



**Hilliard**

**Motion  
control  
solutions**

**Motion Control  
Products for the  
Concrete Industry**



# Features and Benefits of Motion Control's



## PTO Clutch

- Reliable, Long Life
- Full Control of Clutch Engagement
- Adjustable Torque Setting
- Simplified No Linkage Design
- Bearing Engagement Collar
- Rebuildable Unit



## Friction Torque Limiter

- Smooth Torque Control
- Single-Nut Adjustment
- Dry Operation
- Low Maintenance
- Reliable, Long Life



## Front Drive System (Differential)

- Electric On/Off Engagement
- Automatic Engagement on the Fly
- Positive Engagement of Both Front Wheels in Forward and Reverse
- Constant Drive Maintained While Engaged
- Automatic Disengagement



## Auto-Lok® Differential

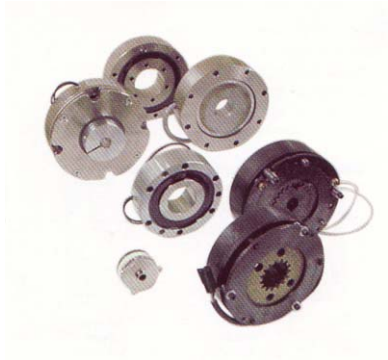
- Equal Power Transferred to Both Wheels Regardless of Traction
- Self-Contained: No Levers or Mechanisms to Engage or Disengage
- Locks and Unlocks Automatically
- Improves Steering and Maneuverability
- Positive Back Drive Through Both Wheels
- Compact Design



## Wheel Clutch

- Two-Wheel Positive Drive
- Low Steering Effort
- Simple Design
- Instant Clutch Engagement
- Unidirectional

# Industry-Related Products



## Electric Brakes

- Heavy-Duty Friction Disc
- Fully Epoxy-Potted Coil
- Easy-to-Adjust for Wear
- Wall or Bearing Mounted
- C-Face Mounting



## Linkless Centrifugal Clutch

- Load-Free Starting
- Overload Protection
- Soft Start
- Vibration-Dampening Bushing System
- Bi-Directional



## Extreme-Duty Centrifugal Clutch

- Sintered Metal Clutch Shoes
- Integral Key Design
- Replaceable Sprocket
- Bi-Directional Operation
- Easy-to-Change Springs
- Load-Free Starting
- Easy to Install



## Extreme-Duty Pulley Centrifugal Clutch

- Bi-Directional Operation
- Overload Protection
- Soft Starts
- Integral Key Design
- Sintered Metal Clutch Shoes
- Easy-to-Change Springs
- Optional Engaging Speeds
- Integral Sheave



## Hilliard Industrial Centrifugal Clutch

- High HP Design
- Protects Against Overload by Limiting Torque
- Absorbs Shock, Eliminates Torsional Resonance
- Soft Start-Ups

## Features and Benefits of Twiflex's Industry-Related Products

Twiflex Limited, founded in 1946, specializes in the design, manufacture, and supply of Advanced Braking Technology for industrial applications. Twiflex offers the largest range of industrial disc brake calipers in the world, with models including direct-acting pneumatic, hydraulic, and mechanical; as well as spring-applied hydraulic, pneumatic, and electric released.



*MSH -- Direct Acting Mechanical*

### MSH Disc Brake Caliper

- Simple vibration-proof hand knob provides progressive spring thrust
- Maximum braking force = 195 lbf
- Used with brake discs 0.5 " thick
- Minimum disc diameter is 10"



*MUS-2 -- Spring-Applied / Pneumatically Released*

### MUS-2 Disc Brake Caliper

- Compact size
- Light-duty pneumatic-released caliper requires 65 psi for retraction
- Braking force = 135 lbf
- Designed for light-duty stopping and holding duties
- Left or right hand units available
- Minimum disc diameter is 6"

## Features and Benefits of HILCO's Industry-Related Products



### Portable Filter

- Integral motor pump
- Extends fluid life
- Particulate removal to one micron absolute
- Drain valve and pet-cock vent
- Compact and portable



### HP4 Portable Filter

- Lightweight
- Low cost
- Wide range of elements available to remove particulate or water
- Heavy-duty aluminum construction

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