

Crane Capacity Guide

Weight of Lift: 0 - 20 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
0.5t	20t	20t	20t	20t	20t	20t	20t	20t	20t	20t	25t	25t	35t	35t	50t	50t	70t	70t	80t	80t	80t	90t	120t	120t	120t	120t
1t	20t	20t	20t	20t	20t	20t	20t	20t	25t	25t	35t	35t	50t	50t	60t	70t	70t	80t	80t	90t	100t	120t	120t	120t	120t	120t
2t	20t	20t	20t	20t	20t	20t	25t	25t	35t	35t	50t	50t	60t	60t	70t	80t	80t	80t	90t	100t	100t	120t	120t	160t	160t	160t
3t	20t	20t	20t	20t	20t	25t	35t	35t	50t	50t	60t	70t	70t	80t	80t	90t	90t	100t	100t	120t	120t	160t	160t	160t	200t	200t
4t	20t	20t	20t	20t	25t	35t	35t	50t	50t	60t	70t	80t	80t	90t	90t	100t	100t	120t	120t	160t	160t	160t	160t	200t	225t	225t
5t	20t	20t	25t	25t	35t	35t	50t	50t	60t	70t	80t	80t	90t	100t	100t	120t	120t	160t	160t	160t	160t	200t	200t	225t	250t	300t
6t	25t	25t	25t	25t	35t	50t	50t	60t	70t	80t	90t	90t	100t	100t	120t	160t	160t	160t	160t	160t	200t	225t	225t	225t	250t	300t
7t	25t	25t	25t	35t	50t	50t	60t	70t	80t	90t	100t	100t	120t	120t	160t	160t	160t	160t	200t	200t	225t	225t	250t	250t	300t	300t
8t	25t	35t	35t	35t	50t	60t	60t	80t	90t	90t	100t	120t	120t	160t	160t	160t	200t	200t	225t	225t	250t	250t	250t	300t	300t	800t
9t	35t	35t	35t	50t	50t	60t	70t	80t	90t	100t	120t	120t	160t	160t	160t	200t	225t	225t	225t	250t	250t	250t	300t	300t	800t	800t
10t	35t	35t	35t	50t	60t	70t	80t	90t	100t	120t	160t	160t	160t	160t	200t	225t	225t	225t	250t	250t	250t	300t	800t	800t	800t	800t
11t	35t	35t	50t	50t	60t	80t	90t	100t	100t	120t	160t	160t	160t	200t	225t	225t	250t	250t	250t	300t	300t	300t	800t	800t	800t	800t
12t	35t	50t	50t	50t	70t	80t	80t	100t	100t	120t	160t	160t	160t	200t	225t	225t	250t	250t	300t	300t	300t	400t	800t	800t	800t	800t
13t	35t	50t	50t	60t	80t	80t	100t	120t	120t	160t	160t	160t	200t	200t	225t	250t	250t	250t	300t	300t	400t	400t	800t	800t	800t	800t
14t	50t	50t	50t	60t	80t	90t	100t	120t	120t	160t	160t	200t	200t	225t	250t	250t	250t	250t	300t	400t	400t	400t	800t	800t	800t	800t
15t	50t	50t	60t	70t	80t	100t	100t	120t	160t	160t	160t	200t	225t	225t	250t	250t	250t	300t	400t	400t	400t	400t	800t	800t	800t	800t
16t	50t	50t	60t	70t	80t	100t	120t	120t	160t	160t	200t	200t	225t	250t	250t	250t	300t	400t	400t	400t	400t	400t	800t	800t	800t	800t
17t	50t	60t	70t	70t	90t	100t	120t	160t	160t	160t	200t	225t	225t	250t	250t	300t	300t	400t	400t	400t	400t	400t	800t	800t	800t	800t
18t	60t	70t	70t	80t	90t	100t	120t	160t	160t	200t	200t	225t	250t	250t	250t	300t	400t	400t	400t	400t	400t	400t	500t	800t	800t	800t
19t	60t	70t	70t	90t	100t	120t	120t	160t	160t	200t	200t	225t	250t	250t	300t	400t	400t	400t	400t	400t	400t	400t	500t	800t	800t	800t
20t	60t	70t	80t	80t	100t	120t	160t	160t	200t	200t	225t	225t	250t	250t	300t	400t	400t	400t	400t	400t	400t	400t	500t	800t	800t	800t

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225t
250t
300t
400t
500t
800t

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).