

## AUTO-LOK

The Hilliard Auto-Lok Differential offers equal power transferred to both wheels on an axle regardless of traction, allowing positive back drive through both wheels. The self-contained unit locks and unlocks automatically providing the benefits of both an open and locked differential, depending on the ground conditions. Benefits include improved traction and easier operation and steering.

### AUTO-LOK

#### Walk Behind

Walk behind applications include:

- Snowthrowers
- Trenchers
- Tillers

Any other self-propelled 2 wheel power equipment.



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#### Ride On

Ride on applications include:

- Lawn Tractors
- Golf Carts
- Utility Vehicles
- Compact Tractors



## CVT SYSTEM

Hilliard offers a Continuously Variable Transmission that is more advanced than any other belt drive system currently on the market. The Hilliard clutch system utilizes a tight belt which allows for seamless engine braking and belt protection at start up and during overload situations, to extend belt life. Hilliard's CVT system is designed to fit a wide variety of clutch envelopes so no expensive modifications are required for new vehicles or on replacements for vehicles currently in the field. The Hilliard clutch system is currently tuned for many platforms, including ATV's, UTV's and side by sides.



## FRONT DIFFERENTIAL

The Hilliard Front Drive System is an electro-mechanically activated bidirectional overrunning clutch. When 12 volts of power are sent via the 4WD switch, the unit is activated to engage both front wheels instantaneously, whenever the rear wheels lose traction. The clutch also releases or overruns automatically the instant the rear wheels regain traction. Because torque is transmitted to both front wheels, it is a "true" 4WD. The overrunning characteristics of this system allow for an on-demand 4WD engagement and steering ease. Typical applications for Hilliard's front differential include, ATV's, UTV's, side by sides and compact tractors.

