1.4	1.7	1.5	1.4
64	1.5	1.4	1.4	1.6	1.5	1.4	1.6	1.5	1.4
66	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4
68	1.4	1.4	1.4	1.4	1.4	1.4	1.1	1.4	1.4
70	1.3	1.4	1.4	1.1	1.4	1.4	1.0	1.4	1.4
72	1.0	1.4			1.4	1.4		1.2	1.4
74		1.2			1.1	1.3		1.0	1.2
76									
78									
n	2	2	1	2	2	1	2	2	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			37-82			43-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	K
53.5	36m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18	2.9								
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.8			1.7					
30	2.8			1.7					
32	2.7	2.2		1.7					
34	2.6	2.1		1.7					
36	2.5	2.0		1.7	1.5				
38	2.5	2.0		1.7	1.5				
40	2.4	1.9	1.4	1.7	1.5				
42	2.3	1.9	1.4	1.7	1.5	1.5			
44	2.2	1.8	1.4	1.7	1.5	1.5			
46	2.2	1.8	1.4	1.7	1.5	1.4			
48	2.1	1.7	1.4	1.7	1.5	1.4			
50	2.0	1.7	1.4	1.7	1.5	1.4			
52	2.0	1.6	1.4	1.7	1.4	1.4			
54	1.9	1.6	1.4	1.6	1.4	1.4			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	45-82			49-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

T	K					
	36m	m	t	360°		

Load Capacity Tables of Jib  
SAC2200S







T	K
53.5	36m

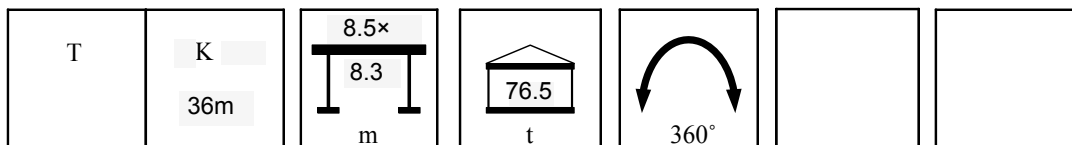
 m	 m > t							
	63.6			68.0				
	0°	20°	40°	0°	20°	40°		
56	1.8	1.6	1.4	1.6	1.4	1.4		
58	1.8	1.5	1.4	1.5	1.4	1.4		
60	1.7	1.5	1.4	1.5	1.4	1.4		
62	1.7	1.5	1.4	1.5	1.4	1.4		
64	1.4	1.5	1.4	1.2	1.4	1.4		
66	1.2	1.4	1.4	1.1	1.4	1.4		
68	1.0	1.4	1.4	0.9	1.4	1.3		
70	0.9	1.4	1.4		1.4	1.3		
72		1.3	1.4		1.2	1.3		
74		1.0	1.3			1.3		
76			1.1			1.1		
78			1.0			1.1		
n	1	1	1	1	1	1		
 %	2	92	92	92	100	100	100	
	3	92	92	92	100	100	100	
	4	92	92	92	100	100	100	
	5	92	92	92	100	100	100	
	6	92	92	92	100	100	100	
	7	92	92	92	100	100	100	
Boom Angle(° )	45-82			49-82				
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg		
 m/s	9	9	9	9	9	9		

T	K	 8.5x 8.3 m	 53.5 t	 360°		
	36m					

T	K
76.5	36m

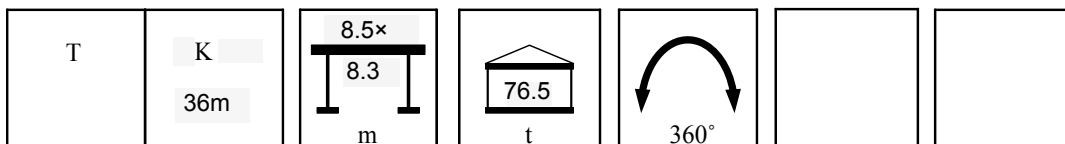
**36m jib, 76.5t Counterweight**

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	3.7			3.5					
16	3.7			3.5			3.2		
18	3.7			3.5			3.2		
20	3.7			3.5			3.2		
22	3.6			3.4			3.2		
24	3.5			3.3			3.2		
26	3.3			3.2			3.1		
28	3.2	2.5		3.1	2.5		3.0		
30	3.1	2.4		3.0	2.4		2.9	2.4	
32	3.0	2.3		2.9	2.3		2.9	2.3	
34	2.9	2.2		2.9	2.2		2.8	2.2	
36	2.9	2.1		2.8	2.2		2.7	2.1	
38	2.8	2.0	1.5	2.7	2.1	1.5	2.6	2.1	1.5
40	2.6	2.0	1.5	2.6	2.0	1.5	2.5	2.0	1.5
42	2.5	1.9	1.5	2.5	2.0	1.5	2.4	1.9	1.5
44	2.4	1.9	1.5	2.4	1.9	1.5	2.4	1.9	1.5
46	2.3	1.8	1.4	2.3	1.8	1.4	2.3	1.8	1.4
48	2.2	1.8	1.4	2.2	1.8	1.4	2.2	1.8	1.4
50	2.1	1.7	1.4	2.1	1.7	1.4	2.1	1.7	1.4
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	27-82			27-82			25-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



T	K
76.5	36m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
52	2.0	1.7	1.4	2.0	1.7	1.4	2.0	1.7	1.4
54	1.9	1.6	1.4	2.0	1.6	1.4	2.0	1.6	1.4
56	1.8	1.6	1.4	1.9	1.6	1.4	1.9	1.6	1.4
58	1.7	1.5	1.4	1.8	1.6	1.4	1.8	1.6	1.4
60	1.6	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4
62	1.6	1.4	1.4	1.7	1.5	1.4	1.7	1.5	1.4
64	1.5	1.4	1.4	1.7	1.5	1.4	1.7	1.5	1.4
66	1.4	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.4
68	1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.4	1.4
70	1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.4	1.4
72	1.4	1.4	0.0	1.4	1.4	1.4	1.5	1.4	1.4
74	1.4	1.4	0.0	1.4	1.4	1.4	1.5	1.4	1.4
76				1.4	1.4		1.4	1.4	1.4
78				1.4	1.4		1.4	1.4	
80				1.4			1.3	1.4	
82				1.3			1.1	1.3	
84									
86									
n	2	2	1	2	2	1	2	2	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	27-82			27-82			25-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9

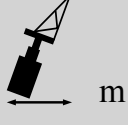





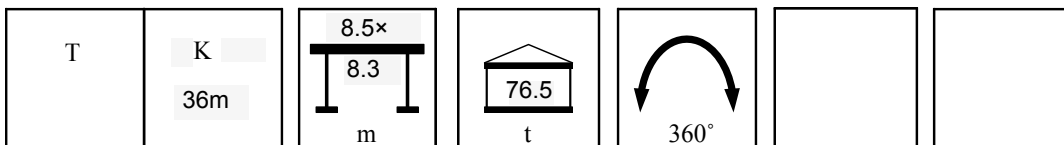
T	K
76.5	36m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18	2.9								
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.8			1.7					
30	2.8			1.7					
32	2.7	2.2		1.7					
34	2.6	2.1		1.7					
36	2.5	2.0		1.7	1.5				
38	2.5	2.0		1.7	1.5				
40	2.4	1.9	1.4	1.7	1.5				
42	2.3	1.9	1.4	1.7	1.5	1.5			
44	2.2	1.8	1.4	1.7	1.5	1.5			
46	2.2	1.8	1.4	1.7	1.5	1.4			
48	2.1	1.7	1.4	1.7	1.5	1.4			
50	2.0	1.7	1.4	1.7	1.5	1.4			
52	2.0	1.6	1.4	1.7	1.4	1.4			
54	1.9	1.6	1.4	1.6	1.4	1.4			
56	1.8	1.6	1.4	1.6	1.4	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			34-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	K					
	36m	m	t	360°		

T	K
76.5	36m





 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
58	1.8	1.5	1.4	1.5	1.4	1.4			
60	1.7	1.5	1.4	1.5	1.4	1.4			
62	1.7	1.5	1.4	1.5	1.4	1.4			
64	1.7	1.5	1.4	1.4	1.4	1.4			
66	1.6	1.4	1.4	1.4	1.4	1.4			
68	1.6	1.4	1.4	1.4	1.4	1.3			
70	1.5	1.4	1.4	1.3	1.4	1.3			
72	1.5	1.3	1.4	1.2	1.3	1.3			
74	1.5	1.3	1.4	1.1	1.2	1.3			
76	1.4	1.3	1.4	1.0	1.2	1.2			
78	1.4	1.3	1.4	0.9	1.1	1.2			
80	1.2	1.3	1.4		1.0	1.1			
82	1.0	1.3			0.9	0.9			
84									
86									
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			34-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

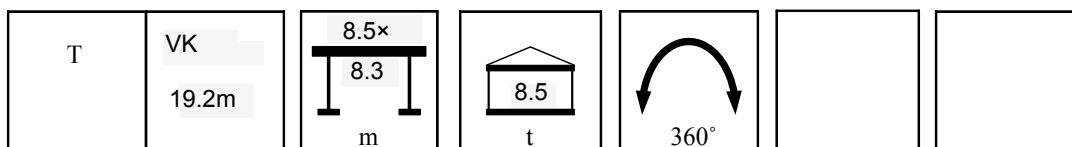




T	VK
8.5	19.2m

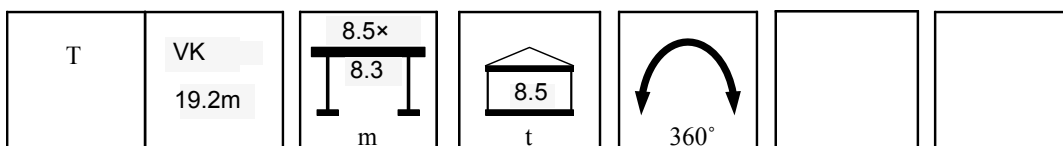
**19.2m Boom – extension and jib, 8.5t Counterweight.**

 m	 $m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	8.5			8.0					
12	8.5			8.0			7.3		
14	8.5			8.0			7.3		
16	8.5	7.0		8.0			7.3		
18	8.5	7.0	5.5	7.4	6.2		7.3	6.0	
20	8.0	7.0	5.5	6.8	6.2		5.9	6.0	
22	6.2	6.7	5.5	5.6	6.2	5.0	4.7	6.0	
24	4.7	5.5	5.5	4.5	5.5	5.0	3.6	4.8	
26	3.6	4.6	5.0	3.5	4.6	4.7	2.8	3.9	4.7
28	2.9	3.7	4.3	2.6	3.5	4.3	2.0	3.0	3.7
30	2.2	2.6	3.2	1.7	2.6	3.3	1.9	2.4	2.9
32	1.0	1.8	2.4	1.0	1.8	2.4	1.2	1.7	2.2
34		1.1	1.6		1.1	1.7		1.3	2.0
36						1.6			1.7
38						1.1			1.2
40									
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	57-82			60-82			62-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



T	VK
8.5	19.2m

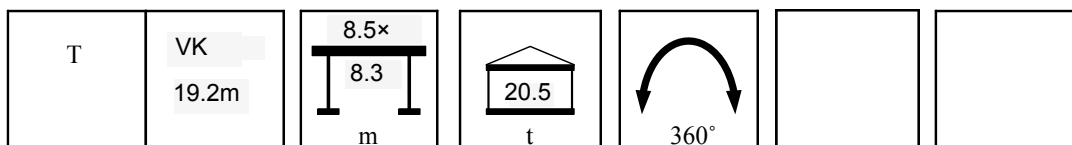
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
11									
12									
14	6.3								
16	6.3			5.0					
18	6.3	5.6		5.0					
20	5.6	5.6		5.0	5.0				
22	4.5	5.6		4.5	5.0				
24	3.5	4.8		3.5	4.7				
26	2.7	3.9	3.8	2.7	3.7	3.5			
28	2.0	3.0	3.8	2.0	2.9	3.5			
30		2.4	3.0		2.2	2.9			
32		1.7	2.3			2.2			
34		1.6	1.7			1.5			
36			1.5			1.3			
38			1.1			1.1			
40			1.0						
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	64-82			66-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



**19.2m Boom – extension and jib, 20.5t Counterweight**

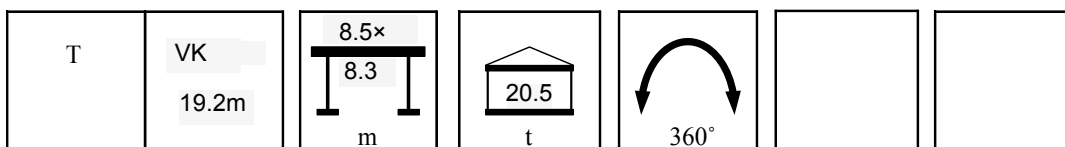
T	VK
20.5	19.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
11	9.0			8.6					
12	9.0			8.6			7.7		
14	9.0			8.6			7.7		
16	9.0	8.4		8.6			7.7		
18	9.0	8.4	7.2	8.6	8.1		7.7	7.6	
20	9.0	8.4	7.2	8.6	8.1		7.7	7.6	
22	9.0	8.4	7.2	8.6	8.1	6.5	7.7	7.6	
24	8.2	8.0	7.2	7.3	7.8	6.5	6.5	7.5	
26	7.0	7.7	7.2	6.3	7.2	6.5	5.4	7.3	6.8
28	5.9	6.8	6.9	5.3	6.2	6.5	4.5	5.4	5.9
30	4.8	5.6	6.2	4.5	5.2	5.6	3.6	4.5	5.1
32	3.9	4.6	5.2	3.7	4.5	5.0	2.9	3.7	4.3
34	3.0	3.7	4.2	3.0	3.7	4.2	2.3	3.0	3.6
36	2.3	3.0	3.4	2.3	3.0	3.4	1.7	2.4	2.9
38	1.7	2.3	2.6	1.7	2.3	2.7		1.9	2.3
40	1.2	1.7	2.0	1.2	1.7	2.0		1.3	1.7
42		1.1	1.4		1.2	1.5			
44						1.4			
46									
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	47-82			50-82			54-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
20.5	19.2m

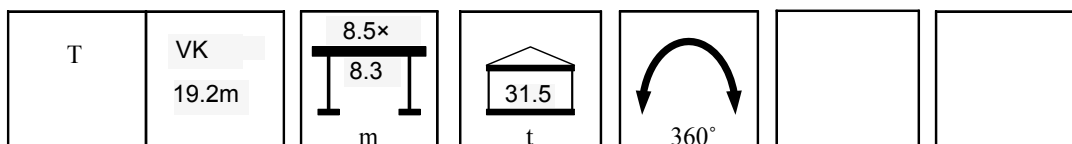
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
11									
12									
14	6.3			5.2					
16	6.3			5.2					
18	6.3	6.1		5.2					
20	6.3	6.1		5.2	5.0				
22	6.3	6.1		5.2	5.0				
24	6.3	6.1		5.2	4.7				
26	5.2	6.1	5.1	5.2	4.6	4.0			
28	4.4	5.2	5.1	4.4	4.6	4.0			
30	3.5	4.4	5.1	3.5	4.4	4.0			
32	2.9	3.6	4.3	2.9	3.6	4.0			
34	2.3	2.9	3.5	2.3	2.9	4.0			
36	1.7	2.4	2.9	1.7	2.4	4.0			
38	1.4	1.9	2.3		1.9	3.5			
40		1.4	1.8		1.4	2.9			
42			1.3			2.3			
44						1.8			
46						1.3			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	55-82			58-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



**19.2m Boom – extension and jib, 31.5t Counterweight**

T	VK
31.5	19.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
12	9.0			8.7			7.6		
14	9.0			8.7			7.6		
16	9.0			8.7			7.6		
18	9.0			8.7			7.6		
20	9.0	8.4		8.7			7.6		
22	9.0	8.4		8.7	8.1		7.6	7.5	
24	8.5	8.0		8.7	7.8		7.6	7.3	
26	8.2	7.7	7.2	8.7	7.6		7.4	7.0	
28	7.9	7.4	6.9	7.8	7.3	6.5	7.2	6.8	5.9
30	7.2	7.0	6.8	7.3	7.0	6.3	6.9	6.6	5.8
32	7.0	6.8	6.5	7.1	6.7	6.1	6.8	6.3	5.6
34	6.6	6.4	6.2	6.6	6.4	6.0	6.1	6.1	5.5
36	6.2	6.1	6.0	6.5	6.2	5.9	5.4	5.9	5.3
38	5.4	6.1	5.8	5.7	5.9	5.7	4.5	5.5	5.2
40	4.6	5.2	5.6	5.0	5.2	5.6	3.9	4.8	4.9
42	3.8	4.4	4.7	4.2	4.4	4.8	3.2	4.1	4.5
44	3.2	3.7	4.0	3.4	3.7	4.0	2.7	3.4	3.8
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			34-82			45-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



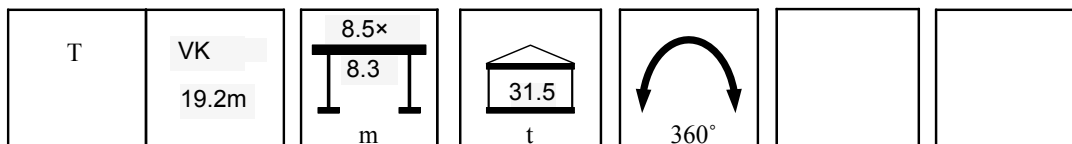
T	VK
31.5	19.2m

m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
46	2.6	3.0	3.3	3.1	3.0	3.3	2.2	2.9	3.2
48	2.0	2.4	2.6	2.6	2.5	2.7	1.7	2.5	2.7
50	1.6	1.9	2.0	2.1	1.9	2.1	1.4	2.0	2.2
52	1.1	1.4	1.5	1.6	1.4	1.6	0.9	1.5	1.7
54			1.3	1.3		1.1		1.1	1.3
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			34-82			45-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	VK 19.2m					
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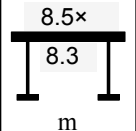
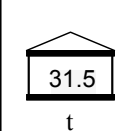
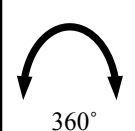
T	VK
31.5	19.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	6.3			4.9					
16	6.3			4.9					
18	6.3			4.9					
20	6.3			4.9	5.0				
22	6.3	6.1		4.9	5.0				
24	6.3	6.1		4.9	4.7				
26	6.3	6.1	5.6	4.9	4.6				
28	6.3	6.1	5.5	4.9	4.6				
30	6.3	5.9	5.3	4.9	4.5	4.0			
32	5.4	5.6	5.2	4.9	4.5	4.0			
34	4.7	5.4	5.0	4.7	4.4	4.0			
36	4.0	5.2	4.9	4.5	4.3	4.0			
38	3.4	4.7	4.8	4.3	4.2	3.9			
40	2.9	4.0	4.5	3.8	4.0	3.9			
42	2.4	3.4	3.9	3.4	3.4	3.9			
44	2.3	2.9	3.3	2.9	2.9	3.3			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	47-82			51-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



