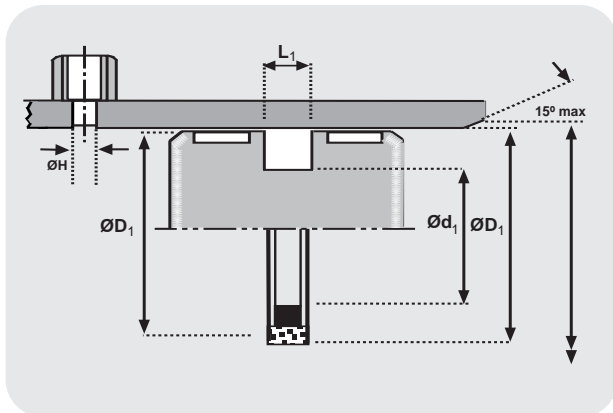


TECHNICAL DETAILS		INCH	
OPERATING CONDITIONS			
MAXIMUM SPEED	2.0 m/sec	6.0 ft/sec	
TEMPERATURE RANGE	⊖ ⊕	-40°F + 230°F	
MAXIMUM PRESSURE	500 bar	7,300 p.s.i.	
MAXIMUM EXTRUSION GAP			
PRESSURE bar	500		
MAXIMUM GAP $\varnothing D_1 \leq 5.000$ in	0.032		
MAXIMUM GAP $\varnothing D_1 > 5.000$ in	0.040		
PRESSURE psi	7,500		
SURFACE ROUGHNESS			
DYNAMIC SEALING FACE $\varnothing D_1$	$0.1 \div 0.4$	4 max	$4 \div 16$ $5 \div 18$
STATIC SEALING FACE $\varnothing d_1$	1.6 max	10 max	63 max 70 max
STATIC HOUSING FACES L_1	3.2 max	16 max	125 max 140 max
CHAMFERS & RADII			
MIN CHAMFER C in	0.250		
MAX FILLET RAD r_1 in	0.016		
MAX FILLET RAD r_2 in	0.005		
PORT DIAMETER			
MAX $\varnothing H$ in	IF THE SEAL IS TO PASS OVER THE PORT $L_1 \times 1.167$		
TOLERANCES			
	$\varnothing D_1$	$\varnothing d_1$	L_1
in	+0.005 -0	+0 -0.005	+0.005 -0



MATERIAL OPTIONS

Please contact your local Hallite sales office for additional information.

DESIGN

The Hallite 714 is a double acting seal capable of passing over ports. The reinforced, heat stabilised, thermoplastic sealing face, expands and contracts to fill the gap between the piston and the cylinder wall and has a step-cut joint for ease of installation.

It will tolerate a considerable extrusion gap, thus reducing the possibility of piston-to-bore contact, and it offers excellent static load holding capability.

The square section nitrile rubber energiser responds quickly to pressure changes, providing excellent sealing characteristics under all pressure conditions.

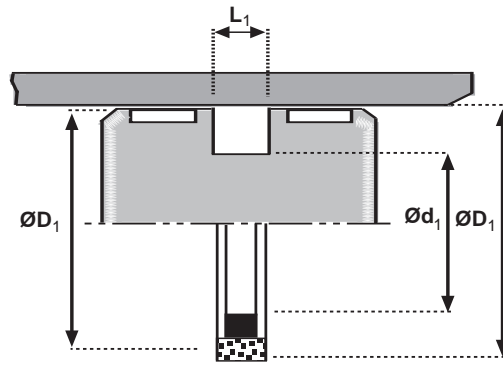
FEATURES

- FACE EXPANDS FOR EASY INSTALLATION
- PASSES OVER PORTS
- EXCELLENT WEAR & ABRASION RESISTANCE
- STATIC LOAD HOLDING CAPABILITY
- REPLACES MULTIPLE PISTON RINGS
- INCREASES CYLINDER EFFECTIVENESS
- IDEAL FOR RE-PHASING CYLINDERS
- INGESTS CONTAMINATION
- COMPACT HOUSING

Pistons

714

ib



$\text{Ø}D_1$ +0.005 0	$\text{Ø}d_1$ +0 0.005	L_1 +0.005 0	PART No.
2.000	1.462	0.282	7260510
2.500	1.962	0.282	7261010
2.750	2.212	0.282	7261510
3.000	2.442	0.282	7262010
3.250	2.692	0.282	7262510
3.500	2.942	0.282	7263010
3.750	3.192	0.282	7263510
4.000	3.442	0.282	7264010

$\text{Ø}D_1$ +0.005 0	$\text{Ø}d_1$ +0 0.005	L_1 +0.005 0	PART No.
4.250	3.692	0.282	7264510
4.500	3.942	0.282	7265010
4.750	4.192	0.282	7265510
5.000	4.442	0.282	7266010
5.250	4.490	0.377	7266510
5.500	4.740	0.377	7267010
6.000	5.240	0.377	7267510