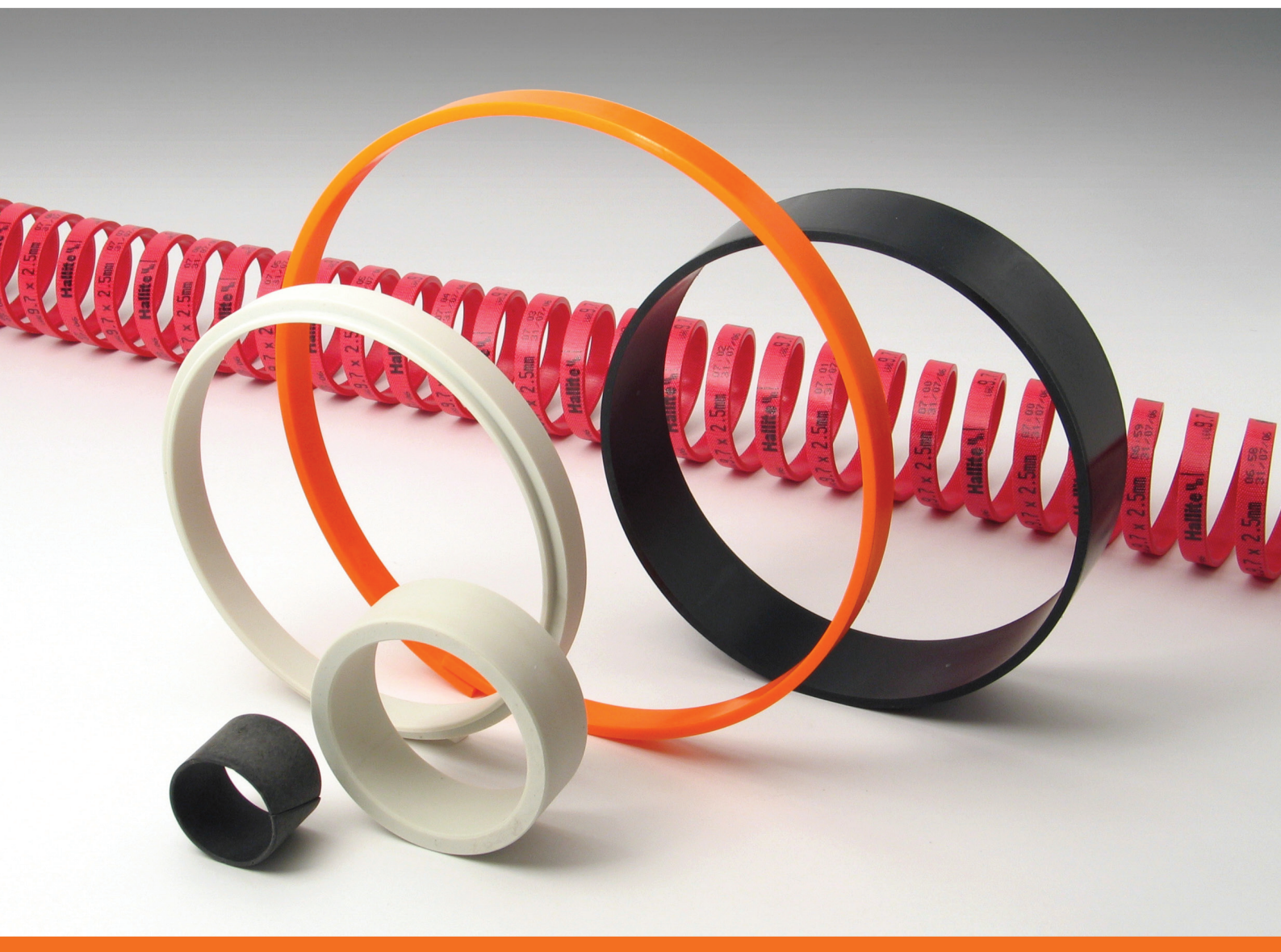


Bearings, Wear Rings & Bushings





High performance Hallite Bearing and Wear Ring products are offered in a wide range of materials, configurations, and styles, that meet the needs of the most demanding applications for reciprocating piston and rod bearings.



