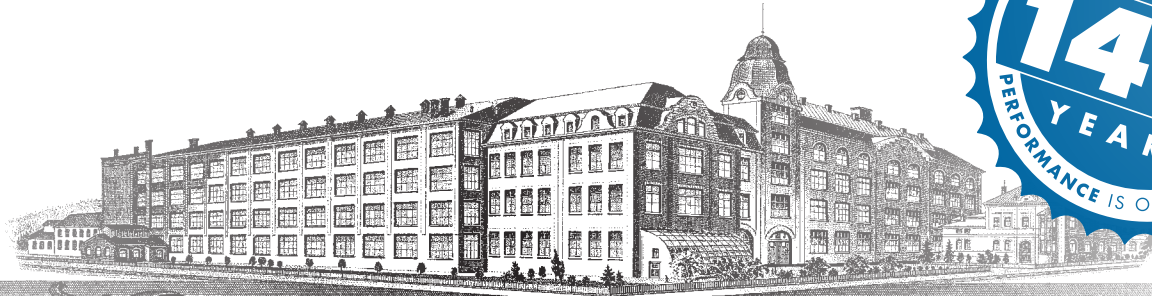




COMPANY PROFILE PRODUCTS & CAPABILITIES



OPTIBELT GLOBAL



Köstersche Gummifädenfabrik
EMIL ARNTZ, Kom.-Ges.

OUR VISION

To be a global leader in development, manufacturing and marketing of technically demanding power transmission belts and drive solutions offering a complete range of product, service and know-how in key market segments.

STRENGTHS

- Value-added products
- Engineering and technical support
- R&D to meet customer's demands and applications
- Focus on key market segments
- Sales, engineering and logistic support
- Extensive PU, rubber and metal product range
- Global presence

HISTORY

- Founded in Germany by Emil Arntz in 1872
- Family company in the 5th generation
- Stability, independence and quality for generations
- Continuous development of sophisticated drive solutions for customers around the globe
- Highest standards in quality and technology. That's our tradition

CORPORATE DIVISIONS

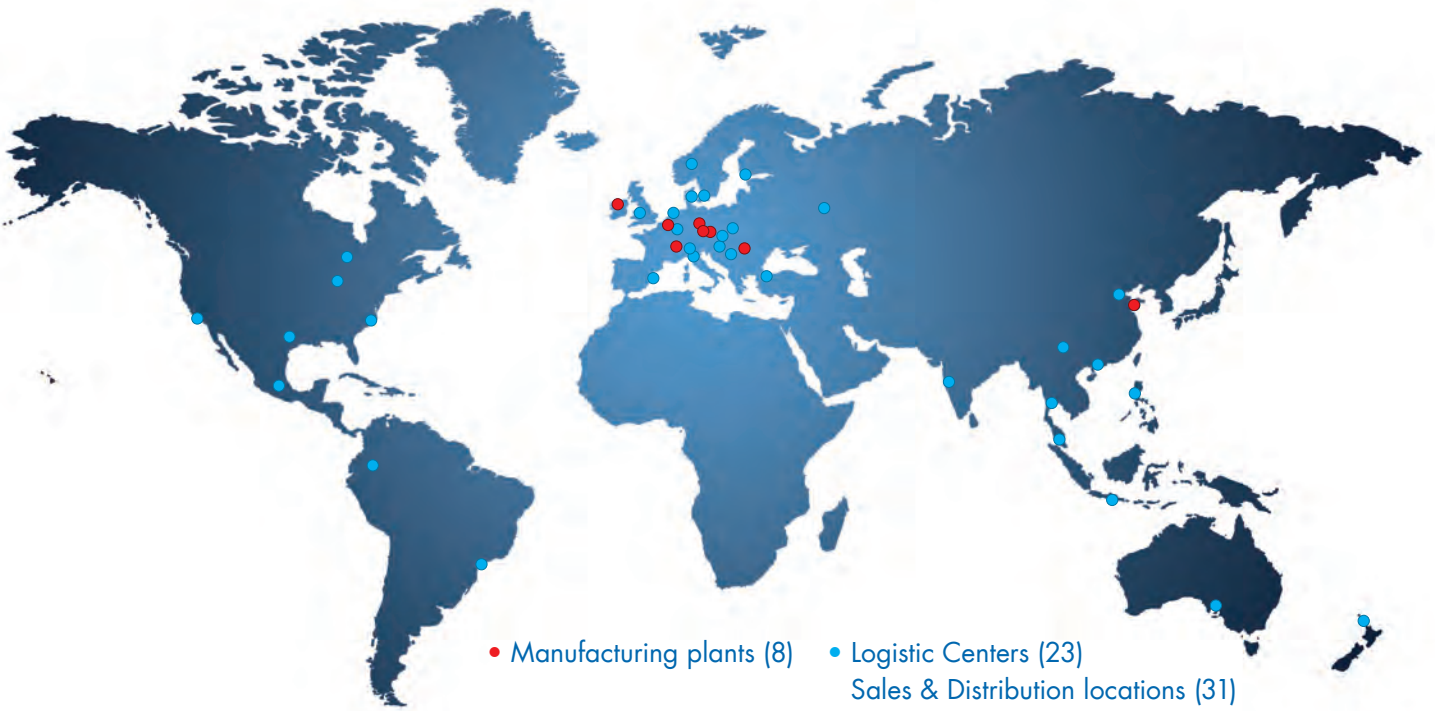
- Power Transmission
- Material Handling
- Automotive
- Elastomer Solutions



