



CYLINDER UPGRADING

Easier maintenance and more uptime



NEW GENERATION OF CYLINDERS

Focusing on longer lifetime for sensitive parts and easier maintenance, ANDRITZ has developed a new-generation cylinder assembly that enables manufacturers to increase their production capacity and ensures peace of mind for maintenance managers.

SLIDING LINTELS

The innovative design allows maintenance staff to slide the suction lintels in and out without having to remove the base drum nor the sleeve. This optimizes the cleaning effect (fast and efficient), providing better product quality and uptime performance. Downtime is reduced drastically.

LOWER STRESS IN OPERATION

The new bearing design ensures that there is less stress on the cylinder assembly. System working conditions showing improved water tightness in combination with bearing oscillation provide a longer lifetime. As a result, fewer bearings are required as spare parts.

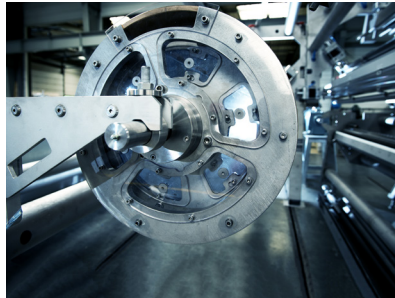
ANDRITZ

Fast upgrading and start-up

One day to remove the existing equipment, and one day to install the cylinder and start up the equipment. You will save a significant number of maintenance hours thanks to the longer bearing lifetime, easy lintel removal, and inspection windows

ACCESS WINDOWS

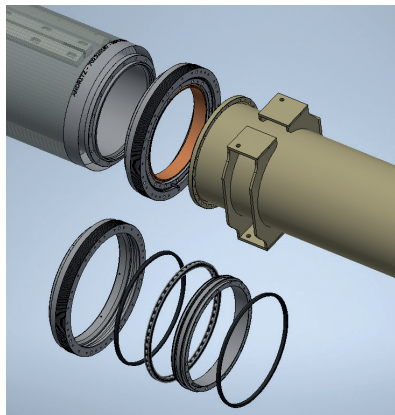
No need to dismantle parts for maintenance and inspection work. Indeed, the sleeves and base drum can remain in place when the lintels are removed. In addition, the inside of the suction pipe is easily accessible for cleaning thanks to the access windows.



Inspection windows

OSCILLATING BEARING

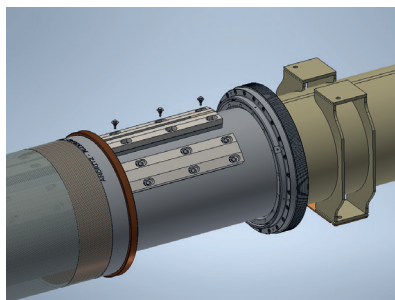
Benefit from a very quick change of the "sandwiched" bearing sub-assembly. The free bearing prevents any radial stress on the bearing balls, the raceway and the entire cylinder assembly in all phases of operation, be it continuous production or when the cylinder needs to be cantilevered. This newly designed bearing assembly ensures increased water suction in operation and improved water tightness thanks to high-quality seals.



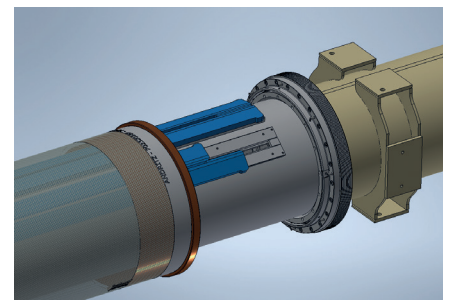
Oscillating bearing

SLIDING LINTELS

Time-consuming servicing of the previous bolted and pre-machined lintels is a thing of the past. Maintenance staff can easily slide the lintels out. The lintels slide on guide-ways to facilitate their removal, and they are held in place by means of automatic clamping.



Former design



New design

BENEFITS

- Save a significant amount of downtime compared to the number of operating hours
- Sleeve and base drum remain in place when lintels are removed
- Multi-groove belt powertrain allows safe and soft torque transfer (even if there is a fiber build-up)
- Lintels can be removed quickly and easily
- Preventive maintenance can be performed at any time, reducing downtime and improving profitability
- Easy maintenance to secure a higher production rate
- Perfect suction uniformity thanks to easy cleaning

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