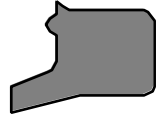


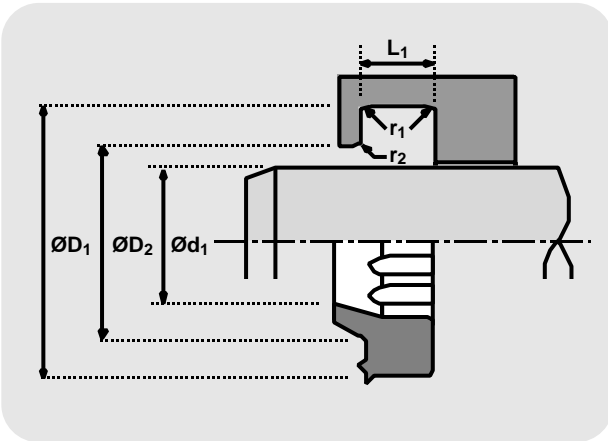
Wipers

# Hallite



# 520

TECHNICAL DETAILS		METRIC	INCH	
<b>OPERATING CONDITIONS</b>				
MAXIMUM SPEED	4.0 m/sec	12.0 ft/sec		
TEMPERATURE RANGE	-40°C + 110°C	-40°F + 230°F		
<b>SURFACE ROUGHNESS</b>				
DYNAMIC SEALING FACE $\varnothing d_1$	$\mu\text{mRa}$ 0.1 ↔ 0.4	$\mu\text{mRt}$ 4 max	$\mu\text{inCLA}$ 4 ↔ 16	$\mu\text{inRMS}$ 5 ↔ 18
STATIC SEALING FACE $\varnothing D_1$ $\varnothing D_2$	1.6 max	10 max	63 max	70 max
STATIC HOUSING FACES $L_1$	3.2 max	16 max	125 max	140 max
<b>RADII</b>				
MAX FILLET RAD $r_1$ in	0.016			
MAX FILLET RAD $r_2$ in	0.016			
<b>TOLERANCES</b>				
	$\varnothing d_1$	$\varnothing D_1$	$\varnothing D_2$	$L_1$
in	f9	±0.003	±0.005	+0.004 -0



## DESIGN

The Hallite 520 snap-in rod wiper has been designed to fit "Universal" style housings. The proportions of the wiping lip ensure that contact is maintained with the surface of the rod to remove heavily deposited mud, ice, etc. The outside diameter contacts the housing diameter and has a sealing lip to prevent moisture entering the groove. The moulded ribs on the internal diameter provides extra stability to the seal and help prevent pressure trapping.

The Hallite 520 is available in polyurethane or a polyester based compound and can be used with a split housing, however the majority can be installed in a blind housing with care.

## FEATURES

- PRECISION TRIMMED SEALING LIP
- 'CRUSH LIP' AND 'FACE BEAD' PROVIDE EFFECTIVE SEAL ON HOUSING
- LOW WEAR LONG LIFE
- COST EFFECTIVE
- PRESSURE RELIEF RIBS
- POLYESTER MATERIAL FOR HEAVY DUTY APPLICATIONS

## MATERIAL OPTION

The part numbers shown are for polyurethane. If you require this product in polyester, please add a 'P' after the part number when ordering.

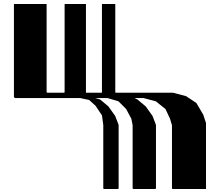
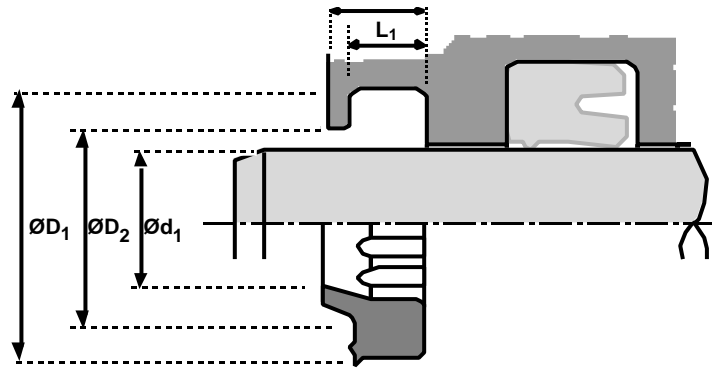
For example:

- 8880910 = polyurethane
- 8880910P = polyester.

