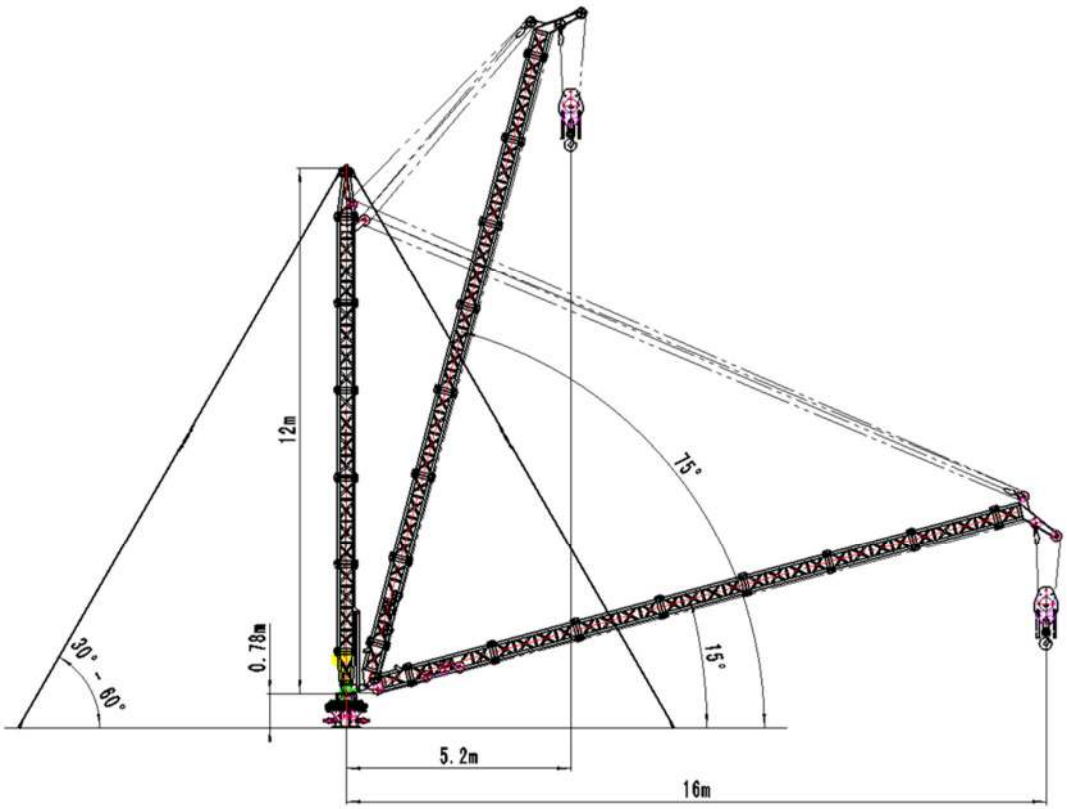
1. Main parameters



Jib length [m]	Fall	Radius [M] Load [t]						
		5.2	8	10	12	14	15	16
15.6	Ⅰ	2	2	2	2	2	2	2
15.6	Ⅱ	4	4	4	4	4	4	4

Main performance parameters of crane

Max. lifting capacity	4000 (kg)	Max. hoisting height		13.2 (m)	
Max. working radius	16 (m)	Crane weight (excluded winch)		3.0 (t)	
Description for winch (mechanism)		**ⅡFall**		Drum capacity (m)	Motor (kW)
Hoisting winch	30LFV20	m/min	t	500	30
		0 — 40 0 — 48 0 — 80	4.0 2.0 0.75		
Luffing winch	24PQC20W	15° ~ 75° 1.5min		340	24/24/5.5
Slewing mechanism	RTC95	0 ~ 0.7rpm			95N·m