T	VK
31.5	19.2m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
46	1.8	2.5	2.8	2.4	2.5	2.8			
48	1.4	2.0	2.3	1.9	2.0	2.3			
50	1.1	1.6	1.8	1.5	1.6	1.8			
52		1.2	1.4	1.1	1.2	1.4			
54		1.0	1.0		1.1	1.0			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	47-82			51-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

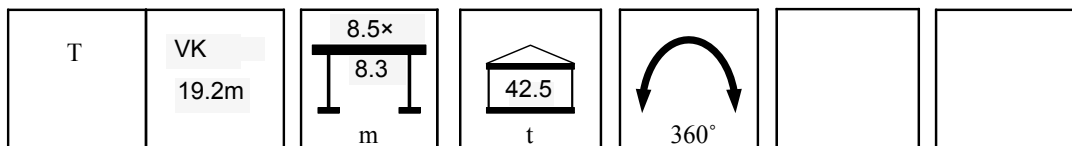
T	VK 19.2m					
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19.2m Boom – extension and jib, 42.5t Counterweight

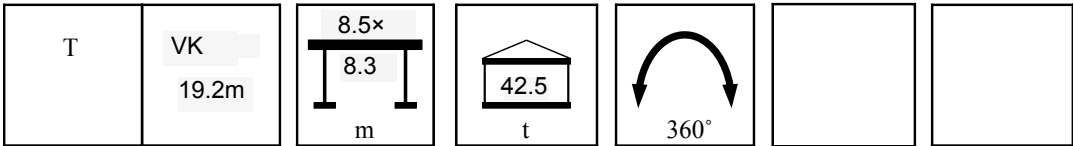
T	VK
42.5	19.2m

m	m > t									
	51.0			55.2			59.5			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	9.0						7.6			
16	9.0			8.9			7.6			
18	9.0			8.9			7.6			
20	9.0	8.4		8.9			7.6			
22	9.0	8.4		8.9	8.1		7.6	7.6		
24	8.5	8.0		8.7	7.8		7.6	7.5		
26	8.2	7.7	7.2	7.8	7.6		7.4	7.3		
28	7.9	7.4	6.9	7.3	7.3	6.5	7.2	7.0	6.3	
30	7.2	7.0	6.8	7.1	7.0	6.3	6.9	6.8	6.1	
32	7.0	6.8	6.5	6.6	6.7	6.1	6.8	6.6	5.9	
34	6.6	6.4	6.2	6.4	6.4	6.0	6.5	6.3	5.8	
36	6.2	6.1	6.0	5.9	6.2	5.9	6.2	6.1	5.6	
38	5.9	5.9	5.8	5.9	5.9	5.7	5.9	5.9	5.5	
40	5.6	5.6	5.6	5.5	5.7	5.5	5.3	5.2	5.3	
42	5.2	5.3	5.3	5.1	5.3	5.3	4.7	4.6	4.8	
44	5.1	4.9	5.1	4.4	4.9	5.1	4.1	3.9	4.2	
46	4.4	4.9	4.4	3.8	4.2	4.5	3.5	3.4	3.6	
48	3.8	4.2	3.7	3.2	3.6	3.8	2.9	2.9	3.0	
n	1	1	1	1	1	1	1	1	1	
%	2	92	92	92	92	92	92	92	92	
	3	92	92	92	92	92	92	92	92	
	4	92	92	92	92	92	92	92	92	
	5	46	46	46	92	92	92	92	92	92
	6	46	46	46	46	46	46	92	92	92
	7	46	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			28-82			34-82			
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
m/s	9	9	9	9	9	9	9	9	9	



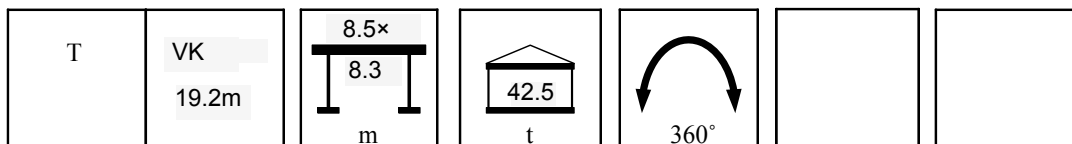
T	VK
42.5	19.2m

 m	 m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
50	3.3	3.6	3.1	2.7	3.1	3.2	2.5	2.4	2.6
52	2.7	3.0	2.6	2.3	2.6	2.7	2.1	2.0	2.1
54	2.3	2.5	2.1	1.8	2.1	2.2	1.7	1.6	1.7
56	1.8	2.0	1.7	1.4	1.6	1.7	1.3	1.2	1.3
58	1.4	1.6	1.4	1.1	1.2	1.3	1.0	1.1	1.2
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			28-82			34-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



T	VK
42.5	19.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
16	6.5								
18	6.5								
20	6.5			5.0					
22	6.5			5.0					
24	6.5	6.1		5.0					
26	6.5	6.1		5.0					
28	6.5	6.1		5.0	4.6				
30	6.3	6.1	5.6	4.9	4.5				
32	6.0	5.9	5.5	4.8	4.5				
34	5.8	5.6	5.3	4.7	4.4				
36	5.5	5.4	5.2	4.5	4.3	4.0			
38	5.3	5.2	5.0	4.3	4.2	3.9			
40	5.0	5.0	4.9	4.2	4.1	3.9			
42	4.4	4.6	4.8	4.1	4.0	3.8			
44	3.8	3.9	4.2	3.7	3.8	3.7			
46	3.2	3.4	3.6	3.2	3.6	3.6			
48	2.7	2.9	3.0	2.8	3.1	3.3			
50	2.5	2.4	2.6	2.3	2.7	2.9			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	40-82			43-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



T	VK
42.5	19.2m

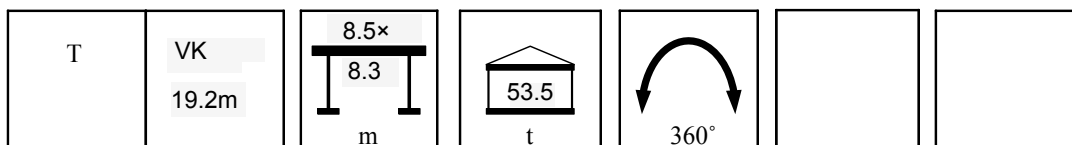
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
52	2.1	2.0	2.1	1.9	2.3	2.4			
54	1.7	1.6	1.7	1.6	1.9	2.0			
56	1.3	1.2	1.3	1.2	1.5	1.6			
58	1.0	1.1	1.2	1.0	1.1	1.3			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	40-82			43-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	VK 19.2m	m	t	360°		
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**19.2m Boom – extension and jib, 53.5t Counterweight**

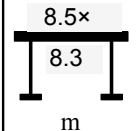
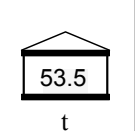
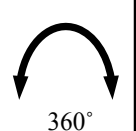
T	VK
53.5	36m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
12	9.0			8.7					
14	9.0			8.7			7.4		
16	9.0			8.7			7.4		
18	9.0			8.7			7.4		
20	9.0	8.4		8.7			7.4		
22	9.0	8.4		8.7	8.1		7.4	7.0	
24	8.5	8.0		8.7	7.8		7.4	7.0	
26	8.2	7.7	7.2	8.7	7.6		7.4	7.0	
28	7.9	7.4	6.9	7.8	7.3	6.5	7.2	7.0	6.3
30	7.2	7.0	6.8	7.3	7.0	6.3	6.9	6.8	6.1
32	7.0	6.8	6.5	7.1	6.7	6.1	6.8	6.6	5.9
34	6.6	6.4	6.2	6.6	6.4	6.0	6.5	6.3	5.8
36	6.2	6.1	6.0	6.4	6.2	5.9	6.2	6.1	5.6
38	5.9	5.9	5.8	5.9	5.9	5.7	5.9	5.9	5.5
40	5.6	5.6	5.6	5.9	5.7	5.5	5.8	5.6	5.3
42	5.2	5.3	5.3	5.5	5.3	5.3	5.5	5.4	5.2
44	4.9	4.9	5.0	5.1	5.0	5.1	5.2	5.2	5.0
46	4.6	4.8	4.9	4.9	5.0	5.0	4.8	5.0	5.0
48	4.4	4.4	4.6	4.6	4.7	4.8	4.3	4.8	4.8
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			23-82			24-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
53.5	19.2m

 m										
	51.0			55.2			59.5			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
50	4.0	4.3	4.3	4.4	4.5	4.5	3.7	4.6	4.3	
52	4.0	4.1	4.1	3.9	4.1	4.3	3.2	4.2	3.7	
54	3.5	3.8	3.8	3.4	4.0	4.1	2.9	3.6	3.2	
56	3.2	3.4	3.0	3.0	3.5	3.6	2.5	3.1	2.8	
58	2.8	2.9	2.4	2.5	2.9	3.1	2.1	2.7	2.5	
60	2.2	2.3	2.0	2.4	2.5	2.6	1.8	2.2	2.0	
62	1.7	1.8	1.8	2.0	2.4	2.2	1.5	1.7	1.9	
64					2.1	1.7	1.4	1.5	1.5	
n	1	1	1	1	1	1	1	1	1	
 %	2	92	92	92	92	92	92	92	92	
	3	92	92	92	92	92	92	92	92	
	4	92	92	92	92	92	92	92	92	
	5	46	46	46	92	92	92	92	92	
	6	46	46	46	46	46	46	92	92	
	7	46	46	46	46	46	46	46	46	
Boom Angle(°)		22-82			23-82			24-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
 m/s	9	9	9	9	9	9	9	9	9	

T	VK 19.2m					
		m	t	360°		

T	VK
53.5	19.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
16	6.3			5.0					
18	6.3			5.0					
20	6.3			5.0					
22	6.3			5.0					
24	6.3	6.1		5.0					
26	6.3	6.1		5.0					
28	6.3	6.1		5.0	4.6				
30	6.3	6.1	5.6	4.9	4.5				
32	6.3	5.9	5.5	4.8	4.5				
34	6.0	5.6	5.3	4.7	4.4				
36	5.8	5.4	5.2	4.5	4.3	4.0			
38	5.5	5.2	5.0	4.3	4.2	3.9			
40	5.3	5.0	4.9	4.2	4.1	3.9			
42	5.0	4.8	4.8	4.1	4.0	3.8			
44	4.8	4.6	4.6	3.9	3.8	3.7			
46	4.4	4.3	4.4	3.7	3.7	3.6			
48	3.9	4.1	4.2	3.5	3.5	3.5			
50	3.4	3.8	4.0	3.4	3.4	3.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	29-82			36-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	VK 19.2m					
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T	VK
53.5	19.2m

m		m > < t										
		63.6			68.0							
		0°	20°	40°	0°	20°	40°					
52		2.9	3.3	3.5	2.9	3.2	3.3					
54		2.6	2.9	3.0	2.6	2.9	3.2					
56		2.2	2.6	2.7	2.2	2.5	3.1					
58		1.9	2.2	2.2	1.9	2.1	3.0					
60		1.5	1.8	1.8	1.5	1.8	2.7					
62		1.3	1.5	1.5	1.3	1.5	2.2					
64		1.0	1.2	1.1	1.0	1.1	1.8					
n		1	1	1	1	1	1					
%		2	92	92	92	100	100	100				
		3	92	92	92	100	100	100				
		4	92	92	92	100	100	100				
		5	92	92	92	100	100	100				
		6	92	92	92	100	100	100				
		7	92	92	92	100	100	100				
Boom Angle(° )		29-82			36-82							
Hook Weight		447Kg	447Kg	447Kg	447Kg	447Kg	447Kg					
m/s		9	9	9	9	9	9					

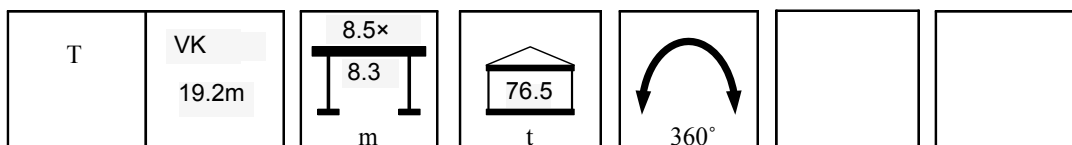
T	VK 19.2m					
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**19.2m Boom – extension and jib, 76.5t Counterweight**

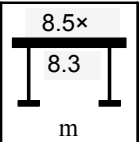
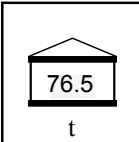
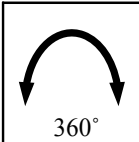
T	VK
76.5	19.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
12	9.0			8.7			7.4		
14	9.0			8.7			7.4		
16	9.0	8.4		8.7			7.4		
18	9.0	8.4		8.7			7.4	7.0	
20	9.0	8.4		8.7	8.1		7.4	7.0	
22	9.0	8.4	7.2	8.7	8.1		7.4	7.0	6.3
24	8.5	8.0	7.2	8.7	7.8	6.8	7.4	7.0	6.3
26	8.2	7.7	7.2	8.7	7.6	6.6	7.4	7.0	6.3
28	7.9	7.4	6.9	7.8	7.3	6.6	7.2	7.0	6.3
30	7.2	7.0	6.8	7.3	7.0	6.5	6.9	6.8	6.1
32	7.0	6.8	6.5	7.1	6.7	6.3	6.8	6.6	5.9
34	6.6	6.4	6.2	6.6	6.4	6.1	6.5	6.3	5.8
36	6.2	6.1	6.0	6.4	6.2	6.0	6.2	6.1	5.6
38	5.9	5.9	5.8	5.9	5.9	5.9	5.9	5.9	5.5
40	5.6	5.6	5.6	5.9	5.7	5.7	5.8	5.6	5.3
42	5.2	5.3	5.3	5.5	5.3	5.5	5.5	5.4	5.2
44	4.9	4.9	5.0	5.1	5.0	5.3	5.2	5.2	5.0
46	4.6	4.8	4.9	4.9	5.0	5.1	5.0	5.0	5.0
48	4.4	4.4	4.6	4.6	4.7	5.0	4.8	4.8	4.8
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			23-82			24-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
76.5	19.2m

 m	 m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
50	4.0	4.3	4.3	4.4	4.5	4.8	4.6	4.6	4.6
52	4.0	4.1	4.1	4.2	4.1	4.5	4.3	4.3	4.4
54	3.6	3.8	3.9	4.2	4.1	4.3	4.1	4.1	4.2
56	3.4	3.5	3.4	3.8	3.9	4.1	4.0	4.0	4.1
58	3.1	3.2	3.0	3.6	3.6	3.9	3.6	3.8	3.9
60	2.8	3.0	2.8	3.5	3.3	3.6	3.1	3.2	3.5
62	2.6	2.6	2.5	3.0	3.3	3.4	2.9	3.0	3.2
64			2.0	2.5	3.2	3.3	2.5	2.6	2.8
66				2.0	2.8	2.9	2.3	2.4	2.5
68						2.0		2.2	2.3
70								1.9	2.0
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	22-82			23-82			24-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

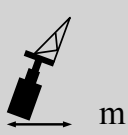



T	VK					
	19.2m					

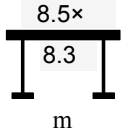
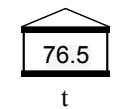

T	VK
76.5	19.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	6.3								
16	6.3			5.0					
18	6.3			5.0					
20	6.3	6.1		5.0					
22	6.3	6.1		5.0					
24	6.3	6.1	5.9	5.0					
26	6.3	6.1	5.8	5.0	4.6				
28	6.3	6.1	5.7	5.0	4.6				
30	6.3	6.1	5.6	4.9	4.5	4.1			
32	6.3	5.9	5.5	4.8	4.5	4.1			
34	6.0	5.6	5.3	4.7	4.4	4.1			
36	5.8	5.4	5.2	4.5	4.3	4.0			
38	5.5	5.2	5.0	4.3	4.2	3.9			
40	5.3	5.0	4.9	4.2	4.1	3.9			
42	5.0	4.8	4.8	4.1	4.0	3.8			
44	4.8	4.6	4.6	3.9	3.8	3.7			
46	4.4	4.3	4.4	3.7	3.7	3.6			
48	4.1	4.1	4.2	3.5	3.5	3.5			
50	3.9	4.0	4.1	3.4	3.4	3.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	29-82			35-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	VK 19.2m					
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T	VK
76.5	19.2m

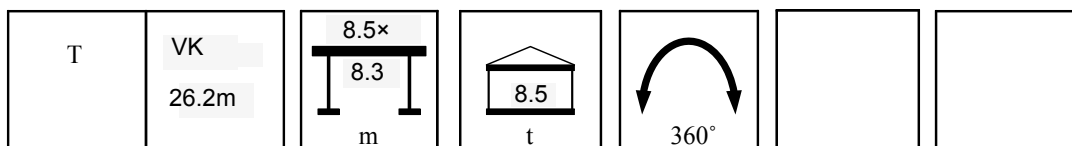
 m		 m > t								
		63.6			68.0					
		0°	20°	40°	0°	20°	40°			
52		3.7	3.8	3.8	3.2	3.2	3.3			
54		3.5	3.6	3.6	3.1	3.2	3.2			
56		3.3	3.4	3.4	2.9	3.0	3.1			
58		3.2	3.2	3.2	2.8	2.9	3.0			
60		3.0	3.1	3.1	2.6	2.7	2.8			
62		2.8	2.9	2.9	2.4	2.5	2.6			
64		2.5	2.7	2.7	2.3	2.4	2.5			
66		2.3	2.3	2.4	2.2	2.3	2.3			
68		2.0	2.1	2.1	2.1	2.2	2.2			
70		1.7	1.8	1.9	1.8	2.0	2.1			
n		1	1	1	1	1	1			
 %		2	92	92	92	100	100	100		
		3	92	92	92	100	100	100		
		4	92	92	92	100	100	100		
		5	92	92	92	100	100	100		
		6	92	92	92	100	100	100		
		7	92	92	92	100	100	100		
Boom Angle (° )		29-82			35-82					
Hook Weight		447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s		9	9	9	9	9	9			

T	VK	 m	 t	 360°		
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**26.2m Boom – extension and jib, 8.5t Counterweight**

