



**Design**

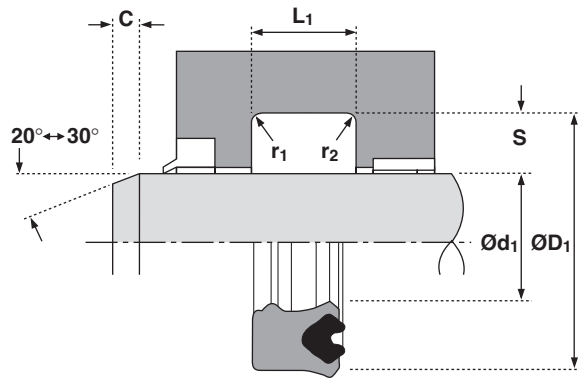
The Hallite 622 is a top of the range medium pressure rod seal. The design of the seal incorporates a unique profiled NBR energiser to ensure complete lip actuation under all pressure conditions and to cushion the seal against shock loadings.

The shell is moulded in Hallite's high performance polyurethane Hythane® 181, ensuring flexibility for installation and performance at low temperatures.

The Hallite 622 also benefits from Hallite's twin lip profile for dry rod sealing.

**Features**

- Twin lip design offering improved sealing primary lip protection increased seal stability
- Easy installation



**Technical details**

**Operating conditions**

Maximum Speed	1.0 m/sec
Temperature Range	-45°C +110°C
Maximum Pressure	400 bar*

**Inch**

3.0 ft/sec
-50°F +230°F
6000 p.s.i.

**Maximum extrusion gap**

Pressure bar	160	250	400
Maximum Gap mm	0.6	0.5	0.4
Pressure p.s.i.	2400	3750	6000

Figures show the maximum permissible gap all on one side using minimum rod Ø and maximum clearance Ø.

**Surface roughness**

Dynamic Sealing Face Ød <sub>1</sub>	µmRa	µmRt	µinCLA	µinRMS
Static Sealing Face ØD <sub>1</sub>	0.1 <> 0.4	4 max	4 <> 16	5 <> 18
Static Housing Faces L <sub>1</sub>	1.6 max	10 max	63 max	70 max
	3.2 max	16 max	125 max	140 max

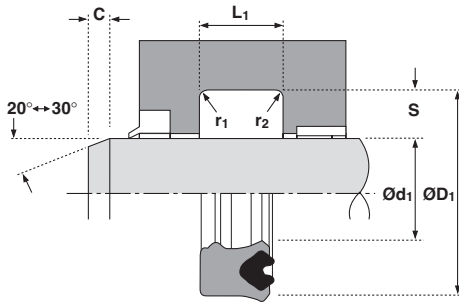
**Chamfers & Radii**

Groove Section ≤ S mm	4.0	5.0	7.5	10.0	12.5	15.0
Min Chamfer C mm	3.0	3.5	5.0	6.5	7.0	8.0
Max Fillet Rad r <sub>1</sub> mm	0.2	0.4	0.8	0.8	1.2	1.6
Max Fillet Rad r <sub>2</sub> mm	0.4	0.8	1.2	1.2	1.6	2.4
Groove Section ≤ S in	0.125	0.187	0.250	0.312	0.375	0.500
Min Chamfer C in	0.093	0.093	0.125	0.156	0.187	0.217
Max Fillet Rad r <sub>1</sub> in	0.008	0.008	0.016	0.032	0.032	0.032
Max Fillet Rad r <sub>2</sub> in	0.016	0.016	0.032	0.047	0.047	0.047

**Tolerances**

Ød <sub>1</sub>	ØD <sub>1</sub>	L <sub>1</sub> mm	L <sub>1</sub> in
f9	Js11	+0.25 -0	+0.010 -0





Ød <sub>1</sub>	TOL f <sub>9</sub>	ØD <sub>1</sub>	TOL JS11	SL	L <sub>1</sub> +0.010-0	PART No.
1.500	-0.0010 -0.0034	1.875	+0.003 -0.003	0.312	0.344	8904010
1.500	-0.0010 -0.0034	2.000	+0.004 -0.004	0.375	0.413	8904110
1.750	-0.0010 -0.0034	2.125	+0.004 -0.004	0.375	0.413	8904210
1.750	-0.0010 -0.0034	2.250	+0.004 -0.004	0.375	0.413	8904310
2.000	-0.0012 -0.0041	2.500	+0.004 -0.004	0.375	0.413	8904410
2.250	-0.0012 -0.0041	2.750	+0.004 -0.004	0.375	0.413	8906310
2.500	-0.0012 -0.0041	3.000	+0.004 -0.004	0.375	0.413	8904510
2.750	-0.0012 -0.0041	3.250	+0.005 -0.005	0.375	0.413	8904910
3.000	-0.0012 -0.0041	3.500	+0.005 -0.005	0.375	0.413	8906410
3.500	-0.0014 -0.0048	4.000	+0.005 -0.005	0.375	0.413	8905010
4.000	-0.0014 -0.0048	4.500	+0.005 -0.005	0.375	0.413	8906510
4.500	-0.0014 -0.0048	5.000	+0.005 -0.005	0.375	0.413	8906610

**Seal & Design  
Able Division**

5533 Steeles Avenue West Unit 11  
Toronto, Ontario M9L 1S7  
Ph: (416) 741-0750  
Gasket@AbleSealAndDesign.com

**Seal & Design  
Corporate Headquarters**

4015 Casilio Parkway  
Clarence, NY 14031  
Ph: (716) 759-2222  
Info@SealAndDesign.com  
www.SealAndDesign.com

**Seal & Design  
Higbee Division**

6741 Thompson Rd N  
Syracuse, NY 13221  
Ph: (315) 432-8021  
Sales@Higbee-Inc.com