

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 _____
 Customer _____
 Plant/Mine/Project _____

Submitted By _____
 Contact Name _____
 Contact Phone or Email _____

Application Data:

Ambient Temp Range (degrees) _____
 Operation (hours/day) _____

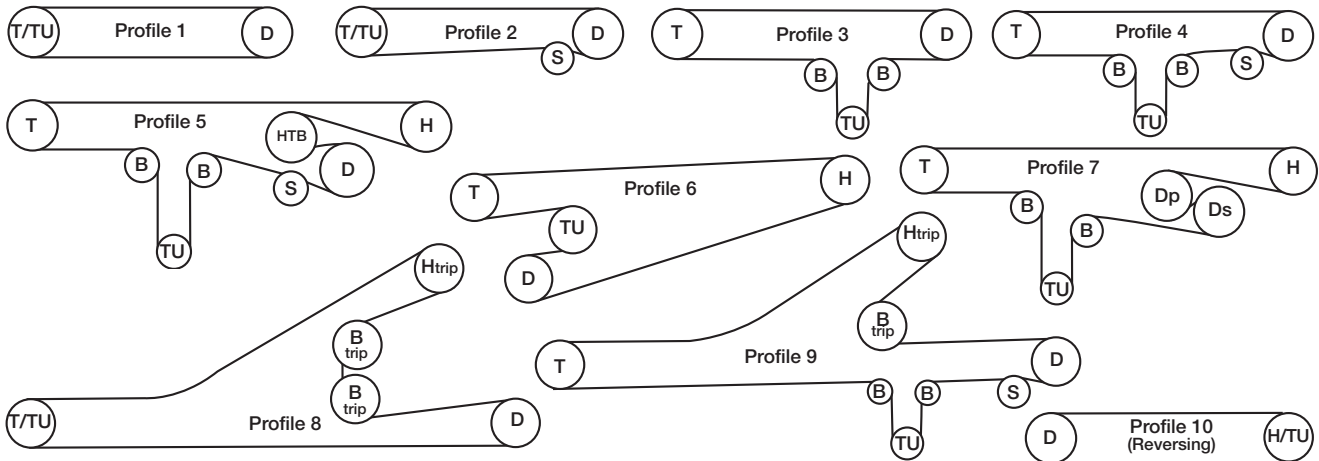
Altitude (ft) _____
 Operation (days/year) _____

Conveyor Data:

Conveyor Name/Tag _____
 Conveyor Capacity (TPH) _____
 Conveyor Length (ft) _____
 Conveyor Lift (ft) or Incline (deg) _____
(if not linear, please sketch curve below)
 Belt Width (in) _____
 Belt Speed (FPM) _____
 Motor Horsepower (if known) _____
 Type of Soft Start _____
(Electronic; VFD; Fluid Coupling; or none)
 Take-Up Type (manual or automatic) _____
 Total Installed Counterweight (lbs) _____
 Bearing Centers (in) _____

Material (type & max lump size) _____
 Material Density (lbs/ft³) _____
 Material Repose Angle (degrees) _____
 Trough Idler Angle, Spacing & Roll Diameter _____
 Return Idler Angle, Spacing & Roll Diameter _____
 Number of Belt Scrapers/Cleaners _____
 Number of Belt Plows _____
 Length of Skirtboards (ft) _____
 Height of Material on skirts (In) _____
 Conveyor Belt Details (if known) _____
 Fabric or Steel Cord _____
 Number of Plies & PIW (if known) _____
 Covers top x bottom (in x in) _____

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

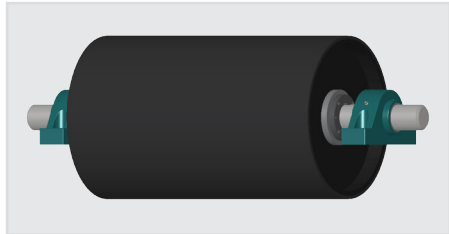


If profile differs from one shown, please sketch here:



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?

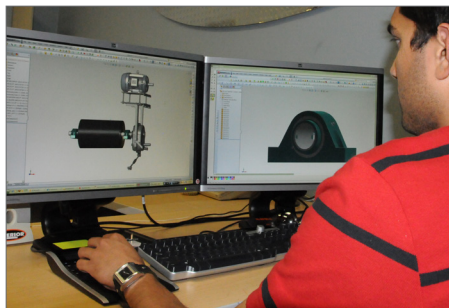
- ▶ Simply put, it's a consulting service to design and supply your power transmission components.

