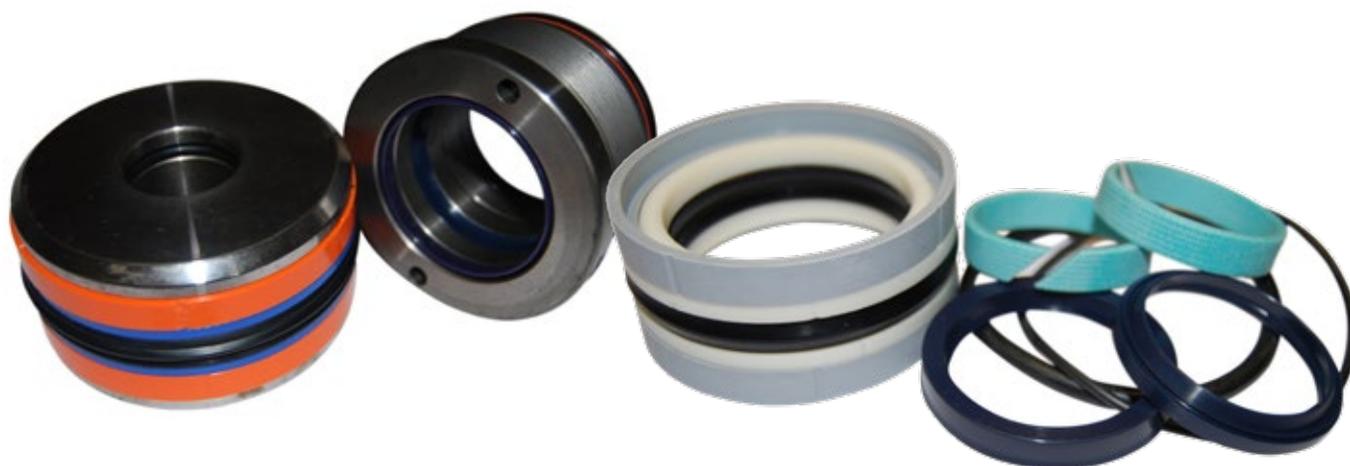


Hydraulic Seals and Replacement Seal Kits



We specialise in supplying hydraulic seals and replacement seal kits for a vast array of hydraulic equipment. Our partners are the world's leading manufacturers of hydraulic seals, thus keeping us at the cutting edge of hydraulic seal profile design and material development. Our product range is unrivalled in Ireland. We stock thousands of different metric and imperial sizes, so whether you want a one off seal kit for a cylinder repair or are manufacturing hundreds or thousands of cylinders, we have the expertise to satisfy your demands.

With trade counters strategically located close to the main arteries in Dublin and Cork we can give you instant replacement hydraulic seals or seal kits or alternatively send via our shipping partners on a next day service.

- Excavators
- Mobile Cranes
- Quarry Equipment
- Bulldozers
- Forestry Equipment
- Agricultural Equipment
- Access Equipment

We also offer an in-house manufacturing service for Hydraulic Seals. Our CNC lathe produces profiles in sizes from 5mm OD to 600mm OD. There is a wide range of materials available including PTFE, PU, NBR, EPDM, FPM, POM among others. We are happy to work with customers developing prototypes or producing non-standard sizes.

Hydraulic Seals and Replacement Seal Kits



HYDRAULIC ROD WIPERS

Hydraulic Rod Wiper Seals or scraper Seals are installed in the gland of hydraulic cylinders to prevent dirt, fluid or foreign particles entering the cylinder as the rod retracts back into the system. Contamination can cause significant damage to the seals and bearings, rod and cylinder wall. Wipers can have another function that includes a hard scraping lip to get rid of other stronger contaminates, and also a secondary lip which can capture oil that may have escaped the main seal.

Abbey Seals stock a large range of metric and imperial rod wiper seal sizes in flexible profiles for snap in grooves and rigid profiles for open grooves in materials such as polyurethane, polyester, PTFE, NBR, FKM & nylons.



WEAR RINGS| BEARING RING

The Bearing Ring also known as a wear ring, guides the piston and rod of a hydraulic cylinder and prevents metal on metal contact which will damage these surfaces and subsequently lead to seal and component damage, and fluid leakage. A polyactel bearing ring can be applied for both fluid and pneumatic cylinders. PTFE bearings are perfect for high temperatures. Glass filled nylon bearing rings give high bearing load capacity covering a wide range of temperatures. A high strength nylon bearing is available for telescopic applications. Woven fabric polyester resin bearing rings are compatible with many fluid powered equipment and is predominantly used in mining.



Abbey Seals can supply a wide variety and range of high quality Bearing or Wear Rings and Strips.

Hydraulic Seals and Replacement Seal Kits



HYDRAULIC PISTON SEALS | PISTON RINGS

Hydraulic Piston Seals (Piston Ring) are there to ensure that fluids do not leak at the cylinder head as the pressure pushes the piston down. The hydraulic piston seals come in the form of single acting or double acting piston seals to provide the optimum seal for the cylinder being used. A hydraulic piston seal or piston ring is typically made from PTFE or polyurethane, a rubber/fabric composite or polyester elastomer making it highly resistant to wear and can tolerate extremes in temperature.

Abbey Seals supply a wide range of hydraulic piston seals of high quality as standard.



HYDRAULIC ROD SEALS

Hydraulic Rod Seals also known as Gland seals, Headbush or Neck seals and are the most important part of any fluid power equipment which prevents leakage of fluid from within the cylinder to the outside. Excessive leakage through the rod seal can reduce equipment performance. They seal the pressures during the stroke phase and position holding operation of the cylinder. There are a wide range of single-acting and double-acting systems available. The hydraulic rod seals are available in rubber, polyurethane, PTFE, fabric reinforced elastomers and plastic. Abbey Seals can offer a wide selection of metric and imperial sizes in a vast array of profiles and materials. From fabric reinforced vee packs, high performance polyurethane U Seals to PTFE slim groove rod seals.



HYDRAULIC SEAL KITS

Hydraulic Seal Kits can be supplied by Abbey Seals for general purpose cylinder sealing applications. Hydraulic seals for cylinders are vital for smooth operation of a hydraulic cylinder Or Hydraulic Ram. They can be both standard and non-standard sealing kits so the hydraulic rams are outputting efficiently.

Enquire today with Abbey Seals to see which Hydraulic Seal Kit best suits your specific requirements.