

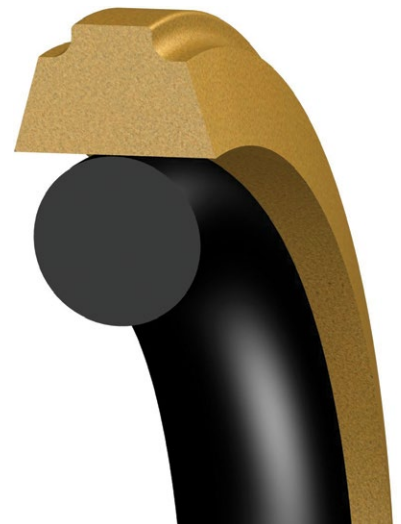
The logo for Hallite, featuring the brand name in a white sans-serif font with a stylized 'H' and 'I' symbol to the right.

# P94

## PISTON SEAL

DOUBLE-ACTING

PTFE FACE WITH PRE-LOADED O-RING



# PISTON SEAL | DOUBLE-ACTING | PTFE FACE WITH PRE-LOADED O-RING

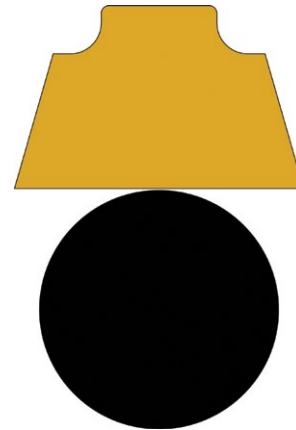
## P94

The Hallite P94 is a compact high-performance double-acting piston seal with a proven design pedigree.

The product is a class-leading sealing solution for use in the most demanding applications. The standard P94 seal face employs a trapezoidal cross-section allowing optimal compression and load transfer to the seal face via the rubber energizer whilst being highly responsive to changes in pressure and/or direction of travel.

Uses include demanding, performance-critical applications in construction equipment, machine tools, material handling, agricultural equipment, injection moulding machines and a wide range of other industries.

This seal face is available in a range of materials from the high-performing Armorlene® series including HLX, a proprietary Hallite PTFE formulation which offers outstanding wear and extrusion-resistance properties and suitability in a wide range of operating conditions and fluid media.



### FEATURES

- Compact piston seal design
- Superior static and dynamic sealing performance
- No stick-slip, low breakout and low running friction
- Seal ring component can be machined to any size up to 1300mm
- Design enables larger extrusion gap without loss of seal performance

### TECHNICAL DETAILS

OPERATING CONDITIONS	METRIC	INCH
MAXIMUM SPEED	Up to 15m/sec	Up to 50ft/sec
TEMPERATURE RANGE*	-45 to 200°C	-49 to 392°F
MAXIMUM DYNAMIC PRESSURE**	600 bar	8700 psi

\*Dependent upon energiser used (NBR, FKM, etc.).

\*\*For pressures above 400 bar (5800 psi), contact Hallite Engineering.

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