

HEAVY-DUTY GRATINGS

Load values table for cars and trucks, without brake factor

According to German Regulation DIN 1072

	HGV 3			HGV 6		HGV 9		HGV 12		HGV 30		HGV 60	
wheel load / load contact area	10 kN (car according to DIN 1055-3) 200 x 200 mm			20 kN 200 x 200 mm		30 kN 200 x 260 mm		40 kN 200 x 300 mm		50 kN 200 x 400 mm		100 kN 200 x 600 mm	
bearing bar mesh width (mm)	30	20	13	30	13	30	13	30	13	30	13	30	13
width in mm	bearing bar			bearing bar		bearing bar		bearing bar		bearing bar		bearing bar	
300	30/3	30/2	-	40/3	30/4	40/5	30/4	40/5	30/5	45/5	30/5	50/5	40/5
400	35/3	40/2	-	50/3	35/4	50/5	40/4	60/5	40/5	60/5	40/5	60/5	45/5
500	40/3	35/3	-	60/3	40/4	60/5	40/5	70/5	50/4	70/5	50/5	80/5	60/5
600	45/3	40/3	30/4	60/4	40/5	70/5	50/4	70/5	50/5	80/5	60/4	100/5	70/5
700	50/3	45/3	35/4	60/5	50/4	70/5	50/5	80/5	60/5	90/5	60/5	110/5	80/5
800	60/3	45/3	40/4	70/5	50/4	80/5	60/5	90/5	60/5	100/5	70/5	-	90/5
900	60/3	50/3	40/4	70/5	50/5	80/5	60/5	100/5	70/5	110/5	70/5	-	100/5
1000	60/4	50/3	40/4	70/5	50/5	90/5	70/5	100/5	70/5	110/5	80/5	-	110/5
1100	60/4	60/3	40/5	80/5	60/5	100/5	70/5	110/5	80/5	120/5	80/5	-	110/5
1200	60/5	60/3	40/5	80/5	60/5	100/5	70/5	120/5	80/5	-	90/5	-	120/5
1300	60/5	60/3	50/4	90/5	60/5	110/5	80/5	120/5	80/5	-	90/5	-	-
1400	60/5	-	50/4	90/5	70/5	110/5	80/5	-	90/5	-	100/5	-	-
1500	70/5	-	50/5	90/5	70/5	120/5	80/5	-	90/5	-	100/5	-	-

Load values table for cars and trucks, with a brake factor of 1.4

According to German Regulation DIN 1072

	HGV 3			HGV 6		HGV 9		HGV 12		HGV 30		HGV 60	
wheel load / load contact area	14 kN (10 kN) (car according to DIN 1055-3) 200 x 200 mm			28 kN (20 kN) 200 x 200 mm		42 kN (30 kN) 200 x 260 mm		56 kN (40 kN) 200 x 300 mm		70 kN (50 kN) 200 x 400 mm		140 kN (100 kN) 200 x 600 mm	
bearing bar mesh width (mm)	30	20	13	30	13	30	13	30	13	30	13	30	13
width in mm	bearing bar			bearing bar		bearing bar		bearing bar		bearing bar		bearing bar	
300	35/3	30/3	-	40/5	30/5	50/4	40/4	50/5	40/4	50/5	40/4	60/5	40/5
400	45/3	35/3	-	50/5	40/4	60/5	40/5	70/5	50/4	70/5	50/4	70/5	50/5
500	50/3	40/3	30/5	60/5	40/5	70/5	50/5	80/5	60/5	80/5	60/5	90/5	70/5
600	50/4	45/3	40/4	70/5	45/5	80/5	60/5	90/5	60/5	90/5	70/5	120/5	80/5
700	50/5	50/3	40/4	70/5	50/5	90/5	60/5	100/5	70/5	110/5	80/5	-	90/5
800	60/5	60/3	45/4	80/5	60/5	90/5	70/5	110/5	80/5	120/5	80/5	-	110/5
900	60/5	60/3	45/4	80/5	60/5	100/5	70/5	120/5	80/5	-	90/5	-	120/5
1000	60/5	-	50/4	90/5	60/5	110/5	80/5	120/5	90/5	-	90/5	-	-
1100	70/5	-	50/4	90/5	70/5	120/5	80/5	-	90/5	-	100/5	-	-
1200	70/5	-	50/5	100/5	70/5	120/5	90/5	-	100/5	-	110/5	-	-
1300	70/5	-	50/5	100/5	70/5	-	90/5	-	100/5	-	110/5	-	-
1400	80/5	-	60/4	110/5	80/5	-	90/5	-	110/5	-	120/5	-	-
1500	80/5	-	60/4	110/5	80/5	-	100/5	-	110/5	-	120/5	-	-

1 kN = 1000 N ≈ 100 kg
HGV = Heavy Goods Vehicle