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



Features and Benefits

Single Source Supplier

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

Performance Matched Components

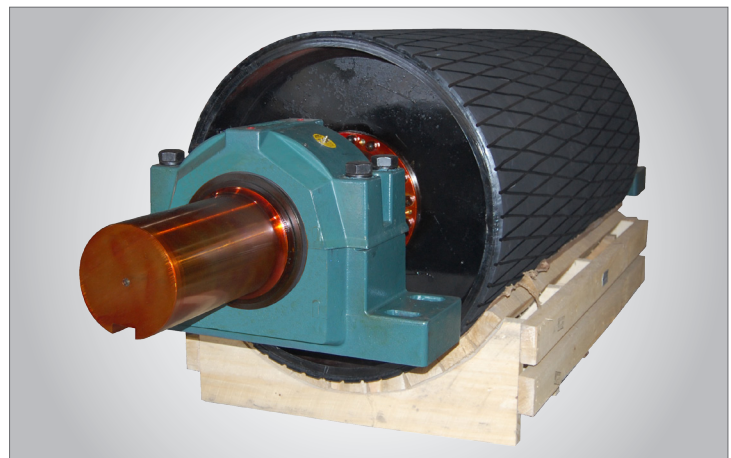
- ▶ Engineering services align power transmission components to your application
- ▶ Engineers apply Finite Element Analysis (FEA) to build per application stress conditions

