

V8 Supertourers NEW ZEALAND



2012. Technical Guide Version 2 Recommendations



Air Pressure



Surface condition : Dry

Position	Cold (psi)	Hot (psi)
Front	Min. 22	Target 31
Rear		



Surface condition : Wet

- * Same as hot pressure in dry
- Starting target cold air pressure for wet tyres is higher than dry tyres by **3 psi (Damp) ~ 5 psi (Full Wet)**

Camber

Position	Camber
Front	Max -4°
Rear	Max -3°

Temperature

Optimum grip level is at 80 ~ 100°C

Footprint

Test condition

- Air : 1.9 kgf/cm²
- Load : 340 kgf (100% Load)
- Camber : 0°

Load		Contact length	Contact width	Contact Ratio	Actual Contact Area	Total Contact Area
Kgf	%	(Cen')	(Cen')	%	cm ²	cm ²
136	40	44.5	176.6	85.7	51.5	60.2
204	60	57.7	207.2	86.2	81.5	94.5
272	80	70.2	220.0	86.7	109.1	125.9
340	100	82.8	231.4	86.5	138.6	160.3
408	120	94.6	242.1	86.7	168.6	194.3
476	140	106.4	249.2	87.7	199.8	227.9
544	160	118.2	254.9	87.4	228.0	260.7

Static Vertical Stiffness

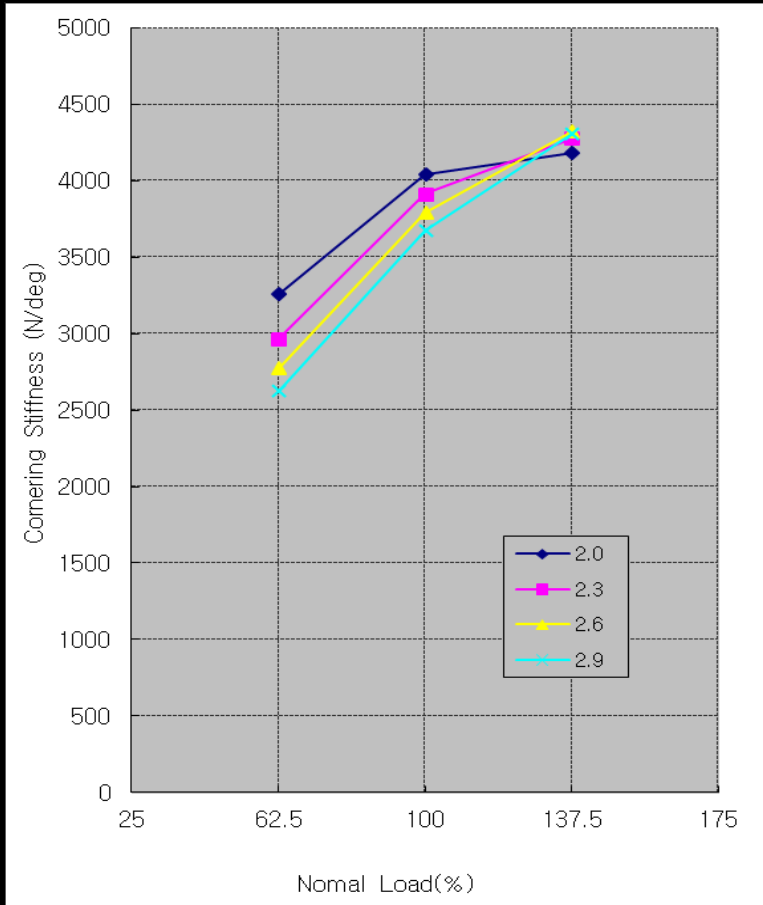
Load/(%)	68/20	136/40	204/60	272/80	340/100	408/120	476/140	544/160
Displacement (mm)	2.5	4.6	6.7	8.8	10.8	12.9	14.9	16.8
K _v	31.25	33.3	32.25	33.3	32.3	33.9	34.5	35.7

Flat Trac

1. Cornering Stiffness

Test condition

- Load : 340 kgf (100% Load)
- Camber : 0°



2. Lateral Force

Test condition

- Air : 2.0 kgf/cm²
- Load : 340 kg (100% Load)