OPTIBELT AMERICAS

LOCATIONS

The company has a total of 8 manufacturing facilities and operates 23 logistic centers and 31 locations around the world. Locations in North & South America are in USA, Canada, Mexico, Colombia and Brazil.



LOCATIONS IN NORTH & SOUTH AMERICA



MARKET SEGMENTS

Optibelt's broad range of power transmission products are used in all types of different industries. These applications range from precision movements, conveyance of products, HVAC fans, and large industrial machinery.

- Aggregate
- Agriculture
- Athletic & Training
- Automotive
- Cement
- Distribution & Logistics
- Food Processing & Production
- HVAC (Fans & Compressors)
- Lawn Care
- Lumber & Wood Processing
- Industrial Manufacturing
- Mining
- Oil & Natural Gas
- Power Sports
- Printing & Plotting
- Road Construction
- Sealing & Dampening
- Sport & Leisure
- Textiles
- Transportation
- HVAC, Fans & Compressors
- X-Ray Protection

SERVICES & SOLUTIONS

ENGINEERING

Optibelt was founded on being able to offer superior products. The backbone of this capability is due to our engineering staff. Our product engineers develop our own materials and manufacturing processes so we can offer industry leading products. In addition our Application Engineers are constantly working with customers to resolve problems and create solutions.

MANUFACTURING

Our 140+ years experience manufacturing power transmission products has given us some unique manufacturing capabilities such as:

- Mixing/binding our rubber compounds on site
- Cutting and wrapping fabric covers
- Individually building each belt to keep customization options available while mass manufacturing to decrease costs
- Speeding the vulcanization process while improving rubber consistency
- Performing systematic quality checks throughout

