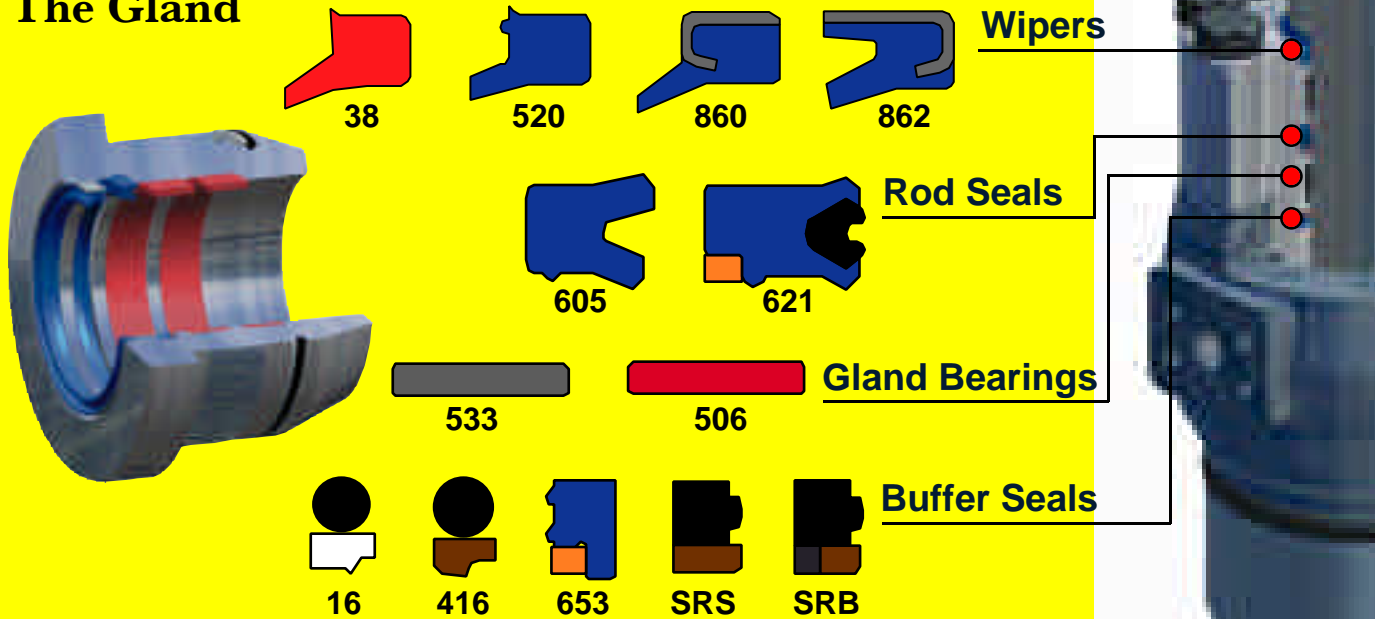


# Sealing Systems for Off-highway Equipment

## The Gland

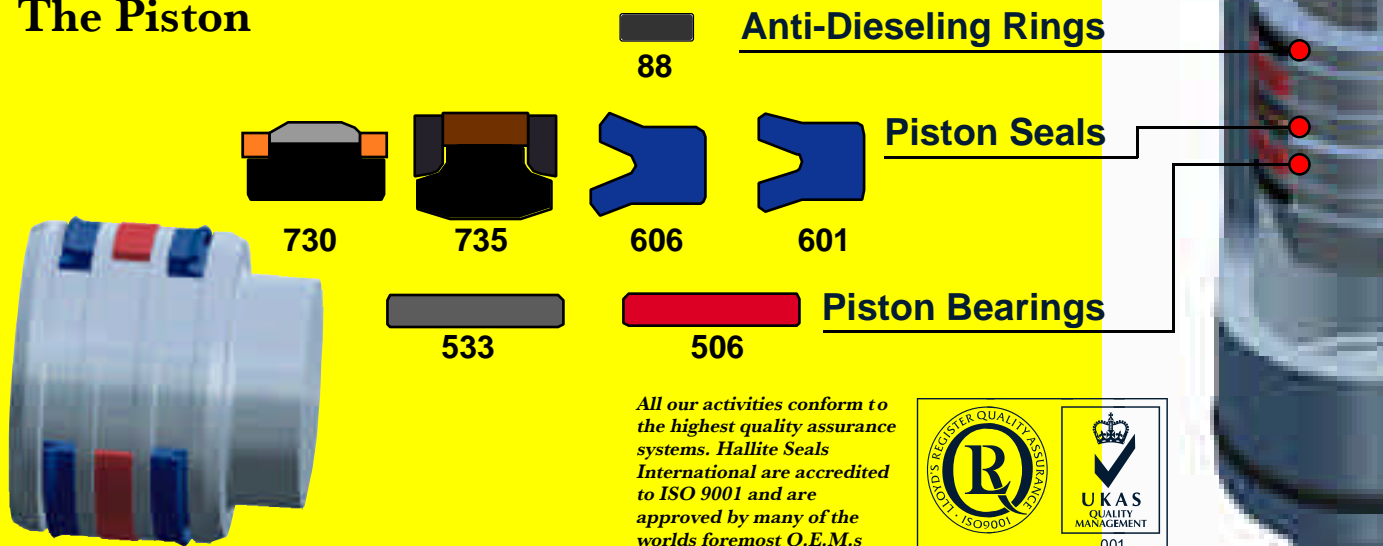


## Off-highway

Within the off-highway sector, there is an ever increasing demand on equipment manufacturers for their products to perform a variety of different functions: excavating, digging, loading, shovelling, lifting, stacking; the list is endless. Performing in severe working environments where contamination from internal and external sources is often present, off-highway equipment is highly stressed and is subjected to heavy side loads and regular pressure peaks. Working in a wide range of temperatures, the equipment is required to be highly productive and easily maintained and repaired.

Hallite Seals offer the range and scope of products necessary for this demanding global industry.

## The Piston



All our activities conform to the highest quality assurance systems. Hallite Seals International are accredited to ISO 9001 and are approved by many of the worlds foremost O.E.M.s

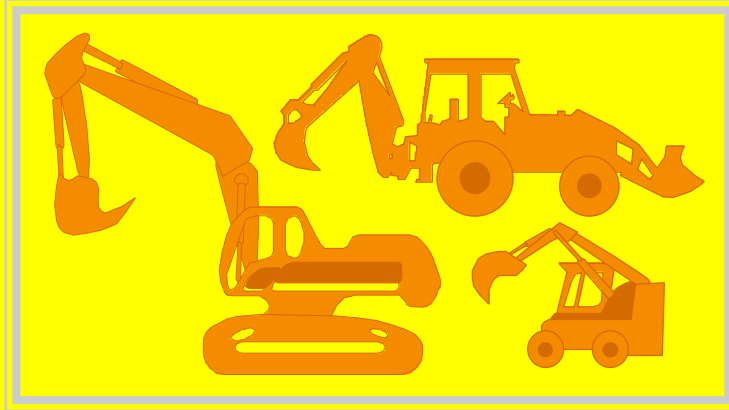


Sealing arrangements shown illustrate popular global designs. Always seek advice about your specific application.

## Hallite Seals are available from:

**MARYLAND METRICS** Mail: P.O.Box 261 Owings Mills, MD 21117-0261 URL: <http://mdmetric.com>  
 Phones: (800) 638-1830 or (410) 358-3130 Faxes: (800) USA-9-FAX = [800-872-9329] or (410) 358-3142  
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# HALLITE sealing systems for off-highway use



## HALLITE seal numerical definitions:

- 16/416** Filled PTFE rod buffer seals; low friction and simple groove design, used to protect the primary rod seal from pressure spikes.
- 38** A tough, abrasion resistant rod wiper incorporating pressure relief ribs, an outside lip for effective sealing of housing and a precision trimmed wiping lip.
- 88** A filled PTFE ring to protect piston seals and bearings from dieseling and ingression of contaminants.
- 506** A resilient all round bearing ring manufactured using woven fabric reinforced polyester, capable of withstanding extreme side loads.
