

Hallite Seals

Applied Experience

For over 30 years Hallite Seals have designed, developed and manufactured hydraulic seals and bearings for the mining industry creating a wealth of knowledge and experience which is unsurpassed worldwide within the field of specialised mining applications.

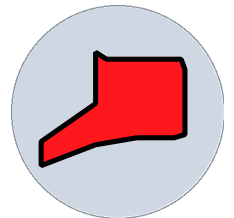
Working in partnership and liaising with manufacturers and operators worldwide, Hallite fully understands the demanding applications and the severe working conditions in which mining equipment operates. This cooperation enables Hallite to provide the safe and reliable products demanded by today's mining industry.



Test & Development

Many different operating conditions are found in cylinders used on mining equipment, requiring careful selection of seal materials to match each application. Design engineers and material technologists carefully consider these conditions when designing new and innovative sealing systems. Careful attention is paid to seal profile design and material selection, and product properties are methodically studied to ensure that the required qualities are found in the finished component.

Seals are subjected to extensive in-house testing and field trials. Hallite's test facilities reproduce continuous operating conditions and record leakage, and dynamic and breakout friction as well as monitoring pressure, speed, temperature and other performance factors.



Test and development facilities include:

- HIGH PRESSURE CONVERGENCE MINING TEST RIG*
- FRICTION AND LEAKAGE TEST RIGS*
- HIGH PRESSURE PULSE TEST RIG
- FINITE ELEMENT ANALYSIS

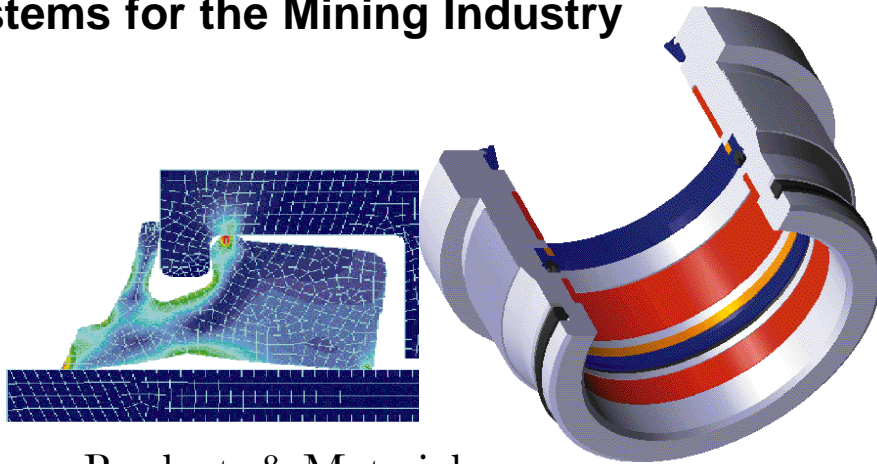
*Capable of using high water based fluids (HFA).



Hallite is approved by leading OEMs worldwide and has MPA approval in Germany.

All Hallite's businesses operate to the highest quality standards, and design and manufacturing systems are fully accredited to ISO 9001.

Sealing Systems for the Mining Industry



Products & Materials

The current range of sealing materials includes nitrile rubbers, rubber and fabric compounds, thermoplastic elastomers and unique bearing compounds, all proven in mining applications worldwide.

In addition to its extensive range of standard catalogue products, Hallite provides a complete service for the design, development and manufacture of seals for OEM and existing equipment refurbishment applications.



Applications

- LONGWALL ROOF SUPPORTS
- TUNNELLING MACHINES
- CUTTING MACHINES
- ROOF BOLTING MACHINES
- EXCAVATORS
- SCOOP TRAMS
- SHEARERS
- SHUTTLE CARS
- DRILLING MACHINES

Hallite also supplies products for other ancillary plant and equipment.

Hallite seals has an enviable reputation within the world's fluid power industry and has a wealth of knowledge and experience which is unsurpassed within the field of mining applications.

