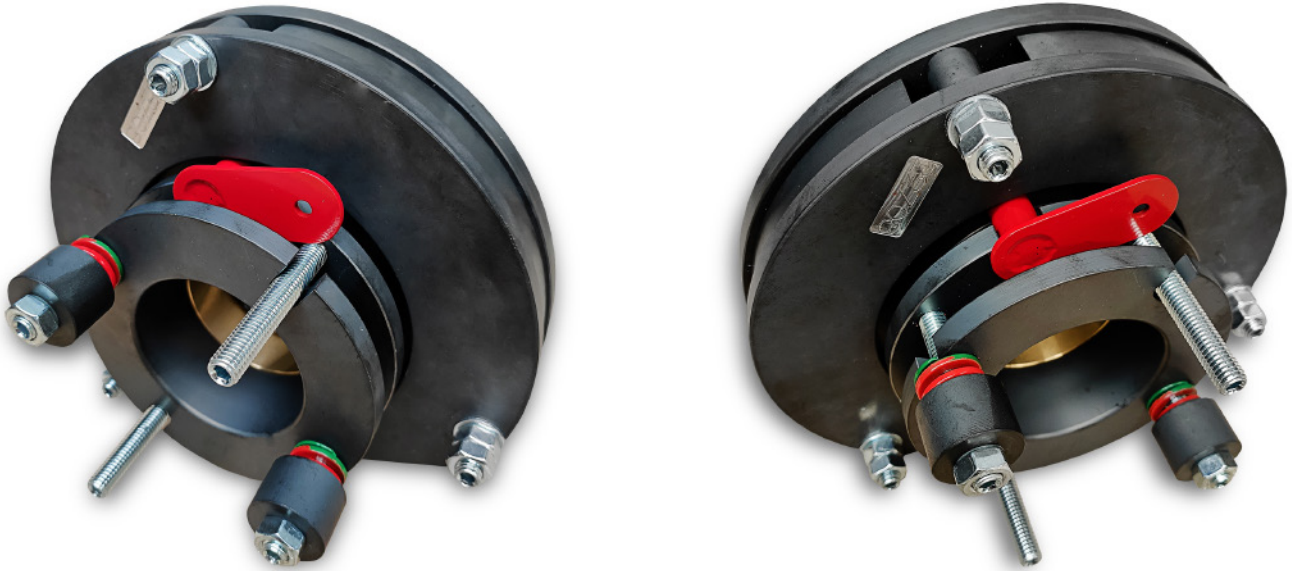


Piston Rod Seal with Tensioning Device: - reduces use of time and consumables for grate maintenance



HZI's new piston rod seal with a tensioning device can reduce the annual time spent on routine grate maintenance work by up to 30 hours.

Piston rod seals are used in Hitachi Zosen Inova's R-series grate. They are designed to prevent particles of ash from escaping from the grate trough. They also offset the radial movements of the piston rod during operation. With the conventional design, piston rod seals have to be checked, manually retightened and lubricated in the course of routine maintenance. The intelligent technical design of HZI's Piston rod seal with tensioning device can massively reduce the maintenance work.

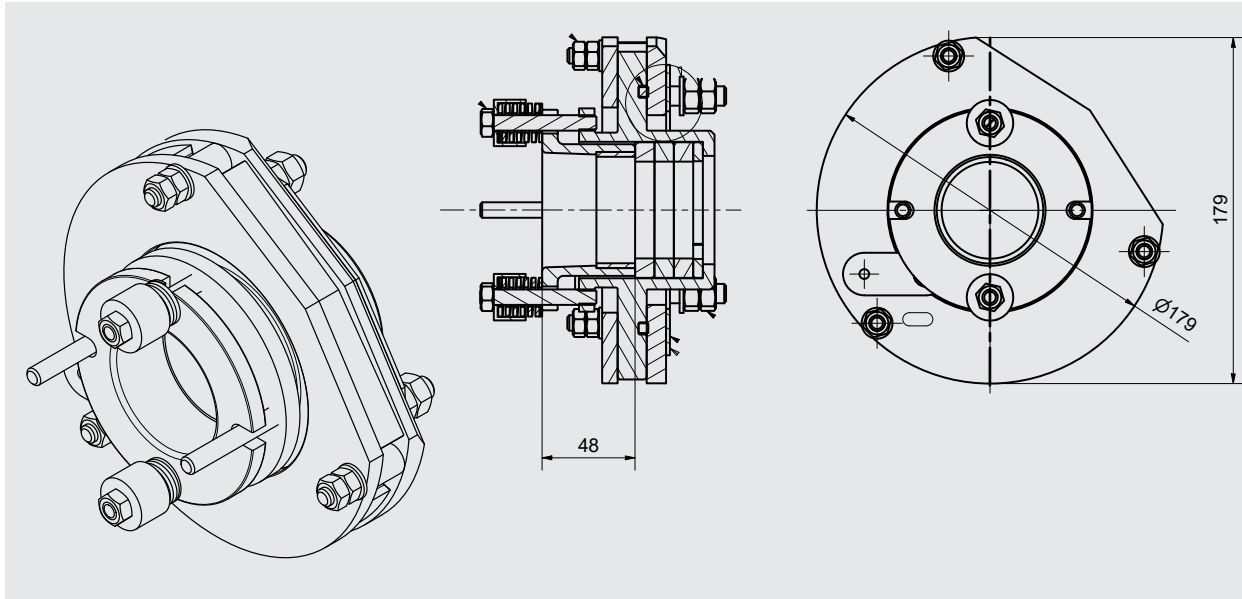
Two independent indicators show when it's time to retighten or swap out the seal ring set. Red markings on the spring assembly indicate when the piston rod seal must be retightened. If the seal has been retightened twice, a second indicator shows that the seal ring set has to be replaced.

Greater Deflection for Less Risk

The maximum radial deflection of the seal has been increased from 2.5 mm to 8 mm. This enables the radial movements of the piston rod during operation to be fully compensated, preventing damage to the hydraulic cylinder. To be able to exploit the maximum possible deflection, the piston rod seal comes with a centring aid to facilitate installation.

Further Benefits

- | Significantly higher sealing performance thanks to spring packing that exerts continuous pressure.
- | Thanks to the integration of a graphite cord, it is no longer necessary to lubricate the piston rod. This the use of consumables and maintenance time.
- | Overall, maintenance intervals are increased and the time spent on maintaining the grate is reduced.



The technical design of the improved piston rod seal was developed in collaboration with our customers. The seal is already used at various installations and has proven how maintenance friendly it is in practice.

Designation:	Piston Rod Seal with Tensioning Device
Item no:	1011505
Weight:	6.3 kg
Material:	1.7131
Includes:	Piston rod seal with tensioning device, including graphite seal cord, 2-part gasket, seal ring set and centring aid