- 520** A polyurethane rod wiper incorporating pressure relief ribs, an outside lip for effective sealing of housing and precision trimmed wiping lip.
- 533** A tough glass filled nylon bearing ring for piston and rod applications.
- 601** A general purpose seal for rod and piston, manufactured in Hythane 181, hard wearing and flexible for easy installation. Can also be used with back ups for higher pressures.
- 605** A superlative dry rod seal with twin lip design, manufactured in Hythane 181, easy to install and designed for demanding applications.
- 606** An asymmetric piston seal manufactured in Hythane 181. A very flexible, hard wearing seal used in back to back sealing arrangement for double acting applications.
- 621** The top of the range twin lip rod seal is manufactured in Hythane 181; with unique profiled rubber energiser and acetal anti-extrusion ring to withstand high pressures and shock loads, the seal provides complete lip actuation under all pressure conditions.
- 653** A heavy duty rod buffer seal manufactured in Hythane 181. Unique patented design protects the primary rod seal from pressure spikes and is designed to prevent inter-seal pressure build up. The seal is interchangeable with popular PTFE designs.
- 730** A high pressure, heavy duty, double acting piston seal with a tough wear resistant TPE face, two thermoplastic anti-extrusion rings and rubber energiser. A proven and reliable design commonly used in heavy duty equipment.
- 735** A high pressure, heavy duty, low friction double acting piston seal with a filled PTFE cap ring, two thermoplastic anti-extrusion rings and rubber energiser. A compact and reliable design commonly used in off-highway and other mobile equipment.
- 860/862** Press fit metal cased rod wipers incorporating a precision trimmed polyurethane wiping lip and a metal case treated with a rust inhibitor for longer life.
- SRB/SRS** A low friction PTFE buffer seal, used to protect the primary rod seal from pressure spikes. SRB incorporates thermoplastic back up ring for severe applications.

## Hallite Seals are available from: