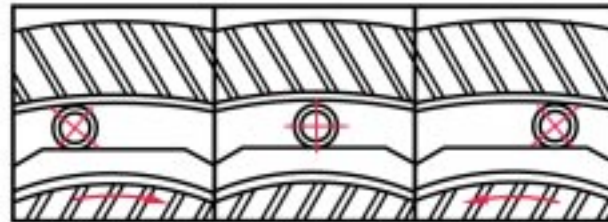




## Overrunning Clutch for Conveyor Drives

The Hilliard bi-directional overrunning clutch is designed for use on conveyor systems. The patented Hilliard clutch can be used in dual drive or dual speed applications. This clutch is truly unique in the conveyor drive industry. It is designed to drive and overrun in forward and reverse, allowing both drives to stay connected to the load at all times. This eliminates the need for disconnect clutches and minimizes downtime during switch over from one drive to another or when switching drive direction. One drive can be disengaged while the other continues operation, allowing for easy repair or maintenance when necessary. It is also retrofittable to existing dual drive systems.

### Modes of Engagement (Inner Member Driving)



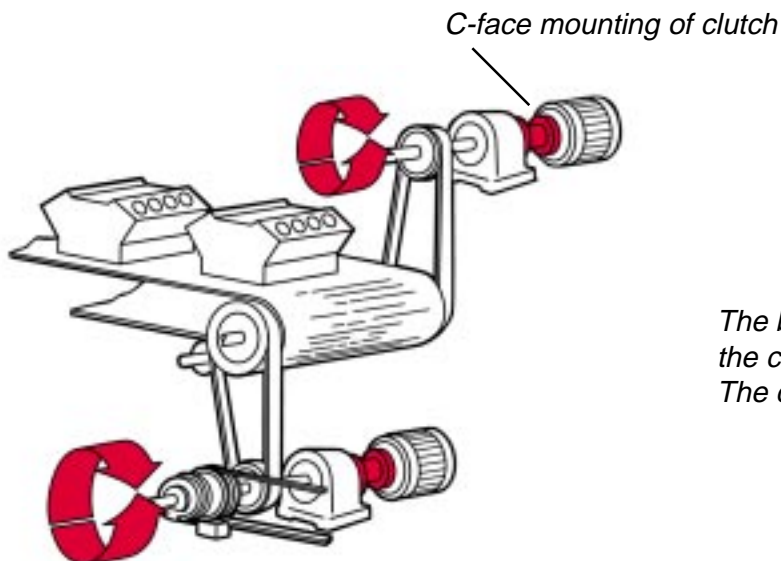
Clockwise  
Engagement

Freewheeling  
(neutral)

Counterclockwise  
Engagement

### Features

- Senses driving direction, automatically shifting to driving or overrunning mode
- Automatic disengagement
- Allows continuous operation
- Available in fractional to over 100 HP ratings
- Can be designed for integration into existing machinery



*The bi-directional clutch allows the direction of the conveyor to be reversed if a jam occurs. The clutch will also allow for manual operation.*

## Applicable Industries

- Steel Mills
- Automobile Assembly Plants
- Wood Pulp Mills
- Glass Coating

## Mounting Designs



*Clutch Coupling*



*Foot Mounted*

*C-face Clutch*

*C-face Clutch*



*Dual Speed Drive*



*C-face*

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