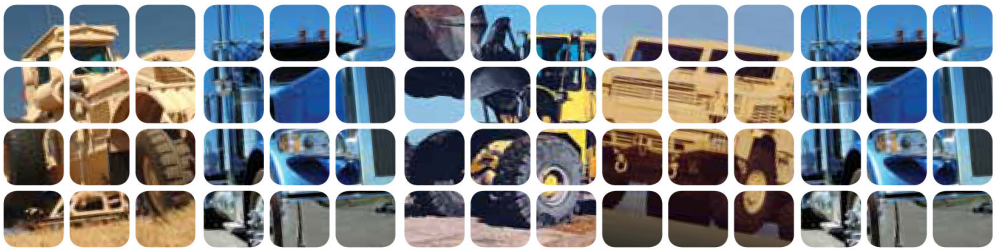

AxleTech International
A GENERAL DYNAMICS COMPANY

Axle Traction Control Options

NoSpin™

OVERVIEW

The NoSpin™ differential is a one-piece assembly that replaces the standard Main Differential components. It operates automatically without driver input. It is a full locking design that provides maximum torque to each wheel up to the point of slip as long as the vehicle is moving in a straight direction. When the vehicle turns the NoSpin™ disengages the axle shaft to the outside wheel and drives only the inside wheel until the turn is complete. This reduces tire ‘scrubbing’ while turning. When the vehicle is again driving straight ahead the NoSpin™ unit re-engages providing full torque to both wheels.

SPECIFICATIONS

Type	Activation	Traction Capability	Control	Carrier Series Availability
* Full locking design	Automatic	* Up to slip of each individual wheel/tire * While turning outside wheel de-activated	Passive - self-contained unit with no cab controls or driver input required	* R120 * F140 * H172 * R155 * R160 * R145 * R160 * R186 * SQHP * SPR570

FEATURES & BENEFITS

FEATURES	BENEFITS
Full locking design	Maximum torque available to each wheel up to point of slip when vehicle moving in straight ahead direction
Passive design functions automatically without need for driver inputs	Less susceptible to abuse or incorrect usage
Can be retrofitted into existing axles by removal of standard differential components and replacement with NoSpin® device	Allows for economical upgrade to existing axles if desired

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