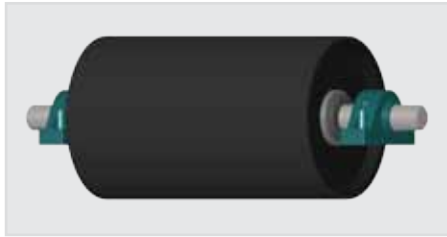


Core Systems™ Designs

Power Transmission Conveyor Components Consulting Services



Standard Sizes

(Custom sizes available on request)

- ▶ **Diameters:** Up to 60"
- ▶ **Face Widths:** Up to 120"
- ▶ **Shafting:** Up to 15"

Frequently Asked Questions

What is Core Systems Designs?

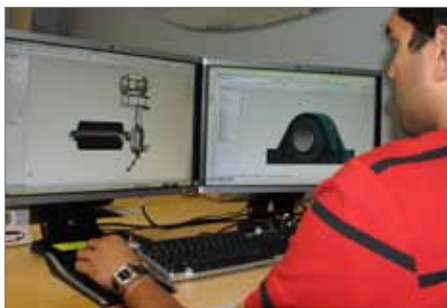
- ▶ Simply put, it's a consulting service to design and supply your power transmission components.

When do I need Core Systems Designs?

- ▶ Anytime you need design expertise advice of your conveyor drive packages. The benefit of the service is, you avoid designing the system or gathering all the parts on your own. It's one phone call, one point of contact and one warranty. If all you need is a conveyor pulley, then you probably don't need Core Systems Designs.

Who do I call?

- ▶ We've partnered with local distributors to get you the best service and support. To find yours, visit superior-ind.com/distributor.



Digital Literature

Forward to Colleague



Core Systems Designs - Dual Head End Drive

Features and Benefits

Single Source Supplier

- ▶ Avoid sourcing parts packages from multiple vendors
- ▶ One point of contact
- ▶ One point of purchase

Performance Matched Components

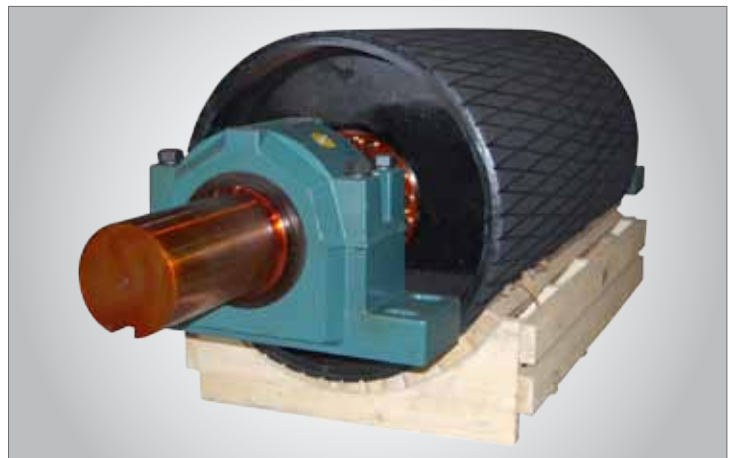
- ▶ Engineering services align power transmission components to your application
- ▶ Engineers apply Finite Element Analysis (FEA) to build per application stress conditions

