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Cut Loose Tow Vehicle Suitability Calculation for:

This document has been drawn up with info from the CTIAQ Tow Mass Guide and in consultation with Queensland Transport, RACQ and RVMAA

Tow Vehicle Model	Isuzu D Max
Cut Loose Model	PANDORA

Tow Vehicle Specification

Make	Isuzu
Model	D Max
Year	2009
Details	LSU Auto D cab
Kerb or Tare Mass	1915
Gross Vehicle Mass	2900
Gross Combination Mass	5900

Cut Loose Specification

Model	PANDORA
Tare Mass	2900
Pin Transfer Mass	380

Tow Vehicle GVM Calculation (Kg)

Tow Vehicle Kerb Weight	1915
Passengers 2 no.	136
Hijacker Hitch	85
Fuel	60
Pin Transfer Weight (of 5th Wheeler)	380
Weight transfer of payload in 5th wheeler	60
Calculated Gross Vehicle Mass	2636
Max Permitted GVM	2900
Safety Margin	264
Compliant - Yes or No	YES

Tow Vehicle GCM Calculation (Kg)

Tow Vehicle kerb weight	1915
5th Wheeler Tare Mass (Fitted out)	2900
Passengers 2 no	136
Hijacker Hitch	85
Fuel	60
Payload in 5th Wheeler	400
Calculated Gross Combination Mass	5496
Maximum Permitted GCM	5900
Margin	404
Compliant - Yes or No	YES

Assumptions - using Industry standards

1. Allowance for payload (including water and gas) for a tandem axle unit is 400kgs.
2. 15% of this payload is assumed to be transferred on to the tow vehicle
3. Allowance for passengers of 68 kgs each