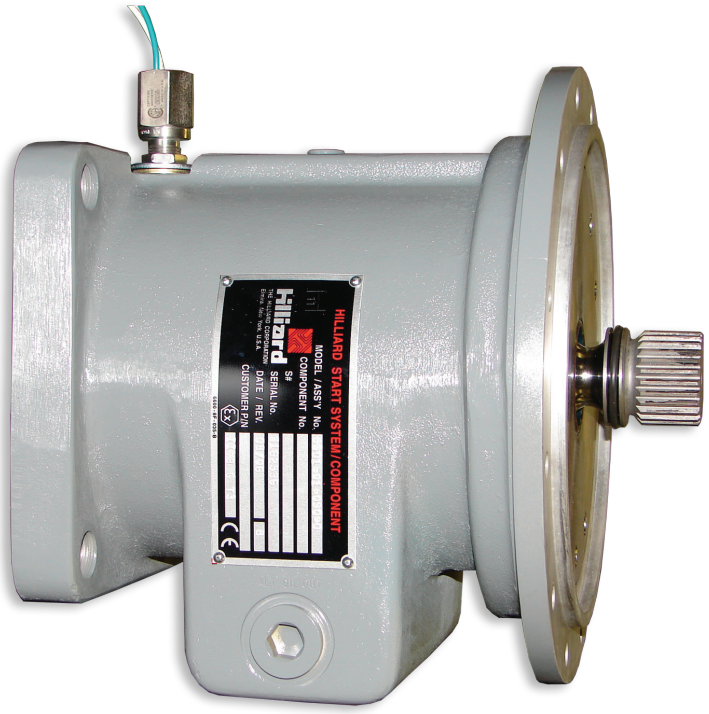
HIGH SPEED OVERRUNNING STARTER DRIVE

Hilliard
Motion Control Division

The Hilliard High-Speed Overrunning Clutch provides positive engagement and high torque on demand. Featuring a unique roller-ramp design, the clutch when engaged transmits power via the precision-machined cam and roller assembly connected to the input shaft. A ball bearing at each end of the roll cage supports and aligns the cam in relation to the drive (output) shaft.

The roller-cam assembly provides a large, variable contact surface between the roller and the drive shaft. Localized wear is minimized, promoting reliability of operation and maximizing the service life of the clutch.

Typical applications include hydraulic, electric, and pneumatic turbine starters; turbine drives, and turbine auxiliary drives.



- Automatic disengagement
- Maintains high torque while engaged
- Ball bearing support and alignment of cam to drive shaft
- Bronze roll cage
- Positive engagement
- Clockwise or counterclockwise rotation available

SPECIFICATIONS/SIZE RANGE

	Torque		Bore		O.D.		Maximum OR Speed
	Lb-Ft	Nm	in.	mm	in.	mm	RPM
Smallest	275	373	1	(25.4)	3	(76.2)	16,000
Largest	925	1,253	1-1/2	(38.1)	4-1/2	(114.3)	10,000

Hilliard Products are Made in the USA

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