

C6 T1 Rear differential study (plate versus IsoTorque helical)

Data collected at NJMP Thunderbolt
w/o Chicane on 10/30/2009

C6 T1 rear differential study

- Comparison of production C6 plate differential versus Torvec IsoTorque helical unit at NJMP Thunderbolt w/o chicane on 10/30/09.
- Data used for comparison = DL1 GPS speed, lateral & longitudinal acceleration (via accelerometers @ 100 Hz).
- Results: Data indicates laps with IsoTorque helical differential achieve > 2% increased acceleration capability.
- The IsoTorque helical differential shows ability to achieve peak lateral acceleration more quickly during turn-in than plate.
- At NJMP in this vehicle, the IsoTorque helical component improves lap time by approximately 0.9”.