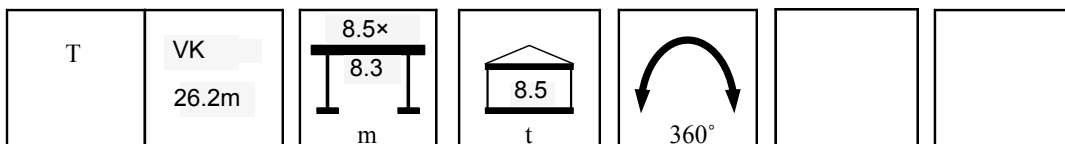
T	VK
8.5	26.2m

 m	 m > t									
	51.0			55.2			59.5			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
11	6.5									
12	6.5						5.8			
14	6.5						5.8			
16	6.5			6.4			5.8			
18	6.5			6.4			5.8			
20	6.5			6.4			5.8			
22	6.2			6.4			5.8			
24	6.0	5.8		6.3			5.7			
26	5.1	5.6		5.4	5.2		5.1	5.1		
28	4.2	5.4		4.3	5.0		4.0	5.0		
30	3.6	5.2	4.3	3.4	4.8		3.6	5.0		
32	3.5	5.0	4.3	2.8	4.8	4.2	3.2	4.6	4.3	
34	2.6	4.9	4.2	2.0	4.1	4.1	2.6	3.8	4.2	
36	1.9	4.1	4.2	1.8	3.3	4.0	1.9	3.0	3.9	
38	1.3	3.3	3.6	1.2	2.8	3.5	1.3	2.5	3.2	
40		2.5	2.8		2.2	2.8		2.1	2.6	
42		1.9	2.1		1.7	2.1		1.6	2.0	
44		1.3	1.5		1.1	1.5			1.4	
n	1	1	1	1	1	1	1	1	1	
 %	2	92	92	92	92	92	92	92	92	
	3	92	92	92	92	92	92	92	92	
	4	92	92	92	92	92	92	92	92	
	5	46	46	46	92	92	92	92	92	92
	6	46	46	46	46	46	46	92	92	92
	7	46	46	46	46	46	46	46	46	46
Boom Angle(°)	60-82			63-82			67-82			
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
 m/s	9	9	9	9	9	9	9	9	9	



T	VK
8.5	26.2m

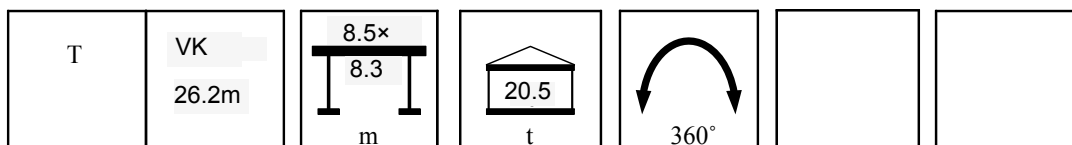
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	5.0			4.1					
18	5.0			4.1					
20	5.0			4.1					
22	5.0			4.1	5.0				
24	4.5			3.7	4.8				
26	3.7	4.5		3.0	4.0				
28	2.9	4.5		2.4	3.2				
30	2.1	4.2		1.7	2.6				
32	1.7	3.4	4.0	1.4	2.0				
34		2.8	4.0	1.2	1.5	4.0			
36		2.2	3.8			3.7			
38		1.6	3.1			3.0			
40			2.5			2.4			
42			1.9			1.6			
44			1.4			1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	69-82			70-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



26.2m Boom – extension and jib, 20.5t Counterweight

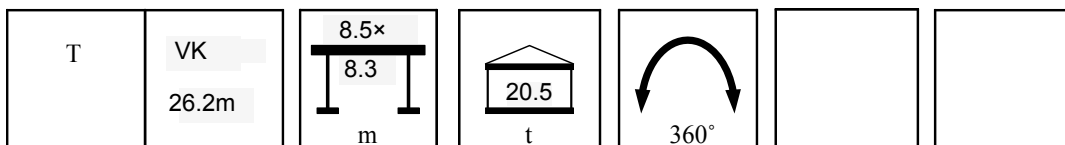
T	VK
20.5	26.2m

m	m > t									
	51.0			55.2			59.5			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	6.5									
14	6.5			6.3			5.8			
16	6.5			6.3			5.8			
18	6.5			6.3			5.8			
20	6.5			6.3			5.8			
22	6.5			6.3			5.7			
24	6.2	5.8		6.3	5.2		5.7			
26	6.1	5.6		6.2	5.0		5.6	5.1		
28	6.0	5.4		5.8	4.8		5.5	5.0		
30	5.7	5.2		5.5	4.8		4.9	5.0		
32	5.6	5.0	4.3	4.9	4.8		4.1	4.9		
34	5.3	4.9	4.2	4.2	4.6	4.2	3.4	4.7	4.3	
36	4.6	4.7	4.2	3.6	4.5	4.1	2.9	4.6	4.2	
38	3.9	4.6	4.2	3.0	4.1	4.1	2.3	4.1	4.2	
40	3.2	4.4	4.1	2.4	3.5	4.1	1.8	3.4	4.1	
42	2.5	4.3	4.1	1.9	2.9	4.1	1.3	2.9	4.1	
44	2.0	4.2	4.1	1.4	2.5	4.1		2.4	3.8	
46	1.5	3.5	3.7		2.1	3.7		1.9	3.2	
48	1.0	2.9	3.0		1.6	3.0		1.4	2.7	
50		2.3	2.4		1.2	2.4			2.1	
52		1.8	1.9			1.9			1.6	
54		1.3	1.4			1.4			1.2	
n	1	1	1	1	1	1	1	1	1	
%	2	92	92	92	92	92	92	92	92	
	3	92	92	92	92	92	92	92	92	
	4	92	92	92	92	92	92	92	92	
	5	46	46	46	92	92	92	92	92	92
	6	46	46	46	46	46	46	92	92	92
	7	46	46	46	46	46	46	46	46	46
Boom Angle(°)	50-82			55-82			60-82			
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
m/s	9	9	9	9	9	9	9	9	9	



T	VK
20.5	26.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14	5.0								
16	5.0			4.1					
18	5.0			4.1					
20	5.0			4.1					
22	5.0			4.1					
24	5.0			4.1					
26	5.0			4.1					
28	4.7	4.6		4.1					
30	3.9	4.5	4.1	3.9	4.0				
32	3.2	4.5	4.1	3.2	4.0				
34	2.7	4.4	4.1	2.7	3.9				
36	2.1	4.2	4.0	2.1	3.8	4.0			
38	1.6	3.5	3.7	1.6	3.3	3.9			
40	1.4	2.9	3.1		2.8	3.6			
42		2.5	2.6		2.3	3.6			
44		2.0	2.1		1.8	3.1			
46		1.5	1.6		1.4	2.6			
48		1.1	1.2			2.1			
50						1.6			
52						1.2			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	62-82			64-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

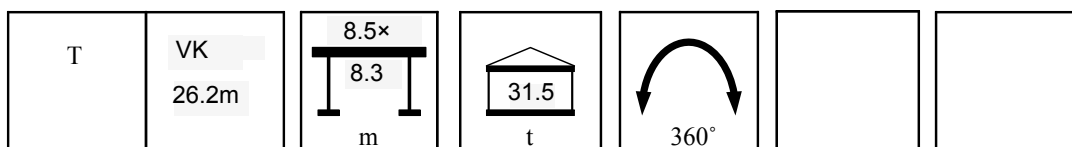




**26.2m Boom – extension and jib, 31.5t Counterweight**

T	VK
31.5	26.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
12									
14	6.5			6.3			5.8		
16	6.5			6.3			5.8		
18	6.5			6.3			5.8		
20	6.5			6.3			5.8		
22	6.5			6.3			5.7		
24	6.2	5.8		6.3			5.7		
26	6.1	5.6		6.2			5.6	5.1	
28	6.0	5.4		5.8	5.0		5.5	5.0	
30	5.7	5.2		5.5	4.8		5.4	5.0	
32	5.6	5.0	4.3	5.5	4.8		5.3	4.9	
34	5.3	4.9	4.3	5.2	4.8	4.4	5.1	4.7	4.4
36	5.1	4.7	4.3	5.1	4.6	4.4	5.0	4.6	4.3
38	4.9	4.6	4.3	4.8	4.5	4.2	4.6	4.5	4.2
40	4.8	4.4	4.1	4.8	4.4	4.2	3.9	4.3	4.1
42	4.5	4.3	4.1	4.6	4.2	4.1	3.4	4.2	4.1
44	4.3	4.2	4.1	4.0	4.2	4.1	2.9	3.9	4.0
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	41-82			45-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9







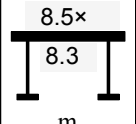
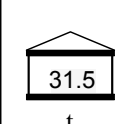

T	VK
31.5	26.2m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
46	4.0	4.1	4.1	3.5	4.1	4.1	2.5	3.3	4.0
48	3.4	3.9	4.0	2.9	3.9	4.0	2.0	2.9	3.9
50	2.8	3.7	3.8	2.5	3.9	3.9	1.6	2.4	3.8
52	2.3	3.6	3.7	2.1	3.6	3.7	1.3	2.0	3.5
54	1.9	3.3	3.5	1.7	2.9	3.6		1.6	2.9
56	1.5	2.8	3.0	1.4	2.5	3.0		1.3	2.5
58	1.1	2.3	2.5	1.0	2.0	2.5		1.0	2.1
60		1.9	1.9		1.5	2.0			1.6
62		1.5	1.5		1.2	1.5			1.2
64		1.0	1.0			1.1			
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	41-82			45-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

T	VK 26.2m	 8.5× 8.3 m	 31.5 t	 360°		
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T	VK
31.5	26.2m

 m	 m > t						
	63.6			68.0			
	0°	20°	40°	0°	20°	40°	
14							
16	5.0			4.1			
18	5.0			4.1			
20	5.0			4.1			
22	5.0			4.1			
24	5.0			4.1			
26	5.0			4.1			
28	5.0	4.6		4.1			
30	4.9	4.5		4.1	4.0		
32	4.8	4.5		4.1	4.0		
34	4.7	4.4		4.1	3.9		
36	4.4	4.3	4.0	4.0	3.8	3.6	
38	3.8	4.2	3.9	3.8	3.7	3.6	
40	3.2	4.1	3.9	3.2	3.7	3.6	
42	2.8	3.9	3.8	2.8	3.6	3.5	
44	2.3	3.4	3.7	2.3	3.5	3.5	
n	1	1	1	1	1	1	
 %	2	92	92	92	100	100	100
	3	92	92	92	100	100	100
	4	92	92	92	100	100	100
	5	92	92	92	100	100	100
	6	92	92	92	100	100	100
	7	92	92	92	100	100	100
Boom Angle(°)	52-82			55-82			
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
 m/s	9	9	9	9	9	9	

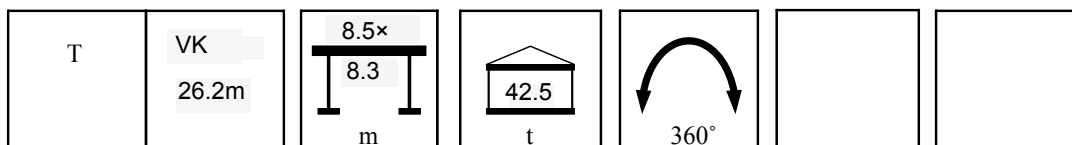
T	VK 26.2m					
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**26.2m Boom – extension and jib, 42.5t Counterweight**

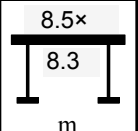
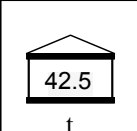
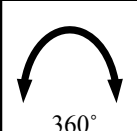
T	VK
42.5	26.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	6.5			6.3			5.8		
16	6.5			6.3			5.8		
18	6.5			6.3			5.8		
20	6.5			6.3			5.8		
22	6.5			6.3			5.7		
24	6.2	5.8		6.3			5.7		
26	6.1	5.6		6.2	5.2		5.6	5.1	
28	6.0	5.4		5.8	5.0		5.5	5.0	
30	5.7	5.2		5.5	4.8		5.4	5.0	
32	5.6	5.0	4.3	5.5	4.8		5.3	4.9	
34	5.3	4.9	4.3	5.2	4.8	4.4	5.1	4.7	4.4
36	5.1	4.7	4.3	5.1	4.6	4.4	5.0	4.6	4.3
38	4.9	4.6	4.3	4.8	4.5	4.2	4.9	4.5	4.2
40	4.8	4.4	4.1	4.8	4.4	4.2	4.7	4.3	4.1
42	4.5	4.3	4.1	4.6	4.2	4.1	4.6	4.2	4.1
44	4.3	4.2	4.1	4.4	4.2	4.1	4.4	4.1	4.0
46	4.1	4.1	4.1	4.2	4.1	4.1	4.0	4.1	4.0
48	3.9	3.9	4.0	4.0	3.9	4.0	3.5	4.0	3.9
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			35-82			40-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
42.5	26.2m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
50	3.6	3.7	3.8	3.8	3.9	3.9	3.1	3.8	3.8
52	3.5	3.6	3.7	3.4	3.7	3.7	2.7	3.7	3.7
54	3.0	3.3	3.5	2.9	3.4	3.6	2.3	3.4	3.6
56	2.6	3.2	3.3	2.5	3.3	3.5	1.9	2.9	3.5
58	2.2	3.0	3.2	2.1	2.9	3.3	1.6	2.5	3.3
60	1.8	3.0	2.9	1.7	2.6	3.2	1.2	2.1	2.9
62	1.5	2.7	2.4	1.4	2.2	3.0	1.0	1.7	2.4
64	1.1	2.1	2.0	1.0	1.8	2.5		1.4	2.0
66		1.7	1.6		1.4	1.9		1.1	1.6
68		1.4	1.3		1.1	1.4			1.2
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			35-82			40-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

T	VK	 8.5x 8.3 m	 42.5 t	 360°		
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T	VK
42.5	26.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
16	5.0			4.1					
18	5.0			4.1					
20	5.0			4.1					
22	5.0			4.1					
24	5.0			4.1					
26	5.0			4.1					
28	5.0	4.6		4.1	4.0				
30	4.9	4.5		4.1	4.0				
32	4.8	4.5		4.1	4.0				
34	4.7	4.4		4.1	3.9				
36	4.5	4.3	4.0	4.0	3.8	3.6			
38	4.3	4.2	3.9	3.9	3.7	3.6			
40	4.2	4.1	3.9	3.8	3.7	3.6			
42	4.1	4.0	3.8	3.7	3.6	3.5			
44	3.9	3.8	3.7	3.7	3.5	3.5			
46	3.7	3.7	3.6	3.5	3.4	3.4			
48	3.3	3.5	3.5	3.2	3.3	3.3			
50	2.9	3.4	3.4	2.7	3.3	3.2			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	44-82			48-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	VK 26.2m	m	t	360°		
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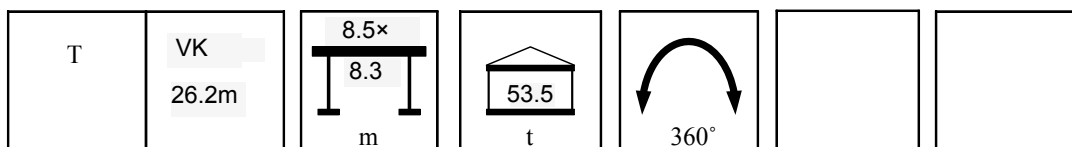








**26.2m Boom – extension and jib, 53.5t Counterweight**

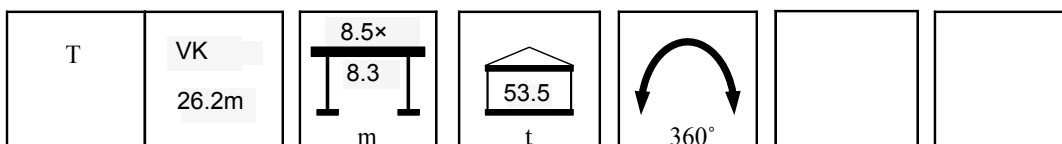
T	VK
53.5	26.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	6.5			6.3			5.8		
16	6.5			6.3			5.8		
18	6.5			6.3			5.8		
20	6.5			6.3			5.8		
22	6.5			6.3			5.7		
24	6.2	5.8		6.3			5.7		
26	6.1	5.6		6.2	5.2		5.6	5.1	
28	6.0	5.4	4.3	5.8	5.0		5.5	5.0	
30	5.7	5.2	4.3	5.5	4.8		5.4	5.0	
32	5.6	5.0	4.3	5.5	4.8	4.4	5.3	4.9	
34	5.3	4.9	4.3	5.2	4.8	4.4	5.1	4.7	4.4
36	5.1	4.7	4.3	5.1	4.6	4.4	5.0	4.6	4.3
38	4.9	4.6	4.3	4.8	4.5	4.2	4.9	4.5	4.2
40	4.8	4.4	4.1	4.8	4.4	4.2	4.7	4.3	4.1
42	4.5	4.3	4.1	4.6	4.2	4.1	4.6	4.2	4.1
44	4.3	4.2	4.1	4.4	4.2	4.1	4.4	4.1	4.0
46	4.1	4.1	4.1	4.2	4.1	4.1	4.2	4.1	4.0
48	3.9	3.9	4.0	4.0	3.9	4.0	4.1	4.0	3.9
50	3.6	3.7	3.8	3.8	3.9	3.9	4.0	3.8	3.8
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			29-82			33-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
53.5	26.2m

 m	 $m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
52	3.6	3.6	3.7	3.8	3.7	3.7	3.8	3.7	3.7
54	3.3	3.3	3.5	3.6	3.4	3.6	3.4	3.6	3.6
56	3.1	3.2	3.3	3.3	3.4	3.5	2.9	3.4	3.5
58	2.9	3.0	3.2	3.2	3.2	3.3	2.7	3.3	3.3
60	2.5	3.0	3.0	3.0	3.2	3.2	2.3	3.2	3.2
62	2.3	2.8	2.7	2.6	2.9	3.1	2.0	3.1	3.2
64	2.0	2.5	2.4	2.2	2.8	2.8	1.6	2.7	3.0
66		2.4	2.0	1.9	2.5	2.4	1.2	2.1	2.7
68		2.2	1.8	1.6	2.1	2.0	1.1	1.6	2.0
70					1.6			1.1	1.4
72					1.3			0.8	
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			29-82			33-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



T	VK
53.5	26.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
16	5.0			4.1					
18	5.0			4.1					
20	5.0			4.1					
22	5.0			4.1					
24	5.0			4.1					
26	5.0			4.1					
28	5.0	4.6		4.1	4.0				
30	4.9	4.5		4.1	4.0				
32	4.8	4.5		4.1	4.0				
34	4.7	4.4		4.1	3.9				
36	4.5	4.3	4.0	4.0	3.8	3.6			
38	4.3	4.2	3.9	3.9	3.7	3.6			
40	4.2	4.1	3.9	3.8	3.7	3.6			
42	4.1	4.0	3.8	3.7	3.6	3.5			
44	3.9	3.8	3.7	3.7	3.5	3.5			
46	3.7	3.7	3.6	3.5	3.4	3.4			
48	3.5	3.5	3.5	3.4	3.3	3.3			
50	3.4	3.4	3.4	3.2	3.3	3.2			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	35-82			40-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	VK 26.2m					
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T	VK
53.5	26.2m

