

DT Planetary Hub System

Maximize your trucks potential. Convert any truck to dual purpose.

Transform your single, tandem or tridem class 8 tractor into a prime mover or heavy hauler simply by changing the hubs. The DT Hub can convert the most common Dana (Eaton) and Meritor (Rockwell) axles into planetary axles with a 3:1 gear reduction. The reduction is activated and controlled by using existing truck air.

Install the DT Planetary torque hubs on your truck and the ratio, in low range, goes to 3:1. If your truck differentials are 4.10 to 1 ratio, with a DT Hub kit installed, the combined ratio of the carrier in 4.10 and the DT Planetary Hubs in 3.00 creates a final drive ratio of a staggering 12:1.

The hubs can be air shifted by the driver creating a dual purpose truck. Highway speeds for going between jobs and the ability to shift into low planetary reduction, once you are at the job site, to give unbelievable pulling power.

The DT Hub is a patented design, invented in Canada. The DT Hub has been in service well over 25 years of continuous use with upgrades along the way.

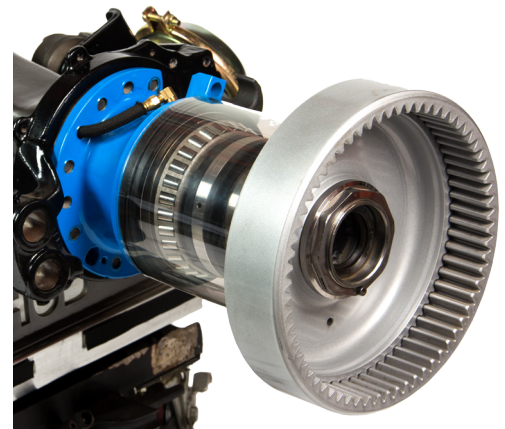
Today the DT Planetary Hub system is utilized in trucks that need the ability to perform at both highway and off highway speeds. Trucks like heavy haul log, cement, mining (including coal and oil sands), building movers, oilfield rig moving and Prime Movers.

The DT Planetary Hub system has moved millions of pounds over the years. Recently a Prime Mover moved a load in excess of 900,000 lbs.

Direct Torque Hub



3:1 Gear Reduction



Authorized DT Planetary Master Distributors:

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How it Works

The DT Planetary Hub System takes a single purpose truck and makes it dual purpose. The biggest question asked is, "How does it work?"

Any 46 or 52 thousand pound Meritor (Rockwell) or Dana (Eaton) tandem axle can be converted to the DT Planetary Hub System. Simply remove the old axle shafts, hubs, brake drums and brake shoes (the drums and brake shoes can be reused if they are deemed reusable). The new spindle slides over the existing spindle and bolts up directly to the existing spider. From there the loaded DT hub slides over the new spindle. Provide an under head to end of spline measurement or the part number from the old axleshafts. New double splined planetary axle shafts are provided with the DT Planetary Hub System.

The DT Planetary Hub System runs off existing truck air and is engaged by a dashboard switch. (All air controls and hardware are provided). The conversion is made to be simple. Whether you are converting a single, tandem or tridem axle there is a complete kit provided that includes everything required to install the DT Planetary Hub System.

Included in the DT kits:

- DT Hubs
- Axleshafts
- Air Control System
- Install Hardware (nuts, bolts, clamps, etc...)

Options Include (if required):

- Wheel Spacers
- Rims
- Brake Drums
- Brake Shoes

Advantages of DT Planetary:

- Convert any on-highway truck to off-highway via a switch on the dash
- Provides torque and speed control on demand
- It increases a vehicle's efficiency & reliability in adverse conditions - Enlarged Operational area
- It is activated and controlled by air pressure @ 52psi using the standard brake pressure installation
- No lubrication system required
- Track width remains
- Prolongs the lifespan of the vehicle
- Lowers operating costs
- Maintains fuel efficiency at high speeds
- Increases engine braking efficiency therefore less wear on brakes and differential gears
- Operator Friendly
 - Controlled from the driver's cab
 - Increased Driver Confidence



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