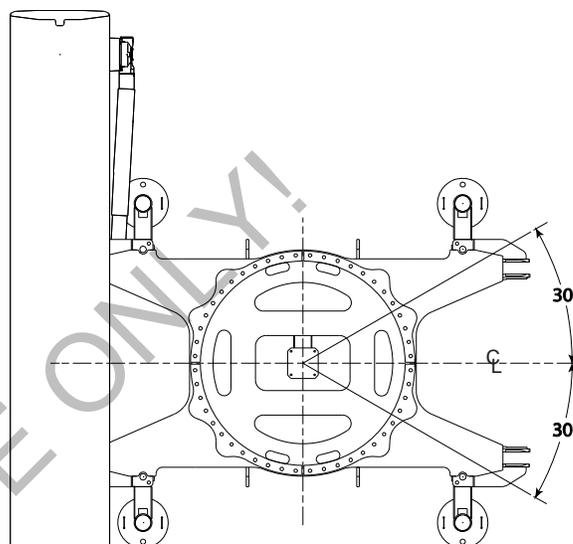


# Liftcrane Mast Handling Capacities

Operating limits for crane assembly - Gantry Up  
Weight of block, hooks, chains and hoist lines is part of load  
Mast angles in table measured from transport position

30.0 ft Mast			
Operating Radius	Mast Angle	Crane on Jacks	Crane on Crawlers
Feet	Degrees	Pounds	Pounds
9.5	102.0	50,000	50,000
10	102.8	50,000	50,000
12	106.8	50,000	50,000
14	110.8	50,000	50,000
16	115.0	49,100	50,000
18	119.3		50,000
20	123.8		50,000
22	128.5		50,000
24	133.5		50,000
26	139.1		50,000
28	145.3		50,000
29	148.8		50,000

Swing Diagram



### Operating Restrictions on Jacks (four jacks, no crawlers)

- 9.5 ft to 16 ft operating radius —  
360 degree swing permitted for handling loads.
- 9.5 ft to 29 ft operating radius —  
360 degree swing permitted for handling hooks and chains.
- Greater than 29 ft operating radius —  
Block installation only - drum operation not permitted (mast lacing interference).

### Operating Restrictions on Jacks with One Crawler

**Installed** (four jacks with one crawler installed, OR two jacks with one crawler installed and on ground)

- 9.5 ft to 16 ft operating radius —  
30 degree swing either side of center permitted for handling loads. Refer to swing diagram.
- 9.5 ft to 29 ft operating radius —  
360 degree swing permitted for handling hooks and chains.

### Operating Restrictions on Crawlers

- 9.5 ft to 29 ft operating radius —  
360 degree swing permitted for handling loads.
- Greater than 29 ft operating radius —  
Block installation only - drum operation not permitted (mast lacing interference).