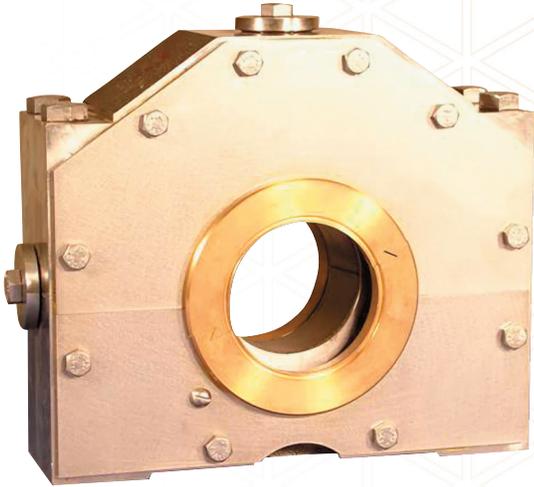


Split Doctor Bearing



Causes of bearing wear

The harsh environments created by the papermaking process can have a detrimental effect on bearings. Despite the technology used in today's materials, repair and replacement of bearings is one of the more common causes for machine downtime. Repair or replacement of worn cam follower bearings often requires the removal of levers and other interfering parts or, in some cases, removal of the entire doctor assembly. The result is excessive and unnecessary downtime.

The split doctor bearing solution

By splitting the housing and the contact block, the split doctor bearing solution offers improved doctor performance and less maintenance downtime for bearing-related issues. The design allows for the removal of the upper section of the housing and block to repair or replace the worn or damaged cam followers on-machine. The lower section remains in its pre-set position, and the repair is completed without disturbing blade angle or doctor alignment.

Split wiper seal

A split wiper seal on each end of the housing contacts the reciprocating shaft and keeps contaminants from entering the bearing housing. The shaft wiper seals can be replaced on-machine eliminating the need to slide the seals off the end of the journal.

Overview



Features

- Long-life, anti-friction bearing
- "On-machine" doctor maintenance
- Doctor setting and alignment retained
- Applicable for all doctoring positions
- All stainless steel construction



Benefits

- Improved uniformity of blade contact to the roll
- Improved blade life
- Reduced downtime
- Reduced sheet wrap potential
- Improved oscillator performance



Split housing with cam roller bearings



Split journal block



Split wiper seal