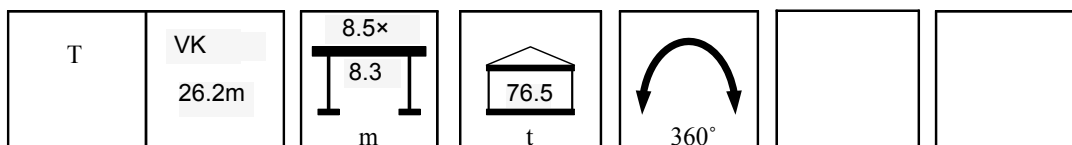
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
52	3.2	3.2	3.3	3.2	3.2	3.2			
54	3.1	3.2	3.2	3.0	3.0	3.1			
56	2.7	3.0	3.1	2.6	2.9	3.0			
58	2.4	2.9	3.0	2.3	2.8	2.9			
60	2.0	2.7	2.8	1.9	2.6	2.7			
62	1.6	2.5	2.6	1.6	2.5	2.6			
64	1.3	2.1	2.5	1.3	2.0	2.4			
66	1.1	1.7	2.1	1.1	1.7	2.1			
68	0.9	1.4	1.7	0.9	1.3	1.7			
70		1.0	1.4		1.0	1.4			
72		0.8	1.0		0.9	1.0			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	35-82			40-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	VK 26.2m					
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**26.2m Boom – extension and jib, 76.5t Counterweight**

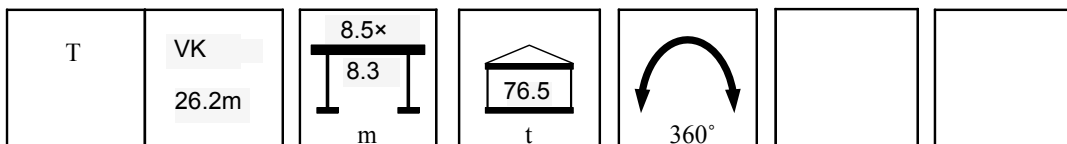
T	VK
76.5	26.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	6.5			6.3			5.8		
16	6.5			6.3			5.8		
18	6.5			6.3			5.8		
20	6.5			6.3			5.8		
22	6.5	5.8		6.3			5.7		
24	6.2	5.8		6.3	5.3		5.7	5.2	
26	6.1	5.6	4.3	6.2	5.2		5.6	5.1	
28	6.0	5.4	4.3	5.8	5.0		5.5	5.0	4.4
30	5.7	5.2	4.3	5.5	4.8		5.4	5.0	4.4
32	5.6	5.0	4.3	5.5	4.8	4.4	5.3	4.9	4.4
34	5.3	4.9	4.3	5.2	4.8	4.4	5.1	4.7	4.4
36	5.1	4.7	4.3	5.1	4.6	4.4	5.0	4.6	4.4
38	4.9	4.6	4.3	4.8	4.5	4.2	4.9	4.5	4.2
40	4.8	4.4	4.1	4.8	4.4	4.2	4.7	4.3	4.1
42	4.5	4.3	4.1	4.6	4.2	4.1	4.6	4.2	4.1
44	4.3	4.2	4.1	4.4	4.2	4.1	4.4	4.1	4.0
46	4.1	4.1	4.1	4.2	4.1	4.1	4.2	4.1	4.0
48	3.9	3.9	4.0	4.0	3.9	4.0	4.1	4.0	3.9
50	3.6	3.7	3.8	3.8	3.9	3.9	4.0	3.8	3.8
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	25-82			29-82			30-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



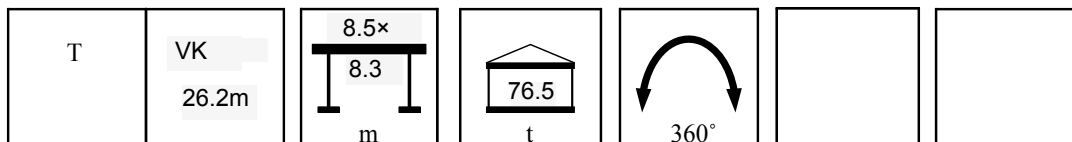
T	VK
76.5	26.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
52	3.6	3.6	3.7	3.8	3.7	3.7	3.8	3.7	3.7
54	3.3	3.3	3.5	3.6	3.4	3.6	3.6	3.6	3.6
56	3.1	3.2	3.3	3.3	3.4	3.5	3.4	3.4	3.5
58	2.9	3.0	3.2	3.2	3.2	3.3	3.3	3.3	3.3
60	2.5	3.0	3.0	3.2	3.2	3.2	3.2	3.2	3.2
62	2.4	2.8	2.8	3.2	2.9	3.1	3.0	3.1	3.2
64	2.2	2.5	2.6	3.2	2.8	2.9	2.7	2.9	3.0
66		2.4	2.0	3.2	2.6	2.7	2.4	2.7	2.8
68		2.3	1.8	2.9	2.5	2.5	2.2	2.4	2.5
70					2.3		1.9	2.1	2.2
72					2.3		1.7	1.9	
74							1.4	1.6	
76							1.3	1.4	
n	2	2	1	2	2	1	2	2	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	25-82			29-82			30-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



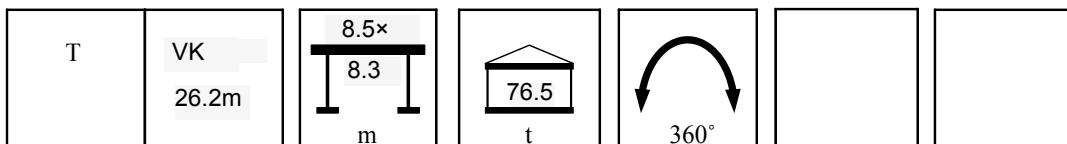
T	VK
76.5	26.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
16	5.0			4.1					
18	5.0			4.1					
20	5.0			4.1					
22	5.0			4.1					
24	5.0			4.1					
26	5.0	4.7		4.1					
28	5.0	4.6	4.1	4.1	4.0				
30	4.9	4.5	4.1	4.1	4.0				
32	4.8	4.5	4.1	4.1	4.0				
34	4.7	4.4	4.1	4.1	3.9	3.6			
36	4.5	4.3	4.0	4.0	3.8	3.6			
38	4.3	4.2	3.9	3.9	3.7	3.6			
40	4.2	4.1	3.9	3.8	3.7	3.6			
42	4.1	4.0	3.8	3.7	3.6	3.5			
44	3.9	3.8	3.7	3.7	3.5	3.5			
46	3.7	3.7	3.6	3.5	3.4	3.5			
48	3.5	3.5	3.5	3.4	3.3	3.3			
50	3.4	3.4	3.4	3.2	3.3	3.2			
52	3.2	3.2	3.3	3.2	3.2	3.2			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	29-82			35-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



T	VK
76.5	26.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
54	3.1	3.2	3.2	3.0	3.0	3.1			
56	2.9	3.0	3.1	2.8	2.9	3.0			
58	2.8	2.9	3.0	2.7	2.8	2.9			
60	2.6	2.7	2.8	2.5	2.6	2.7			
62	2.4	2.5	2.6	2.4	2.5	2.6			
64	2.3	2.4	2.5	2.3	2.3	2.4			
66	2.2	2.3	2.3	2.2	2.3	2.3			
68	2.1	2.2	2.2	2.1	2.1	2.2			
70	1.8	2.0	2.1	1.9	2.0	2.1			
72	1.5	1.7	1.9	1.7	1.8	1.9			
74	1.4	1.5	1.5	1.4	1.5	1.8			
76	1.1	1.3		1.3	1.3	1.5			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	30-82			31-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

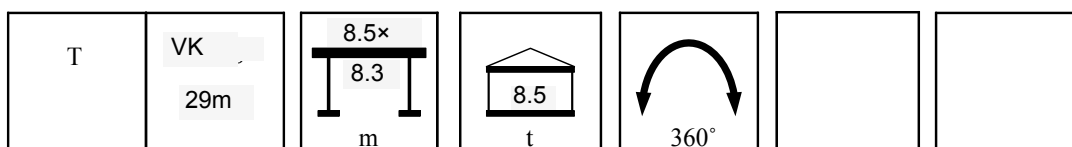




**29m Boom – extension and jib, 8.5t Counterweight**

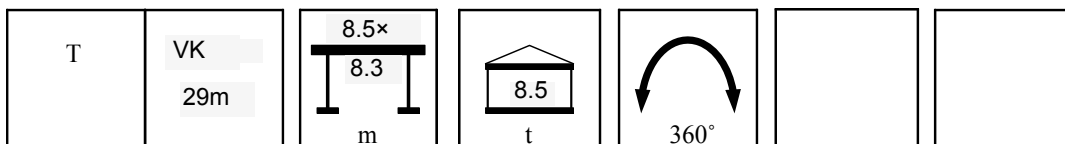
T	VK
8.5	29m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
12	5.2								
14	5.2			4.7					
16	5.2			4.7			4.7		
18	5.2			4.7			4.7		
20	5.2			4.7			4.7		
22	5.1			4.7			4.6		
24	5.1			4.7			4.1		
26	5.1			4.1			3.2	3.6	
28	4.3	3.9		3.3	3.6		2.6	3.6	
30	3.7	3.8		2.7	3.5		1.9	3.5	
32	3.0	3.7		2.1	3.4			3.2	
34	2.3	3.6	1.5	1.5	3.4	1.5		2.6	1.5
36	1.6	3.4	1.5		3.1	1.5		2.0	1.5
38	1.0	3.2	1.5		2.5	1.5		1.5	1.5
40		2.5	1.4		1.8	1.5			1.5
42		1.9	1.4		1.3	1.4			1.5
44		1.4	1.4			1.4			1.4
46			1.4			1.0			
48			1.0						
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	62-82			65-82			70-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



T	VK
8.5	29m

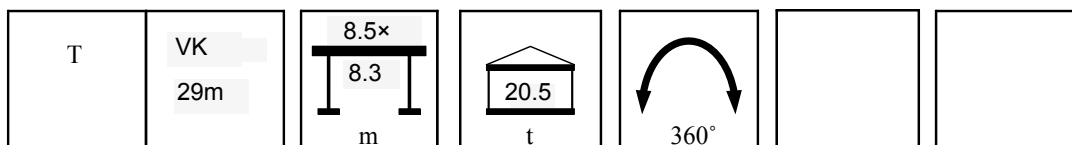
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	4.1								
18	4.1			2.9					
20	4.1			2.9					
22	4.1			2.9					
24	3.7			2.9					
26	3.0			2.9					
28	2.3	3.5		2.3					
30	1.7	3.3		1.7					
32		3.2	1.4		2.8	1.4			
34		3.0	1.4		2.6	1.4			
36		2.4	1.4		2.6	1.4			
38		1.6	1.0		2.5				
40									
42									
44									
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	71-82			72-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



**29m Boom – extension and jib, 20.5t Counterweight**

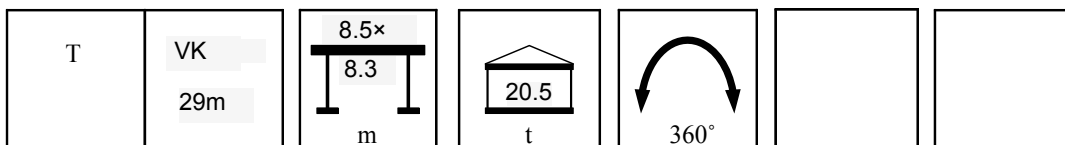
T	VK
20.5	29m

m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
12	5.2								
14	5.2			4.7					
16	5.2			4.7			4.7		
18	5.2			4.7			4.7		
20	5.2			4.7			4.7		
22	5.2			4.7			4.7		
24	5.1			4.7			4.7		
26	5.1			4.7			4.6	3.6	
28	5.1	3.9		4.7	3.6		4.6	3.6	
30	5.1	3.8		4.6	3.5		4.4	3.5	
32	5.1	3.7	1.5	4.5	3.4		3.7	3.4	
34	5.0	3.6	1.5	3.9	3.4	1.5	3.2	3.3	1.5
36	4.7	3.4	1.5	3.3	3.3	1.5	2.5	3.2	1.5
38	4.0	3.3	1.5	2.9	3.2	1.5	2.0	3.1	1.5
40	3.5	3.2	1.4	2.3	3.1	1.5	1.6	3.1	1.5
42	3.0	3.1	1.4	1.9	3.0	1.4		2.8	1.5
44	2.6	3.0	1.4	1.5	2.9	1.4		2.3	1.4
46	2.2	2.9	1.4		2.3	1.4		1.8	1.4
48	1.7	2.4	1.4		1.8	1.4		1.4	1.2
50	1.3	1.9	1.4		1.4	1.2			
52		1.5	1.3			1.0			
54		1.1	1.0						
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	55-82			57-82			62-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
20.5	29m

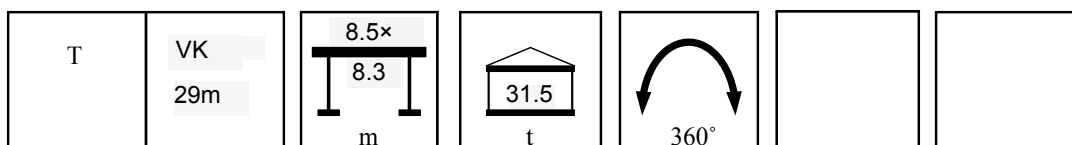
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	4.1								
18	4.1			2.9					
20	4.1			2.9					
22	4.1			2.9					
24	4.1			2.9					
26	4.1			2.9					
28	4.1	3.5		2.9					
30	4.0	3.3		2.9					
32	3.4	3.2	1.4	2.9	2.8	1.4			
34	2.9	3.1	1.4	2.9	2.6	1.4			
36	2.3	3.1	1.4	2.6	2.6	1.4			
38	1.7	3.0	1.4	1.9	2.6	1.4			
40	1.4	3.0	1.4		2.6	1.4			
42		2.6	1.4		2.6	1.4			
44		2.1	1.4		2.1	1.4			
46		1.7	1.4		1.7	1.3			
48		1.3	1.2		1.3	1.1			
50		1.0							
52									
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	63-82			67-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



**29m Boom – extension and jib, 31.5t Counterweight**

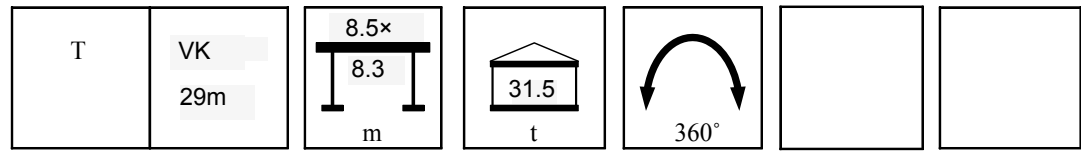
T	VK
31.5	29m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
12	5.2								
14	5.2			4.7					
16	5.2			4.7			4.7		
18	5.2			4.7			4.7		
20	5.2			4.7			4.7		
22	5.2			4.7			4.7		
24	5.2			4.7			4.7		
26	5.1			4.7			4.6	3.6	
28	5.1	4.0		4.7	3.6		4.6	3.6	
30	5.1	4.0	1.5	4.6	3.6		4.4	3.5	
32	5.1	3.9	1.5	4.5	3.5	1.5	4.1	3.4	
34	5.0	3.7	1.5	4.4	3.4	1.5	4.0	3.3	1.5
36	4.7	3.6	1.5	4.4	3.4	1.5	3.9	3.2	1.5
38	4.3	3.5	1.5	4.3	3.3	1.5	3.8	3.1	1.5
40	4.2	3.3	1.4	4.1	3.2	1.5	3.4	3.1	1.5
42	4.0	3.2	1.4	4.0	3.1	1.5	2.9	3.0	1.5
44	3.9	3.1	1.4	3.7	3.0	1.4	2.5	2.9	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	45-82			50-82			53-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



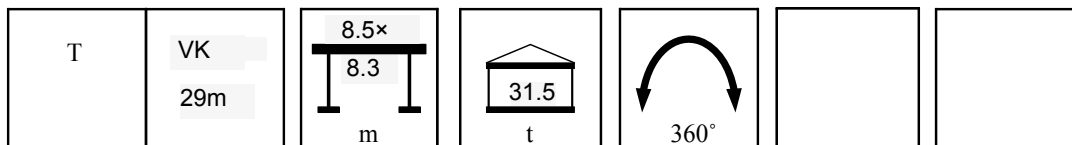
T	VK
31.5	29m

m	$m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
46	3.7	3.0	1.4	3.2	3.0	1.4	2.1	2.9	1.4
48	3.3	2.9	1.4	2.7	2.9	1.4	1.7	2.9	1.4
50	2.9	2.9	1.4	2.4	2.9	1.4	1.3	2.8	1.4
52	2.6	2.9	1.4	1.9	2.9	1.4	1.0	2.3	1.4
54	2.1	2.8	1.4	1.6	2.5	1.4		1.9	1.4
56	1.8	2.6	1.4	1.2	2.1	1.4		1.6	1.4
58	1.3	2.2	1.4	1.1	1.7	1.4		1.2	1.2
60	1.0	1.8	1.4		1.3	1.4		1.0	
62		1.4	1.2			1.3			
64		1.0	1.0			1.0			
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	45-82			50-82			53-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



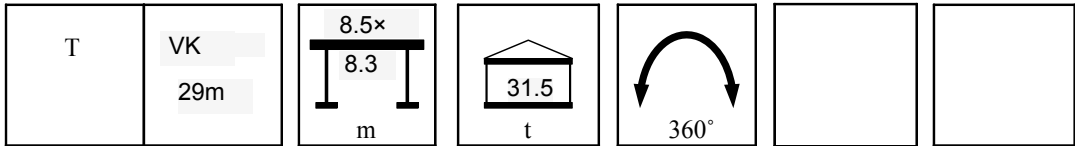
T	VK
31.5	29m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
14									
16	4.1								
18	4.1			2.9					
20	4.1			2.9					
22	4.1			2.9					
24	4.1			2.9					
26	4.1			2.9					
28	4.1	3.5		2.9					
30	4.0	3.3		2.9					
32	4.0	3.2	1.4	2.9	3.2	1.4			
34	4.0	3.1	1.4	2.9	2.6	1.4			
36	3.9	3.1	1.4	2.9	2.6	1.4			
38	3.8	3.0	1.4	2.8	2.6	1.4			
40	3.7	3.0	1.4	2.7	2.6	1.4			
42	3.6	2.9	1.4	2.7	2.6	1.4			
44	3.2	2.9	1.4	2.6	2.5	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	55-82			59-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



T	VK
31.5	29m

m									
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
46	2.8	2.8	1.4	2.3	2.5	1.4			
48	2.3	2.6	1.4	1.9	2.4	1.4			
50	1.9	2.2	1.4	1.5	2.3	1.4			
52	1.5	1.8	1.4	1.2	2.2	1.4			
54	1.2	1.5	1.3		1.8	1.2			
56	1.0	1.1	1.0		1.5	1.0			
58		1.0			1.1				
60									
62									
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	55-82			59-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

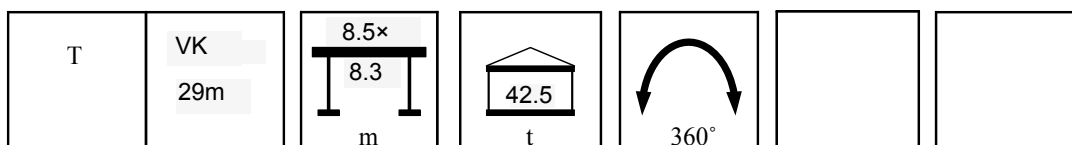




**29m Boom – extension and jib, 42.5t Counterweight**





T	VK
42.5	29m

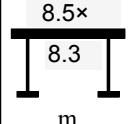
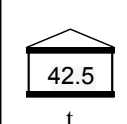