LOGISTICS & DISTRIBUTION

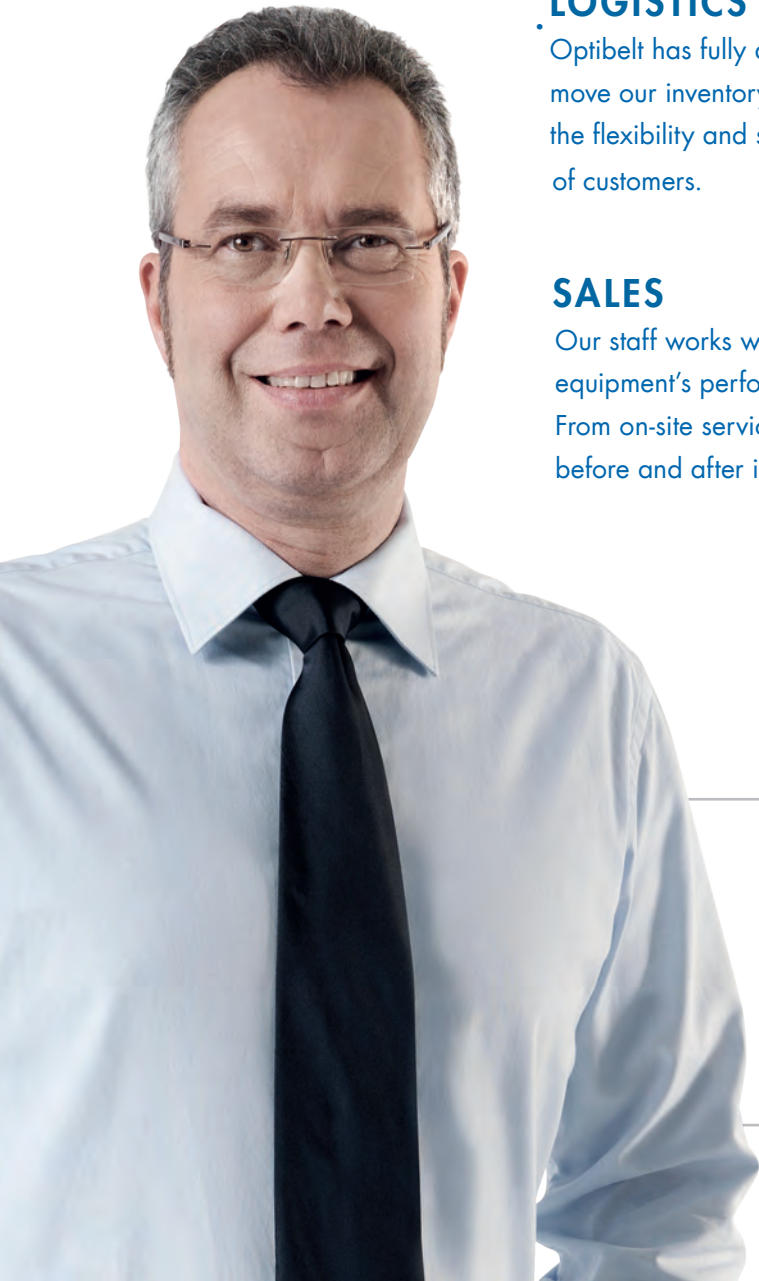
Optibelt has fully automated its central logistics center. This means we can move our inventory to where it needs to be around the globe faster. It gives us the flexibility and speed to open our entire global inventory to a greater number of customers.

SALES

Our staff works with facility managers and on-site engineers to maximize their equipment's performance, improve energy efficiency, and reduce yearly costs. From on-site services to analyzing equipment failures, our staff supports customers before and after installation.

ENGINEERING SUPPORT & ON-SITE CONSULTATION

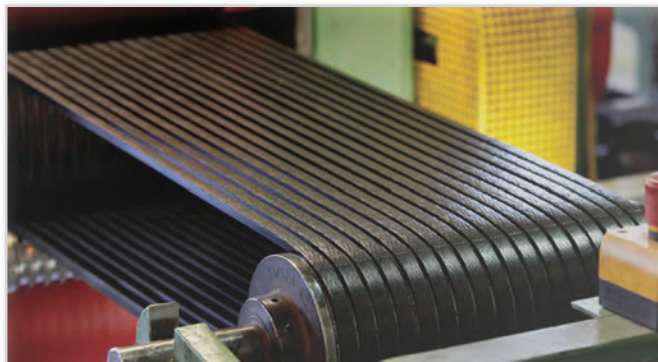
Optibelt can assist your operations with a full site review, expert engineering services, and custom manufactured products.





V-BELTS

Optibelt started manufacturing v-belts 70 years ago and since we have been perfecting our processes and expanding our product line-up. Today we manufacture the best standard, high performance and customized/OEM v-belts in the world.



LENGTH TOLERANCES

Single v-belts of the same length will vary during manufacturing. This is an issue when running multiple v-belts on one drive. Industry matched-set length tolerances were established to identify v-belts with closer tolerances. That meant operations had to track sets of single v-belt matched-sets to ensure proper tension.

Optibelt established a higher manufacturing standard called **S=C PLUS** or **Set-Constant**. Every S=C Plus labelled v-belt is much closer to equal lengths than any matched-set **regardless of the date manufactured**. Any drive running multiple single v-belts will run more efficiently simply by using Optibelt S=C PLUS v-belts.

