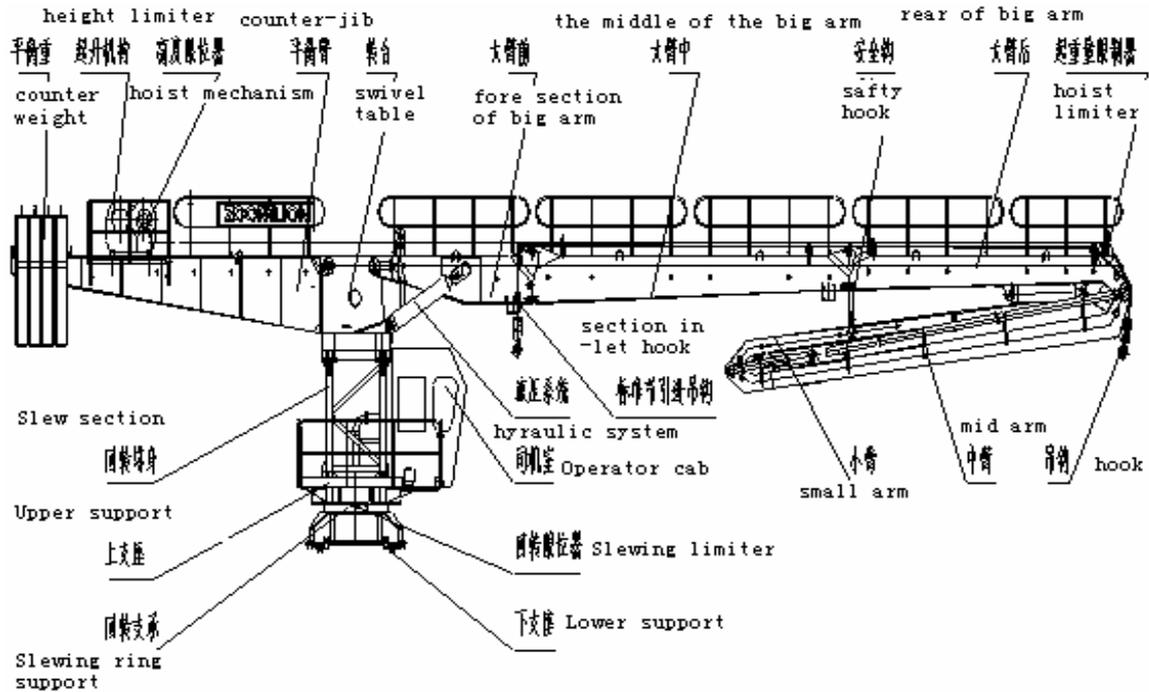


HG38 Conceret Placing Boom Technical Data

I . The construction of the upper part of HG38 tower type of concrete placing boom



II.Erection and Dismantling

Before the self jacking use tower crane in the worksite to install the base section, or base on the order of following figure is the order of install. Choose the proper truck crane.

Component weight and height

| NO. | Designation | | Weight (kg) | Embedded Anchor H (m) | Undercarriage Stationary H (m) | Traveling H (m) |
|-----|---------------------|----------------------------------|-------------|-----------------------|--------------------------------|-----------------|
| 1 | Traveling mechanism | Driving Bogie | 2X850 | | | 1.2 |
| 2 | | Driven Bogie | 2X650 | | | 1.2 |
| 3 | Mobil Chassis | Total Beam | 1723 | | 0.9 | 1.6 |
| 4 | | Semi-Beam | 2X829 | | 0.9 | 1.6 |
| 5 | | Tie Rod | 4X115 | | 0.9 | 1.6 |
| 6 | | Base Section 1 Base Section 2 | 3035 | | 6.9 | 7.6 |
| 7 | Tower Strut | | 4X300 | | 5.4 | 6.1 |