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	5.5			4.7					
16	5.2			4.7					
18	5.2			4.7			4.7		
20	5.2			4.7			4.7		
22	5.2			4.7			4.7		
24	5.1			4.7			4.6		
26	4.8			4.7			4.6		
28	4.8	4.0		4.7			4.5		
30	4.8	3.9		4.6	3.9		4.3	3.6	
32	4.6	3.7	1.5	4.5	3.6	1.5	4.2	3.5	1.5
34	4.5	3.6	1.5	4.4	3.5	1.5	4.1	3.4	1.5
36	4.3	3.5	1.5	4.4	3.4	1.5	4.0	3.3	1.5
38	4.2	3.3	1.4	4.3	3.4	1.4	3.9	3.2	1.4
40	4.0	3.2	1.4	4.1	3.3	1.4	3.8	3.1	1.4
42	3.9	3.1	1.4	4.0	3.2	1.4	3.7	3.1	1.4
44	3.7	3.0	1.4	4.0	3.1	1.4	3.6	3.0	1.4
46	3.6	2.9	1.4	3.9	3.0	1.4	3.5	2.9	1.4
48	3.5	2.9	1.4	3.7	2.9	1.4	3.3	2.9	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	35-82			42-82			45-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	VK
42.5	29m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
16	4.1								
18	4.1								
20	4.1			2.9					
22	4.1			2.9					
24	4.1			2.9					
26	4.1	3.5		2.9					
28	4.0	3.3		2.9					
30	4.0	3.2		2.9	2.6				
32	3.9	3.1	1.4	2.9	2.6	1.4			
34	3.8	3.1	1.4	2.9	2.6	1.4			
36	3.7	3.0	1.4	2.9	2.6	1.4			
38	3.6	3.0	1.4	2.8	2.6	1.4			
40	3.5	2.9	1.4	2.7	2.6	1.4			
42	3.4	2.9	1.4	2.7	2.6	1.4			
44	3.3	2.9	1.4	2.6	2.6	1.4			
46	3.2	2.8	1.4	2.6	2.5	1.4			
48	2.9	2.7	1.4	2.6	2.5	1.4			
50	2.6	2.7	1.4	2.5	2.4	1.4			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	47-82			52-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

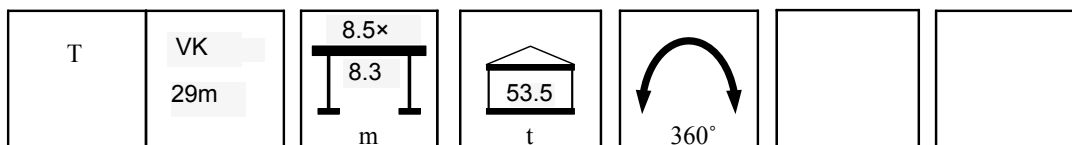
T	VK 29m					
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**29m Boom – extension and jib, 53.5t Counterweight**

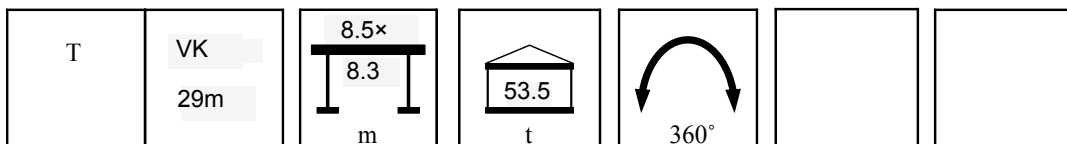
T	VK
53.5	29m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
16	5.2			4.5			4.3		
18	5.2			4.5			4.3		
20	5.2			4.5			4.3		
22	5.2			4.5			4.3		
24	5.1			4.5			4.3		
26	4.8	3.9		4.5			4.3		
28	4.8	3.9		4.5			4.3		
30	4.8	3.7		4.5	3.6		4.2	3.6	
32	4.6	3.6	1.5	4.5	3.5	1.5	4.1	3.5	1.5
34	4.5	3.5	1.5	4.4	3.4	1.5	4.0	3.4	1.5
36	4.3	3.3	1.5	4.4	3.4	1.5	3.9	3.3	1.5
38	4.2	3.2	1.4	4.3	3.4	1.4	3.8	3.2	1.4
40	4.0	3.1	1.4	4.1	3.3	1.4	3.7	3.1	1.4
42	3.9	3.0	1.4	4.0	3.2	1.4	3.6	3.1	1.4
44	3.7	2.9	1.4	4.0	3.1	1.4	3.5	3.0	1.4
46	3.6	2.9	1.4	3.9	3.0	1.4	3.3	2.9	1.4
48	3.5	2.9	1.4	3.7	2.9	1.4	3.2	2.9	1.4
50	3.3	2.8	1.4	3.7	2.9	1.4	3.1	2.9	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	26-82			32-82			37-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



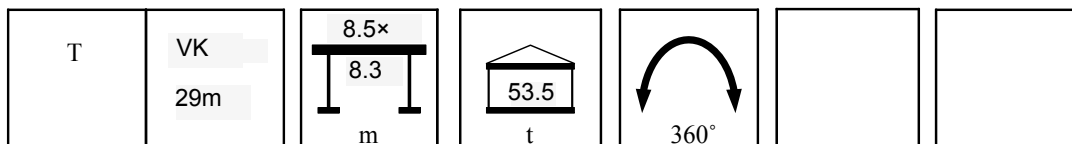
T	VK
53.5	29m

m		m > t								
		51.0			55.2			59.5		
		0°	20°	40°	0°	20°	40°	0°	20°	40°
52		3.2	2.7	1.4	3.5	2.9	1.4	3.1	2.8	1.4
54		3.1	2.7	1.4	3.4	2.8	1.4	3.0	2.7	1.4
56		2.9	2.6	1.4	3.2	2.7	1.4	2.8	2.7	1.4
58		2.8	2.6	1.4	3.2	2.7	1.4	2.4	2.6	1.4
60		2.8	2.6	1.4	2.8	2.6	1.4	2.1	2.6	1.4
62		2.7	2.5	1.4	2.5	2.6	1.4	1.8	2.5	1.4
64		2.6	2.5		2.1	2.5	1.4	1.5	2.5	1.4
66		2.3	2.4		1.8	2.5	1.3	1.2	2.4	1.2
68		1.9	2.0		1.5	2.3		1.0	2.1	
70		1.7	1.7		1.3	2.0			1.7	
72		1.4			1.3	1.6			1.4	
74					1.1	1.3			1.1	
n		1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92	92
	6	46	46	46	46	46	46	92	92	92
	7	46	46	46	46	46	46	46	46	46
Boom Angle(°)		26-82			32-82			37-82		
Hook Weight		447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s		9	9	9	9	9	9	9	9	9



T	VK
53.5	29m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
16	4.1								
18	4.1			2.9					
20	4.1			2.9					
22	4.1			2.9					
24	4.1			2.9					
26	4.1			2.9					
28	4.1			2.9					
30	4.1			2.9					
32	4.1	3.3		2.9					
34	4.1	3.2	1.4	2.9	2.6	1.5			
36	4.0	3.1	1.4	2.8	2.6	1.5			
38	3.9	3.1	1.4	2.7	2.6	1.4			
40	3.8	3.0	1.4	2.7	2.6	1.4			
42	3.7	3.0	1.4	2.6	2.6	1.4			
44	3.7	2.9	1.4	2.6	2.5	1.4			
46	3.5	2.9	1.4	2.6	2.5	1.4			
48	3.4	2.9	1.4	2.5	2.4	1.4			
50	3.2	2.8	1.4	2.4	2.3	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	41-82			45-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



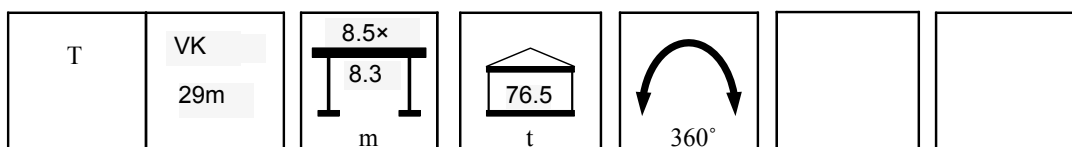








**29m Boom – extension and jib, 76.5t Counterweight**

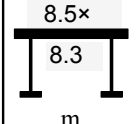
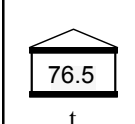

T	VK
76.5	29m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
16	5.2			4.5			4.3		
18	5.2			4.5			4.3		
20	5.2			4.5			4.3		
22	5.2			4.5			4.3		
24	5.1	4.0		4.5			4.3		
26	4.8	3.9		4.5	3.9		4.3	3.6	
28	4.8	3.9		4.5	3.8		4.3	3.6	
30	4.8	3.7		4.5	3.7		4.2	3.6	
32	4.6	3.6	1.5	4.5	3.5	1.5	4.1	3.5	1.5
34	4.5	3.5	1.5	4.4	3.4	1.5	4.0	3.4	1.5
36	4.3	3.3	1.5	4.4	3.4	1.5	3.9	3.3	1.5
38	4.2	3.2	1.4	4.3	3.4	1.4	3.8	3.2	1.4
40	4.0	3.1	1.4	4.1	3.3	1.4	3.7	3.1	1.4
42	3.9	3.0	1.4	4.0	3.2	1.4	3.6	3.1	1.4
44	3.7	2.9	1.4	4.0	3.1	1.4	3.5	3.0	1.4
46	3.6	2.9	1.4	3.9	3.0	1.4	3.3	2.9	1.4
48	3.5	2.9	1.4	3.7	2.9	1.4	3.2	2.9	1.4
50	3.3	2.8	1.4	3.7	2.9	1.4	3.1	2.9	1.4
52	3.2	2.7	1.4	3.5	2.9	1.4	3.1	2.8	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	26-82			26-82			27-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9







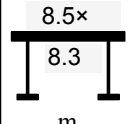
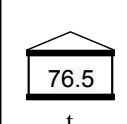

T	VK
76.5	29m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
54	3.1	2.7	1.4	3.4	2.8	1.4	3.0	2.7	1.4
56	2.9	2.6	1.4	3.2	2.7	1.4	2.9	2.7	1.4
58	2.8	2.6	1.4	3.2	2.7	1.4	2.9	2.6	1.4
60	2.8	2.6	1.4	2.9	2.6	1.4	2.8	2.6	1.4
62	2.7	2.5	1.4	2.8	2.6	1.4	2.8	2.5	1.4
64	2.6	2.5		2.7	2.5	1.4	2.7	2.5	1.4
66	2.3	2.4		2.6	2.5	1.4	2.5	2.4	1.4
68	2.3	2.4		2.5	2.4		2.3	2.4	1.4
70	2.0	2.2		2.4	2.4		2.1	2.3	1.4
72	2.0			2.4	2.3		1.8	2.1	
74				2.3	2.2		1.6	1.8	
76				2.1			1.4	1.6	
78							1.2	1.4	
80							1.0	1.1	
n	2	2	1	2	2	1	2	2	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	26-82			26-82			27-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9

T	VK					
	29m	m	t	360°		

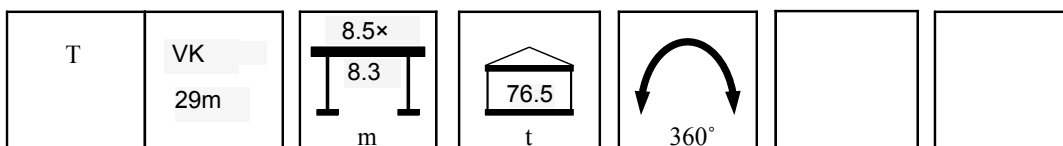
T	VK
76.5	29m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
16	4.1								
18	4.1			2.9					
20	4.1			2.9					
22	4.1			2.9					
24	4.1			2.9					
26	4.1			2.9					
28	4.1	3.3		2.9					
30	4.1	3.3		2.9					
32	4.1	3.3		2.9	2.6				
34	4.1	3.2	1.4	2.9	2.6	1.5			
36	4.0	3.1	1.4	2.8	2.6	1.5			
38	3.9	3.1	1.4	2.7	2.6	1.4			
40	3.8	3.0	1.4	2.7	2.6	1.4			
42	3.7	3.0	1.4	2.6	2.6	1.4			
44	3.7	2.9	1.4	2.6	2.5	1.4			
46	3.5	2.9	1.4	2.6	2.5	1.4			
48	3.4	2.9	1.4	2.5	2.4	1.4			
50	3.2	2.8	1.4	2.4	2.3	1.4			
52	3.2	2.7	1.4	2.4	2.3	1.4			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			33-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

T	VK 29m	 m	 t	 360°		
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T	VK
76.5	29m

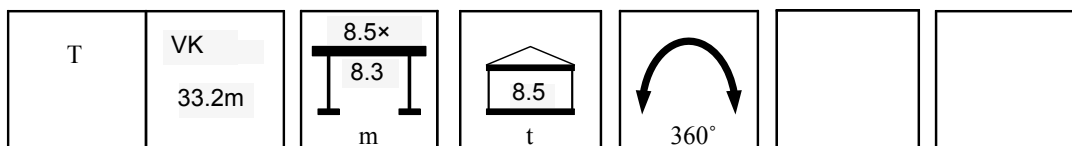
 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
54	3.0	2.7	1.4	2.3	2.3	1.4			
56	2.8	2.6	1.4	2.3	2.3	1.4			
58	2.7	2.6	1.4	2.2	2.2	1.4			
60	2.5	2.5	1.4	2.2	2.1	1.3			
62	2.4	2.5	1.4	2.0	2.1	1.3			
64	2.3	2.5	1.4	1.9	2.0	1.3			
66	2.2	2.4	1.4	1.8	2.0	1.3			
68	2.1	2.1	1.4	1.7	1.8	1.3			
70	1.9	2.0	1.4	1.6	1.7	1.3			
72	1.7	1.9	1.4	1.5	1.6	1.3			
74	1.4	1.8	1.4	1.4	1.5	1.3			
76	1.3	1.5	1.3	1.2	1.4				
78	1.1	1.3		1.0	1.2				
80		1.1			1.2				
82					0.8				
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			33-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			



T	VK
8.5	33.2m

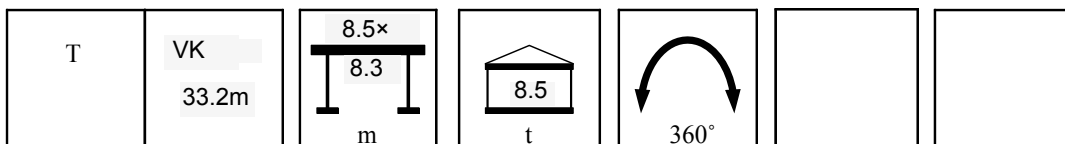
33.2m Boom – extension and jib, 8.5t Counterweight

m	$m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
14	4.6								
16	4.6			4.2			4.1		
18	4.6			4.2			4.1		
20	4.6			4.2			4.1		
22	4.6			4.2			4.1		
24	4.6			4.1			4.1		
26	4.3			4.0			4.1		
28	4.2	3.8		3.9			3.3		
30	4.0	3.7		3.5	3.5		2.6		
32	3.7	3.5		2.9	3.4			3.5	
34	2.9	3.5		2.1	3.4			3.4	
36	2.4	3.4			3.4			3.3	
38		3.3	1.5		3.1	1.5		2.9	1.5
40		3.2	1.5		3.0	1.5		2.1	1.5
42		3.1	1.5		2.3	1.5			1.5
44		2.4	1.5			1.5			1.5
46		1.8	1.4			1.4			1.4
48			1.1			1.1			
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	64-82			64-82			64-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
8.5	33.2m

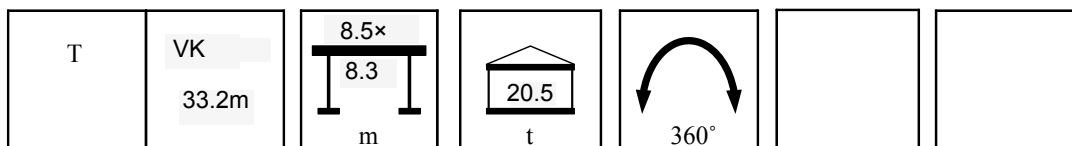
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18	3.5								
20	3.5								
22	3.5			2.9					
24	3.5			2.9					
26	3.4			2.9					
28	2.7			2.3					
30	1.9			1.7					
32		3.2			2.6				
34		3.1			2.6				
36		3.1			2.6				
38		2.5			2.2				
40		1.7	1.4			1.4			
42			1.4			1.4			
44			1.4			1.4			
46			1.4			1.4			
48			1.0			1.0			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	64-82			64-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



**33.2m Boom – extension and jib, 20.5t Counterweight**

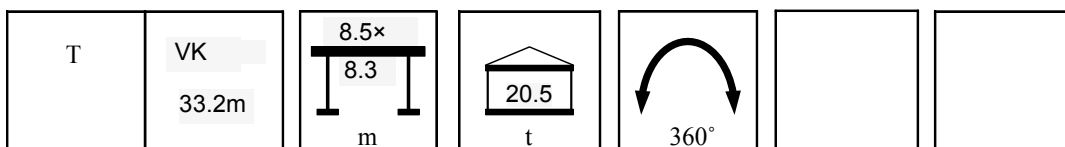
T	VK
20.5	33.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
18	3.7			3.5			3.2		
20	3.7			3.5			3.2		
22	3.7			3.5			3.2		
24	3.7			3.4			3.2		
26	3.6			3.3			3.2		
28	3.5			3.2			3.1		
30	3.3	2.5		3.1			3.0		
32	3.2	2.5		3.0	2.5		2.9		
34	3.1	2.5		2.9	2.4		2.9	2.4	
36	3.0	2.4		2.9	2.3		2.8	2.4	
38	2.9	2.3		2.8	2.2		2.3	2.3	
40	2.8	2.2		2.5	2.2		1.8	2.2	
42	2.7	2.1	1.5	2.0	2.1		1.3	2.1	
44	2.5	2.0	1.5	1.6	2.0	1.5		2.1	1.5
46	2.0	2.0	1.5	1.3	2.0	1.5		2.0	1.5
48	1.5	1.9	1.5		1.9	1.5		1.9	1.5
50	1.1	1.9	1.4		1.8	1.5		1.9	1.5
52		1.8	1.4		1.8	1.4		1.7	1.4
54		1.8	1.4		1.4	1.4		1.3	1.4
56		1.5	1.4		1.0	1.4			1.4
58		1.1	1.4			1.4			1.4
60			1.1			1.4			1.2
62			1.0			1.0			
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	57-82			60-82			65-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
20.5	33.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.9			1.7					
30	2.8			1.7					
32	2.8			1.7					
34	2.7			1.7					
36	2.6	2.1		1.7	1.5				
38	2.0	2.0		1.7	1.5				
40	1.5	1.9		1.4	1.5				
42	1.3	1.9		1.0	1.5				
44		1.9	1.4		1.5				
46		1.8	1.4		1.5				
48		1.8	1.4		1.5	1.3			
50		1.5	1.4		1.3	1.3			
52		1.1	1.4		1.0	1.3			
54			1.4			1.3			
56			1.4			1.1			
58			1.2						
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	66-82			69-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

