

CARTRIDGE BEARING ROLLER TECHNOLOGY

An Innovative Design



Industries:

- Warehousing & Distribution
- Manufacturing
- Order Fulfillment
- Automotive
- Parcel Handling
- Appliance
- Cabinetry & Furniture
- Food & Beverage
- Tire manufacturing
- Aerospace
- Government & Military

Benefits:

- Quiet
- Durable
- High capacity
- Exceptional operational life expectancy
- Affordable

Features:

- Static dissipating housing
- Galvanized tube material for corrosion protection
- Precession bearings greased for life
- Suitable for speeds up to 1200 f.p.m.
- 5/16" up to 11/16" **tapered hex** axle, spring loaded both ends of roller for snug engagement in Conveyor frame hex holes

Industry Need:

Noise, or unwanted sound, is considered an occupational hazard that has an adverse effect on workers and their performance. To meet or exceed OSHA noise regulations, several industries have implemented noise mitigation efforts to reduce the sound levels produced by their conveyor systems.

While many products currently on the market have helped reduce noise, their design complexities and high-cost have a negative impact on the bottom line.

LEWCO Solution:

LEWCO's innovative Patent Pending cartridge bearing roller design removes the through shaft. This eliminates distracting vibration noises generated by high speeds. In addition, the cartridge bearing spring loaded tapered hex shaft seats snugly in the frame saving wear on mating hex mounting holes, and reducing noise from poorly seated shaft vibration. It also eliminates costly design elements such as deadening foam filling in the tube.

This innovative technology offers a quieter, simplified design that is easy to use, and provides durability, functionality and capacity you expect at a reduced cost.

Product Application:

Cartridge Bearing **Tapered Hex** Roller technology can be applied throughout your operation in several ways including:

- Wide between frame distances
- Powered conveying configurations
- High Speed Belt Driven rollers
- Poly-V Driven Rollers
- Chain Driven Live Rollers
- Idler rollers
- Return rollers
- Gravity rollers
- And more...

LEWCO Cartridge Bearing Roller Product Line:



2511 CARTRIDGE BEARING

Between Frame: 6" - 90"

Roll Construction: 2.5" Diameter, 11 Gauge

Bearings: Precision, grease packed. 11/16" tapered hex axle, spring-loaded

Roller Surface: Standard Galvanized Tube. Optional Orange Polyurethane



2511 POLY-V CARTRIDGE BEARING

Between Frame: 6" - 90"

Roll Construction: 2.5" Diameter, 11 Gauge

Bearings: Precision, grease packed. 11/16" tapered hex axle, spring-loaded

Roller Surface: Standard Galvanized Tube. Optional Orange Polyurethane



1416 CARTRIDGE BEARING

Between Frame: 6" - 36"

Roll Construction: Round tube, 1.38" Diameter, 16 Gauge

Bearings: Precision, grease packed. 5/16" tapered hex axle, spring-loaded

Roller Surface: Standard galvanized tube. Optional Orange Polyurethane, 1/8" wall or Carbon Steel.



1416 POLY-V CARTRIDGE BEARING

Between Frame: 6" - 36"

Roll Construction: Round tube, 1.38" Diameter, 16 Gauge

Bearings: Precision, grease packed. 5/16" tapered hex axle, spring-loaded

Roller Surface: Standard galvanized tube. Optional Orange Polyurethane, 1/8" wall or Carbon Steel.

About LEWCO:

Located in Sandusky, Ohio, LEWCO is a world-class manufacturer Unit Handling Conveyors. LEWCO's product line is very diverse and serves a wide range of industries. Offering both "standard" conveyor systems and custom-designed networks of belts and rollers that vary by width, length, carrying capacity, speed and color, depending on the customer's needs—**LEWCO is your trusted partner for quality conveyor systems at a competitive price.**

Contact us today at 419-625-4014 to discuss your equipment requirements. Our Application Engineers will assess your situation and recommend a cost-effective solution to meet your unique needs.