| | | | | | | |
|----|---|----------------------|-----------|-------|-------|-------|
| 8 | Ballast | Ballast 1 | 4X3500 | | 1 | 1.7 |
| 9 | | Ballast 2 | 14X3400 | | 3.2 | 3.9 |
| 10 | Tower Section Assembly | Base Tower Section B | 1250 | 3.7 | | |
| 11 | | Tower Section A+B | 1100+1230 | | 9.6 | 10.3 |
| 12 | | Tower Section B | 2X1230 | 9.3 | | |
| 13 | Climbing Frame | | 4000 | 15.8 | 19.0 | 19.7 |
| 14 | Slewing Assembly (Assembly of Upper and Lower Support + Slewing Ring) | | 3000 | 11.4 | 14.6 | 15.3 |
| 15 | Operator Cab | | 500 | 13.2 | 16.4 | 17.1 |
| 16 | Slewing Tower Section | | 900 | 12.5 | 15.9 | 16.6 |
| 17 | Swivel Table + fore Section Arm + cylinder of Big Arm | | 6900 | 15.5 | 18.6 | 19.3 |
| 18 | Assembly of Counter Jib (include hoist mechanism) | | 3500 | 15.5 | 18.6 | 19.3 |
| 19 | First Block Counter Weight | | 5200 | 16.4 | 19.5 | 20.2 |
| 20 | The Middle of Big Arm | | 2480 | 15.5 | 18.6 | 19.3 |
| 21 | Assembly of Fore Section of Big Arm + Middle Arm + Small Arm | | 4700 | 15.5 | 18.6 | 19.3 |
| 22 | The Rest of Counter Weight | | 5200 | 16.4 | 19.5 | 20.2 |
| 23 | THE Total Weight of Stationary Height Counter Weights and Ballast | | | 44280 | 48870 | 51870 |

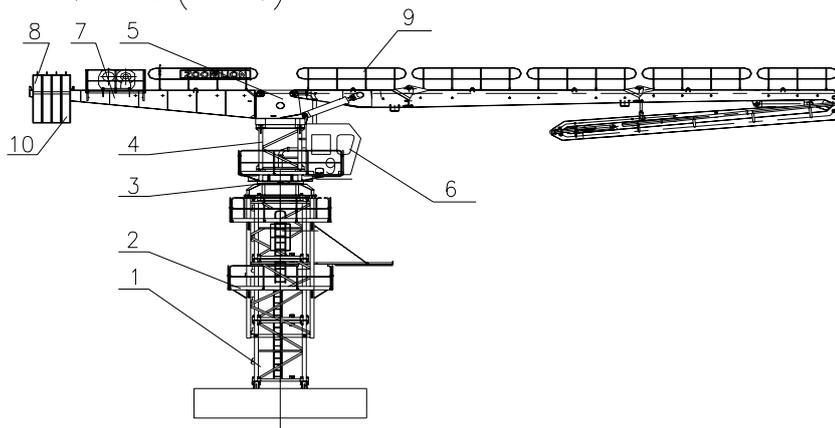
1.1 tower section

- (1) erect tower section (2) hoist climbing frame
 (3) install the assembly of slewing ring (4) installs the slewing tower section

HG38 Concrete Placing Boom

- | | |
|--------------------------------------|--|
| (5) install the swivel table | (6) installs the operator cab |
| (7) install counter-jib assembly | (8) hoist a 5.02 ton counter weight |
| (9) install the assembly of boom jib | (10) install the counter weight (the rest) |

- | | | |
|-----------------|----------------------|-------------|
| (1) 安装塔身节； | (2) 吊装爬升架； | (3) 安装回转总成 |
| (4) 安装回转塔身； | (5) 安装转台； | (6) 安装司机室； |
| (7) 安装平衡臂总成； | (8) 吊装一块5.20t 重的平衡重； | (9) 安装布料臂总成 |
| (10) 配装平衡重(余下的) | | |



1.1.1 Structure Description

Tower section include tower section B (outrigger stationary has 3 sections B, one of them which is equipped switch and name plate is called base section B. Chassis stationary has one traveling cruciform base template) and several tower section A. There are 12 bolt joints on the upper and lower ends of each chord of section B. 8 bolt joints on the upper and lower ends of each chord of tower section A. The tower sections are integral construction of square shaped steel tube structure. Each tower section has ladder for climbing and a platform for having a rest. Shown as Fig.1-2

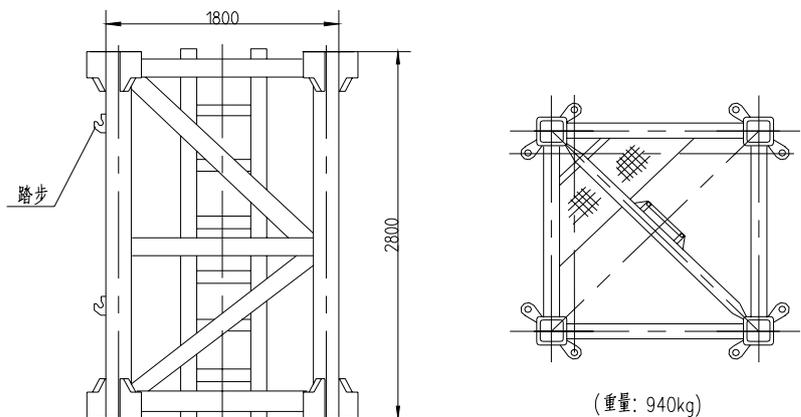


Fig.1-2 Tower Section

1.1.2 Climbing Frame

1.1.2.1 Structure Description (shown as Fig.1-4)

Climbing frame consists of climbing frame structure, platform, climbing stairs, hydraulic jack system and let-in device for tower section. Its function is jacking and lowering the placing boom.