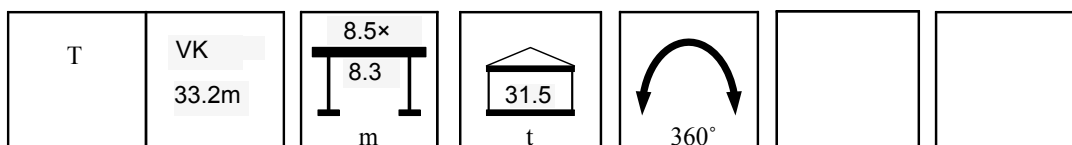




**33.2m Boom – extension and jib, 31.5t Counterweight**





T	VK
31.5	33.2m

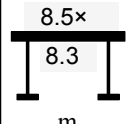
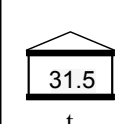

m	m > t									
	51.0			55.2			59.5			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
18				3.5			3.2			
20				3.5			3.2			
22	3.7			3.5			3.2			
24	3.7			3.5			3.2			
26	3.7			3.4			3.2			
28	3.7			3.3			3.1			
30	3.6			3.2			3.0			
32	3.5	2.4		3.1			2.9			
34	3.3	2.4		3.0	2.3		2.9			
36	3.2	2.4		2.9	2.3		2.8	2.4		
38	3.1	2.3		2.9	2.2		2.7	2.3		
40	3.0	2.2	1.5	2.8	2.1	1.5	2.6	2.2	1.5	
42	2.9	2.1	1.5	2.7	2.1	1.5	2.5	2.1	1.5	
44	2.9	2.1	1.5	2.6	2.0	1.5	2.4	2.1	1.5	
46	2.8	2.0	1.5	2.5	2.0	1.5	2.4	2.0	1.5	
48	2.6	2.0	1.4	2.4	1.9	1.4	2.1	1.9	1.4	
50	2.5	1.9	1.4	2.3	1.9	1.4	1.7	1.9	1.4	
n	1	1	1	1	1	1	1	1	1	
%	2	92	92	92	92	92	92	92	92	
	3	92	92	92	92	92	92	92	92	
	4	92	92	92	92	92	92	92	92	
	5	46	46	46	92	92	92	92	92	92
	6	46	46	46	46	46	46	92	92	92
	7	46	46	46	46	46	46	46	46	46
Boom Angle(°)	50-82			52-82			56-82			
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	
m/s	9	9	9	9	9	9	9	9	9	





T	VK
31.5	33.2m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
20	2.9								
22	2.9								
24	2.9			1.7					
26	2.9			1.7					
28	2.9			1.7					
30	2.8			1.7					
32	2.8			1.7					
34	2.7			1.7					
36	2.6	2.1		1.7					
38	2.5	2.0		1.7	1.5				
40	2.5	1.9		1.7	1.5				
42	2.4	1.9	1.4	1.7	1.5				
44	2.3	1.9	1.4	1.7	1.5	1.4			
46	2.2	1.8	1.4	1.7	1.5	1.4			
48	1.8	1.8	1.4	1.7	1.5	1.3			
50	1.4	1.7	1.4	1.4	1.5	1.3			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	60-82			62-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

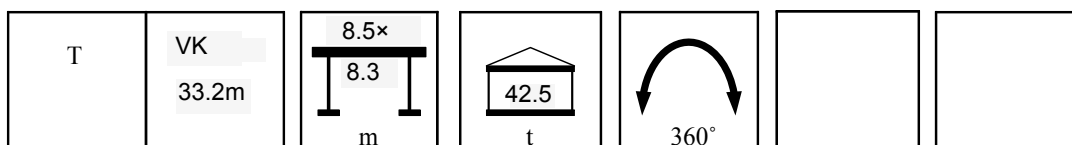
T	VK 33.2m	 m	 t	 360°		
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**33.2m Boom – extension and jib, 42.5t Counterweight**

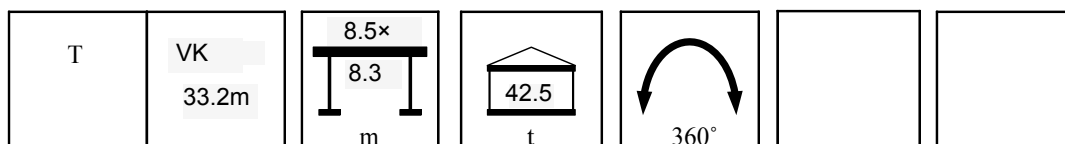
T	VK
42.5	33.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
20	3.7			3.5			3.2		
22	3.7			3.5			3.2		
24	3.7			3.5			3.2		
26	3.7			3.4			3.2		
28	3.6			3.3			3.1		
30	3.5			3.2			3.0		
32	3.3			3.1			2.9		
34	3.2	2.5		3.0			2.9		
36	3.1	2.4		2.9			2.8		
38	3.0	2.3		2.9	2.4		2.7	2.4	
40	2.9	2.2	1.5	2.8	2.3	1.5	2.6	2.3	1.5
42	2.9	2.1	1.5	2.7	2.2	1.5	2.5	2.2	1.5
44	2.8	2.0	1.5	2.6	2.2	1.5	2.4	2.1	1.5
46	2.6	2.0	1.5	2.5	2.1	1.5	2.4	2.1	1.5
48	2.5	1.9	1.4	2.4	2.0	1.4	2.3	2.0	1.4
50	2.4	1.9	1.4	2.3	2.0	1.4	2.2	1.9	1.4
52	2.3	1.8	1.4	2.2	1.9	1.4	2.1	1.9	1.4
54	2.2	1.8	1.4	2.1	1.8	1.4	2.0	1.8	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	39-82			46-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



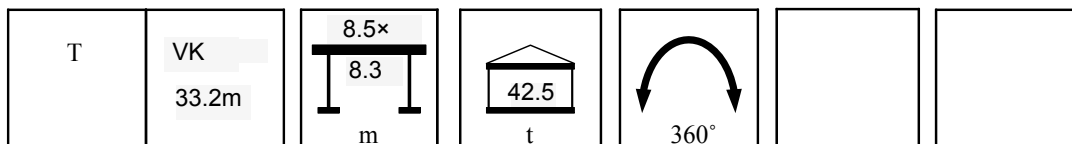
T	VK
42.5	33.2m

m	m > < t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
56	2.1	1.7	1.4	2.0	1.8	1.4	2.0	1.8	1.4
58	2.0	1.7	1.4	2.0	1.7	1.4	1.7	1.7	1.4
60	1.9	1.6	1.4	1.9	1.7	1.4	1.4	1.7	1.4
62	1.8	1.6	1.4	1.8	1.6	1.4	1.1	1.6	1.4
64	1.7	1.5	1.4	1.5	1.6	1.4		1.6	1.4
66	1.6	1.5	1.4	1.1	1.6	1.4		1.6	1.4
68	1.3	1.4	1.4		1.5	1.4		1.5	1.4
70	1.0	1.4	1.3		1.5	1.4		1.5	1.3
72		1.3			1.5	1.0		1.4	1.0
74		1.0			1.3			1.1	
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(° )	39-82			46-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
42.5	33.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.9			1.7					
30	2.8			1.7					
32	2.8			1.7					
34	2.7			1.7					
36	2.6			1.7					
38	2.5	2.1		1.7	1.5				
40	2.5	2.0		1.7	1.5				
42	2.4	2.0	1.4	1.7	1.5				
44	2.3	1.9	1.4	1.7	1.5	1.4			
46	2.2	1.9	1.4	1.7	1.5	1.4			
48	2.2	1.8	1.4	1.7	1.5	1.4			
50	2.1	1.8	1.4	1.7	1.5	1.4			
52	2.0	1.7	1.4	1.7	1.5	1.4			
54	2.0	1.7	1.4	1.5	1.4	1.4			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	52-82			55-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



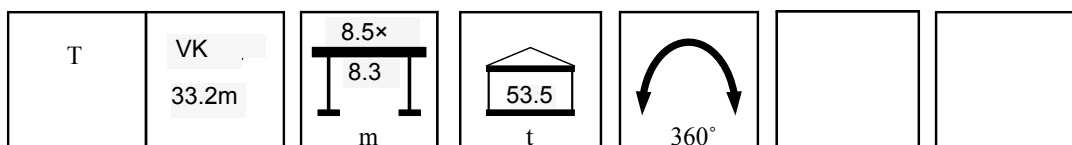




**33.2m Boom – extension and jib, 53.5t Counterweight**

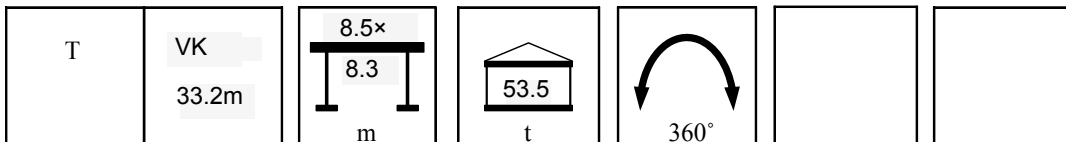
T	VK
53.5	33.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
20	3.7			3.5			3.2		
22	3.7			3.5			3.2		
24	3.7			3.5			3.2		
26	3.7			3.5			3.2		
28	3.6			3.4			3.2		
30	3.5			3.3			3.1		
32	3.3	2.5		3.2	2.5		3.0		
34	3.2	2.5		3.1	2.4		2.9	2.4	
36	3.1	2.4		3.0	2.4		2.9	2.4	
38	3.0	2.3	1.5	2.9	2.4	1.5	2.8	2.4	1.5
40	2.9	2.2	1.5	2.9	2.3	1.5	2.7	2.3	1.5
42	2.9	2.1	1.5	2.8	2.2	1.5	2.6	2.2	1.5
44	2.8	2.0	1.5	2.7	2.2	1.5	2.5	2.1	1.5
46	2.6	2.0	1.5	2.6	2.1	1.5	2.4	2.1	1.5
48	2.5	1.9	1.4	2.5	2.0	1.4	2.4	2.0	1.4
50	2.4	1.9	1.4	2.4	2.0	1.4	2.3	1.9	1.4
52	2.3	1.8	1.4	2.3	1.9	1.4	2.2	1.9	1.4
54	2.2	1.8	1.4	2.2	1.8	1.4	2.1	1.8	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			37-82			43-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9







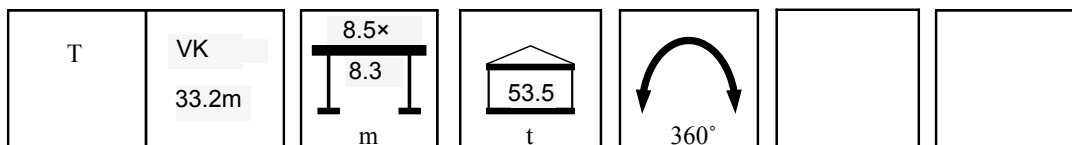
T	VK
53.5	33.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
56	2.1	1.7	1.4	2.1	1.8	1.4	2.0	1.8	1.4
58	2.0	1.7	1.4	2.0	1.7	1.4	2.0	1.7	1.4
60	1.9	1.6	1.4	2.0	1.7	1.4	1.9	1.7	1.4
62	1.8	1.6	1.4	1.9	1.6	1.4	1.8	1.6	1.4
64	1.7	1.5	1.4	1.8	1.6	1.4	1.8	1.6	1.4
66	1.6	1.5	1.4	1.7	1.6	1.4	1.7	1.6	1.4
68	1.6	1.4	1.4	1.7	1.5	1.4	1.6	1.5	1.4
70	1.5	1.4	1.4	1.6	1.5	1.4	1.4	1.5	1.4
72	1.4	1.4		1.5	1.5	1.4	1.1	1.4	1.4
74	1.4	1.4		1.4	1.4	1.3	1.0	1.4	1.2
76	1.3	1.4		1.1	1.4			1.2	
78	1.0	1.2			1.1			1.0	
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			37-82			43-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
53.5	33.2m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.9			1.7					
30	2.8			1.7					
32	2.8			1.7					
34	2.7	2.2		1.7					
36	2.6	2.1		1.7					
38	2.5	2.1		1.7	1.5				
40	2.5	2.0	1.4	1.7	1.5				
42	2.4	2.0	1.4	1.7	1.5	1.5			
44	2.3	1.9	1.4	1.7	1.5	1.5			
46	2.2	1.9	1.4	1.7	1.5	1.4			
48	2.2	1.8	1.4	1.7	1.5	1.4			
50	2.1	1.8	1.4	1.7	1.5	1.4			
52	2.0	1.7	1.4	1.7	1.5	1.4			
54	2.0	1.7	1.4	1.7	1.4	1.4			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	45-82			49-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

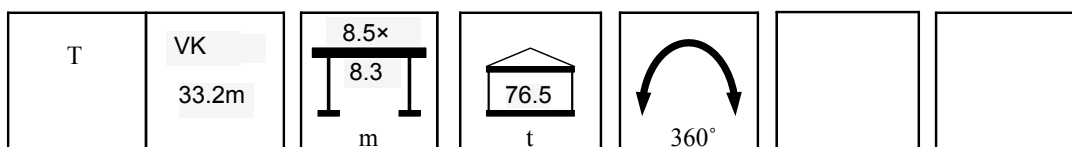




**33.2m Boom – extension and jib, 76.5t Counterweight**

T	VK
76.5	33.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
18	3.7			3.5			3.2		
20	3.7			3.5			3.2		
22	3.7			3.5			3.2		
24	3.7			3.4			3.2		
26	3.6			3.3			3.1		
28	3.5			3.2			3.0		
30	3.3	2.5		3.1	2.5		2.9	2.4	
32	3.2	2.4		3.0	2.4		2.9	2.3	
34	3.1	2.3		2.9	2.3		2.8	2.2	
36	3.0	2.2		2.9	2.2		2.7	2.1	
38	2.9	2.1	1.5	2.8	2.2	1.5	2.6	2.1	1.5
40	2.9	2.0	1.5	2.7	2.1	1.5	2.5	2.0	1.5
42	2.8	2.0	1.5	2.6	2.0	1.5	2.4	1.9	1.5
44	2.6	1.9	1.5	2.5	2.0	1.5	2.4	1.9	1.5
46	2.5	1.9	1.5	2.4	1.9	1.5	2.3	1.8	1.5
48	2.4	1.8	1.4	2.3	1.8	1.4	2.2	1.8	1.4
50	2.3	1.8	1.4	2.2	1.8	1.4	2.1	1.7	1.4
52	2.2	1.7	1.4	2.1	1.7	1.4	2.0	1.7	1.4
54	2.1	1.7	1.4	2.0	1.7	1.4	2.0	1.6	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	27-82			27-82			25-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
76.5	33.2m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
56	2.0	1.6	1.4	2.0	1.6	1.4	1.9	1.6	1.4
58	1.9	1.6	1.4	1.9	1.6	1.4	1.8	1.6	1.4
60	1.8	1.5	1.4	1.8	1.6	1.4	1.8	1.5	1.4
62	1.7	1.5	1.4	1.8	1.5	1.4	1.7	1.5	1.4
64	1.6	1.4	1.4	1.7	1.5	1.4	1.7	1.5	1.4
66	1.6	1.4	1.4	1.7	1.5	1.4	1.6	1.4	1.4
68	1.5	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.4
70	1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.4	1.4
72	1.4	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4
74	1.4	1.4		1.4	1.4	1.4	1.5	1.4	1.4
76	1.4	1.4		1.4	1.4	1.4	1.3	1.4	1.4
78	1.4			1.4	1.4		1.1	1.4	1.4
80				1.4	1.4		0.9	1.4	
82				1.4			0.7	1.3	
84				1.3					
86									
n	2	2	1	2	2	1	2	2	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	27-82			27-82			25-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9

T	VK					
	33.2m	m	t	360°		

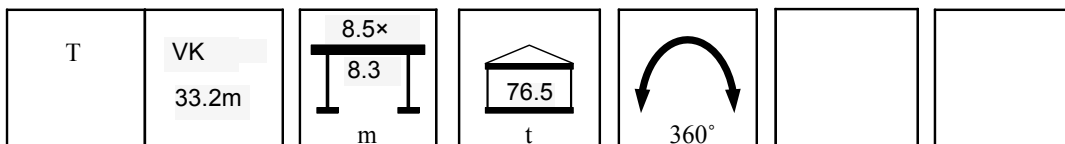
T	VK
76.5	33.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18	2.9								
20	2.9								
22	2.9			1.7					
24	2.9			1.7					
26	2.9			1.7					
28	2.8			1.7					
30	2.8			1.7					
32	2.7	2.2		1.7					
34	2.6	2.1		1.7					
36	2.5	2.0		1.7	1.5				
38	2.5	2.0		1.7	1.5				
40	2.4	1.9	1.4	1.7	1.5				
42	2.3	1.9	1.4	1.7	1.5				
44	2.2	1.8	1.4	1.7	1.5				
46	2.2	1.8	1.4	1.7	1.5				
48	2.1	1.7	1.4	1.7	1.5	1.3			
50	2.0	1.7	1.4	1.7	1.5	1.3			
52	2.0	1.6	1.4	1.7	1.4	1.3			
54	1.9	1.6	1.4	1.7	1.4	1.3			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			34-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

T	VK 33.2m					
		m	t	360°		

T	VK
76.5	33.2m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
56	1.8	1.6	1.4	1.6	1.4	1.3			
58	1.8	1.5	1.4	1.6	1.4	1.3			
60	1.7	1.5	1.4	1.5	1.4	1.3			
62	1.7	1.5	1.4	1.5	1.4	1.3			
64	1.7	1.5	1.4	1.5	1.4	1.3			
66	1.6	1.4	1.4	1.4	1.4	1.3			
68	1.6	1.4	1.4	1.4	1.3	1.3			
70	1.5	1.4	1.4	1.4	1.3	1.3			
72	1.5	1.3	1.4	1.3	1.3	1.3			
74	1.5	1.3	1.4	1.2	1.2	1.3			
76	1.4	1.3	1.4	1.1	1.2	1.2			
78	1.4	1.3	1.4	1.0	1.1	1.2			
80	1.2	1.1	1.4	0.9	1.0	1.2			
82	1.0	0.9	1.4		0.9	1.1			
84						0.9			
86									
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			34-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			

