

# OVER-TORQUE PROTECTION !

## POWERTRAINSAVERS®

### How the Power Train Saver Works

The Power Train Saver unit is a unique drive train protection device that can be mounted right into your existing drive shaft. It works on a system of three shear pins called Torque Fuses®.

Each set of *Torque Fuses®* are engineered and tensile tested to precisely shear just prior to the power train breaking point. When over-torque occurs, the *Torque Fuses®* shear. The drive shaft remains in place supported by an internal system.

To get back on the job within minutes, simply remove the broken *Torque Fuses®* and install the new ones. ***This saves your differentials, drive shafts, gears, and axles from over-torque damage and eliminates downtime.***

Torque Fuses®

Internal Support System



Power Train Saver

High quality steel construction.  
Sized for all trucks & equipment



Power Train Saver

Mounted in Drive Shaft

## Torque Fuses® Stop Gear, Shaft and Axle Damage



Catalogue Examples

Driveline Series	Tube Size	Power Train Saver Part #	Light Duty	Medium Duty	Heavy Duty	Caution	Damage
	OD / Wall Thickness		90%	95%	100%	105% CAUTION	Damage Area
1310	3.0 x .083	30083	1-2500 Ft/lbs	2-3000 Ft/lbs	3-3500 Ft/lbs	4-4000 Ft/lbs	
1410	4.0 x .083	40083	6-5000 Ft/lbs	7-5500 Ft/lbs	8-6000 Ft/lbs	9-6500 Ft/lbs	
1710	4.0 x .180	17180	N-13500 Ft/lbs	O-14500 Ft/lbs	P-15500 Ft/lbs	Q-16500 Ft/lbs	
1810	4.59 x .180	18134	Q-16500 Ft/lbs	R-17500 Ft/lbs	S-18500 Ft/lbs	T-19500 Ft/lbs	
*SPL 250	5.06 x .165	SP165	S-18500 Ft/lbs	T-19500 Ft/lbs	U-20500 Ft/lbs	V-21500 Ft/lbs	

Torque Fuses® Options



For light duty applications the Torque Fuse options are 0-2000 ft/lbs, to 13-8500 ft/lbs (500 ft/lbs increments).

For medium / heavy duty applications the Torque Fuse options are F = 5500 ft/lbs, to Z = 25,500 ft/lbs (1000 ft/lbs increments).

An example of our set-up chart shows how, with a wide variety of torque ratings, the Power Train Saver® system can be configured to work with any size driveline. ***This means that no matter how much weight you are hauling, the Power Train Saver® unit can have the right Torque Fuse® installed to shear just before damage would occur to your specific drive train components.***

Please refer to parts catalogue for complete driveline listings

(403) 654-2800

Distributor

[www.powertrainsavers.com](http://www.powertrainsavers.com)

# Testimonials



## A factory option?

"In 2001, Circle D started moving rigs in Southern Alberta. Soon to follow was driveline trouble. At the time, Stan and Randy Friesen were working with us and talked me into trying a couple of these driveline savers. We started off by putting them into units that were down due to over torque damage. After a few months we noticed a decrease in downtime.

We started to install them in new units while in rig up. It took a while for the drivers and pushes to accept the inconvenience of a truck down for 20 minutes while they changed out the torque fuses. Compare that to putting a truck down for 3 days and \$3,000 - \$5,000 in repairs. There were no arguments. As soon as Kenworth offers these units as a factory option, all of our oilfield trucks will come with them already installed. *Myles Paddock (Owner) Circle "D" Transport Inc.*

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## Saved Bacon

"We had just installed a Power Train Saver on one of our brand new TWS 400 pumps. I was pressure testing and thought I had kicked out the pump and hadn't.....and I over pressured it. The torque fuses sheared during the over pressure and saved my bacon! Without the power Train Saver Torque-Fuses in place I would have wrecked a \$100,000 pump. Good thing we had it on there!" *Trevor Burrell, Equipment Operator JACAR Hot Oil Service Ltd., Taber, AB*



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## No Down Time!

"We have had really good success with the Power Train Savers on our 20 truck tractors. We have been using them for 3 years now and have had no down time. We used to have differential breakage 4 or 5 times a year, costing us \$4,000 - \$5,000 each time. Now we have no breakage and no down time which is a huge saving in both time and money!" *Bill Rettie, Bill McColman Oilfield Hauling - AB*

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## Better Than Sliced Bread?

"The Power Train Saver is the neatest thing since sliced bread! We have the PTS on twelve T600 Kenworth farm trucks used in our potato fields. Prior to using the PTS on our trucks we were losing driveshafts, rear ends, axle shafts, transmissions and clutches and tearing up motor mounts. This is the first year since installing the Power Train Saver we have had none of the above losses. We highly recommend this product to anyone who wants to stop component damage on their trucks." *Bruce Allen, Truck Technician for Strebin Farms - Oregon*



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## Santa Fe Sanitation

"We have the PowerTrain Saver on our garbage trucks and ever since putting them on we haven't had a ring and pinion out yet! Except! Oh ya, one time we did blow a differential, but found out it was on one of our trucks that didn't have a PowerTrain Saver on it yet. We now have Power Train Savers specked into our new trucks." *Jerry Monarski, Equipment Manager Solid Waste Division, City of Santa Fe, New Mexico*

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## Service Rigs In Siberia

"We are using the Power Train Saver on both our Kremcos service rigs. They are a very good product. They have saved us twisting off a drive-line or worse a time or two already. Wish I had them years ago on my other rigs, might have saved my butt from crawling around a nasty rig in the middle of the night changing a twisted off drive line. I would recommend them to anyone using service rigs." *Ken Ott Luk-Oil Siberia, Russia*

