



DT PLANETARIES INC.



The DT HUB™

The DT Hub is a patented shiftable planetary hub drive system for Class 8 trucks. The original design was created in (Nisku) Edmonton, Alberta, Canada with the input of a German engineering and manufacturing firm. DT Planetaries Inc. is an Edmonton company in the business of marketing, installing and servicing this one of a kind shiftable planetary hub system.

The DT Hub system uses mechanical springs to hold the shift clutch in direct drive and air pressure to shift the clutch and then hold the system in planetary drive. The planetary gear set stays (disengaged) in direct drive for high-speed highway operations. The direct drive is determined by the crown and pinion gear ratio of the truck. Shifting into planetary drive for low speed off-highway or heavy haul use will produce a 3 to 1 gear reduction in the wheel end of the hub.

Traditionally, all full time planetary drive systems on Class 8 trucks that are geared high enough to achieve highway speed will lose their efficiency to perform in soft off-road conditions and in their ability to lift heavy loads.

The DT Planetary Hub System makes the truck capable to perform both high speed highway operations in direct drive and, when in planetary drive, low speed and high torque for those off-road soft ground applications with heavy weights.

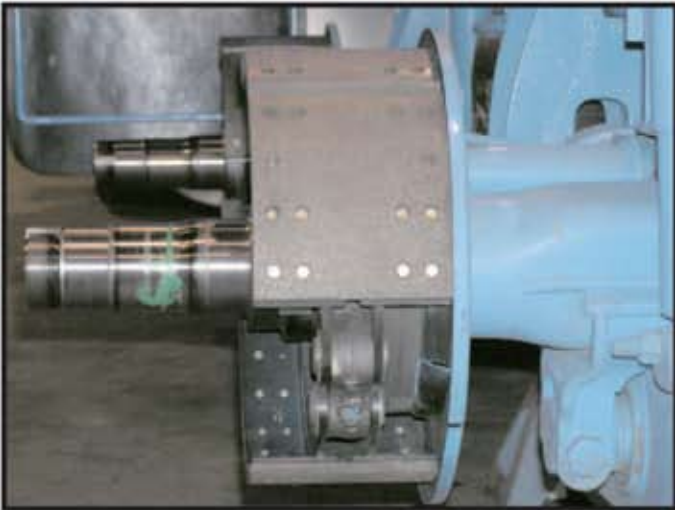
This shiftable system gives better fuel mileage when in direct drive, reduces heat build-up in the planetary gears, and with the increased torque at the wheel ends will reduce drive line torque and stress; all of which will reduce wear and tear on the entire drive system.

The DT Hub System incorporates standard North American brake components when fitted onto rear ends from Arvin Meritor Corp and Eaton/Dana Corp. The DT Hub fits onto 23,000 and 26,000 pound rear ends in single axle, tandem axle or tridem axle configurations. The hubs can be installed on new or used trucks with no alterations and are easily transferable. The DT Hub System is ideal for oilfield rig moving trucks, heavy equipment haulers, pipeline stringing and equipment moving, coal haulers, open pit ore haulers, house and building movers, log haulers, soil cement spread trucks and tank trucks. The patented DT planetary Hub System has been tested, proven and trusted in all types of road and field conditions. ©

*The Future Is Turning
This Way! ®*



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1. Strip Wheel End Down to Bare Spindle



4. Axle Shaft is Installed



2. Hub and Ring Gear Mounted on Spindle



5. Cover Plate is Installed



3. Planetary Gears Installed in Hub



6. End plug Installed. Tires and Wheels Installed



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