Pre-assembled Parts Packages

- ▶ Eliminates the headaches of onsite assemblies
- ▶ Reduces installation time

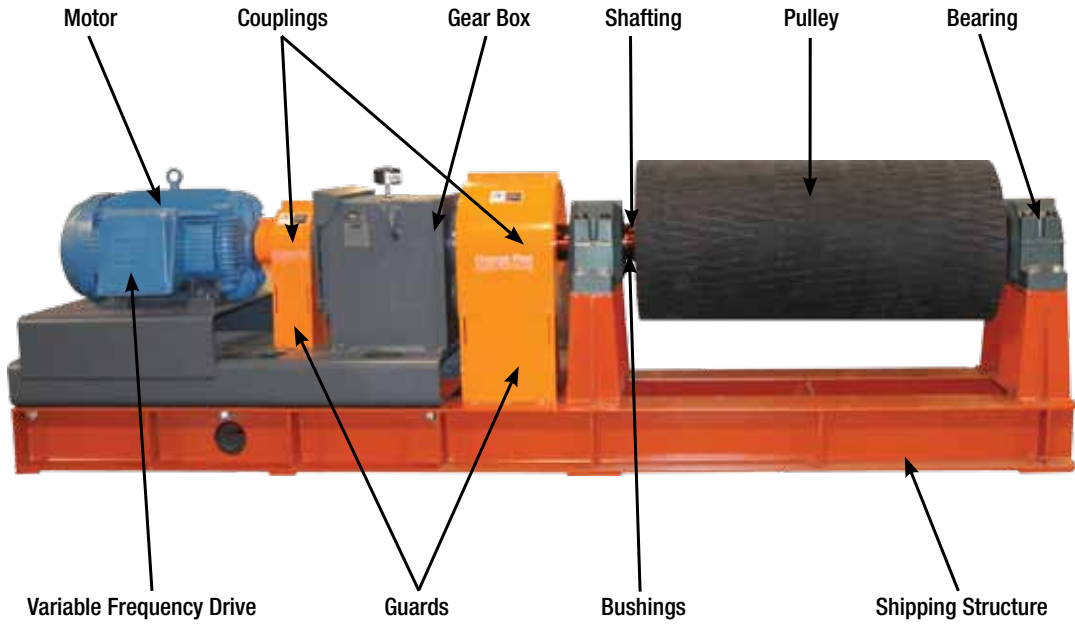
Quick Deliveries

- ▶ Deliveries exceed industry standards
- ▶ Optional 1-2 day turnarounds
- ▶ Expediting services available
- ▶ Stocked power transmission warehouse

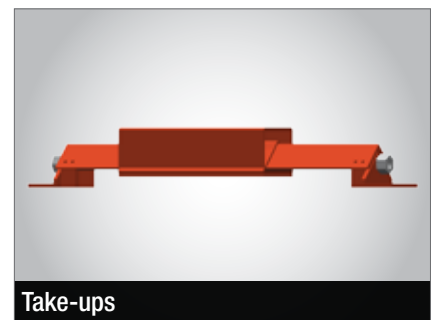
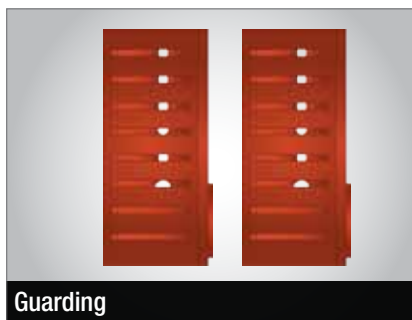
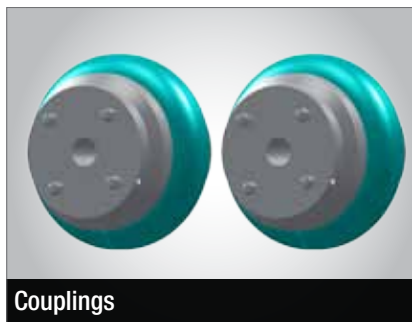
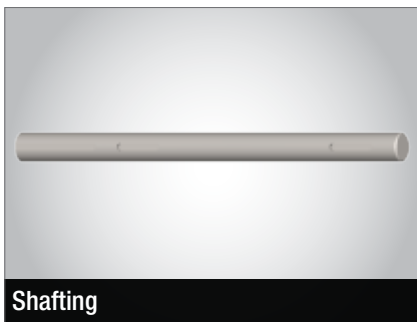
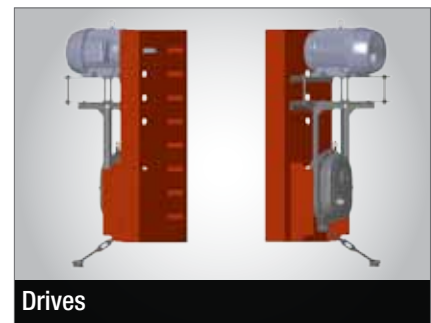
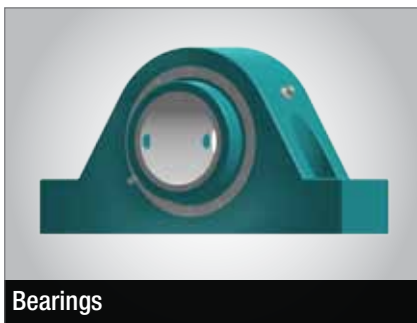


Single Source Supplier

► Engineering consultants work directly with you to determine the correct drive package for your application.



