



A quality conscious organization



ISO 9001
Quality
ISO14001
Environment
OHSAS 18001
Working environment
1828



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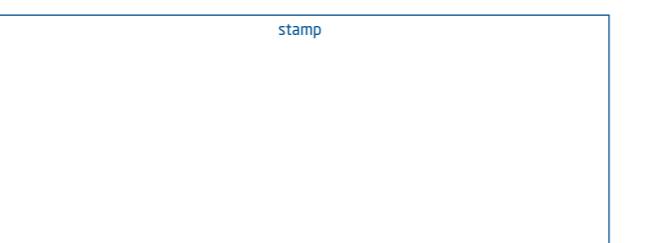


Meccanotecnica
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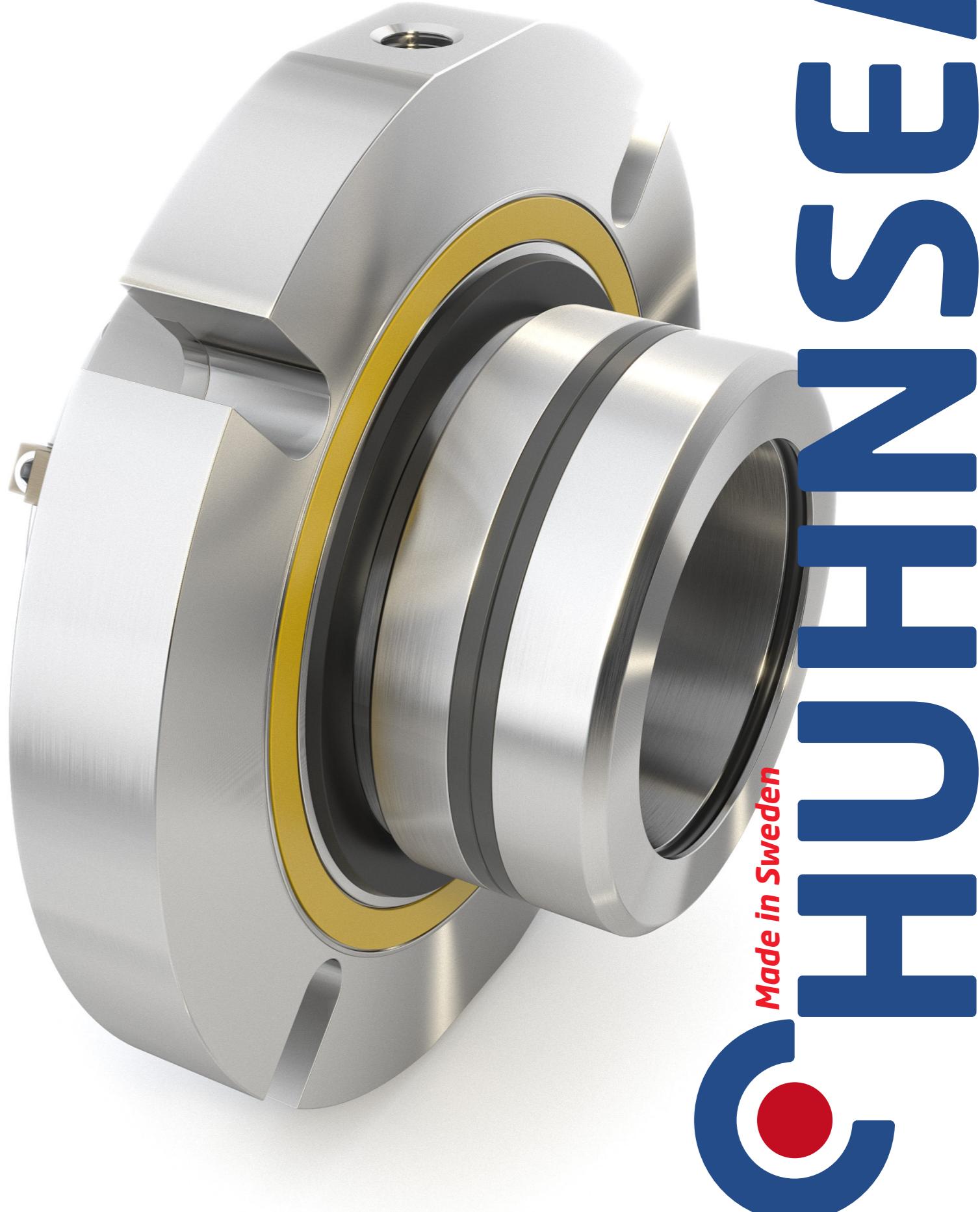
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BFS series

