

REPLACEMENT & AFTERMARKET

DRUM PULLEYS



Collaborate / Create / Convey

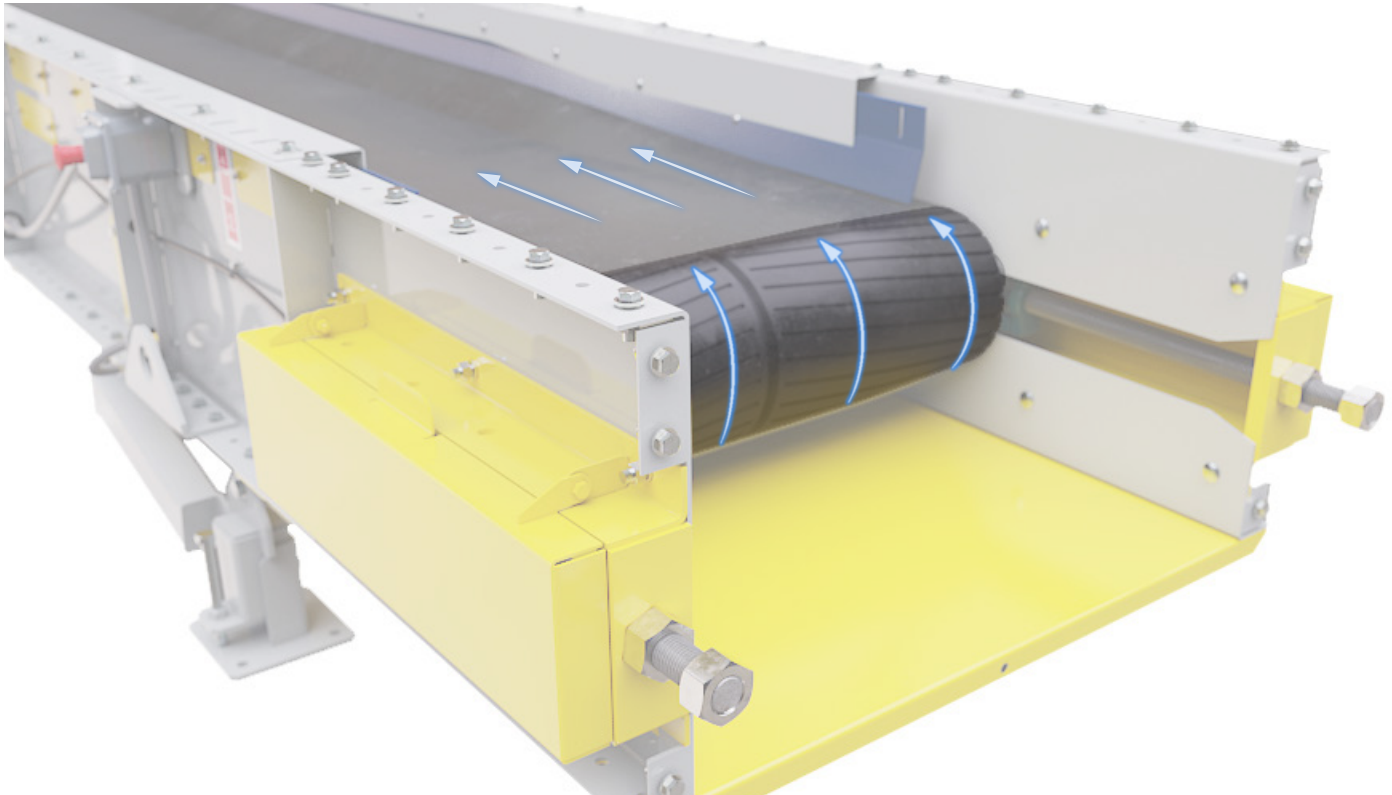
TABLE OF CONTENTS

Drum Pulleys	02	Product specifications	05
Applications	03	The Engineering Advantage	06
Key Features	04	Contact Information	07

© 2026 Fluent Conveyor. All rights reserved.