Type 63 Poly Acetal (POM)

- POM wear rings
- Cost effective wear ring for Hydraulic or pneumatic applications

Key Features

- Wear rings perform well in dry non-lubricated conditions
- Resistance to Hydrolysis
- Excellent load bearing capabilities

Key Advantages

- Prevents metal-to-metal contact
- Extends seal life
- Suitable for pneumatic applications, no glass content
- Ease of installation

Benefits

- High quality material, low cost protection for expensive cylinders
- Improved cylinder life

Equipment applications

- Off Highway
- Mobile hydraulics
- Material Handling
- Pneumatic cylinders for industrial and mobile applications

Key Technical Information

Compressive Strength: 13,000psi (900bar)
Temperature Range: -40°F to 250°F (-40°C to 122°C)



Type 87 Bearing Strip

A Special blend of PTFE and Bronze, rectangular strip material

Key Features

- Low Friction
- Infinite Length Range
- Ease of Installation
- Extremely Flexible

Benefits

- Broad range of applications
- Cut to size, and hence ease of field repair
- Lubricated material w/broad fluid compatibility
- Use in non lubricated applications
- Good for reciprocating, oscillating or rotary movement

Applications

- Higher temperature, low friction applications
- Rotary or oscillating

Key Technical Information

Compressive Strength: 2,900psi (200 bar) @ 73°F (23°C)
1,300psi (90 bar) @ 176°F (80°C)
Temperature Range: -58°F +390°F (-50°C +199°C)

“We work closely with our customers to create and supply solutions for their most demanding applications.”



Type 506

- Woven fabric reinforced polyester resin
- Hallite 506 is available in three forms, cut rings, spiral lengths and flat coils

Key Features

- High compressive strength material
- Internally lubricated
- Offers high bearing load capacity over a broad range of temperatures
- Manufactured to very tight tolerances
- Compatible with wide range of fluids including water based fluids and phosphate esters

Benefits

- Extensive size range, either pre cut or coil lengths
- Many sizes can be cut from one coil
- Improved cylinder life

Equipment applications

- Mining
- Mobile hydraulics
- Off Highway
- Forestry
- Pneumatic cylinders for industrial and mobile applications

Key Technical Information

Compressive Strength: 16,500psi
(2415 bar)
Temperature Range: -40°F +250°F
[-40°C +122°C]



Type 533 Nylon

- Glass filled Nylon Wear Ring
- Is the most cost effective option for modern hydraulic cylinder wear rings

Key Features

- High compressive strength material
- Very Durable and able to work under high cylinder pressures
- Offers high bearing load capacity over a broad range of temperatures
- Manufactured to close tolerances
- Easy to install
- Available in Metric, Inch sizes, multiple widths and thicknesses, as well as T-bearing and other configurations

Key Advantages

- Prevents metal-to-metal contact
- Extends seal life
- High abrasion resistance limits flow erosion problems
- Great replacement option for Phenolic wear rings

Benefits

- Extensive size range
- High quality material, low cost protection for expensive cylinders
- Improved cylinder life
- Economical

Equipment applications

- Off Highway/Construction Equipment
- Mobile hydraulics
- Material Handling
- Agricultural Machinery

Base Technical Information

Compressive Strength: 25,500psi
(1758bar)
Temperature Range: -40°F +275°F
[-40°C +135°C]



Type 540 Nylon Telescopic Bearing

- Preferred Bearings for Telescopic cylinder applications
- Proprietary Plastic Material Formulation

Key Features

- High compressive strength material
- Offers high bearing load capacity over a broad range of temperatures
- Manufactured to tight tolerances, can include ID steps, other contours, and extractor holes
- Dimensionally stable material, hydrolysis resistant
- No internal stresses that can sometimes distort geometries of other bearing materials

Benefits

- Extensive size, thickness, and configurations
- Much less costly than Bronze Bearings
- Best in class performance life in Telescopic cylinder applications
- Eliminates 'water swell' cylinder binding

Equipment applications

- Dump Body cylinders
- Tipping applications
- Industrial Telescopic Applications
- Man Lifts
- Off Highway Telescoping Cylinders

Key Technical Information

Compressive Strength: 28,000psi
(1930bar)
Temperature Range: -40°F +275°F
[-40°C +135°C]



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.



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