WHAT IT MEANS FOR YOU

- Any of your multiple v-belt drives will consume less power reducing your energy bills.
- Consistent power delivery will reduce drive stress and increase production.
- Reduced maintenance intervals will save replacement costs and valuable production time.



RUBBER TIMING BELTS

Optibelt manufactures a full range of timing belts. Standard stocked sizes are available in custom widths from our distribution centers. We also offer custom manufactured timing belt products to meet exacting drive and performance specifications.

OMEGA TIMING BELTS

Optibelt is unique in the rubber timing belt product category as we created the Omega tooth profile. This profile features a “dimple” at the top of the tooth pattern which reduces the running noise compared to standard HTD and RPP sections.

The Omega “dimple” design allows for air to escape from the pulley so the belt does not suffer from “slap” noise when running at speed.

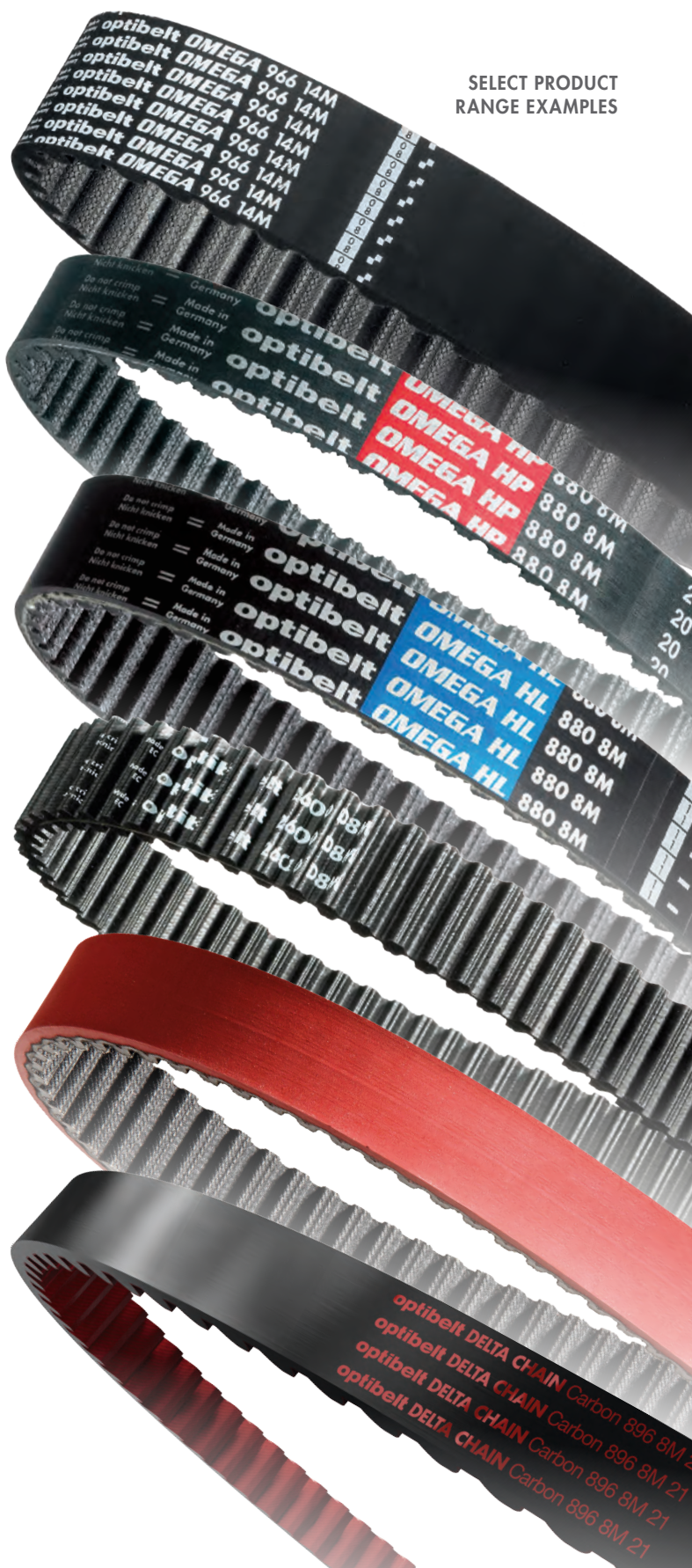
The Omega design also runs in standard HTD and RPP pulleys without any performance degradation.