Pre-assembled Parts Packages

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

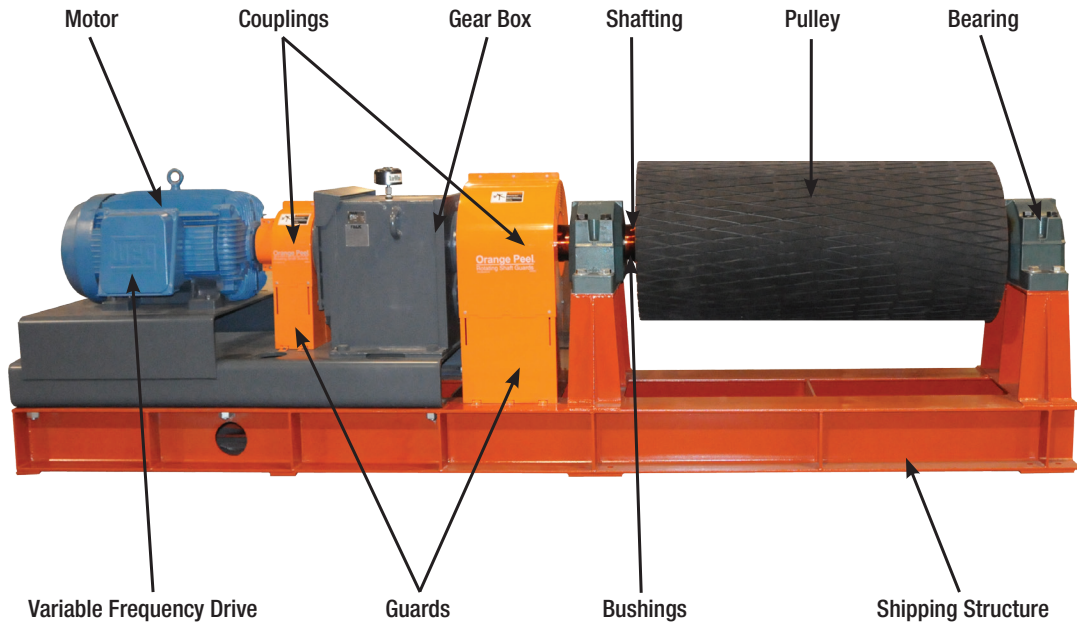
Quick Deliveries

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

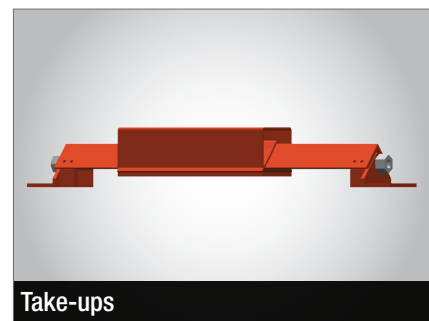
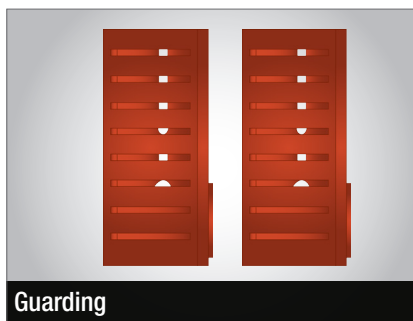
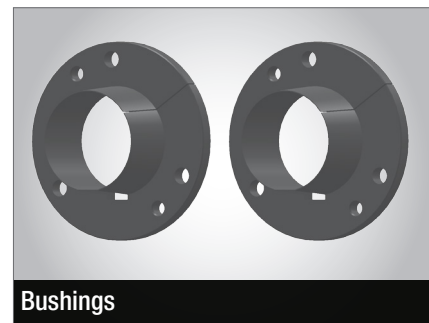
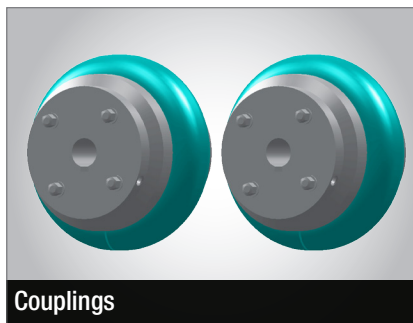
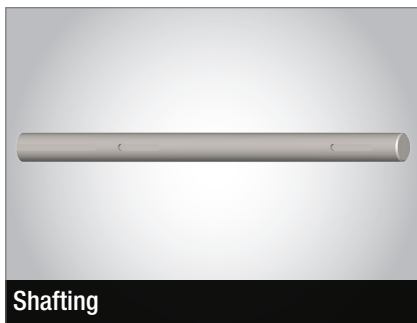
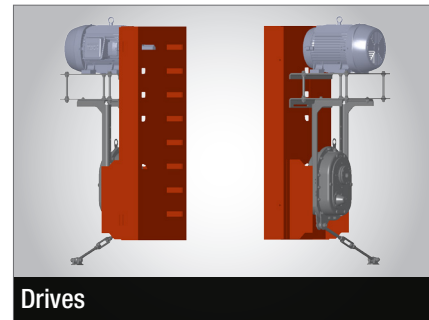
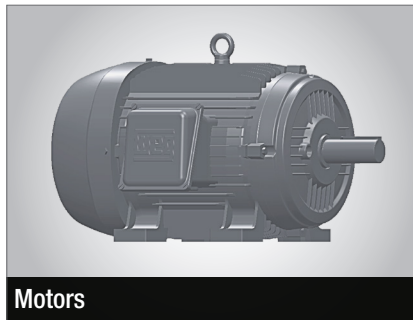
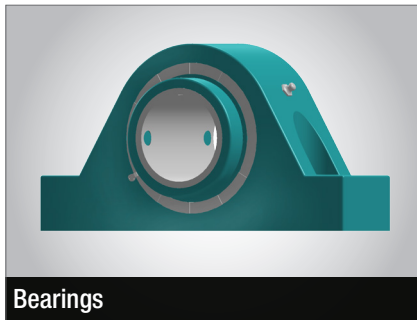


Single Source Supplier

► 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.

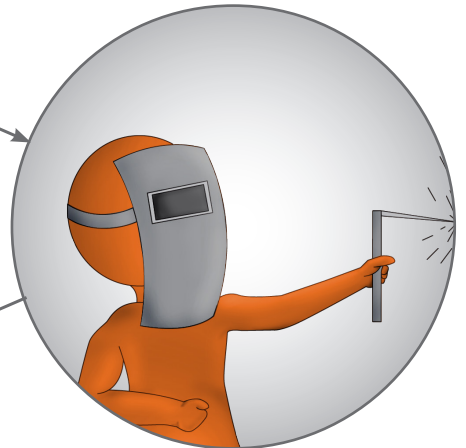


Engineering Consultants Design Package

- ▶ 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.