All content, including text, graphics, and product specifications, is the property of Fluent Conveyor and may not be reproduced, distributed, or transmitted in any form without prior written permission.

DRUM PULLEYS



Drum Pulleys

Drum pulleys deliver the uncompromising driving force necessary to keep power transmission and conveyor systems in continuous motion. Engineered for absolute reliability, these heavy duty components are designed to handle high belt tensions and constant torque without flexing or slipping, ensuring seamless material flow in the most demanding environments. By replacing guesswork with precision, these pulleys provide a pragmatic solution to minimizing wear and eliminating costly operational downtime.

The structural integrity of these pulleys is guaranteed through advanced fabrication techniques, where steel rims, hubs, and discs are fused into a singular, integral component via a continuous submerged arc welded bond. This optimized construction maximizes strength, balance, and concentricity. Whether utilized in drive, tail, bend, or take-up positions, each drum pulley is meticulously engineered to match the exact specifications of the system, maintaining tight belt tension and steady, reliable production.

APPLICATIONS



Waste & Recycling

Engineered to conquer the brutal environments of modern waste management, our heavy-duty drum pulleys deliver the uncompromising reliability necessary to process abrasive debris and organic matter without costly downtime.



Mining & Minerals:

Designed for uncompromising, high-tonnage environments, handling heavy, sharp-edged ores and systems requiring frequent starts and stops under full loads.



Aggregates & Sand:

Pragmatic solutions for facilities conveying coarse-crushed stone or abrasive materials, minimizing wear and maintaining continuous, heavy-duty operation.



Forestry & Transfer:

Optimized for the rigorous, large-scale conveyance of wood pulp and dense bulk materials.



Specialized Environments:

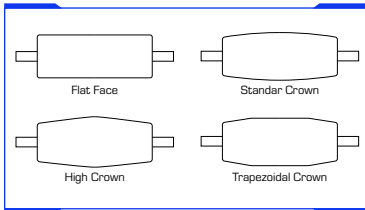
Conquering sanitary requirements for food service with FDA compliant lagging, and ensuring stability in high-temperature or oil and gas applications.

KEY FEATURES

01

Precision Tracking Profiles

Available in standard, high, and trapezoidal crowns to generate a natural belt centering force. These profiles maintain proper alignment and prevent edge damage caused by structural movement.



03

Tailored Material Compounds

Select from SBR, Neoprene, Urethane, and MSHA-rated materials to match your specific operational needs. Our compounds are engineered for superior abrasion, oil, and chemical resistance.

02

Diverse Lagging Selection

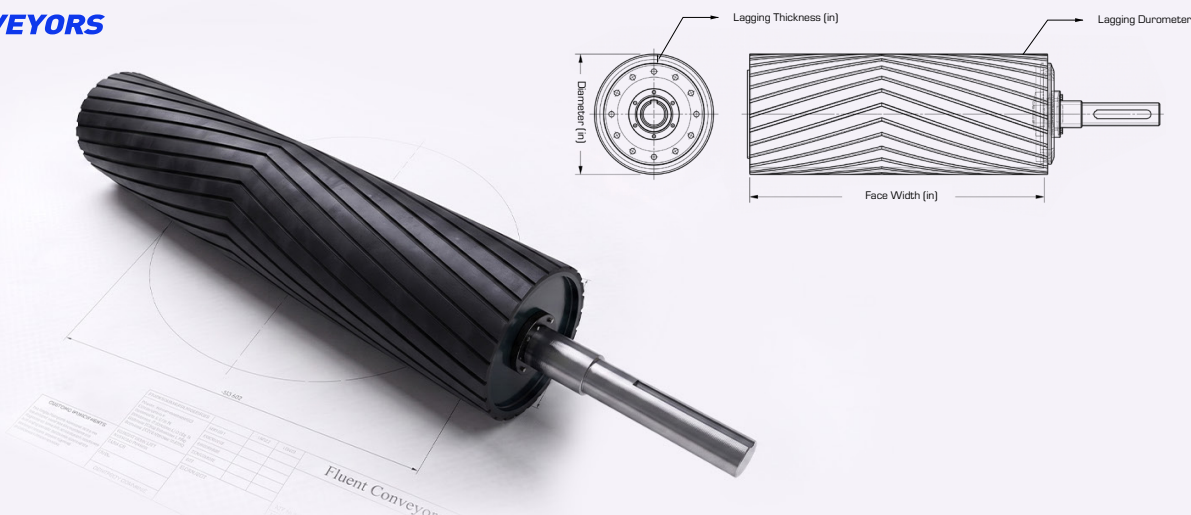
Tailor your traction with smooth, chevron, herringbone, diamond, or ceramic patterns. Each pattern is designed to optimize the interface between the pulley and the belt.



