

Split bellows for ATOX[®] mills ensure improved life of hydraulic cylinder

Key benefits

- **Prolong lifetime of piston rod and seals**
- **Easy inspection and cleaning of cylinder top**
- **Reduce downtime and maintenance costs**
- **Designed with safety in mind**
- **No dismantling of pull rod or cylinder**

Protective bellows, which have been standard on the hydraulic tensioning system of ATOX[®] mills since early 2008, prolong the lifetime of the cylinder piston rod and piston scraper ring and seals. The new ATOX split bellows are an improvement to the original bellows design ensuring fast and easy retrofitting. The material used for the ATOX split bellows is proven to have a long lifetime in dusty environments with high sunlight exposure.

The bellows are fitted with a zipper and can be used for a wide range of ATOX mill sizes, from ATOX 17.5 to ATOX 57.5.

Fast and easy installation

Installation is fast and easy, typically requiring less than 15 minutes. No dismantling of the pull rod/cylinder is required. For mills delivered without standard bellows, only two minor one-time modifications are needed to install the split bellows. Instructions and parts for this are supplied by FLSmidth. The cost of retrofitting the ATOX split bellows is small compared to the benefits they offer, which include longer lifetime of seals and piston rod, less oil spillage, reduced downtime and lower maintenance costs.

The ATOX split bellows are designed to easily ensure maximum safety for maintenance personnel. The bellows' free-resting bottom ring provides easy access to install safety supports on the cylinders when carrying out mill maintenance, as well as easy access to inspect and clean the piston rod and scraper ring.



ATOX[®] split bellow with zipper - for all ATOX[®] mill sizes.

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