LONGSTANDING RELATIONSHIPS

Technical credibility, manufacturing excellence and flexibility from concept to commissioning allow our experienced team to design and deliver pulleys in critical applications, in the harshest conditions. Each pulley is individually engineered for the belt speed and tension, ensuring reliable, long life, trouble free operation. Some of our customers include companies such as the Ports Corporation of Queensland, Xstrata, FMG, BHP Billiton, Rio Tinto, Anglo American, Peabody Energy, and Transfield Constructions.

BUILDING EXPERIENCE SINCE 1985

Typical pulley options:
- Liveshaft or Deadshaft
- Flat or crowned shell
- Taconite
- Labyrinth or speciality seals
- Oil or grease lubrication
- Self-centering or low pressure locking assemblies
- Stress relieving
- Normalising and non-destructive testing
- All paint finishes and lagging

NEPEAN Conveyors offer a full range of conveyor pulleys, designed specifically to meet individual project requirements. Internally developed industry leading design software and extensive manufacturing capabilities allow NEPEAN to minimise lead times, improve quality and offer competitive pricing on an Australian made product.
Shafts
All shafts are machined from certified high tensile bar and forgings, and designed in accordance with AS1403-2004 for infinite fatigue life.
Shaft deflections are maintained within manufacturer’s recommendations for hub locking devices, whilst care is taken to avoid excessive stress raising characteristics in critical areas of the shaft.

Shell
All plate is rolled and welded to exacting standards to minimise need for balance weights. Specially developed submerged arc welding processes are employed for shaft/end disc connections, and shell longitudinal welds.

Bearings
Deadshaft pulleys feature parallel bore spherical roller bearings with steel or brass cage materials. Liveshaft pulleys are fitted with tapered bore bearings and adaptor sleeves. Hydraulic sleeves fitted standard on larger housings to facilitate installation or removal. Grease or oil lubrication available.

Lagging
Lagging is available in the following forms, either natural or approved FRAS grade:
- Hot vulcanized or cold bonded rubber
- Ceramic tile cold bonded rubber
- Cast polyurethane

Benefits of NEPEAN Designs
Design Experience Built Up Since 1985
Thorough design analysis and carefully selected tolerances to provide unique and specialized solutions for individual customer requirements.

Reputation for Quality
Quality materials and components, world class facilities ensure smooth and accurate shaft radii, welded connections minimise stress.

Reliability
Bearings are selected against all possible operating tensions for reliability, shafts are manufactured for infinite fatigue life.

NEPEAN IS AUSTRALIA’S MARKET LEADER
70% of Australian underground coal mines have invested in NEPEAN equipment. NEPEAN Conveyors is the large scale mining conveyors projects arm of NEPEAN Mining, a division of NEPEAN™ Australia’s largest privately owned engineering, mining services and industrial manufacturing organisation. NEPEAN Conveyors, NEPEAN Power and NEPEAN Longwall provide an extensive portfolio of products and services to independently deliver unique, high quality results, or when united, NEPEAN offers a one stop mining solution.

WITH MORE LOCATIONS, WE PROVIDE UNMATCHED SERVICE AND SUPPORT
In addition to new pulley supply, NEPEAN Conveyors also provide:
- Pulley refurbishment services
- Pulley identification schedules
- Auditing of conveyor systems
- Maintenance training packages

For more information please contact:
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