

# Crane Analysis

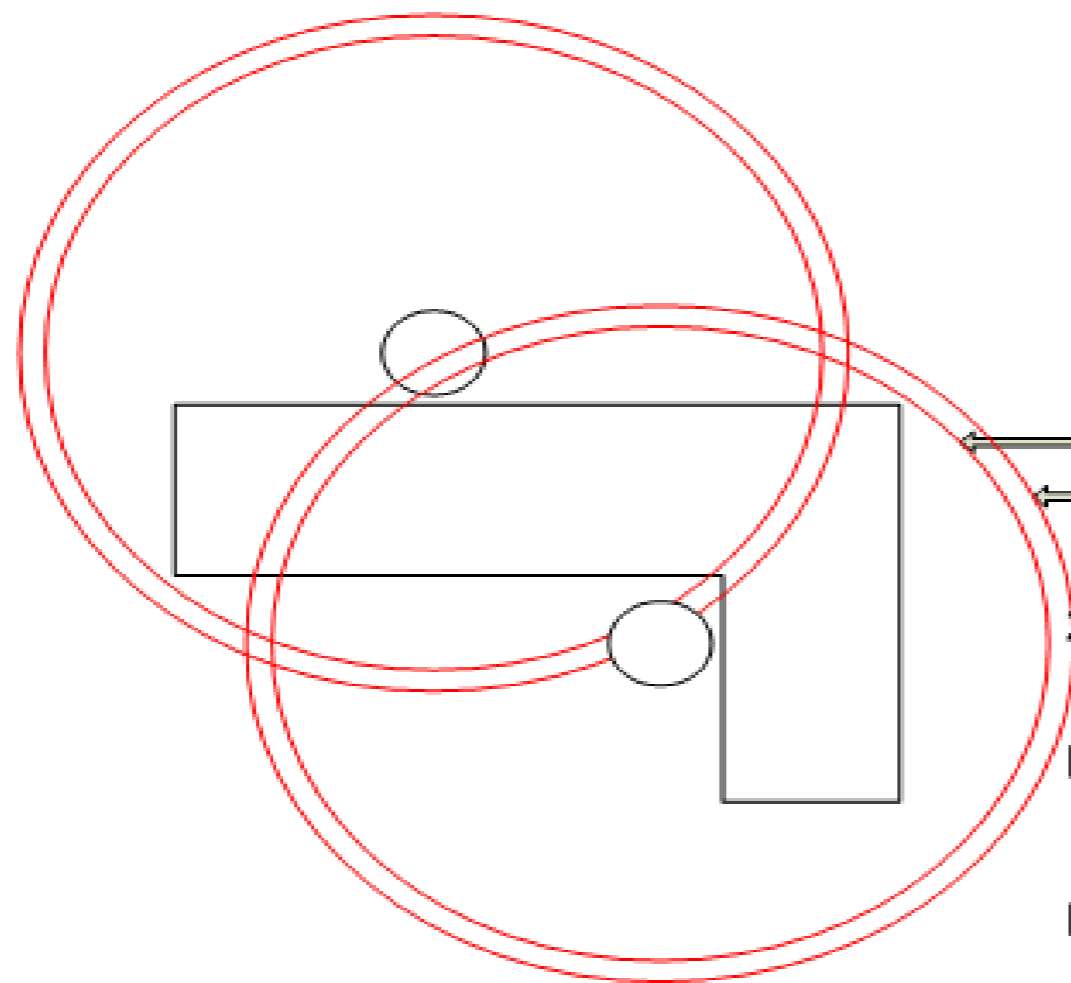
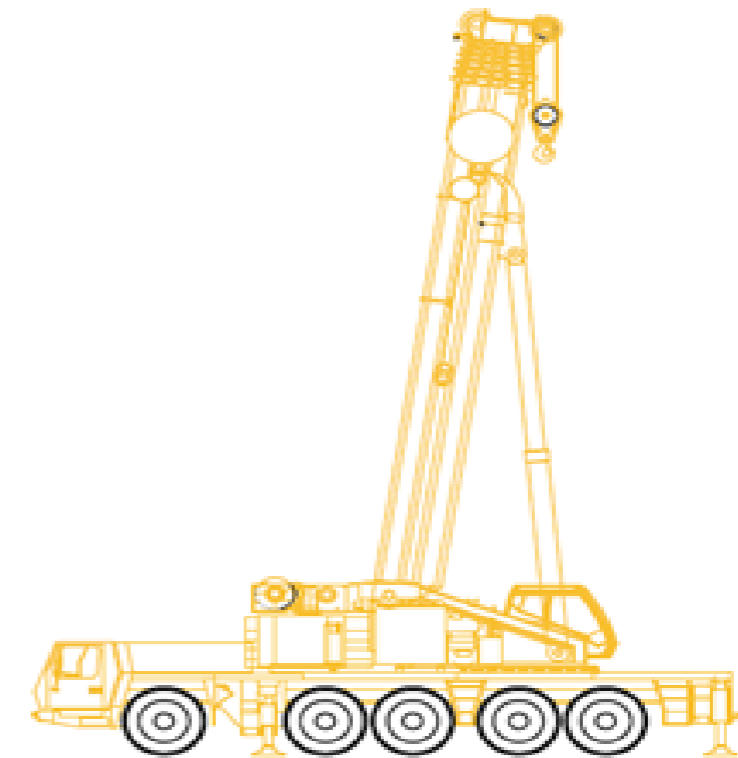
# GEO

220 Grove 6MK 5220 (Kontra 77t) 3000,- kr/H

## GEO

Radius is 32cm  
on the wall elements

Radius is 30cm  
on the huldæk  
elements



← Radius for huldæk elements  
← Radius for wall elements

2 movements = 60 min

Mounting 100 wall elements = 3000min

Mounting 40 huldæk elements = 800 min

In all 3860 min or 64,3 hours

Total 64 hours x 3000 kr = 192900 Kr

# Calculation for crane use

**In- and external walls** of light concrete (erected by crane)

Type of elements	T	M	F+ U
Vertical B = 0,60 m	0,10 mh/pcs	0,35 mh/pcs	0,09 mh/pcs
Horizontal H = 0,60	0,15 mh/pcs	0,60 mh/pcs	0,60 mh/pcs
Parapet	0,18 mh/pcs	1,20 mh/pcs	1,15 mh/pcs
Bigelements < 0,15 m	0,20 mh/pcs	1,00 mh/pcs	1,00 mh/pcs
Bigelements > 0,15 m	0,20 mh/pcs	1,20 mh/pcs	1,20 mh/pcs

The work volume is anticipated to 4000 pcs, by 500 pcs, add 24%

**Beams and columns**

Type of element	T	M	J
Beam l = 4,75 m	0, 18 mh/pcs	0,57 mh/pcs	0,13 mh/pcs
Column l = 2,75 m	0,12 mh/pcs	0,90 mh/pcs	0,10 mh/pcs

The House was 240 elements total  
 141 Slabs 180mm 220mm 320mm  
 99 external and internal elements plus  
 staircase elements.

240 elements / with 13 elements per day  
 is **18,5 days** for mounting all the elements.

Calculation done according to

**35 min** per element (Performance Data)

Working day = **7,5**

= **Max 13 Elements per day!**

Mobile crane

Max weight per element = **6,1 tons**

Working radius = **Max 32m**

It will take 1,5 month to rise up the house.

800 per hour x 7,5 working day = 6000 dk a day x  
 30 days = **180.000 dk.**

**Total 180.000 dk for the crane for mounting the  
 elements.**

# 60t

## All terrain

Type: Liebherr LTM 1060-2

