



VEHICLE LOADINGS



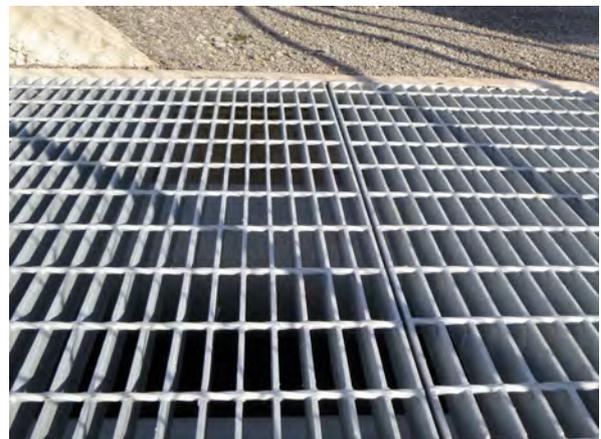
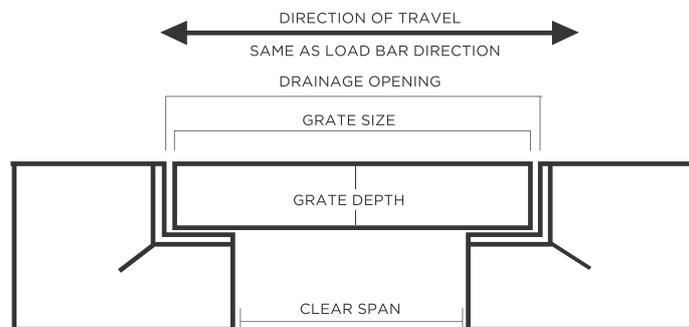
VEHICLE LOADINGS

Steel Grating Ltd drainage grates and sump covers have a large amount of open area to allow liquid to drain easily while still providing strength and economy to support heavy loads. We recommend series 1 grating for drainage grate and sump covers for maximum strength. We have categorised our grating into the 5 most common vehicle usages. Please refer to the table below that states what each of our grating types will clear span for the different vehicle types.

PRODUCT CODE	LOAD BAR SIZE (Grate Depth)	LARGE CAR	2T FORKLIFT	5T FORKLIFT	5T TRUCK	LARGE TRUCK	LARGE TRUCK
		Wheel load 495kg Tyre contact area 130 x 130	Wheel load 1865kg Tyre contact area 130 x 140	Wheel load 4450kg Tyre contact area 180 x 250	Wheel load 1690kg Tyre contact area 170 x 170	Axel load 9.8T Dual wheel each axle end wheel load 2450kg Tyre contact area 200 x 200	Axel load 14.3T Dual wheel each axle end wheel load 3580kg Tyre contact area 250 x 200
205/1	20mm	235mm	—	—	—	—	—
255/1	25mm	390mm	190mm	180mm	245mm	200mm	205mm
325/1	32mm	560mm	230mm	215mm	300mm	290mm	285mm
405/1	40mm	815mm	290mm	275mm	385mm	365mm	340mm
455/1	45mm	995mm	340mm	325mm	445mm	415mm	385mm
505/1	50mm	1210mm	390mm	350mm	520mm	470mm	435mm
655/1	65mm	1810mm	585mm	440mm	775mm	670mm	615mm

LOAD DATA BASED ON THE FOLLOWING CRITERIA:

- Vehicles assumed to be fully laden
- Spans shown in the table are clear spans
- Assumed minimum support width = to load bar depth
- Impact factor of 1.3 for moving vehicle applied
- All vehicles travelling parallel to span of grating
- The span of the grating must not be greater than the wheelbase of the vehicle



Steel Grating Ltd can also supply MSA trench grate frames if required. Please contact Steel Grating Ltd for more information on these.