PRODUCT RANGE

Optibelt’s rubber timing belts come in a full range of sizes, constructions and can be custom manufactured for specific application needs. These include:

- 3M, 5M, 8M, 14M standard stocked sizes.
- ZR Rubber Neoprene timing belts available in standard MXL, XL, L, H, XH, XXH sizes.
- Glass fiber, polyester cords available. Carbon Cord Delta Chain also available.
- Single, double sided, and specialty timing/ribbed double sided.
- Standard and specialized backings
- Delta Chain Carbon is available as a replacement for chain drives and can serve as a drop-in replacement for other manufacturers carbon cord belts.

SELECT PRODUCT RANGE EXAMPLES





POLYURETHANE TIMING BELTS

Optibelt manufactures a full range of timing belts. Products are available in all major standard, imperial and metric profiles

SELECT SAMPLE OF OPTIBELT'S FULL RANGE OF POLYURETHANE TIMING BELTS

PRODUCT RANGE

Alpha Power and Alpha Torque are casted/molded power transmission polyurethane belts.

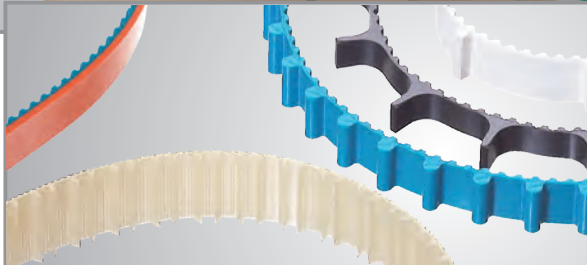
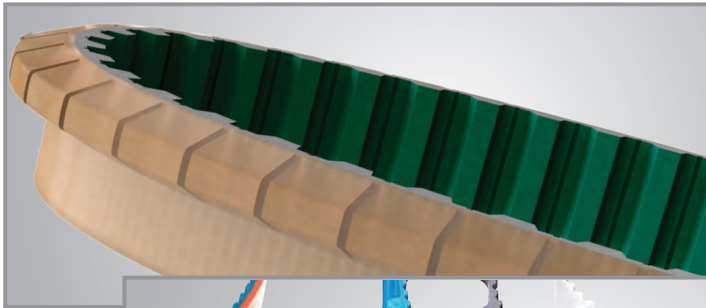
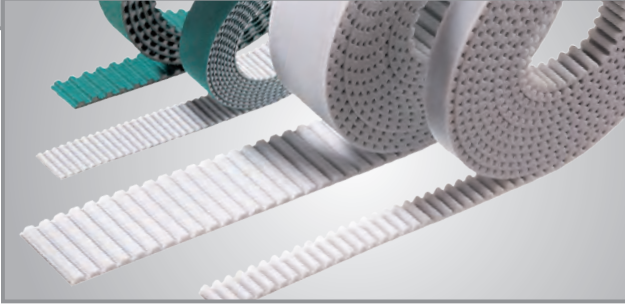
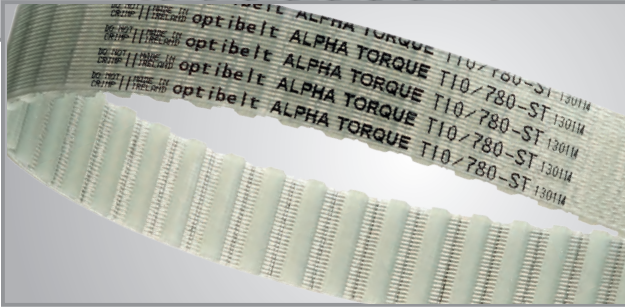
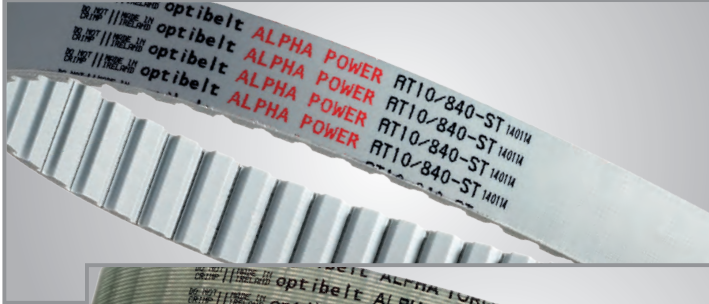
- Alpha Power is capable of up to 30% more power transfer capacity due to its more rigid polyurethane material.
- Factory customization includes backing and stainless steel or aramid cords.

