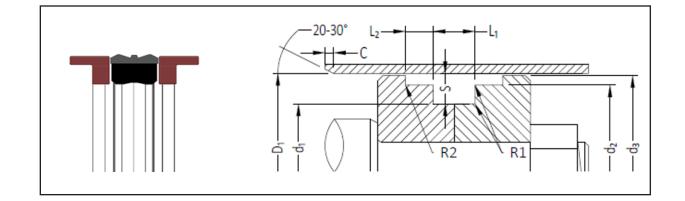
PISTON SEALS **HDX**





TECHNICAL DATA

Temperature	-35°C / +105°C		
Pressure	10,000 PSI / 700 BAR		
Speed	2.0 m/sec		
Media	Mineral hydraulic oils		

	Radius & Chamfers			
3	R1 (mm)	R2 (mm)	C (mm)	
6.00mm or 2.50"	0.20	0.20	4.00	
10.00mm or 0.375"	0.20	0.20	5.00	
12.50mm or 0.500"	0.40	0.40	6.50	

TOLERANCES

øD1	H11
ød1	js11
ød2	h9
ød3	js11
L1	+0.25 - 0.00mm
L2	+0.00 - 0.15mm

SURFACE ROUGHNESS

Roughness	Dynamic surface area	Static surface area	Groove flanks
Ra	0.1 - 0.5 μm	≤1.6 µm	≤ 3.2 μm
Rz	0.63 - 2.5 μm	≤6.3 µm	≤10.0 µm
Rmax	1.0 - 4.0 μm	≤10.0 µm	≤16.0 µm

MATERIALS

Profiled seal

Face: XSL PU 60 Shore D – Dark Grey Energiser: NBR 80 Shore A

Guide Rings : Bearite 85 Shore D – Red

DESCRIPTION

The HDX has been designed to upgrade aging Rubber/Fabric piston seals, with a modern, wear resistant self-lubricated urethane face.
The larger Guide Rings have been developed to provide more support, in order to withstand greater side loads and extrusion in extreme conditions at higher speeds.

ADVANTAGES

Excellent Abrasion Resistance
High speed compared to traditional
rubber fabric designs
High Pressure Capabilities
Excellent Sealing Life

APPLICATIONS

Agriculture Mobile Machinery Lifting Systems Presses Hydraulic Cylinders