








How strong does my tree grate need to be?

Please refer to this table showing the various loading classifications, in accordance with AS3996-2006.

Type	Class	Typical Use	Ultimate Limit State Design Load (kN)	Serviceability design Loading (kN)	Nominal Wheel Loading (kg)
	A	Areas (including footways) accessible only to pedestrians and cyclists and closed to other traffic (extra light duty)	10kN	6.7kN	330kg
	B	Areas (including footways and light tractor paths) accessible only to vehicles (excluding commercial vehicles) or livestock (light duty)	80kN	53kN	2,670kg
	C	Malls and areas open to slow moving commercial vehicles (heavy duty)	150kN	100kN	5,000kg
	D	Carriageways of roads and areas open to commercial vehicles (heavy duty)	210kN	140kN	8,000kg
	E	General docks and aircraft pavements (extra heavy duty - E)	400kN	267kN	13,700kg
	F	Docks and aircraft pavements subject to high wheel loads (extra heavy duty - F)	600kN	400kN	20,000kg
	G	Docks and aircraft pavements subject to very high wheel loads (extra heavy duty - G)	900kN	600kN	30,000kg

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