

FRICTION DRIVE CLUTCH

The Hilliard friction clutch provides smooth, quick power on demand for most start and stop applications that require positive engagement/disengagement and overload protection. The lightweight clutch mounts directly on the engine shaft and uses a cable engagement system. The input side of the friction clutch is designed to mount to the engine or motor shaft which allows the driving power source to transmit full torque to the driven device. The output side of the clutch has an adjustable pulley to allow for belt tensioning or ratio adjustment. The clutch can be operated continuously at any engine speed. The driven equipment can be started with a slow or rapid engagement and the operator has full control of the speed. Because the clutch uses a cable engagement system, the operator can hold the clutch engaged or disengaged with a lever or other operator controlled mechanism.



BI-DIRECTIONAL CLUTCH

Hilliard Bi-Direction Overrunning clutches provide positive engagement automatically in either direction. The clutch helps eliminate turf damage caused by slippage on wet grass or inclines by automatically shifting to either driving or overrunning modes. No manual linkages are needed and constant drive is maintained while the clutch is engaged. Some applications include commercial mowers, utility vehicles, snow removal equipment and golf carts.



CENTRIFUGAL CLUTCHES

The Extreme-Duty Sprocket Centrifugal Clutch is ideal for the everyday demands of go-karts and youth-model snowmobiles. A thermodynamically designed clutch shoe increases the clutch's capacity to absorb heat without damaging the clutch springs, resulting in longer life and better reliability. The Extreme-Duty Pulley Centrifugal Clutch is ideal for retrofit or new equipment applications. This clutch was designed to be a low-cost upgrade to the current low-priced centrifugal market and is ideal for the everyday demands of chipper shredders, power trowels, concrete mixers, power screeds, air compressors, lawn and garden equipment, and more.



The Hilliard Corporation has a facility of over 170,000 sq. ft. dedicated to the manufacturing of the Drive Train Product Line. All Hilliard products are manufactured in Elmira, New York.



Hilliard

DRIVE TRAIN DIVISION

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