

Crane Capacity Guide

Weight of Lift: 21 - 40 tonnes



Instructions:	1. Locate the weight of the load and the crane operating radius.
	2. Where the columns intersect, read the capacity of crane required.

Radius in metres from centre of crane slew to centre of lift

t/m	7m	8m	9m	10m	12m	14m	16m	18m	20m	22m	24m	26m	28m	30m	32m	34m	36m	38m	40m	42m	44m	46m	48m	50m	52m	54m
21t	70t	70t	80t	80t	100t	120t	160t	160t	200t	200t	225t	250t	250t	300t	400t	400t	400t	400t	400t	400t	400t	500t	800t	800t	800t	800t
22t	70t	70t	80t	90t	100t	120t	160t	160t	200t	225t	225t	250t	250t	300t	400t	400t	400t	400t	400t	400t	500t	800t	800t	800t	800t	800t
23t	80t	80t	80t	90t	100t	120t	160t	160t	200t	225t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	800t	800t	800t	800t	800t
24t	80t	80t	80t	90t	120t	160t	160t	200t	200t	225t	250t	250t	300t	400t	400t	400t	400t	400t	400t	500t	500t	800t	800t	800t	800t	800t
25t	80t	80t	90t	100t	120t	160t	160t	200t	225t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t	800t	800t
26t	80t	80t	90t	100t	120t	160t	160t	200t	225t	250t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t	800t	800t
27t	80t	80t	90t	100t	120t	160t	160t	200t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t	800t	800t	
28t	80t	80t	90t	100t	120t	160t	200t	200t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t	800t		
29t	80t	90t	100t	100t	160t	160t	200t	225t	250t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t	800t		
30t	80t	90t	100t	100t	160t	160t	200t	225t	250t	300t	300t	300t	400t	400t	400t	400t	400t	500t	500t	800t	800t	800t	800t			
31t	80t	90t	100t	120t	160t	160t	225t	225t	250t	300t	400t	400t	400t	400t	400t	400t	400t	500t	500t	800t	800t	800t	800t			
32t	80t	90t	100t	120t	160t	160t	225t	225t	250t	300t	400t	400t	400t	400t	400t	400t	400t	500t	500t	800t	800t	800t	800t	800t		
33t	90t	100t	100t	120t	160t	160t	225t	225t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	500t	800t	800t	800t	800t			
34t	90t	100t	100t	120t	160t	200t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t	800t	800t			
35t	90t	100t	100t	120t	160t	200t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t	800t				
36t	100t	100t	120t	160t	160t	200t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	800t	800t	800t	800t					
37t	100t	100t	120t	160t	160t	200t	225t	300t	300t	400t	400t	400t	400t	400t	400t	500t	500t	800t	800t	800t						
38t	100t	100t	120t	160t	160t	200t	225t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t						
39t	100t	100t	120t	160t	160t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t	800t						
40t	100t	100t	120t	160t	160t	225t	250t	300t	300t	400t	400t	400t	400t	400t	500t	500t	500t	800t	800t							

20t
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500t
800t

Weight to be lifted in tonnes

N.B.

- 1 This is a load radius chart. No account has been taken for the height of lift
- 2 This chart is based on using a minimum main boom length of 20.0Mtrs
- 3 Crane capacities will vary from manufacturer to manufacturer
- 4 Lifting capabilities will vary with crane type (truck mounted or all terrain)

How to use this chart

To lift 8 tonnes at 16Mtr radius; 8t on the weight column and 16Mtrs on the radius row. Where the columns intersect, read the capacity of crane required (60 tonne crane).