

## Design

The Hallite 657 has been designed especially to fit SAE J518 flanges.

High pressure and pumping are common problems which prevent reliable sealing in applications where 0 rings are fitted. Hallite's 657 overcomes these.

Manufactured as standard in Hallite's high quality Hythane® 181, the material provides excellent extrusion resistance and is able to perform at both low and high temperatures. The seal's profile is designed to ensure that pumping is prevented and to provide reliable sealing of the flange.

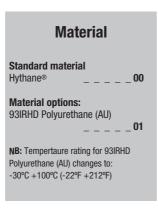
In addition to the high specification material, the Hallite 657 is also manufactured in an industrial standard polyurethane.

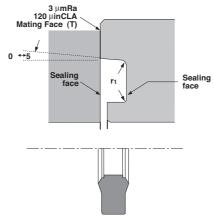
Please ensure that the correct part number is specified for the material option that is required. See left for details.

NB: Also listed, two non-SAE seal sizes for metric flanges.

## **Features**

- · High specification material
- Industrial grade option
- SAE flange sizes







## **Technical details**

## **Operating conditions**

Maximum Speed Temperature Range Maximum Pressure

#### Surface roughness

Sealing Faces Mating Face

## Radii

 $Max Fillet Rad r_1 mm$ Max Fillet Rad r<sub>1</sub> in

#### **Tolerances**

mm in

## Metric

Static -45°C +110°C 600 bar

μmRa	μmRt			
0.8	6.3			
3	20 ÷ 30			

0.80 0.03

ØD <sub>1</sub>	S	L <sub>1</sub>	$L_2$		
±0.100	±0.25	±0.050	+0 -0.25		
+0.005 -0	±0.015	+0.005 -0	+0 -0.010		

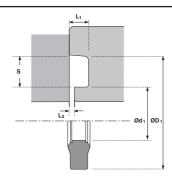
## Inch

Static -50°F +230°F 8500 p.s.i.

μinCLA	μinRMS
32	35
120	120







## metric

ØD <sub>1</sub>	TOL	Ød <sub>1</sub>	S	TOL	L <sub>1</sub>	TOL	L <sub>2</sub>	TOL	PART No.
33.5	+0.100	26.3	3.6	+0.25	2.200	+0.050	0.25	+0.000	44328
	-0.100			-0.25		-0.050		-0.250	
45.0	+0.100	36.2	4.4	+0.25	3.300	+0.050	0.25	+0.000	44912
	-0.100			-0.25		-0.050		-0.250	

# inch – SAE J518

NOMINAL (SAE J518)	ØD1	TOL	Ød1	S	TOL	L1	TOL	L2	TOL	PART No.
1/2	1.000	+0.005 -0.000	0.670	0.165	+0.010 -0.010	0.110	+0.005 -0.000	0.010	+0.000 -0.010	44909
3/4	1.250	+0.005 -0.000	0.920	0.165	+0.010 -0.010	0.110	+0.005 -0.000	0.010	+0.000 -0.010	44910
1	1.560	+0.005 -0.000	1.230	0.165	+0.010 -0.010	0.110	+0.005 -0.000	0.010	+0.000 -0.010	44911
11⁄4	1.750	+0.005 -0.000	1.420	0.165	+0.010 -0.010	0.110	+0.005 -0.000	0.010	+0.000 -0.010	44220
1½	2.125	+0.010 -0.000	1.785	0.165	+0.010 -0.010	0.110	+0.005 -0.000	0.010	+0.000 -0.010	44221
2	2.500	+0.010 -0.000	2.160	0.165	+0.010 -0.010	0.110	+0.005 -0.000	0.010	+0.000 -0.010	44222