APPLICATION SOLUTIONS: PAPER MACHINE ROLLS

Permanent Bearing Protection Leads to Increased Reliability.

Bearings, one of the most important components on paper machine rolls, are designed to operate for many years. Yet, bearing failure is common due to high humidity and heavy washdown environments found in paper mills. If you want to increase reliability and decrease maintenance costs, permanently protect your paper machine rolls from lubrication loss and contamination ingress to prevent premature bearing failure and downtime.

Effectively seal your paper machine rolls with patented Inpro/Seal® Bearing Isolator technology. The Inpro/Seal PMR Bearing Isolator is a compound labyrinth seal developed for use with wet and dry end paper machine rolls to prevent catastrophic bearing failure and minimize unscheduled downtime by protecting bearings against contamination ingress and lubrication loss.

Inpro/Seal PMR with heavy duty flinger.

The Inpro/Seal PMR utilizes an integral heavy duty flinger that rotates with the shaft and provides high performance bearing protection by knocking away moisture and other contaminants while also creating a tortuous path against contamination ingress. For use in heavy washdown environments, a large expulsion port allows for large amounts of moisture or other contaminants to be expelled through the seal into atmosphere. Multiple drive rings protect against lubrication loss and contamination ingress traveling on the shaft.

Consisting of a unitized design, the Inpro/Seal PMR allows for axial growth and up to 0.050" of radial movement, and can also be engineered to accommodate angular movement.

FACTS AT A GLANCE

Inpro/Seal® Bearing Isolators installed on paper machine rolls:

- increase reliability and decrease maintenance costs by providing permanent bearing protection.
- are designed for heavy washdown and high humidity environments.
- can be used for both oil and grease applications.
- are available in split designs for easy installation.
- are custom engineered to meet the requirements of your application.
PAPER MACHINE ROLL REQUEST FOR QUOTE

Data Needed For Quote

APPLICATION: Paper Machine Roll  Other____________________
CURRENT SEALING SOLUTION: Lip  Laby  Other____________________
SHAFT POSITION: Horizontal  Vertical Up  Vertical Down
BEARING TYPE: Ball  Sleeve  Roller
MOUNTING: Flange (see diagram)  Other____________________
PRIMARY FOCUS: Contamination  Lube Retention  Both
LUBE: Oil (level)  Grease  Other____________________
FIRST OBSTRUCTION: Step  Keyway  Other____________________
AXIAL MOVEMENT:____________________
SHAFT SPEED:____________________
MISALIGNMENT:
Center of Bearing Isolator to center of associated bearing:____________________
Length of roll between bearings:____________________
Misalignment of one bearing relative to the other:____________________
TEMPERATURE AT SEAL: °C  |  °F  Min ________  Max ________
ENVIRONMENT:____________________
HOUSING TYPE: Solid  Split
SEAL TYPE: Solid  Split
CONSTRUCTION MATERIAL: Bronze  Stainless  Other____________________
TOTAL PIECES OF EQUIPMENT:____________________
CONTACT FOR QUESTIONS:____________________

Please supply all dimensions to 3 decimal places

Fax RFQ sheet to 309-787-6114 or email info@inpro-seal.com

INPRO/SEAL
A Waukesha Bearings Business
EXPERT ENGINEERING. PROVEN RESULTS.