



Load capacity checklist

Vehicle capacity

1 - Gross vehicle mass (GVM) - Max weight permitted for the motor vehicle as nominated by the manufacturer.
2 - Kerb weight
3 - Pay load
4 - Ball weight
5 - Legal towing mass
6 - Gross combination mass (GCM)

Caravan capacity

7 - Aggregate trailer mass (ATM)
8 - Tare
9 - Pay load
10 - Gross Trailer weight (GTM)
11 - Ball weight

Definitions of weights

1. GVM is the maximum weight permitted for the motor vehicle as nominated by the manufacturer.
2. The kerb weight is the unladen weight of your motor vehicle & should include all non-manufactured items as well as a full tank of fuel. It is this weight that varies as all 4wds are personalized with added extras such as bulbar, winch, drawers, roof rack etc and it is these items that, when added to the GVM, take away from your actual payload (#3)
3. Minus the kerb weight from the GVM and you will have the vehicles current payload capability.
4. The ball weight is a given weight by the motor vehicle or tow bar manufacturer. This weight can vary dependent on the kerb weight.
5. The legal towing capability of a motor vehicle is generally nominated by the manufacturer.
6. GCM is the maximum legal towing mass of a motor vehicle (towing vehicle) and any vehicles or trailers aggregated trailer mass (ATM) being towed by that motor vehicle.
7. ATM is the fully loaded weight of a caravan or trailer when not connected to the tow vehicle.
8. Tare is the unladen weight of the caravan or trailer when not connected to the tow vehicle.
9. Take away the tare from the ATM and you will have the caravan or trailers payload capability.
10. GTM is the weight of the caravan or trailer transmitted through the axle to the ground when connected to the tow vehicle
11. The ball weight is generally 10% of the ATM. It is this weight that is transferred to the tow vehicle and becomes part of your payload.

Please check with motor vehicle and caravan manufacturers to ensure your weights are correct as there are risks involved in towing a caravan or camper trailer using an under sized towing vehicle.

Use this check list as a guide to ensure compliance.