

Property	Value	Units
Rear Axle Shear Stress	903	psi
Rear Axle Bending Stress	39700	psi
von Mises Stress (Axle)	39700	psi
Yield Strength (4140, HT)	69000	psi
Axle FoS	1.7	-
Seat Deflection	0.062	in
Max von Mises Stress (FEA)	279500000	N/m ²
Frame Yield Strength (4130 Steel)	620400000	N/m ²
Frame FoS	2.22	-