2.2 Fitting the fixing foundation

2.2.1 Crane force diagram Fig.2.2-1

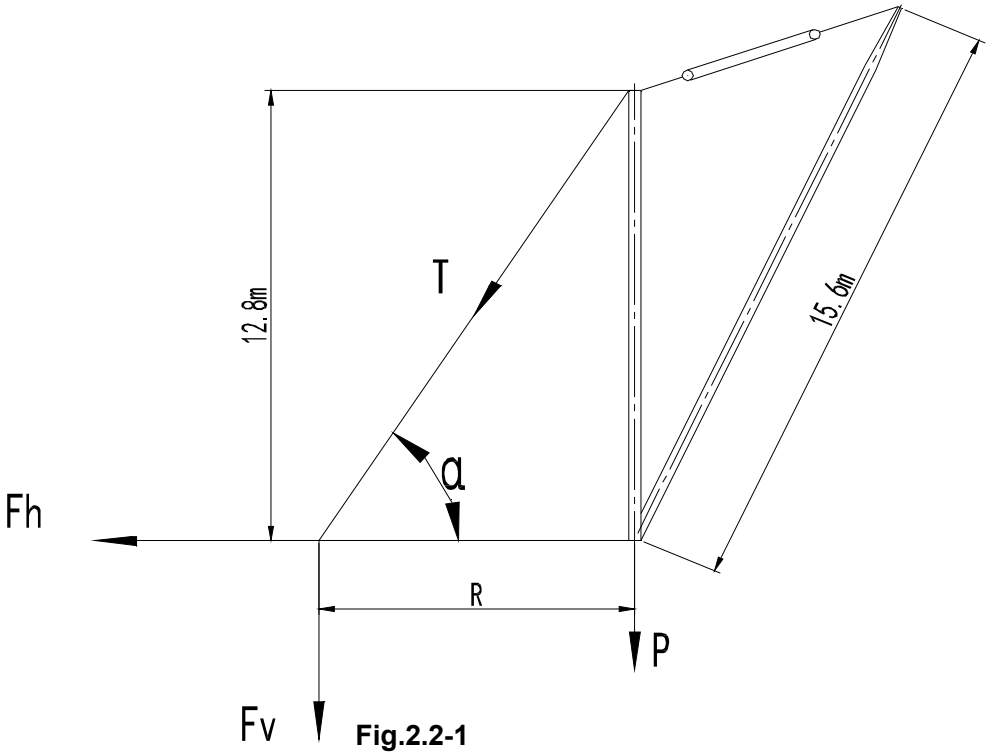


Fig.2.2-1

Foundation force chart of tower crane

Angle between rope and ground surface α°	Mast foundation press P/KN	Single rope tension T/KN	Rope horizontal tension F_h/KN	Rope initial tension T_0/KN	Pressure on the embedded parts of the guy rope Fv/KN
70 (lifted load≤2t)	246.1	76.5	26.2	18.7	71.9
60	297.23	92.7	46.4	18.7	80.3
50	246.06	72.0	46.3	18.7	55.2
40	207.24	60.4	46.3	18.7	38.8
30	173.63	53.4	46.3	18.7	26.7

Note: When the angle between the guy rope and the ground surface is 70°, the lifted load shall not exceed 2t.

2.2.2 Fitting the fixing foundation

1. Fix foundation onto the center of the slewing, after installing the embedded part, the flatness is not more than 1mm; bolt left out is not lower than 75mm height. (See Fig.2.2-2)

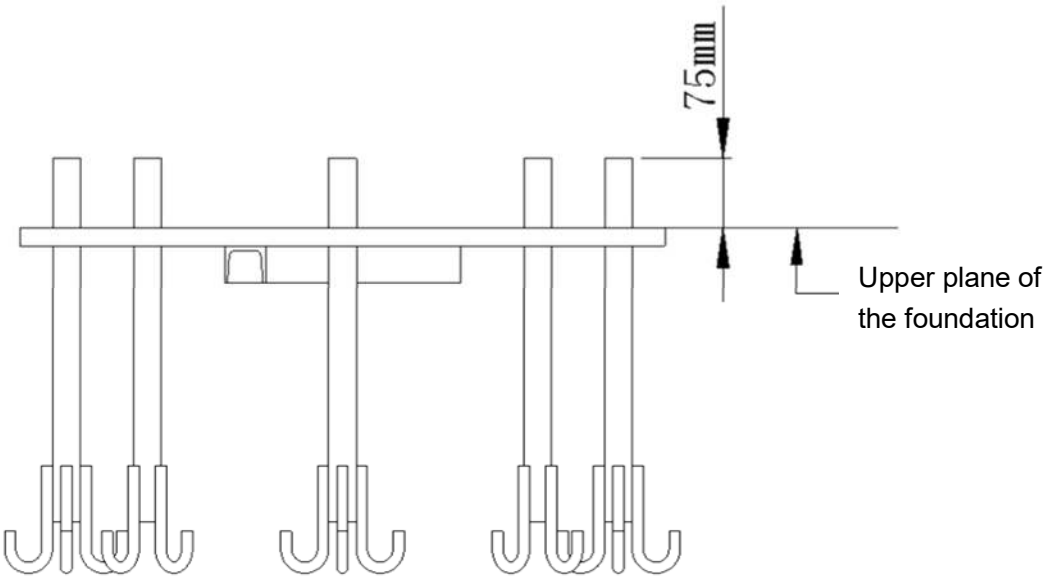


Fig. 2.2-2

2. Install 6 pieces of wind proofing rope are equispaced as a circle to fix the foundation, for mounting dimensions, see following table, you must to ensure that the center of a circle locate on the center of the fixing foundation (see Fig.2.2-3) .

Embedded dimension of the wind proofing rope at the point of the fixing foundation

Angle between rope and ground surface α°	Distance between rope foundation and slewing center R/m	Rope reference length m
70	5	17
60	7.5	18
50	11	20
40	15	23
30	22	29