Zero-Flush Mechanical Seals
designed for slurry applications



- **Zero-Flush Mechanical Seals designed for slurry applications**
- **Non-clogging springs isolated from the slurry and surrounding environment**
- **Seal face and holder profile minimizes turbulence and reduces wear**
- **Excellent axial movement capabilities**



Huhnseal BFS is a balanced single mechanical seal specially designed for slurry applications. The spring package is placed outside of the product zone to avoid clogging. The use of this spring package allows for larger axial movement capabilities compared to conventional spring packages. The design is robust with premium materials from top suppliers. In the sealing area the surfaces are smooth with no sharp edges and corners to avoid inducing turbulent flow which will increase the wear.

Special rubber wiper protects the dynamic o-ring and groove from getting clogged and worn by abrasive slurry.

1 Seal faces
Standard silicon carbide faces with optional diamond coating or tungsten carbide

2 Wear resistant design
Axially aligned seal profile of the wetted parts help to avoid inducing turbulent flows that cause excessive wear

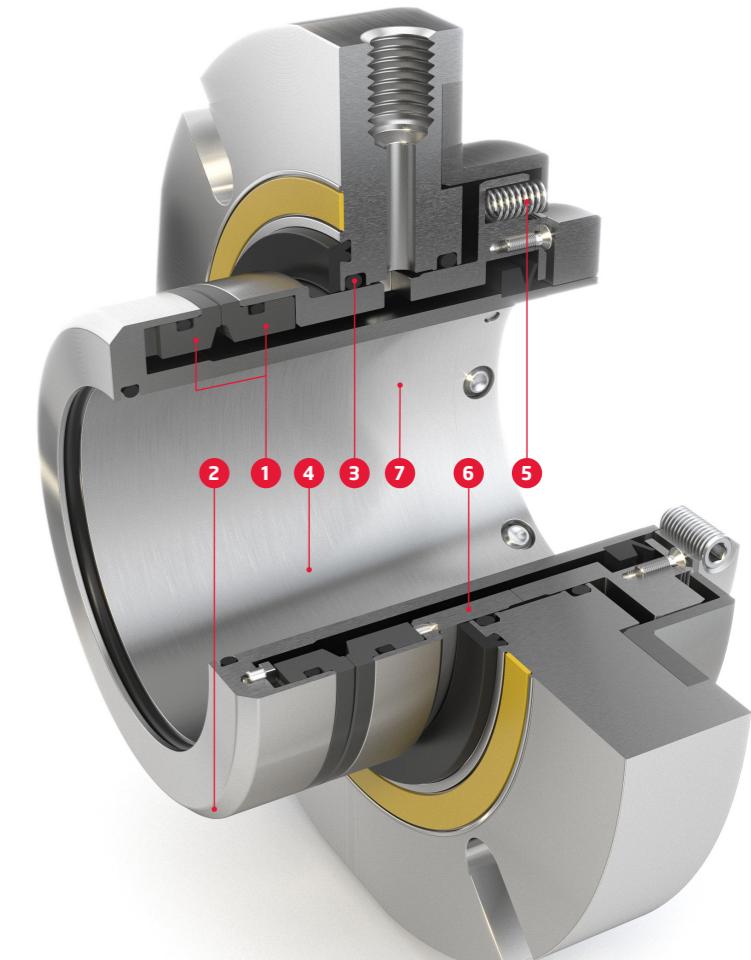
3 Protected dynamic o-ring
Wiper protects the o-ring and groove from getting clogged and worn by abrasive slurry

4 Robust design for slurry applications
Various metallurgy and coatings are available to help reduce wear and corrosion

5 Non-clogging spring package
Springs are isolated from the slurry to prevent clogging

6 Excellent axial movement capabilities
Design makes it possible for the seal to handle large axial movement to simplify impeller adjustments

7 Zero - Flush Mechanical Seal
Seal faces are cooled and lubricated by the slurry. No additional water flush is necessary which provides substantial water savings



Operation limits:
Temperature up to 80 °C without quench
Speed up to 18 m/s - Pressure up to 25 bar
Slurry with up to 60 % solid contents by weight

