



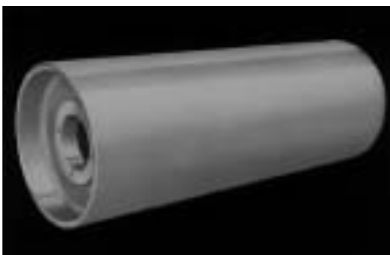
"HDD" HEAVY DUTY DRUM CONVEYOR PULLEY

The toughest conveyor applications require ruggedness offered by a "HDD" Heavy Duty Drum Pulley. Steel rims, hubs and discs are fused into an integral component by a continuous submerged arc welded bond that maximizes pulley strength, balance and concentricity. The use of internal discs, plus heavier than standard construction reduces radial deformation of the rim and longitudinal deflection of the rim and shaft. The "HDD" pulley is available in standard face widths from 12" to 66" and standard diameters from 10" to 60" - intermediate sizes are available upon request. Available with various hub and bushing systems.



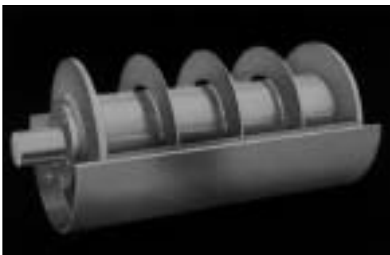
SPIRAL DRUM CONVEYOR PULLEY

The Spiral Drum Pulley is formed by a pair of vertical steel bars helically wound around a "HDD" Heavy Duty Drum Pulley. This unique design reduces buildup between the belt and the pulley while providing continuous belt contact for applications where wing pulleys cannot be used. Rotation of the pulley automatically starts the cleaning action, discharging foreign material to the side of the conveyor. Available in crown or straight face - sizes 12" thru 24" diameter and supplied with various hub and bushing systems.



MINE DUTY DRUM CONVEYOR PULLEY

Mine Duty Drum Pulleys were originally designed for the rugged environment of underground coal mining. Their ultra heavy duty rigid construction has been proven in the toughest conveyor applications. The "good as the shaft" design of Mine Duty Drum Pulleys make them particularly useful for spares or replacement pulleys in critical positions. The Mine Duty Pulleys are available in diameters from 10" to 60" and face widths from 20" to 66". Available with various hub and bushing systems.



THE DUAL DRUM CONVEYOR PULLEY

Dual Drum Pulley has proven unequalled in material handling installations where steel cable and other high modulus belts create excessive loads which cause excessive shaft deflection and premature pulley failure. Designed to decrease shaft slope at the hubs, decrease stress at all end disc weld locations, and eliminate pre-stressing of end discs during assembly with tapered type hubs. Dual Drum Conveyor Pulleys are the proven choice for replacement pulleys when premature failure occurs.



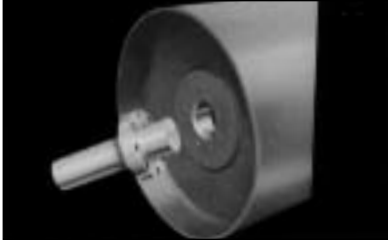
ENGINEERED CLASS DRUM CONVEYOR PULLEY

Bulk handling systems are moving to larger conveyors and increased capacities. The high modulus, high tension belts require pulleys of much higher capacity and durability than standard units. We have the experience, know how, and equipment to custom design and fabricate pulleys for each pulley location and application. Engineered Class Pulleys are supplied with various hub and bushing systems including keyless locking devices used on our profiled and cast disc designed pulleys, which are prevalent on high tension steel cable belt systems.



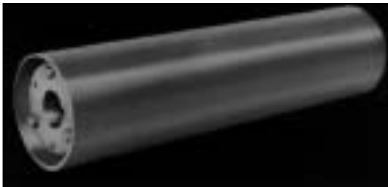
TURBINE PULLEY

Today's efficient high tonnage mines demand dependable long life components. Using state-of-the-art engineering and design techniques, we meet these needs by controlling material stress points. Incorporating all of the benefits of our proven experience in heavy mining pulleys, the turbine offers our customers world class performance.



EZ MOUNT PULLEY SYSTEM

This unique pulley and shaft arrangement allows for fast, safe and economical bearing and shaft replacement without removing the pulley from the conveyor. It reduces maintenance time, downtime and scrap loss by using rugged engineered stub shafts. The pulley and shaft system is manufactured to CEMA standards and Mine Duty specifications.



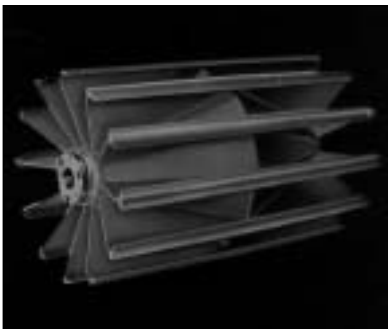
"MFT" MACHINED FACE TUBE CONVEYOR PULLEY

Heavy wall steel tubing and a machined face to ensure maximum strength and concentricity are key features of the "MFT" Machined Face Tube Pulley. Available in crowned and straight face widths. Standard pulley diameters: 4", 5", 6" and 8" are available with various hub and bushing systems.