Complete Drive Packages



How it Works



Drive Package Replacement

- ▶ There are two routes, sourcing and assembling the parts on your own or accessing them through one point of purchase.

Contact Superior Distributor

- ▶ We are partnered with some of the best distributors in North America for local sales and support. Find them at superior-ind.com/distributor.



Engineering Consultants Design Package

- ▶ Using the specs of your application, a performance matched package is engineered.

Manufacturing and Assembly

- ▶ Optional 1-2 day turnarounds from phone call to completion if needed.



Package Delivery

- ▶ Guaranteed to work, with the security of a two-year warranty.

Core Systems™ Pulley Data Sheet

Complete this Form for a Customized Core Systems™ Quotation
 coresystems@superior-ind.com • Toll Free – 800-321-1558 • Fax – 320-589-3892

Date _____ Submitted By _____
 Customer _____ Contact Name _____
 Plant/Mine/Project _____ Contact Phone or Email _____

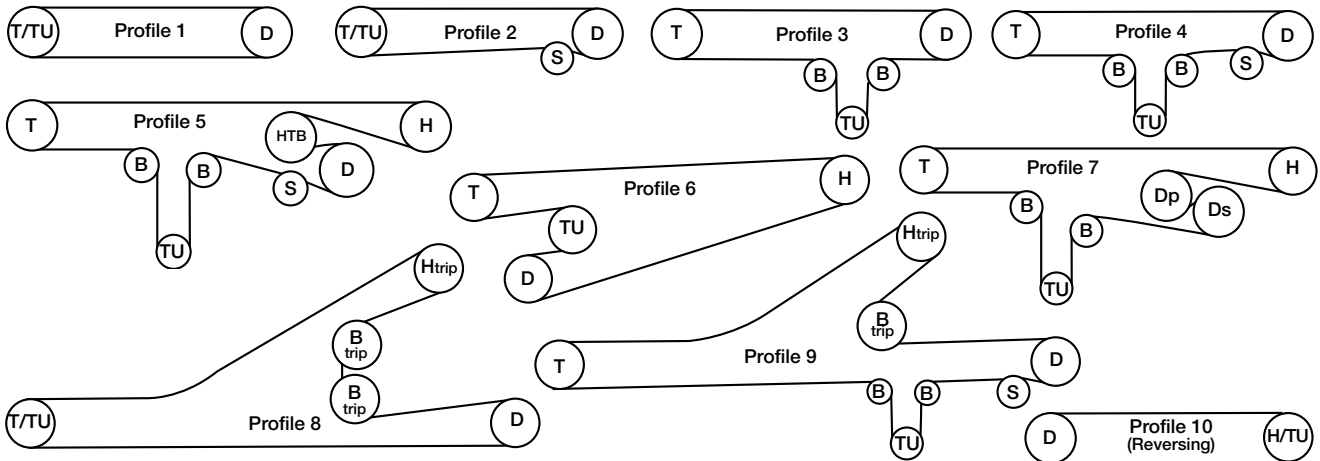
Application Data:

Ambient Temp Range (degrees) _____ Altitude (ft) _____
 Operation (hours/day) _____ Operation (days/year) _____

Conveyor Data:

Conveyor Name/Tag _____ Material (type & max lump size) _____
 Conveyor Capacity (TPH) _____ Material Density (lbs/ft³) _____
 Conveyor Length (ft) _____ Material Repose Angle (degrees) _____
 Conveyor Lift (ft) or Incline (deg) _____ Trough Idler Angle, Spacing & Roll Diameter _____
(if not linear, please sketch curve below) Return Idler Angle, Spacing & Roll Diameter _____
 Belt Width (in) _____ Number of Belt Scrapers/Cleaners _____
 Belt Speed (FPM) _____ Number of Belt Plows _____
 Motor Horsepower (if known) _____ Length of Skirtboards (ft) _____
 Type of Soft Start _____ Height of Material on skirts (In) _____
(Electronic; VFD; Fluid Coupling; or none) Conveyor Belt Details (if known) _____
 Take-Up Type (manual or automatic) _____ Fabric or Steel Cord _____
 Total Installed Counterweight (lbs) _____ Number of Plies & PIW (if known) _____
 Bearing Centers (in) _____ Covers top x bottom (in x in) _____

Conveyor Profile (See types 1 – 10 below). **Circle one.**



If profile differs from one shown, please sketch here:

