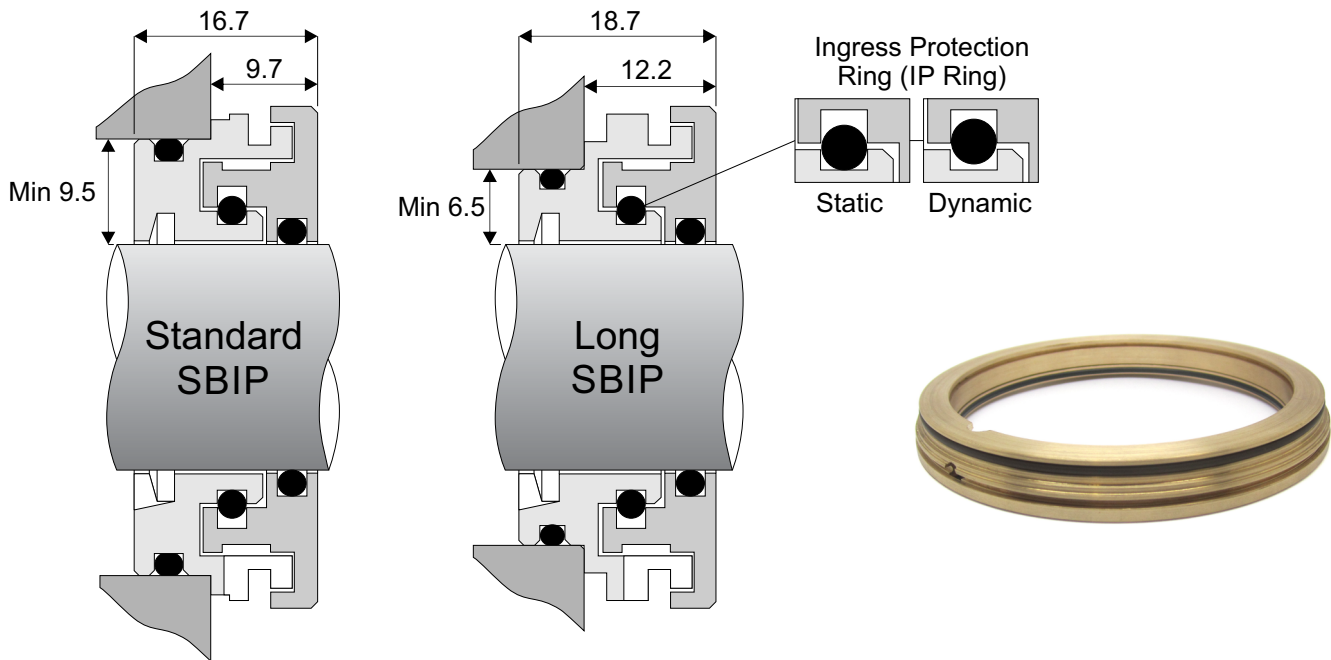


## BEARING INGRESS PROTECTOR



### Features:

- Custom Design
- Unitised assembly
- Non-contact
- Press fit or Flange fit
- 'IP' Ring (Ingress protection ring)
- IP66 Certified

### Benefits:

- Increased Equipment Life
- Improved uptime
- Increased operational profit
- Reduced Bearing Failures
- Reduced Maintenance costs
- Local Manufacture

### Research shows that 52% of all bearing failures are caused by contamination.

The SBIP is a non-contact bearing protector that is IP66 certified, meeting the latest requirements for electric motors SANS 60529: 2013 Ed 1.2 / IEC 60529: 2013 Ed 2.2 degrees of protection provided by enclosures (IP Code). Almost all rotating equipment requires bearings to keep the shaft running true to the housing through which it protrudes. Bearings are typically designed to have a 30 year, or more, work life. This is seldom achieved due to several reasons not relating to the bearing. These include but are not limited to moisture ingress & dust ingress caused by inadequate sealing provided from lip-seals. Lip-seals are designed to have a lifespan of only 500 hours, however this is seldom achieved causing more than 50% of bearing failures.

SBIP offers an exponential increase in equipment life by ensuring that no contamination of the bearings can take place. This is achieved by the 'IP Ring' (Ingress Protection Ring). During operation centrifugal force pushes the 'IP Ring' out which opens the micro gap, allowing the equipment to breathe as the heat that is generated in the bearing chamber needs to escape. No contamination occurs during operation. When equipment stops, the bearing chamber cools and moisture and dust enters the chamber through the lip seal as a vacuum is created. The SBIP 'IP Ring' shuts the micro gap preventing contaminants from entering the bearing chamber.

**THE RESULT IS EXCELLENT EQUIPMENT LIFE AND RELIABILITY**