

METAL7

ENDURIDE

PULLEYS THAT LAST SPECIALIZED IN CHALLENGING APPLICATION

BENEFITS FOR THE CUSTOMER

- ▶ Increased pulley service life, up to 5 times longer than standard pulleys
- ▶ Optimum solution combining gripping capabilities and RESISTANCE against ABRASION
- ▶ Increased availability (uptime) of the equipment
- ▶ Reduced maintenance costs
- ▶ Design for ease refurbishing

WHAT SET US APART

- ▶ Surface engineering expertise and technologies
 - ▶ Use of proprietary Chromium Carbide (CrC) overlay
 - ▶ Used to enhance the performance of our products and equipment
 - ▶ R&D Engineers develop continuously new thermal spray coatings to address specific industry needs
- ▶ Precision balancing
- ▶ Strong knowhow in mining industries: 40+ years experience and expertise
- ▶ Turn key projects

METAL7

285, RUE DES PIONNIERS, SEPT-ÎLES QC G4R 4X9
T +1 418 968 5822 ◦ F +1 418 962 4534
INFO@METAL7.COM ◦ WWW.METAL7.COM

ENDURIDE

1880, RUE PROVINCIALE, QUÉBEC QC G1N 4A2
T 418-266-7777 ◦ SALES@ENDURIDE.COM





THE SOLUTION: METAL 7 EXPERTISE AND TECHNOLOGY

WITH ITS STATE-OF-THE-ART TECHNOLOGY AND VAST EXPERIENCE, METAL7 HAS DEVELOPED AN EXPERTISE TO REFURBISH AND MANUFACTURE CONVEYOR PULLEYS WITH SUPERIOR PERFORMANCE ON ALL TYPES OF PULLEYS UP TO 60 INCHES IN DIAMETER.

Metal7 performs shaft sizing calculations made in accordance with CEMA standards and ensures high structural integrity of the blades and pulley system using finite element analysis (FEA). Combined with its advanced welding technology and high standard materials, Metal7's new and refurbished pulleys provide you best strength and balance.

This wide range of shell protection guarantees the optimum solution combining gripping capabilities and wear resistance.

Metal 7 uses advanced manufacturing methods to deliver high-quality standards. Laboratory wear testing, continuous monitoring and testing pulleys are some of the processes put in place by Metal7 to guarantee weel-balanced, abrasion resistant and high-strenght pulleys. Precision machining, quality welding inspected by a third party, precision balancing and thermal spray coating on critical parts are allowing Metal7 to manufacture and guaranty high performance products.

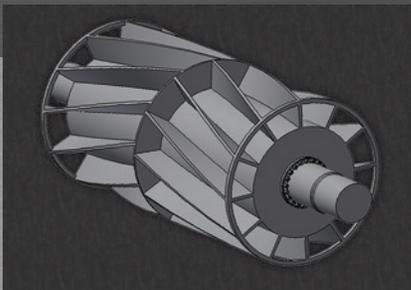
Lagging:

M7-CRC¹
M7-I19¹
M7-D330¹
RUBBER LAGGING
CERAMIC
OTHERS

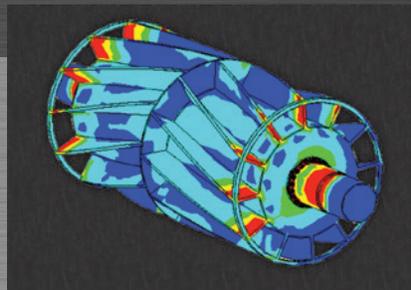
¹ Proprietary coatings developed by Metal7

Coating for shaft protection:

M7-B16¹
M7-B21¹
M7-C21¹



CUSTOM DESIGN



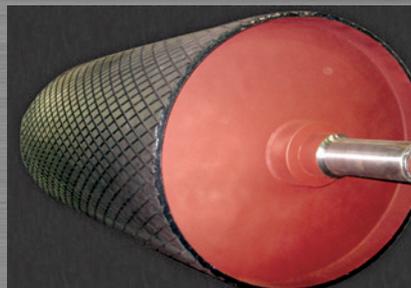
FEA ANALYSIS



CHROME CARBIDE OVERLAY (PAINTED)



CERAMIC LAGGING



STANDARD PULLEY



M7-I19 OVERLAY