Alpha Flex and Alpha Linear are extruded power transmission polyurethane belts. These belts have thermoplastic polyurethane material which allows for a wide range of customization, such as:

- Fabric teeth and/or material backings
- Welded and removable cleats
- Custom milling, machining, or water-jetting of teeth and/or top surfaces
- Alpha Linear can be spliced together for custom endless applications
- EU/FDA compliant polyurethane compositions and cords available

Alpha Special belts are fully customized extruded belts custom manufactured to customer specs. These belts are completely custom made and are subject to minimum quantities and subject to different lead/delivery times. These belts are available in extruded or casted manufacturing processes.

Optibelt's expanded custom polyurethane capabilities can create what today's modern specialized production lines need!



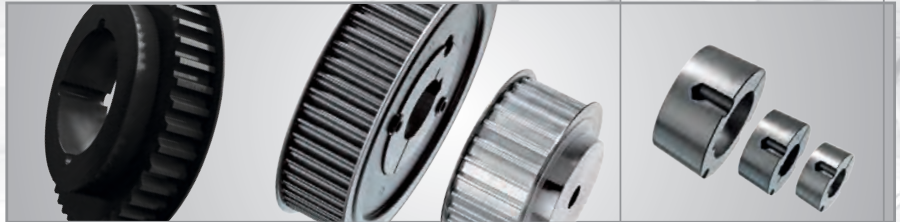
METAL PRODUCTS

PRODUCT RANGE



V-BELT PULLEYS

Tapered Bushings or Minimum Plain Bore available for metric v-belts. QD bushings or Minimum Plain Bore available for inch type belts.



TIMING PULLEYS

- Delta Chain Pulleys with Tapered Bushings
- HTD pulleys with Tapered Bushings or Minimum Plain Bore
- Pulleys for ZR belts (L, H, XH, XL) with Tapered Bushings or Minimum Plain Bore
- Minimum Plain Bore pulleys for metric polyurethane timing belts (T2.5, T5, T10, AT5, AT10)

COUPLINGS by: Tecnic *(formerly Desch)*

Tecnic is the newest addition to the Optibelt Group. Tecnic is a leading manufacturer of power transmission couplings. In addition to a wide range of standard products, they can also custom engineer custom drive solutions.



HADEFLEX



HRC



PEX



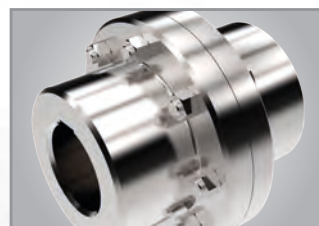
FLEX



MINI COUPLINGS



CLAMP COUPLINGS



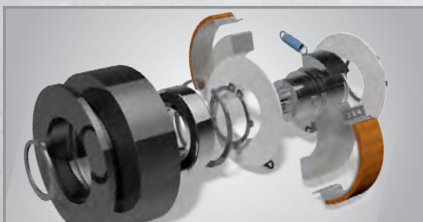
FLANGED COUPLINGS



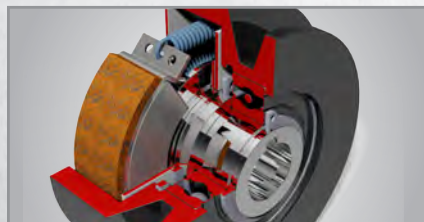
GEARED COUPLINGS

CENTRIFUGAL CLUTCHES & BRAKES by: Amsbeck

Optibelt has partnered with Amsbeck clutches and brakes. This allows Optibelt the ability to offer a complete range of power transmission products for complete drive solutions.



MECHANICAL CLUTCHES & BRAKES



HYDRAULIC CLUTCHES



STANDARD & CUSTOM DESIGNS