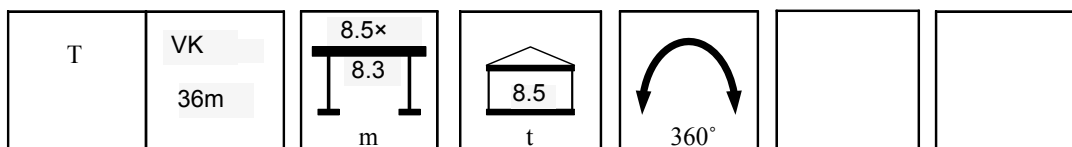




**36m Boom – extension and jib, 8.5t Counterweight**

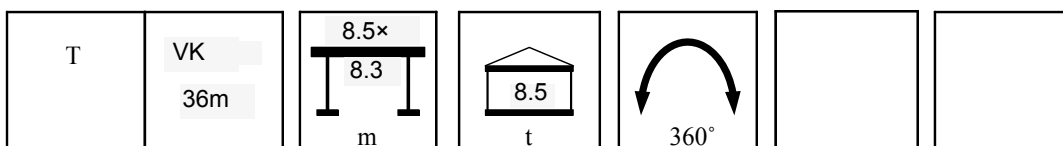
T	VK
8.5	36m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
18	2.7			2.3					
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.7			2.3			2.2		
28	2.5			2.3			2.2		
30	2.4	1.9		2.3			2.2		
32	2.4	1.9		2	1.8		1.8	1.7	
34	2.2	1.9		1.7	1.8		1.4	1.7	
36	1.7	1.9		1.2	1.8			1.7	
38	1.3	1.8	1.5		1.8	1.5		1.7	1.5
40		1.8	1.5		1.8	1.5		1.5	1.5
42		1.8	1.5		1.7	1.5		1.2	1.5
44		1.4	1.5		1.7	1.5			1.5
46		1.3	1.4		1.3	1.4			1.4
48			1.1			1.1			
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	64-82			64-82			64-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
8.5	36m

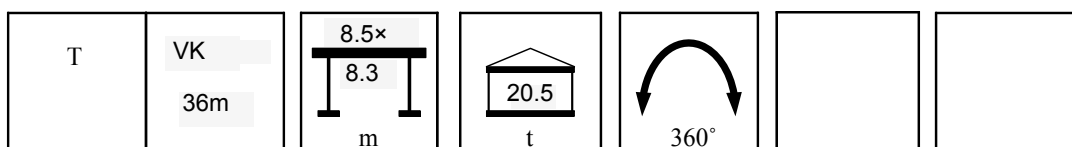
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
18									
20									
22	1.7			1.7					
24	1.7			1.7					
26	1.7			1.7					
28	1.7			1.3					
30	1.3			1.0					
32	1.0								
34		1.3							
36		1.3							
38		1.3							
40		1.3	1.3						
42		1.3	1.3						
44			1.3						
46			1.3						
48			1.0						
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	64-82			64-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



**36m Boom – extension and jib, 20.5t Counterweight**

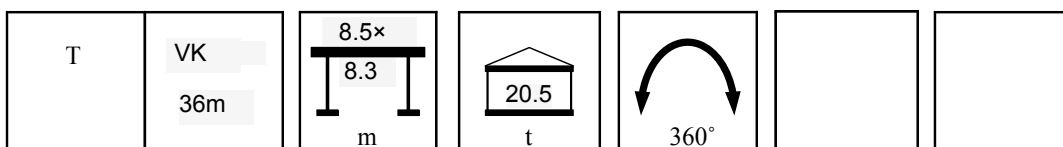
T	VK
20.5	36m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
18	2.7			2.3					
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.7			2.3			2.2		
28	2.5			2.3			2.2		
30	2.4	1.9		2.3			2.2		
32	2.4	1.9		2.3	1.8		2.2	1.7	
34	2.4	1.9		2.3	1.8		2.2	1.7	
36	2.3	1.9		2.3	1.8		2.2	1.7	
38	2.2	1.9	1.5	2.3	1.8	1.5	1.9	1.7	1.5
40	2.2	1.9	1.5	2.2	1.8	1.5	1.5	1.7	1.5
42	2.2	1.8	1.5	2.0	1.8	1.5	1.1	1.7	1.5
44	1.8	1.8	1.5	1.6	1.8	1.5		1.7	1.5
46	1.5	1.8	1.4	1.3	1.7	1.4		1.6	1.4
48	1.2	1.7	1.4	1.1	1.7	1.4		1.5	1.4
50	1.0	1.7	1.4		1.6	1.4		1.2	1.4
52		1.7	1.4		1.6	1.4			1.4
54		1.6	1.4		1.4	1.4			1.2
56		1.5	1.1		1.0	1.0			
58		1.1	1.0						
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	57-82			60-82			65-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
20.5	36m

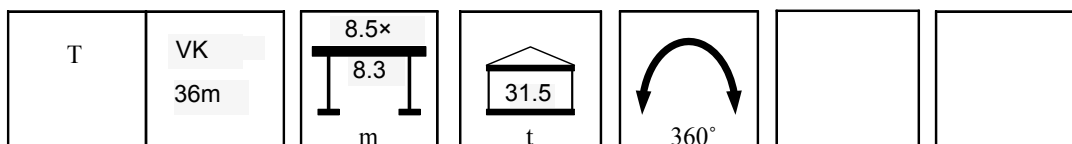
m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
20									
22	1.7			1.7					
24	1.7			1.7					
26	1.7			1.7					
28	1.7			1.7					
30	1.7			1.7					
32	1.7			1.7					
34	1.7	1.5		1.7					
36	1.7	1.5		1.7					
38	1.4	1.5		1.4	1.5				
40	1.0	1.5	1.4	1.0	1.5				
42		1.5	1.4		1.5				
44		1.5	1.4		1.5				
46		1.5	1.3		1.5				
48		1.5	1.3		1.3	1.3			
50		1.3	1.3		1.0	1.3			
52		1.0	1.3			1.3			
54			1.1			1.3			
56						1.1			
58									
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	66-82			69-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



**36m Boom – extension and jib, 31.5t Counterweight**


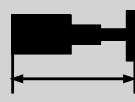


T	VK
31.5	36m

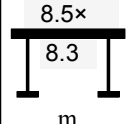
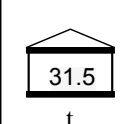

m	$m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
18									
20				2.3			2.2		
22				2.3			2.2		
24	2.7			2.3			2.2		
26	2.7			2.3			2.2		
28	2.7			2.3			2.2		
30	2.7			2.3			2.2		
32	2.7			2.3			2.2		
34	2.5			2.3			2.2		
36	2.4			2.3			2.2		
38	2.4	1.9		2.3	1.8		2.2	1.7	
40	2.4	1.9	1.5	2.2	1.8	1.5	2.1	1.7	1.5
42	2.3	1.8	1.5	2.2	1.8	1.5	2.1	1.7	1.5
44	2.2	1.8	1.5	2.1	1.8	1.5	2.0	1.7	1.5
46	2.2	1.8	1.5	2.0	1.7	1.5	2.0	1.7	1.5
48	2.2	1.7	1.4	2.0	1.7	1.4	1.7	1.6	1.4
50	2.1	1.7	1.4	1.9	1.6	1.4	1.5	1.6	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	50-82			52-82			56-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	VK
31.5	36m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
20									
22				1.7					
24	1.7			1.7					
26	1.7			1.7					
28	1.7			1.7					
30	1.7			1.7					
32	1.7			1.7					
34	1.7			1.7					
36	1.7			1.7					
38	1.7			1.7					
40	1.7	1.5		1.7	1.5				
42	1.7	1.5	1.4	1.7	1.5				
44	1.7	1.5	1.4	1.7	1.5				
46	1.7	1.5	1.4	1.4	1.5	1.3			
48	1.4	1.5	1.3	1.1	1.5	1.3			
50	1.1	1.5	1.3	0.9	1.5	1.3			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	60-82			62-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

T	VK 36m					
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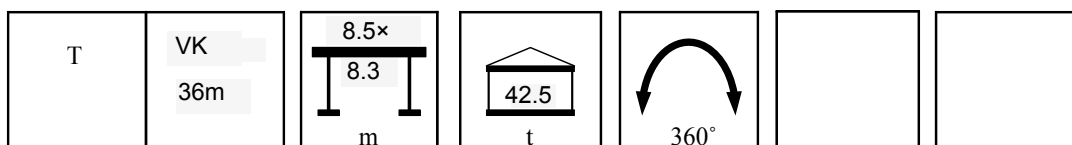




**36m Boom – extension and jib, 42.5t Counterweight**

T	VK
42.5	36m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
18	2.7								
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.7			2.3			2.2		
28	2.7			2.3			2.2		
30	2.7			2.3			2.2		
32	2.5			2.3			2.2		
34	2.4			2.3			2.2		
36	2.4			2.3			2.2		
38	2.4	1.9		2.3	1.8		2.2		
40	2.3	1.9		2.2	1.8		2.2	1.7	
42	2.2	1.8		2.2	1.8	1.5	2.1	1.7	1.5
44	2.2	1.8	1.5	2.1	1.8	1.5	2.1	1.7	1.5
46	2.2	1.8	1.5	2.0	1.8	1.5	2.0	1.7	1.5
48	2.1	1.7	1.5	2.0	1.7	1.5	2.0	1.7	1.5
50	2.0	1.7	1.5	1.9	1.7	1.4	1.9	1.6	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	39-82			46-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	VK
42.5	36m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
20									
22									
24	1.7			1.7					
26	1.7			1.7					
28	1.7			1.7					
30	1.7			1.7					
32	1.7			1.7					
34	1.7			1.7					
36	1.7			1.7					
38	1.7			1.7					
40	1.7	1.5		1.7	1.4				
42	1.7	1.5	1.4	1.7	1.4				
44	1.7	1.5	1.4	1.7	1.4				
46	1.7	1.5	1.4	1.7	1.4	1.3			
48	1.7	1.5	1.4	1.7	1.4	1.3			
50	1.7	1.5	1.4	1.7	1.4	1.3			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	52-82			55-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

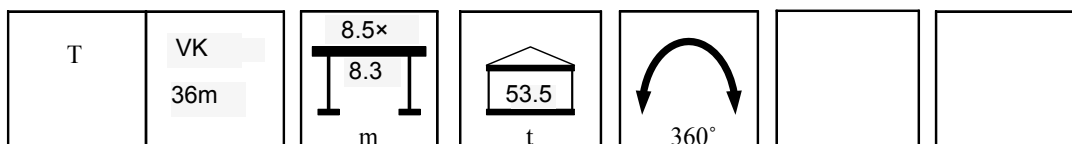
T	VK	 8.5× 8.3 m	 42.5 t	 360°		
	36m					



**36m Boom – extension and jib, 53.5t Counterweight**

T	VK
53.5	36m

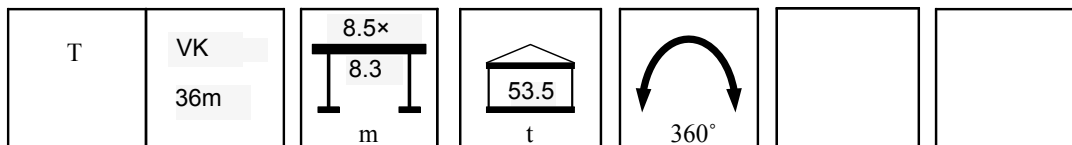
m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.7			2.3			2.2		
28	2.7			2.3			2.2		
30	2.7			2.3			2.2		
32	2.5			2.3			2.2		
34	2.4			2.3			2.2		
36	2.4	1.9		2.3	1.8		2.2		
38	2.4	1.9		2.3	1.8		2.2	1.7	
40	2.3	1.8	1.5	2.2	1.8	1.5	2.2	1.7	1.5
42	2.2	1.8	1.5	2.2	1.8	1.5	2.1	1.7	1.5
44	2.2	1.8	1.5	2.1	1.8	1.5	2.1	1.7	1.5
46	2.2	1.7	1.5	2.0	1.7	1.5	2.0	1.7	1.5
48	2.1	1.7	1.4	2.0	1.7	1.4	2.0	1.6	1.4
50	2.0	1.7	1.4	1.9	1.6	1.4	1.9	1.6	1.4
52	1.9	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4
54	1.9	1.5	1.4	1.8	1.6	1.4	1.8	1.5	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			37-82			43-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	VK
53.5	36m

m	m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
22									
24	1.7			1.7					
26	1.7			1.7					
28	1.7			1.7					
30	1.7			1.7					
32	1.7			1.7					
34	1.7			1.7					
36	1.7			1.7					
38	1.7			1.7					
40	1.7	1.5		1.7	1.5				
42	1.7	1.5	1.4	1.7	1.5				
44	1.7	1.5	1.4	1.7	1.5				
46	1.7	1.5	1.4	1.7	1.5	1.3			
48	1.7	1.5	1.4	1.7	1.5	1.3			
50	1.7	1.5	1.4	1.7	1.5	1.3			
52	1.7	1.5	1.4	1.7	1.5	1.3			
54	1.7	1.5	1.4	1.7	1.5	1.3			
n	1	1	1	1	1	1			
%	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	45-82			49-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
m/s	9	9	9	9	9	9			



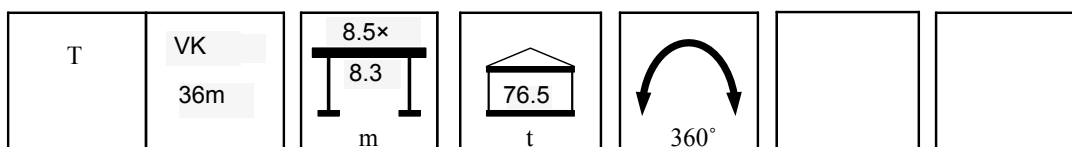




**36m Boom – extension and jib, 76.5t Counterweight**

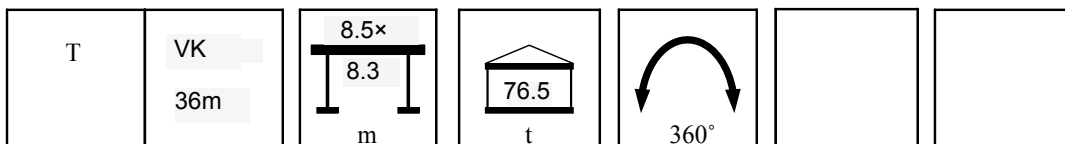
T	VK
76.5	36m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.7			2.3			2.2		
28	2.5			2.3			2.2		
30	2.4			2.3			2.2		
32	2.4	1.9		2.3	1.8		2.2		
34	2.4	1.9		2.3	1.8		2.2	1.7	
36	2.3	1.8		2.3	1.8		2.2	1.7	
38	2.2	1.8		2.3	1.7		2.2	1.7	
40	2.2	1.8		2.2	1.7		2.1	1.7	
42	2.2	1.7	1.5	2.2	1.7	1.5	2.1	1.7	1.5
44	2.1	1.7	1.5	2.1	1.7	1.5	2.0	1.6	1.5
46	2.0	1.7	1.5	2.0	1.6	1.5	2.0	1.6	1.5
48	1.9	1.5	1.5	2.0	1.6	1.5	1.9	1.6	1.5
50	1.9	1.5	1.4	1.9	1.6	1.4	1.9	1.5	1.4
52	1.8	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4
54	1.7	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4
56	1.7	1.5	1.4	1.7	1.4	1.4	1.7	1.4	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	27-82			27-82			25-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
76.5	36m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
58	1.7	1.4	1.4	1.7	1.4	1.4	1.7	1.4	1.4
60	1.7	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.4
62	1.6	1.4	1.4	1.5	1.4	1.4	1.6	1.4	1.4
64	1.6	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4
66	1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4
68	1.5	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4
70	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4
74	1.4	1.3	1.4	1.4	1.3	1.4	1.4	1.3	1.4
76	1.4	1.3		1.4	1.3	1.4	1.4	1.3	1.4
78	1.3	1.3		1.4	1.3	1.4	1.3	1.3	1.4
80		1.2		1.3	1.3		1.3	1.2	1.4
82		1.1		1.3	1.2		1.1	1.1	
84				1.1	1.1		1.1	0.9	
86				0.9					
n	2	2	1	2	2	1	2	2	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	27-82			27-82			25-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9







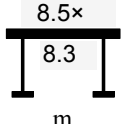
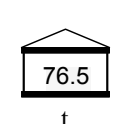
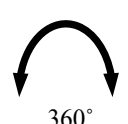
T	VK
76.5	36m

 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
20									
22									
24	1.7			1.7					
26	1.7			1.7					
28	1.7			1.7					
30	1.7			1.7					
32	1.7			1.7					
34	1.7			1.7					
36	1.7			1.7					
38	1.7	1.5		1.7	1.5				
40	1.7	1.5		1.7	1.5				
42	1.7	1.5		1.7	1.5				
44	1.7	1.5		1.7	1.5				
46	1.7	1.5	1.3	1.7	1.5	1.3			
48	1.7	1.5	1.3	1.7	1.5	1.3			
50	1.7	1.5	1.3	1.7	1.5	1.3			
52	1.7	1.5	1.3	1.7	1.4	1.3			
54	1.7	1.4	1.3	1.6	1.4	1.3			
56	1.6	1.4	1.3	1.6	1.4	1.3			
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			34-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

T	VK 36m	 m	 t	 360°		
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T	VK
76.5	36m

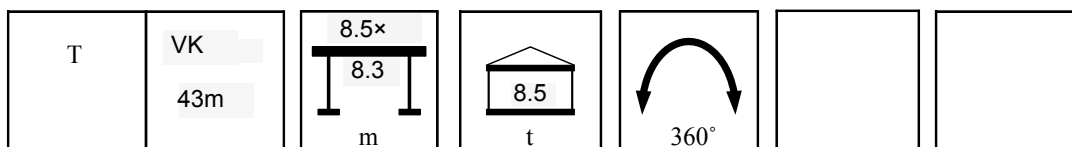
 m	 m > t								
	63.6			68.0					
	0°	20°	40°	0°	20°	40°			
58	1.6	1.4	1.3	1.5	1.4	1.3			
60	1.5	1.4	1.3	1.5	1.4	1.3			
62	1.5	1.4	1.3	1.5	1.4	1.3			
64	1.5	1.4	1.3	1.4	1.4	1.3			
66	1.4	1.4	1.3	1.4	1.4	1.3			
68	1.4	1.4	1.3	1.4	1.3	1.3			
70	1.4	1.3	1.3	1.3	1.3	1.3			
72	1.3	1.3	1.3	1.2	1.3	1.3			
74	1.2	1.3	1.2	1.1	1.2	1.2			
76	1.1	1.2	1.2	1.0	1.2	1.2			
78	1.0	1.2	1.2	0.9	1.1	1.2			
80	0.9	1.1	1.1		1.0	1.1			
82		1.0	1.1		0.9	1.1			
84		0.9	0.9			0.9			
86									
n	1	1	1	1	1	1			
 %	2	92	92	92	100	100	100		
	3	92	92	92	100	100	100		
	4	92	92	92	100	100	100		
	5	92	92	92	100	100	100		
	6	92	92	92	100	100	100		
	7	92	92	92	100	100	100		
Boom Angle(°)	28-82			34-82					
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg			
 m/s	9	9	9	9	9	9			

T	VK 36m					
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43m Boom – extension and jib, 8.5t Counterweight