04

Tiered Duty Ratings

Choose between CEMA-rated, mine-duty, or super-duty construction to meet your operational intensity. From general handling to extreme high-tonnage mining, our pulleys are built for maximum uptime.



DRUM PULLEYS SPECIFICATIONS

Parameter	Technical Specification
Pulley Types	Standard drum, Spiral drum, Magnetic head
Diameter (in)	4" - 60" (Duty class dependent)
Face Width (in)	6" - 72" (6"-46" in 2" increments, 51"-66" in 3" increments)
Lagging Thickness (in)	3/8", 1/2", 5/8", 3/4", 1"
Lagging Durometer	45, 60, custom
Shaft Diameter	Sized to application requirements
Bearing Centers	Specified based on conveyor frame dimensions

THE ENGINEERING ADVANTAGE

This section focuses on the "under the hood" technical superiority that defines a Fluent pulley.

Optimized Stress Distribution

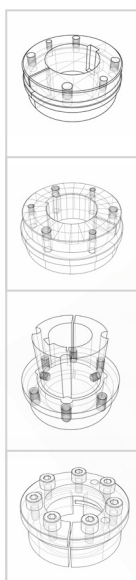
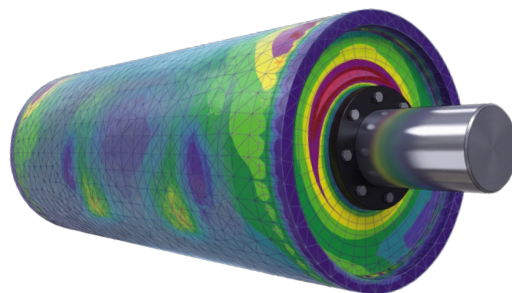
Advanced hub designs and high-tension end discs distribute loading stresses more efficiently than traditional welded alternatives. This technical edge significantly extends service life in high-torque applications.

Elite Hub Architecture

Our Class Three profile discs eliminate welded hubs the industry's most common failure point. By machining the hub directly into the end disc, we dramatically increase structural reliability.

High-Torque Mounting Systems

Fully compatible with GD, XT, Taper-Lock, and keyless locking (KLD) bushing configurations. These systems ensure a secure, vibration-free shaft interface and fast maintenance turnaround.



CONTACT INFORMATION

OUR ENGINEERS WILL SPEC THE EXACT PART FOR YOUR SYSTEM

For product specifications, engineering support, or order inquiries, please contact our team using the information provided below. Our specialists are available to ensure accurate recommendations and efficient service for your application requirements.

Reach Us Directly

Email

Send us your questions or requests, and we'll respond promptly.

sales@fluentconveyors.com

Phone

Call us for immediate assistance and technical support.

[+1\(866\) 764-2980](tel:+18667642980)

Business Hours

Monday - Friday

8:00 AM – 5:00 PM MST

Departments

Sales & Quoting

Product pricing, availability, and order placement.

sales@fluentconveyors.com

Customer Service

Product pricing, availability, and order placement.

[+1 \(303\) 390-1228](tel:+13033901228)

Engineering

Technical specs, application review, custom configurations.

engineering@fluentconveyors.com