

IC-1 Plus



The Demag capacity determination system



Asymmetric outrigger setup for confined spaces

Do more with less

The IC-1 Plus control system adds additional value to your crane as it increases flexibility and enables it to perform more jobs.

Based on the field-proven IC-1 control system, standard on all Demag cranes, the system offers efficient and intuitive touchscreen operation and stores all load charts.

Improve versatility in narrowest jobsites

Paired with the real-time determination of capacities, the asymmetric outrigger setup allows the crane to work in confined spaces without losing lifting capacity. It increases your crane's versatility and enables you to do more jobs.

Unlock all advantages with graphical job planning

PLANNING / SIMULATION OF LIFT FROM OPERATOR CAB

- Usage of touch screen to select load case.
- On-board computation of lifting capacity for determination of set up position.

PLANNING TOOL AVAILABLE IN IC-1 LIFT PLAN

- Easy to access: available online for desktop and mobile devices.
- Free of charge, easy to use tool.
- Access at www.demagmobilecranes-liftplan.com




On-board planning simulation with IC-1 Plus control system



Use your maximum lifting capacity

The IC-1 Plus control system determines lifting capacities for every position of the boom subject to the slewing angle of the superstructure. This enables you to use your maximum lifting capacity especially when lifting over the outriggers. The effect is even higher with reduced outrigger settings and reduced counterweight.

Due to this real time determination the lifting capacity for a defined radius is no longer limited to the minimum value of a pre-calculated 360° lifting capacity: Capacities are computed instantaneously in the cab. Your crane can perform jobs where higher capacity cranes are typically needed.

6,3 t		8,14 m × 7,50 m						360° / Max.*						ISO	
		360° 41,1 m	Max. 41,1 m	360° 45,2 m	Max. 45,2 m	360° 49,2 m	Max. 49,2 m	360° 53,3 m	Max. 53,3 m	360° 57,5 m	Max. 57,5 m	360° 61,6 m	Max. 61,6 m	360° 68,0 m	Max. 68,0 m
m	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
7	30,9	34,3													
8	26,4	33,5	24,4	27,0											
9	23,3	32,3	21,8	26,4	19,0	22,1									
10	20,5	27,5	19,7	25,3	17,8	21,6	16,0	17,3							
12	16,3	22,2	15,5	20,9	14,6	19,0	13,9	17,1	12,2	14,2	11,3	11,9			
14	13,0	18,3	12,4	17,4	12,1	16,5	11,2	15,2	10,2	13,8	9,2	11,7	8,2	8,6	
16	10,6	16,0	10,0	14,7	9,9	14,0	9,1	13,6	8,2	12,3	7,3	11,3	6,3	8,5	
18	8,6	13,6	8,2	13,1	8,1	12,4	7,4	11,6	6,6	10,9	5,6	9,8	4,7	8,5	
20	7,1	11,6	6,6	11,2	6,7	10,6	6,0	10,3	5,2	9,3	4,3	8,3	3,4	7,3	
22	5,8	10,3	5,3	9,9	5,5	9,1	4,8	8,9	4,1	8,0	3,2	7,0	2,4	6,1	
24	4,7	8,9	4,3	8,6	4,5	8,2	3,9	7,7	3,2	6,8	2,4	5,9	1,6	5,0	
26	3,9	7,7	3,5	7,5	3,6	7,5	3,1	6,7	2,4	5,9	1,7	5,0		4,0	
28	3,2	6,9	2,8	6,5	2,9	6,5	2,5	5,8	1,8	5,0	1,1	4,1		3,1	
30	2,6	6,0	2,2	5,6	2,3	5,7	1,9	5,0	1,3	4,2		3,3		2,4	
32	2,1	5,2	1,7	4,8	1,8	4,9	1,4	4,3		3,5		2,6		1,8	
34	1,6	4,5	1,2	4,1	1,4	4,3		3,7		2,9		2,1		1,3	
36	1,2	3,9		3,6		3,7		3,1		2,4		1,6			
38		3,4		3,0		3,1		2,7		2,0		1,2			
40		3,0		2,6		2,7		2,3		1,6					
42				2,2		2,3		1,9		1,2					
44						1,9		1,5							
46						1,6		1,2							
1)		3,2		2,2		1,5									

1) Capacities with horizontal boom * Max. values are valid only for specific superstructure positions

Promote efficient and safe use

The IC-1 Plus control system features an enhanced visualization to provide the crane operator with additional information on capacity in relation to boom position. This colored visualization of the work area capacity promotes both, efficient and safe use.

- Movement speeds reduced prior to auto shut off.
- Auto shut off of movements prior to overload condition.
- Visualization of: Max capacity for +/- 30° slewing angle and luffing area (depending on boom length).
- Determined capacities visible on control screen.



Capacity Radar IC-1 Plus



Reduce your transport costs

The IC-1 Plus control system's real-time determination of lifting capacity allows you to use less counterweight compared to 360° capacities. This results in reduced transport costs.



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