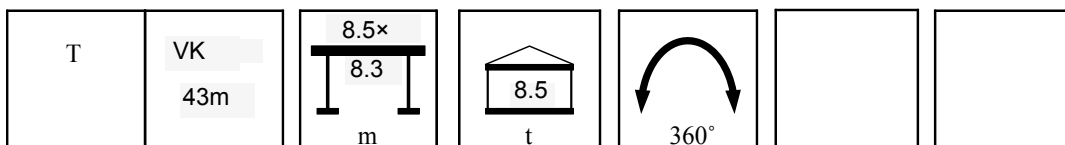
T	VK
8.5	43m

m	$m > t$								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
16	2.7			2.3					
18	2.7			2.3			2.2		
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.5			2.3			2.2		
28	2.4	1.9		2.3	1.8		1.8		
30	2.4	1.9		2.0	1.8		1.4	1.7	
32	2.2	1.9		1.7	1.8			1.7	
34	1.7	1.9		1.2	1.8			1.7	
36	1.3	1.8			1.8			1.7	
38		1.8	1.5		1.7	1.5		1.5	1.5
40		1.8	1.5		1.7	1.5		1.2	1.5
42		1.4	1.5		1.3	1.5			1.5
44		1.3	1.5			1.5			1.5
46			1.4			1.4			1.4
48			1.1			1.1			
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	64-82			64-82			64-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



T	VK
8.5	43m

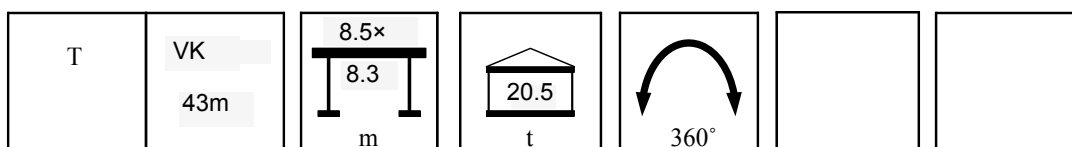
m	m > t							
	63.6							
	0°	20°	40°					
16								
18								
20								
22	1.7							
24	1.7							
26	1.7							
28	1.3							
30	1.0							
32		1.3						
34		1.3						
36		1.3						
38		1.3						
40		1.3	1.3					
42			1.3					
44			1.3					
46			1.3					
48			1.0					
n	1	1	1					
%	2	92	92	92				
	3	92	92	92				
	4	92	92	92				
	5	92	92	92				
	6	92	92	92				
	7	92	92	92				
	Boom Angle(° )	64-82						
Hook Weight	447Kg	447Kg	447Kg					
m/s	9	9	9	9	9	9		



**43m Boom – extension and jib, 20.5t Counterweight**

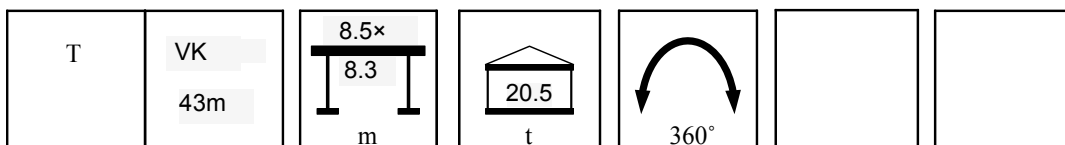
T	VK
20.5	43m

 m	 m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
16	2.7			2.3					
18	2.7			2.3			2.2		
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.5			2.3			2.2		
28	2.4	1.9		2.3	1.8		2.2		
30	2.4	1.9		2.3	1.8		2.2	1.7	
32	2.4	1.9		2.3	1.8		2.2	1.7	
34	2.3	1.9		2.3	1.8		2.2	1.7	
36	2.2	1.8		2.2	1.8		1.9	1.7	
38	2.2	1.8	1.5	2.0	1.8	1.5	1.5	1.7	1.5
40	2.2	1.8	1.5	1.6	1.8	1.5	1.1	1.7	1.5
42	1.8	1.7	1.5	1.3	1.7	1.5		1.7	1.5
44	1.5	1.7	1.5	1.1	1.7	1.5		1.6	1.5
46	1.2	1.7	1.4		1.6	1.4		1.5	1.4
48	1.0	1.5	1.4		1.6	1.4		1.2	1.4
50		1.5	1.4		1.4	1.4			1.4
52		1.1	1.4		1.0	1.4			1.4
54			1.4			1.4			1.2
56			1.1			1.0			
58			1.0						
n	1	1	1	1	1	1	1	1	1
 %	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	57-82			60-82			65-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
 m/s	9	9	9	9	9	9	9	9	9



T	VK
20.5	43m

m	m > < t							
	63.6							
	0°	20°	40°					
20								
22	1.7							
24	1.7							
26	1.7							
28	1.7							
30	1.7							
32	1.7	1.5						
34	1.7	1.5						
36	1.4	1.5						
38	1.0	1.5						
40		1.5	1.4					
42		1.5	1.4					
44		1.5	1.4					
46		1.3	1.3					
48		1.0	1.3					
50			1.3					
52			1.3					
54			1.1					
56								
58								
n	1	1	1					
%	2	92	92	92				
	3	92	92	92				
	4	92	92	92				
	5	92	92	92				
	6	92	92	92				
	7	92	92	92				
	Boom Angle(° )	66-82						
Hook Weight	447Kg	447Kg	447Kg					
m/s	9	9	9					

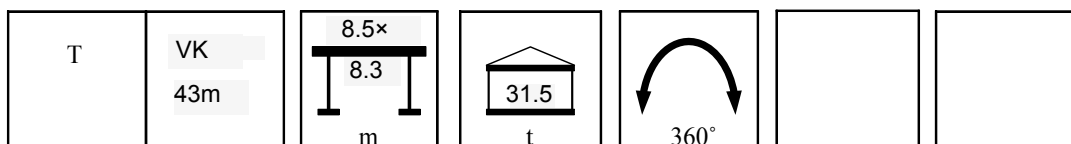




**43m Boom – extension and jib, 31.5t Counterweight**





T	VK
31.5	43m

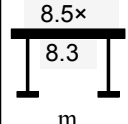
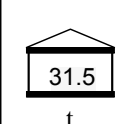

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
16	2.7			2.3					
18	2.7			2.3			2.2		
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.5			2.3			2.2		
28	2.4	1.9		2.3	1.8		2.2		
30	2.4	1.9		2.3	1.8		2.2	1.7	
32	2.4	1.9		2.3	1.8		2.2	1.7	
34	2.3	1.9		2.3	1.8		2.2	1.7	
36	2.2	1.8		2.2	1.8		2.2	1.7	
38	2.2	1.8	1.5	2.2	1.8	1.5	2.1	1.7	1.5
40	2.2	1.8	1.5	2.1	1.8	1.5	2.1	1.7	1.5
42	2.1	1.7	1.5	2.0	1.7	1.5	2.0	1.7	1.5
44	2.0	1.7	1.5	2.0	1.7	1.5	2.0	1.6	1.5
46	1.9	1.7	1.4	1.9	1.6	1.4	1.7	1.6	1.4
48	1.9	1.5	1.4	1.8	1.6	1.4	1.5	1.6	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	50-82			52-82			56-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	VK
31.5	43m

 m	 m > t							
	63.6							
	0°	20°	40°					
20								
22	1.7							
24	1.7							
26	1.7							
28	1.7							
30	1.7							
32	1.7	1.5						
34	1.7	1.5						
36	1.7	1.5						
38	1.7	1.5						
40	1.7	1.5	1.4					
42	1.7	1.5	1.4					
44	1.7	1.5	1.4					
46	1.4	1.5	1.3					
48	1.1	1.5	1.3					
50	0.9	1.5	1.3					
n	1	1	1					
 %	2	92	92	92				
	3	92	92	92				
	4	92	92	92				
	5	92	92	92				
	6	92	92	92				
	7	92	92	92				
Boom Angle(°)	60-82							
Hook Weight	447Kg	447Kg	447Kg					
 m/s	9	9	9					

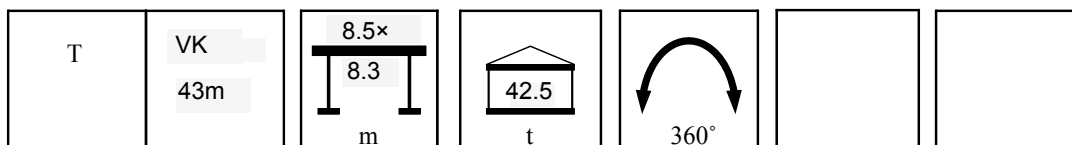
T	VK 43m					
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**43m Boom – extension and jib, 42.5t Counterweight**





T	VK
42.5	43m

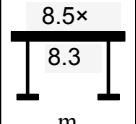
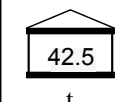

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
16	2.7			2.3					
18	2.7			2.3			2.2		
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.5			2.3			2.2		
28	2.4	1.9		2.3	1.8		2.2		
30	2.4	1.9		2.3	1.8		2.2	1.7	
32	2.4	1.9		2.3	1.8		2.2	1.7	
34	2.3	1.9		2.3	1.8		2.2	1.7	
36	2.2	1.8		2.2	1.8		2.2	1.7	
38	2.2	1.8	1.5	2.2	1.8	1.5	2.1	1.7	1.5
40	2.2	1.8	1.5	2.1	1.8	1.5	2.1	1.7	1.5
42	2.1	1.7	1.5	2.0	1.7	1.5	2.0	1.7	1.5
44	2.0	1.7	1.5	2.0	1.7	1.5	2.0	1.6	1.5
46	1.9	1.7	1.4	1.9	1.6	1.4	1.9	1.6	1.4
48	1.9	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	39-82			46-82			50-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





T	VK
42.5	43m

 m	 m > t							
	63.6							
	0°	20°	40°					
20								
22	1.7							
24	1.7							
26	1.7							
28	1.7							
30	1.7							
32	1.7	1.5						
34	1.7	1.5						
36	1.7	1.5						
38	1.7	1.5						
40	1.7	1.5	1.4					
42	1.7	1.5	1.4					
44	1.7	1.5	1.4					
46	1.7	1.5	1.4					
48	1.7	1.5	1.4					
50	1.7	1.5	1.4					
n	1	1	1					
 %	2	92	92	92				
	3	92	92	92				
	4	92	92	92				
	5	92	92	92				
	6	92	92	92				
	7	92	92	92				
Boom Angle(°)	52-82							
Hook Weight	447Kg	447Kg	447Kg					
 m/s	9	9	9					

T	VK 43m					
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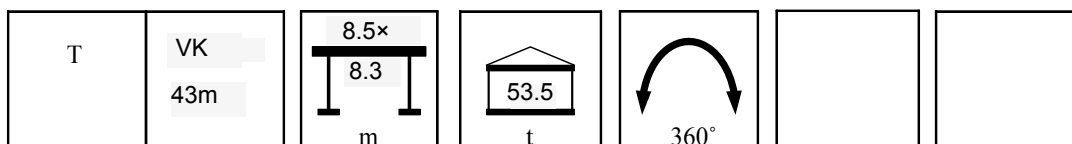




**43m Boom – extension and jib, 53.5t Counterweight**

T	VK
53.5	43m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
16	2.7			2.3					
18	2.7			2.3			2.2		
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.5			2.3			2.2		
28	2.4	1.9		2.3	1.8		2.2		
30	2.4	1.9		2.3	1.8		2.2	1.7	
32	2.4	1.9		2.3	1.8		2.2	1.7	
34	2.3	1.9		2.3	1.8		2.2	1.7	
36	2.2	1.8		2.2	1.8		2.2	1.7	
38	2.2	1.8	1.5	2.2	1.8	1.5	2.1	1.7	1.5
40	2.2	1.8	1.5	2.1	1.8	1.5	2.1	1.7	1.5
42	2.1	1.7	1.5	2.0	1.7	1.5	2.0	1.7	1.5
44	2.0	1.7	1.5	2.0	1.7	1.5	2.0	1.6	1.5
46	1.9	1.7	1.4	1.9	1.6	1.4	1.9	1.6	1.4
48	1.9	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4
50	1.8	1.5	1.4	1.8	1.6	1.4	1.8	1.5	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	29-82			37-82			43-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9





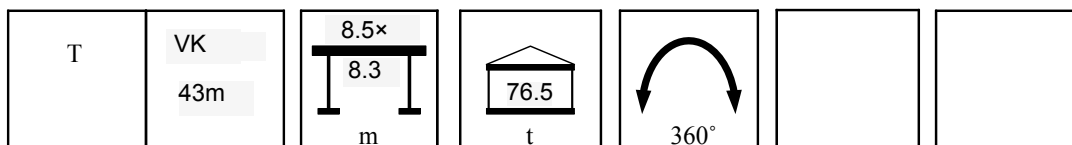




**43m Boom – extension and jib, 76.5t Counterweight**

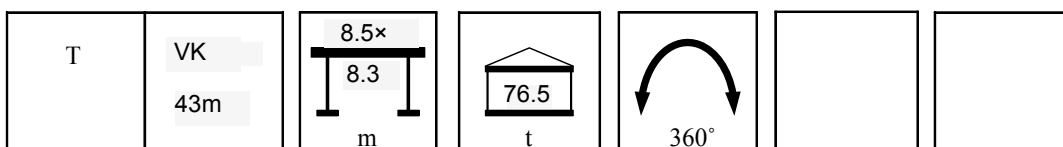
T	VK
76.5	43m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
16	2.7			2.3					
18	2.7			2.3			2.2		
20	2.7			2.3			2.2		
22	2.7			2.3			2.2		
24	2.7			2.3			2.2		
26	2.5			2.3			2.2		
28	2.4	1.9		2.3	1.8		2.2		
30	2.4	1.9		2.3	1.8		2.2	1.7	
32	2.4	1.9		2.3	1.8		2.2	1.7	
34	2.3	1.9		2.3	1.8		2.2	1.7	
36	2.2	1.8		2.2	1.8		2.2	1.7	
38	2.2	1.8	1.5	2.2	1.8	1.5	2.1	1.7	1.5
40	2.2	1.8	1.5	2.1	1.8	1.5	2.1	1.7	1.5
42	2.1	1.7	1.5	2.0	1.7	1.5	2.0	1.7	1.5
44	2.0	1.7	1.5	2.0	1.7	1.5	2.0	1.6	1.5
46	1.9	1.7	1.4	1.9	1.6	1.4	1.9	1.6	1.4
48	1.9	1.5	1.4	1.8	1.6	1.4	1.9	1.6	1.4
50	1.8	1.5	1.4	1.8	1.6	1.4	1.8	1.5	1.4
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	27-82			27-82			25-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9







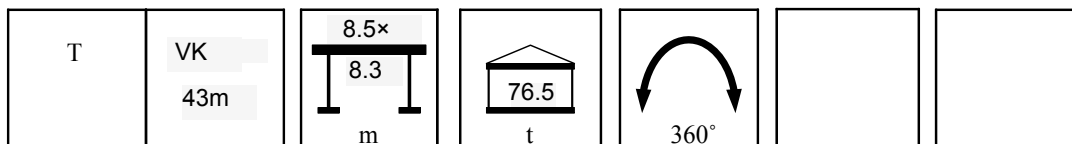
T	VK
76.5	43m

m	m > t								
	51.0			55.2			59.5		
	0°	20°	40°	0°	20°	40°	0°	20°	40°
52	1.8	1.5	1.4	1.8	1.5	1.4	1.8	1.5	1.4
54	1.8	1.5	1.4	1.8	1.5	1.4	1.7	1.5	1.4
56	1.7	1.5	1.4	1.6	1.4	1.4	1.7	1.4	1.4
58	1.7	1.5	1.4	1.6	1.4	1.4	1.6	1.4	1.4
60	1.6	1.5	1.4	1.6	1.4	1.4	1.6	1.4	1.4
62	1.6	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4
64	1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4
66	1.5	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4
68	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4
70	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.3	1.4
74	1.4	1.3	0.0	1.4	1.3	1.4	1.4	1.3	1.4
76	1.3	1.3		1.3	1.3		1.3	1.3	1.4
78	1.1	1.3		1.3	1.3		1.3	1.3	
80		1.2		1.3	1.3		1.1	1.2	
82		1.1		1.3	1.2		1.1	1.2	
84					1.1			1.1	
n	1	1	1	1	1	1	1	1	1
%	2	92	92	92	92	92	92	92	92
	3	92	92	92	92	92	92	92	92
	4	92	92	92	92	92	92	92	92
	5	46	46	46	92	92	92	92	92
	6	46	46	46	46	46	46	92	92
	7	46	46	46	46	46	46	46	46
Boom Angle(°)	27-82			27-82			25-82		
Hook Weight	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg	447Kg
m/s	9	9	9	9	9	9	9	9	9



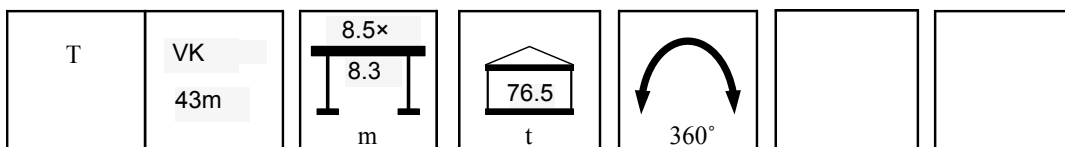
T	VK
76.5	43m

 m	 m > t							
	63.6							
	0°	20°	40°					
16								
18								
20								
22	1.7							
24	1.7							
26	1.7							
28	1.7							
30	1.7							
32	1.7	1.5						
34	1.7	1.5						
36	1.7	1.5						
38	1.7	1.5						
40	1.7	1.5	1.4					
42	1.7	1.5	1.4					
44	1.7	1.5	1.4					
46	1.7	1.5	1.4					
48	1.7	1.5	1.4					
50	1.7	1.5	1.4					
n	1	1	1					
 %	2	92	92	92				
	3	92	92	92				
	4	92	92	92				
	5	92	92	92				
	6	92	92	92				
	7	92	92	92				
Boom Angle(°)	28-82							
Hook Weight	447Kg	447Kg	447Kg					
 m/s	9	9	9					



T	VK
76.5	43m

m	m > t								
	63.6								
	0°	20°	40°						
52	1.7	1.4	1.4						
54	1.6	1.4	1.4						
56	1.6	1.4	1.4						
58	1.5	1.4	1.4						
60	1.5	1.4	1.4						
62	1.5	1.4	1.4						
64	1.4	1.4	1.4						
66	1.4	1.4	1.4						
68	1.4	1.3	1.4						
70	1.3	1.3	1.4						
72	1.2	1.3	1.4						
74	1.1	1.2	1.3						
76	1.0	1.2	1.2						
78	0.9	1.1	1.2						
80		1.0	1.1						
82		0.9	1.1						
84			0.9						
n	1	1	1						
%	2	92	92	92					
	3	92	92	92					
	4	92	92	92					
	5	92	92	92					
	6	92	92	92					
	7	92	92	92					
Boom Angle(° )	28-82								
Hook Weight	447Kg	447Kg	447Kg						
m/s	9	9	9						







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