

Load table for forklift trucks without braking factor

acc. DIN EN 1991-1-1

Category	FL 1		FL 2		FL 3		FL 4		FL 5		FL 6	
Permitted total load	31 kN		46 kN		69 kN		100 kN		150 kN		190 kN	
Wheel load Load area	13 kN 200 x 200 mm		20 kN 200 x 200 mm		31,5 kN 200 x 200 mm		45 kN 200 x 200 mm		70 kN 200 x 200 mm		85 kN 200 x 200 mm	
Bearing bar mesh pitch (mm)	30	13	30	13	30	13	30	13	30	13	30	13
Free span (mm)	Bearing bar		Bearing bar		Bearing bar		Bearing bar		Bearing bar		Bearing bar	
300	35/3	-	40/3	-	50/4	-	50/5	-	70/5	-	70/5	-
400	40/3	-	40/5	-	50/5	-	60/5	-	80/5	-	90/5	-
500	40/5	-	50/5	-	60/5	50/4	70/5	60/4	90/5	70/5	100/5	80/5
600	50/4	-	60/4	40/5	70/5	60/4	80/5	60/5	110/5	80/5	120/5	90/5
700	50/5	-	60/5	50/4	80/5	60/5	90/5	70/5	120/5	90/5	-	100/5
800	50/5	40/5	70/5	50/5	80/5	60/5	100/5	80/5	-	90/5	-	100/5
900	60/4	40/5	70/5	50/5	90/5	70/5	110/5	80/5	-	100/5	-	110/5
1000	60/5	50/4	70/5	60/4	90/5	70/5	110/5	90/5	-	110/5	-	120/5
1100	60/5	50/5	80/5	60/5	100/5	80/5	120/5	90/5	-	110/5	-	120/5
1200	70/5	50/5	80/5	60/5	100/5	80/5	-	90/5	-	120/5	-	-
1300	70/5	50/5	90/5	70/5	110/5	80/5	-	100/5	-	-	-	-
1400	70/5	60/4	90/5	70/5	110/5	90/5	-	100/5	-	-	-	-
1500	80/5	60/4	90/5	70/5	120/5	90/5	-	110/5	-	-	-	-

Load table for forklift trucks with braking factor 1.4

Category	FL 1		FL 2		FL 3		FL 4		FL 5		FL 6	
Permitted total load	31 kN		46 kN		69 kN		100 kN		150 kN		190 kN	
Wheel load Load area	18,2 kN (13 kN) 200 x 200 mm		28 kN (20 kN) 200 x 200 mm		44,1 kN (31,5 kN) 200 x 200 mm		63 kN(45 kN) 200 x 200 mm		98 kN (70 kN) 200 x 200 mm		119 kN (85 kN) 200 x 200 mm	
Bearing bar mesh pitch (mm)	30	13	30	13	30	13	30	13	30	13	30	13
Free span (mm)	Bearing bar		Bearing bar		Bearing bar		Bearing bar		Bearing bar		Bearing bar	
300	40/3	30/4	40/5	40/4	50/5	40/5	60/5	50/5	80/5	60/5	90/5	70/5
400	40/5	30/5	50/5	40/5	60/5	50/5	80/5	60/5	100/5	70/5	110/5	80/5
500	50/4	40/4	60/5	50/4	70/5	60/4	90/5	70/5	110/5	80/5	120/5	90/5
600	50/5	40/5	70/5	50/5	80/5	60/5	100/5	80/5	120/5	90/5	-	100/5
700	60/5	50/4	70/5	60/4	90/5	70/5	110/5	80/5	-	100/5	-	110/5
800	60/5	50/4	80/5	60/5	100/5	70/5	120/5	90/5	-	110/5	-	120/5
900	70/5	50/5	80/5	60/5	110/5	80/5	-	100/5	-	120/5	-	-
1000	70/5	60/4	90/5	70/5	110/5	80/5	-	100/5	-	-	-	-
1100	80/5	60/4	90/5	70/5	120/5	90/5	-	110/5	-	-	-	-
1200	80/5	60/5	100/5	70/5	-	90/5	-	110/5	-	-	-	-
1300	80/5	60/5	100/5	80/5	-	100/5	-	120/5	-	-	-	-
1400	90/5	70/5	110/5	80/5	-	100/5	-	120/5	-	-	-	-
1500	90/5	70/5	110/5	80/5	-	110/5	-	-	-	-	-	-

Material: S235JR

Load-optimized variants in steel
S355JR are available on request.

1 kN = 1000 N ≈ 100 kg
Category FL = load effect acc. to DIN EN 1991-1-1