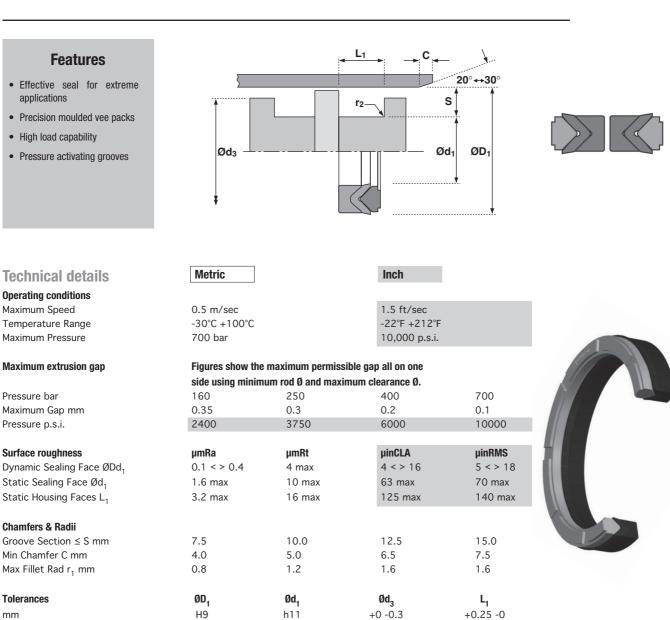
## Hallite

## Design

The Hallite 51 is a heavy duty piston seal which, when installed in pairs, provides an excellent double acting piston design. It is particularly suitable for difficult operating conditions such as pressure surging, vibration or some misalignment.

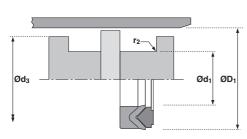
The seal is an assembly of three parts, a male adaptor, a V ring and a female adaptor. Both the V ring and the female adaptor are made from rubberised fabric which has durability and strength, it also retains lubricant at the sliding surfaces so friction and wear are kept to a minimum. The V ring being the primary seal is more flexible than the adaptor which supports it and prevents extrusion damage. At higher pressures the adaptor deforms and becomes a secondary seal.

The polyacetal male adaptor has grooves across the face to ensure pressure is evenly applied to the V ring.



## Hallite





ØD <sub>1</sub>	TOL H9	Ød <sub>1</sub>	TOL h11	Ød <sub>3</sub> +0 -0.3	L <sub>1</sub> +0.25 -0	PART No.	ØD <sub>1</sub>	TOL H9	Ød <sub>1</sub>	TOL h11	Ød <sub>3</sub> +0 -0.3	L <sub>1</sub> +0.25 -0	PART No.
30	+0.05	20	+0.00	29.0	9.30	4208310	125	+0.10	100	+0.00	123.5	25.80	4207810
	+0.00		-0.13					+0.00		-0.22			
40	+0.06	25	+0.00	39.0	11.50	4208010	140	+0.10	115	+0.00	138.5	25.80	4208410
	+0.00		-0.13					+0.00		-0.22			
50	+0.06	35	+0.00	49.0	11.50	4207610	150	+0.10	120	+0.00	148.0	29.00	4208510
	+0.00		-0.16					+0.00		-0.22			
55	+0.07	40	+0.00	54.0	11.50	4207110	160	+0.10	130	+0.00	158.0	29.00	4208710
	+0.00		-0.16					+0.00		-0.25			
60	+0.07	45	+0.00	59.0	11.50	4207210	180	+0.10	150	+0.00	178.0	31.50	4208610
	+0.00		-0.16					+0.00		-0.25			
63	+0.07	48	+0.00	62.0	13.00	4207410	200	+0.12	170	+0.00	198.0	33.50	4209010
	+0.00		-0.16					+0.00		-0.25			
70	+0.07	50	+0.00	68.5	15.20	4208210	225	+0.12	195	+0.00	223.0	33.50	6582110
	+0.00		-0.16					+0.00		-0.29			
80	+0.07	60	+0.00	78.5	15.20	4208110	250	+0.12	220	+0.00	248.0	33.50	6582310
	+0.00		-0.19					+0.00		-0.29			
90	+0.09	70	+0.00	88.5	21.20	4207710	275	+0.13	245	+0.00	273.0	33.50	6582410
	+0.00		-0.19					+0.00		-0.29			
100	+0.09	80	+0.00	98.5	21.20	4207510	300	+0.13	270	+0.00	298.0	33.50	6582510
	+0.00		-0.19					+0.00		-0.32			
110	+0.09	90	+0.00	108.5	21.20	4207910	320	+0.14	290	+0.00	318.0	33.50	6582610
	+0.00		-0.22					+0.00		-0.36			