

DURA•DRIVE **PLUS**

Motorized Pulleys



Proven Technology Perfected by Sparks

Sparks DURA-DRIVE PLUS (DDP) is a completely sealed pulley drive system that sets the standard for reliability, productivity and ease of installation.

All moving parts are enclosed in the steel drum shell for a compact, yet powerful system that runs quietly and can be used in a wide variety of applications. With no external parts, DDP has no pinch points, no risk for electric shock and no external grease. Our exclusive cartridge seal technology significantly reduces the incidence of oil leaks from around the shaft. The result is a cleaner, safer work environment for your employees, and improved OSHA compliance for your business.

DDP motorized pulleys also transfer 95% of power capacity to the belt, a 20% - 35% increase in power efficiency over traditional motor systems. Downtime due to maintenance is minimal – just an in-place oil change every 40,000 hours.

DDP can be paired with two optional mounting brackets for installation in existing systems that takes less than an hour per drive.

The completely sealed internal mechanism is safer and cleaner than a conventional belt drive and requires only an in-place oil change after 40,000 hours with no disassembly required.

Equipped with an F-Class rated inverter-duty asynchronous electric motor.

Hardened precision-cut helical gears are honed and ground for low noise.



Completely Customizable

Sparks DDP motorized pulleys are made in the U.S.A. using only high-quality alloy steel gearing, and can be easily designed into new systems or incorporated into existing systems. We offer a number of different drum shell, lagging and knurling options to meet your individual needs. We also welcome the opportunity to apply what we've learned from more than forty years in motorized pulley manufacturing to design and build a custom DDP pulley that works with your specialized conveyor systems.



The completely sealed internal mechanism is safer and cleaner than a conventional belt drive.

DDP's **compact design takes up less floor space** and less space around the conveyor frame.

DDP operates at a quiet 57-64 decibels vs. 76-80 decibels for a typical conventional drive, potentially eliminating the need for ear protection.

DDP is available with stainless-steel construction rated for washdown.

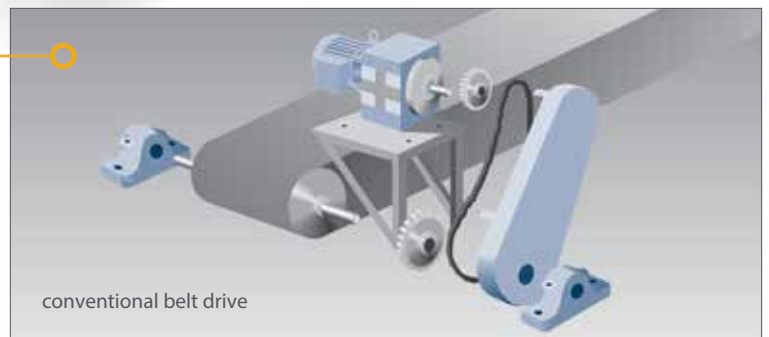
A variety of shell, lagging and knurling options are available.

Optional Configurations

Drum Shell Diameters
3.19", 4.39", 5.38", 6.46", 8.48"

Drum Shell Surface Options
lagging, knurling, 1/4" key for sprockets, positive drive, V-groove, crowned, flat-faced, bolt-on end cap

Electrical Connector Options
terminal box (not available on 3.19" diameter), cable with straight fitting, cable with 90° elbow, cable with conduit elbow



We also offer DURA•DRIVE SPM, a complete line of oil-free synchronous permanent magnet motorized pulleys for energy efficient use in high-level automation environments.

Contact us today to learn more about how Sparks DDP or SPM can improve the safety and efficiency of your conveyor systems.



DURA•DRIVE SPM



SPM uses permanent magnet motor technology (the same technology used in electric vehicles and wind turbines) and is oil-free. All components are sealed, eliminating pinch points and the risk of electric shock for a safer, cleaner drive than conventional belt drives.



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