

2 Steel loadings made easy

All steel covers are manufactured to loadings inline with the gross laden vehicle weight (total vehicle weight) of vehicles which are likely to travel over them i.e. 5 tonne gross laden vehicle or 10 tonne gross laden vehicle. This is where the abbreviation G.L.V.W. is derived (gross laden vehicle weight). Occasionally loadings are asked for as wheel loads. This is known as the slow moving wheel load (S.M.W.L.). It is important to establish what loading a customer is referring to as obviously a 10 tonne G.L.V.W. cover will not hold a 10 tonne wheel load (S.M.W.L.). Furthermore if the vehicle has a small wheel footprint (for example a forklift truck) then specially reinforced covers are required to account for the reduced contact area and the effect it has on the cover.

Please also note steel covers and frames are only recommended for slow moving traffic applications (up to 20mph) & not main roads - for main roads, heavy duty D400 ductile iron covers are required.

Class A

for use in pedestrian and cycling areas only.



Class AA

areas with vehicular traffic up to 10 tonnes (GLVW)
or 1.5 tonnes (SMWL)



Class AAA

areas with vehicular traffic up to 10 tonnes (GLVW)
or 2.5 tonnes (SMWL)



Class B

areas with vehicular traffic up to 17/26/44 tonnes (GLVW)
or 5 tonnes (SMWL)



Class FL

areas with abnormal loads up to 11.5 tonnes (GLVW) also
forklift traffic areas up to 5 tonnes (SMWL)

