



## EMBRAGUES CENTRIFUGOS PARA KERTING

# EXTREME DUTY

## CENTRIFUGAL CLUTCHES





**Our newest centrifugal clutch\* has been engineered to provide**

## Extreme-Duty Go-Kart Centrifugal Clutch



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.

### Precise and durable motion control solutions

Extreme-Duty Centrifugal Clutch	Model #	Bore Size (inches)	Keyway (inches)	Sprocket Specifications	Engaging Speed * (RPM)
Sprocket	LD4S-4	3/4	3/16	10 T, #40/41 chain	2300
	LD4S-4L	3/4	3/16		
	LD4S-5	3/4	3/16	12 T, #35 chain	2300
	LD4S-5L	3/4	3/16		
	LD4S-6	5/8	3/16	10 T, #40/41 chain	2300
	LD4S-6L	5/8	3/16		
	LD4S-7	5/8	3/16	12 T, #35 chain	2300
	LD4S-7L	5/8	3/16		

\* Standard; optional engagement speeds available.

The extreme-duty centrifugal clutches share many of the same benefits and advantages:

#### Benefits

- Bi-directional operation
- Load-free starting
- Optional engaging speeds
- Excellent quality at a competitive price
- Easy to install
- Longer life than competitive clutches
- Overload protection

#### Advantages

- Integral key design
- Sintered metal clutch shoes
- Heat dispersing spring-to-shoe design
- Integral sheave (pulley version)

\* U.S. Patent 6,857,515 B2



**long service life, even in the most demanding applications.**

## Extreme-Duty Pulley Centrifugal Clutch

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.

A thermodynamically designed clutch shoe increases the clutch's capacity to absorb heat without damaging the clutch, making it more dependable and long lasting.



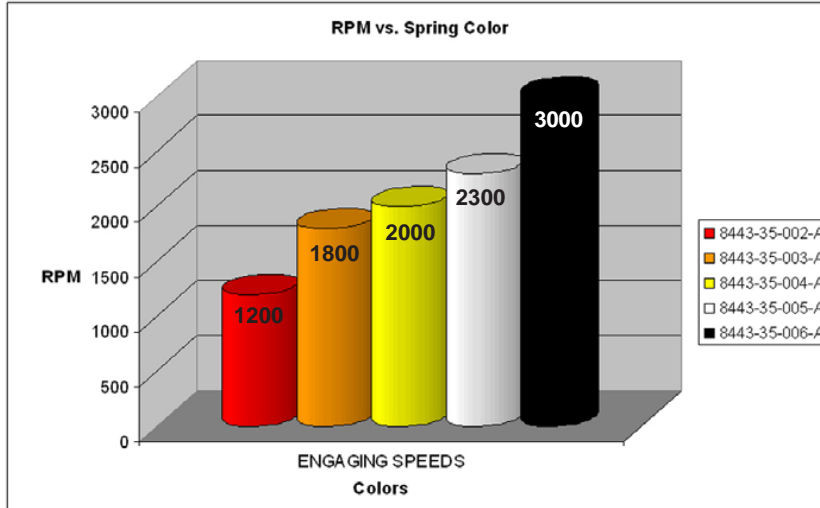
Precise and durable motion control solutions

Extreme-Duty Centrifugal Clutch	Model #	Bore Size	Keyway (inches)	Pulley Diameter (O.D. inches)	Belt Groove	Engaging Speed * (RPM)
4" Single-Groove	LD4P-46	1"	1/4	3.7	AB	1800
	LD4P-59	25mm	1/4	3.7	AB	1800
	LD4P-48	7/8"	3/16	3.7	AB	1800
	LD4P-49	3/4"	3/16	3.7	AB	1800
	LD4P-57	5/8"	3/16	3.7	AB	1800
	LD4P-50	1"	1/4	3.0	AB	1800
	LD4P-58	25mm	1/4	3.0	AB	1800
	LD4P-52	7/8"	3/16	3.0	AB	1800
	LD4P-53	3/4"	3/16	3.0	AB	1800
	LD4P-56	5/8"	3/16	3.0	AB	1800

\* Standard; optional engagement speeds available.



**Clutches are available with optional spring sets for different engagement speeds.**



3000 RPM Spring  
(optional)



2000 RPM Spring  
(optional)



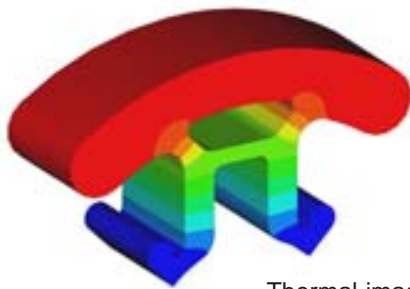
1800 RPM Spring



2300 RPM Spring



1200 RPM Spring  
(optional)



Thermal image of clutch shoe

*The Hilliard Corporation reserves the right to change specifications and dimensions at any time.  
Please contact the factory for the most current information.*



QP-1500-01/06