"SDE" SINGLE DISC ELEVATOR PULLEY

Superior strength best characterizes the "SDE" Single Disc Elevator Pulley. Used primarily in the grain industry, the "SDE" Single Disc Elevator Pulley, with continuous weld on the disc to the rim on both sides of the disc, coupled with heavy duty construction and a high compression hub and bushing affords a one-piece all steel, single disc pulley capable of reducing stress and deflection. The "SDE" Pulley is constructed with a standard crown face unless otherwise specified. Standard diameters range from 16" thru 42" and standard face widths 8" thru 16".



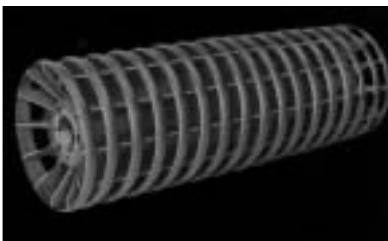
"HDW" HEAVY DUTY WING CONVEYOR PULLEY

Pulley and belt life is extended by the self-cleaning action employed by the "HDW" Heavy Duty Wing Pulley. Individual all-steel wings and gussets expel excessive build up of material from the area of belt contact which enhances traction and reduces abrasion of both belt and pulley. This pulley features a steel tube between the hubs for added strength. Where abrasion and excessive build up conditions exist, the "HDW" Heavy Duty Wing with self-cleaning action provides an excellent alternative to conventional drum style pulleys. Available in standard diameters 8" to 36" and standard face widths from 12" to 66" and supplied with various hub and bushing systems.



"XHDW" EXTRA HEAVY DUTY WING CONVEYOR PULLEY

Demanding wing pulley applications call for "XHDW" Extra Heavy Duty Wing Pulleys. Designed after the "HDW" Heavy Duty Wing Pulley, Extra Heavy Duty Wing Pulleys feature the same self-cleaning action that reduces excessive material build up. The extra heavy duty construction reduces the possibility of metal fatigue and enhances the dependability of the "XHDW" Pulley. A 3/4" X 3/4" reinforcement ring is used on all "XHDW" Pulleys. Available with various hub and bushing systems.



SPIRAL WING CONVEYOR PULLEY

The Spiral Wing Pulley is formed by half oval bars helically wound towards one another, welded to all steel wings, with intervals between them to allow excess material to discharge to the side of the conveyor. Although similar to a standard wing pulley, this design permits continuous pulley contact with the belt during rotation which eliminates excessive noise and vibration without sacrificing self-cleaning action. Available with various hub and bushing systems.



UNIT HANDLING PULLEY

Style XPU pulleys are exclusively designed for light and moderate unit handling conveyor applications such as warehousing, assembly lines and package machinery. They are economical, meet CEMA Standards and are available with 4 to 10 inch diameter and face widths to 52".



PULLEY ASSEMBLIES

For maximum efficiency and added value, we are your single source for conveyor pulley assemblies. We can provide pulley lagging, shafting, bearings and take-up frames to complete the pulley package. Couplings, backstops, and other components can also be mounted, when required.



SHAFTS

Conveyor Pulley Shafting is a vital part of the total pulley application. Standard Precision Shafting is AISI 1045, which represents the higher carbon range in the open hearth carbon group. Excluding alloy steel, the higher carbon content in a AISI 1045 results in one of the strongest steels in the carbon range and machines to a smooth finish. Other alloys, including 4140 are available upon request. Shafting can be keyed or journaled to meet any specification.



HUBS AND BUSHINGS*

We offer a wide range of hub and bushing systems for proper mounting of pulley to shaft. Included are Q.D. Hubs and Bushings (maximum bore 12"), X.T. Hubs and Bushings (maximum bore 12"), Taper-Lock Hubs and Bushings (maximum bore 12") and keyless frictional locking assemblies (maximum bore 23.622"). Keyless locking assemblies are self-contained, high torque capacity units that feature no keyway stress concentration, no axial movement during assembly and high torque capacity. Keyless locking assemblies are used primarily with engineered class pulleys in high tension applications. Other means of securing the pulley to the shaft include press-fit and dead shaft designs. We offer you total flexibility when it comes to mounting pulleys to the shaft.



DEFLECTION WHEELS

Deflection Wheels are designed for the deflection of corrugated side wall belting. Cross-rigidized base belting with corrugated sidewalls can be deflected from horizontal to any incline and back again with Deflection Wheels. We will build to your specification or our design. Please contact the factory for size range and availability.

* Taper-Lock® is the registered trademark of Reliance Electric Company.
Q.D.® is the registered trademark of Emerson Electric Company.
X.T.® is the registered trademark of Emerson Electric Company.