Climbing jack is mounted on the beam of rear side of climbing frame (e.g. at the side of pre-assembled counter-jib) 16 wheels are equipped inside of climbing frame. The wheel supports the outside of chord of tower during jack.

For the convenience of erecting and the purpose safety jack, plate forms are provided at the top of and in the middle of the climbing fame, including plate form on the inlet beam. The worker standing on the platform to achieve the work of jacking, inlet tower section and fasten the bolts.

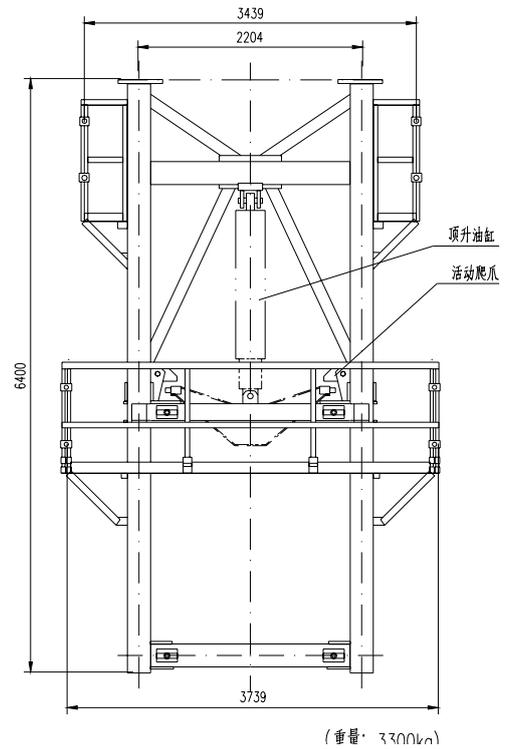


Fig.1-4 Climbing Frame

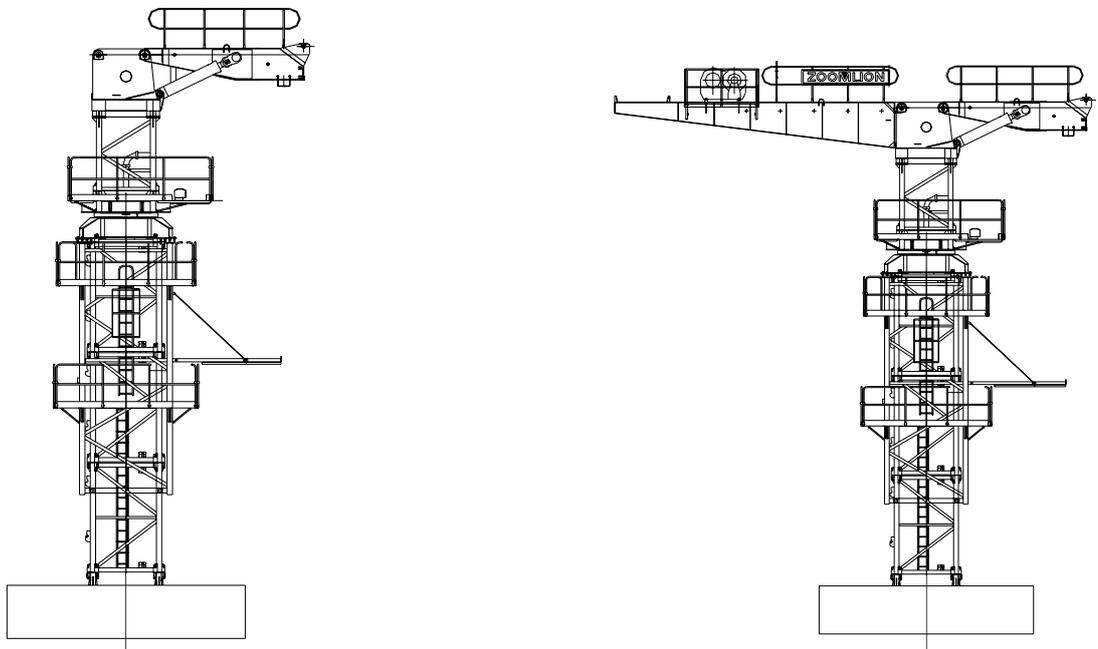


Fig. 1-8