

Table 1.1: Current Austroads vehicle classification systems (updated in 1994)

Level 1	Level 2		Level 3	Austroads classification	
Length (indicative)	Axles and axle groups		Vehicle type		
Type	Axle	Groups	Description	Class	Parameters
Short Up to 5.5 m	LIGHT VEHICLES				
	2	1 or 2	Short Sedan, wagon, 4WD, utility, light van, bicycle, motorcycle, etc.	1	$d_1 \leq 3.2$ m and axles = 2
	3, 4 or 5	3	Short – towing trailer, caravan, boat, etc.	2	Groups = 3, $2.1 \text{ m} \leq d_1 \leq 3.2$ m $d_2 \geq 2.1$ m, and axles = 3, 4 or 5
Medium 5.5 m to 14.5 m	HEAVY VEHICLES				
	2	2	Two axle truck or bus	3	$d_1 > 3.2$ m and axles = 2
	3	2	Three axle truck or bus	4	Axles = 3 and groups = 2
	> 3	2	Four axle truck	5	Axles > 3 and groups = 2
Long 11.5 m to 19.0 m	3	3	Three axle articulated or rigid vehicle & trailer	6	$d_1 > 3.2$ m, axles = 3 and groups = 3
	4	> 2	Four axle articulated or rigid vehicle & trailer	7	$d_2 \leq 2.1$ m, $2.1 \text{ m} \leq d_1 \leq 3.2$ m Axles = 4 and groups > 2
	5	> 2	Five axle articulated or rigid vehicle & trailer	8	$d_2 \leq 2.1$ m, $2.1 \text{ m} \leq d_1 \leq 3.2$ m Axles = 5 and groups > 2
	6 > 6	> 2 3	Six axle (or more) articulated or rigid vehicle & trailer	9	Axle = 6 and groups > 2 or axles > 6 and groups = 3
Medium combination 17.5 m to 36.5 m	> 6	4	'B' Double or heavy truck trailer	10	Groups = 4 and axles > 6
	> 6	5 or 6	Double road train or heavy truck and trailers	11	Groups = 5 or 6 and axles > 6
Long combination over 33 m	> 6	> 6	Triple road train or heavy truck and three trailers	12	Groups > 6 and axles > 6

Definitions: Group: (axle group) - where adjacent axles are less than 2.1 m apart

Groups: number of axle groups

Axles: number of axles (maximum axle spacing of 10 m)

$d_1$ : distance between first and second axle

$d_2$ : distance between second and third axle

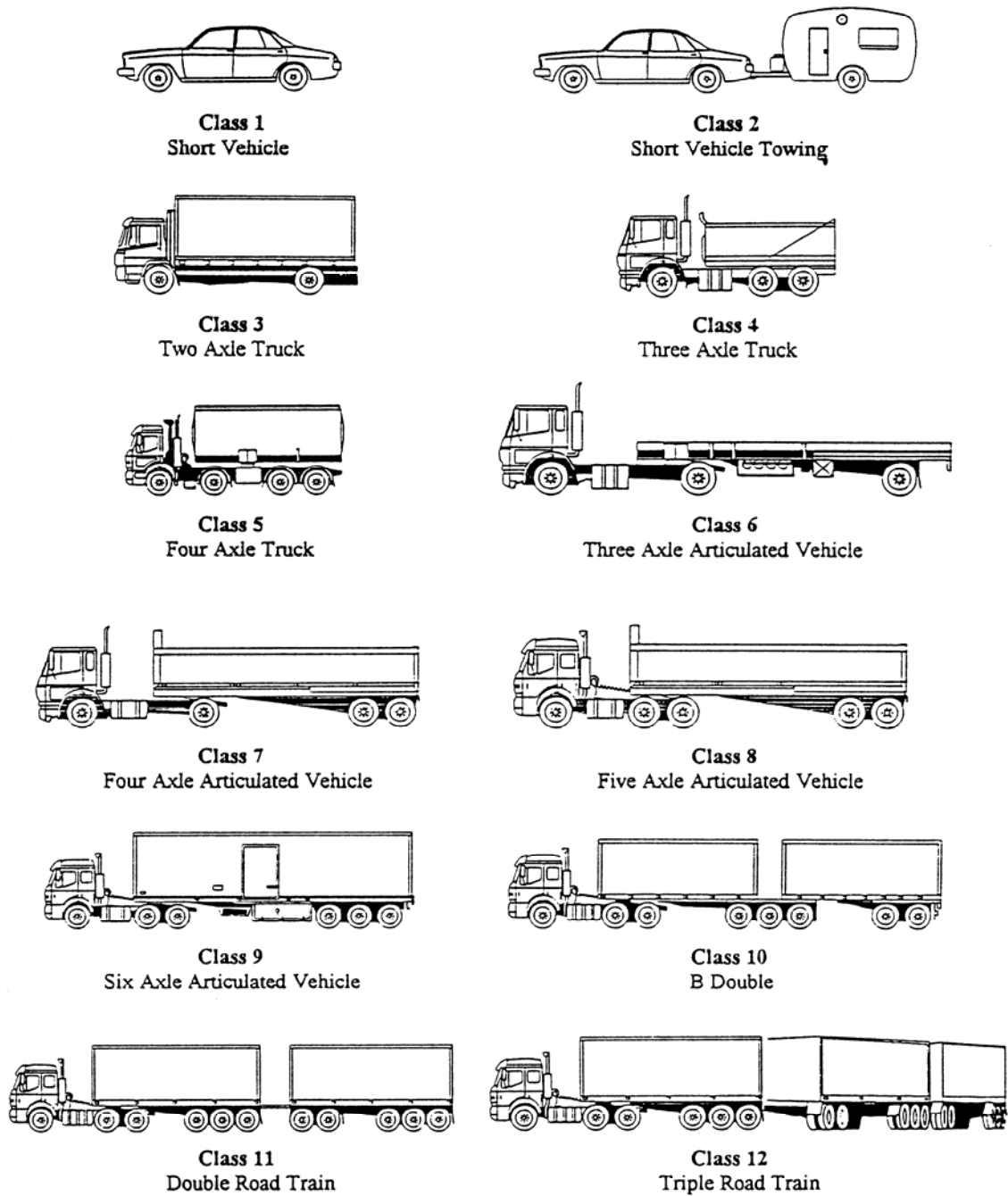


Figure 1.1: Austroads 12-bin vehicle classification system