

Sealing Systems for the Mining Industry



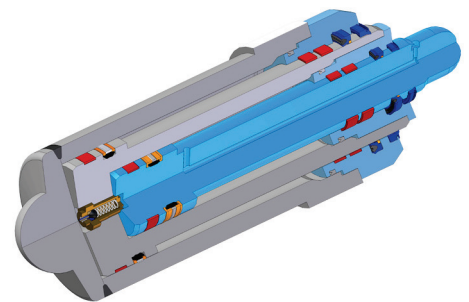


Applied Experience

For over 50 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 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 in today's mining industry.



38 Wiper



842 Wiper



652 Rod Seal



744 Double Acting Rod Seal



730 Piston Seal



506 Bearing



155 Static Seal



- Longwall roof supports
- Tunnelling machines
- Cutting machines
- Roof bolting machines
- Excavators
- Scoop trams
- Shearers
- Shuttle cars
- Drilling machines
- Continuous mining machines

“Seals are subjected to extensive in-house testing and field trials.”

Test and Development

Many different operating conditions are found in cylinders used on mining equipment, each requiring careful selection of seal materials to match each application.

Design engineers and material technologists consider these conditions when designing new and innovative sealing systems. Strict 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:

- **Friction and leakage test rigs**
- **High pressure pulse test rig**
- **Finite element analysis**
- **Hydraulic cylinder test rig**

Test and Development

The current range of sealing materials include 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 refurbishment applications.

For further details of Hallite's mining seals, contact your local Hallite sales office.





Hallite Seals

Hallite produces high performance hydraulic sealing solutions for the world's fluid power industry. The company enjoys an enviable reputation for high quality and reliability within the mobile hydraulics, mining, off-highway, construction, agriculture, mechanical handling and automation markets.

Hallite products, engineered in a wide variety of advanced materials, are chosen by leading manufacturers for their exceptional performance in the most demanding, safety-critical high specification applications.

Hallite operations are located in Australia, Brazil, Canada, China, France, Germany, India, Italy, the UK and the USA. All Hallite locations are committed to providing quality seals in the shortest possible time. Hallite combines carefully chosen and managed stocks in local markets, supported by a fast track moulding capability. All locations can now boast a CNC machining cell, branded Hallite Service, which can provide immediate delivery for non-standard and breakdown situations.

Additionally a worldwide network of service partners completes the global presence and ensures the full range of Hallite products is readily accessible.



UNITED KINGDOM

Hallite Seals International Ltd.
130 Oldfield Road,
Hampton
Middlesex, TW12 2HT
T: +44 (0)20 8941 2244
F: +44 (0)20 8783 1669
E: seals@hallite.com

CHINA (Suzhou)

Hallite Service (Suzhou) Co. Ltd.
Plant 1, 82 Jiangpu Road
Shengpu
Suzhou Industrial Park
Suzhou 215126
T: +86 (0)512 6295 1601
F: +86 (0)512 6295 1247
E: hallite.suzhou@hallite.com

AUSTRALIA

Hallite Seals Australia Pty. Ltd.
Unit 4, 1273 The Horsley Drive
Wetherill Park,
NSW 2164
T: +61 (0)29 620 7300
F: +61 (0)29 620 7400
E: seals@hallite.com.au

GERMANY

Dichtelemente Hallite GmbH
Billwerder Ring 17
21035 Hamburg
T: +49 (0)40 73 47 48-0
F: +49 (0)40 73 47 48 49
E: seals@hallite.de

BRAZIL

**Hallite do Brasil Tecnologia em
Vedações Ltda.**
Avenida 5, 1367 - Jd Claret
Rio Claro - SP,
13503-254
T: +55 (0)19 35231859
F: +55 (0)19 35324805
E: info@halliteseals.com.br

INDIA

**Hallite Sealing Solutions
India Pvt. Ltd.**
Special Plot #10, 3rd Main,
1st Stage,
Peenya Industrial Estate,
Bangalore - 560 068
T: +91 (0)80 2372 6000/1
F: +91 (0)80 2372 6002
E: seals@hallite.in

CANADA

Hallite Seals (Canada) Ltd.
5630 Kennedy Road,
Mississauga,
Ontario, L4Z 2A9
T: +1 (905) 361 2350
F: +1 (905) 361 2342
E: seals@hallite.ca

ITALY

Hallite Italia srl
Via Francia 21,
Loc. Guasticce
57017 Collesalvetti - Livorno
T: +39 (0) 58 642 8287 / 9734
F: +39 (0) 58 642 9845
E: seals@hallite.it

CHINA (Shanghai)

Hallite (Shanghai) Co. Ltd.
785 Xing Rong Road,
Jiading Industrial Park
Jiading District,
Shanghai 201804
T: +86 (0)21 3351 7272
F: +86 (0)21 3351 7085
E: hallite.shanghai@hallite.com

UNITED STATES

Hallite Seals Americas
50777 Varsity Court
Wixom,
Michigan 48393
T: +1 (248) 668 5200
F: +1 (248) 668 5210
E: seals@hallite.us