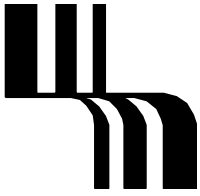
Wipers

# Hallite 520

inch



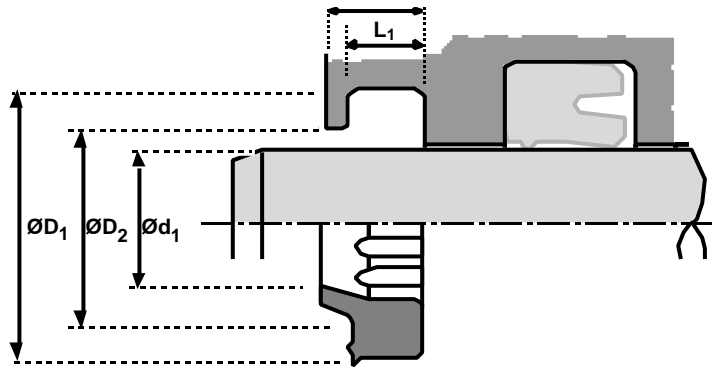
Ød <sub>1</sub>	TOL f <sub>9</sub>	ØD <sub>1</sub>	TOL	ØD <sub>2</sub>	TOL	L <sub>1</sub> +0.004 -0	L <sub>2</sub>	PART No.
0.500	-0.0005 -0.0019	0.750	+0.003 -0.003	0.665	+0.005 -0.005	0.125	0.187	8880210
0.625	-0.0006 -0.0023	0.875	+0.003 -0.003	0.790	+0.005 -0.005	0.125	0.187	8880310
0.750	-0.0008 -0.0028	1.125	+0.003 -0.003	1.000	+0.005 -0.005	0.187	0.281	8880410
0.875	-0.0008 -0.0028	1.250	+0.003 -0.003	1.125	+0.005 -0.005	0.187	0.281	8880510
1.000	-0.0008 -0.0028	1.375	+0.003 -0.003	1.250	+0.005 -0.005	0.187	0.281	8880610
1.125	-0.0008 -0.0028	1.500	+0.003 -0.003	1.375	+0.005 -0.005	0.187	0.281	8880710
1.187	-0.0008 -0.0028	1.562	+0.003 -0.003	1.437	+0.005 -0.005	0.187	0.281	8880810
1.250	-0.0010 -0.0034	1.625	+0.003 -0.003	1.500	+0.005 -0.005	0.187	0.281	8880910
1.375	-0.0010 -0.0034	1.750	+0.003 -0.003	1.625	+0.005 -0.005	0.187	0.281	8881110
1.500	-0.0010 -0.0034	1.875	+0.003 -0.003	1.750	+0.005 -0.005	0.187	0.281	8881210
1.625	-0.0010 -0.0034	2.000	+0.003 -0.003	1.875	+0.005 -0.005	0.187	0.281	8881310
1.750	-0.0010 -0.0034	2.125	+0.003 -0.003	2.000	+0.005 -0.005	0.187	0.281	8881410
2.000	-0.0012 -0.0041	2.500	+0.003 -0.003	2.332	+0.005 -0.005	0.250	0.375	8881510
2.250	-0.0012 -0.0041	2.750	+0.003 -0.003	2.582	+0.005 -0.005	0.250	0.375	8881610
2.375	-0.0012 -0.0041	2.875	+0.003 -0.003	2.707	+0.005 -0.005	0.250	0.375	8887210
2.500	-0.0012 -0.0041	3.000	+0.003 -0.003	2.832	+0.005 -0.005	0.250	0.375	8881710
2.750	-0.0012 -0.0041	3.250	+0.003 -0.003	3.082	+0.005 -0.005	0.250	0.375	8881810
3.000	-0.0012 -0.0041	3.500	+0.003 -0.003	3.332	+0.005 -0.005	0.250	0.375	8881910
3.250	-0.0014 -0.0048	3.750	+0.003 -0.003	3.582	+0.005 -0.005	0.250	0.375	8882010
3.500	-0.0014 -0.0048	4.000	+0.003 -0.003	3.832	+0.005 -0.005	0.250	0.375	8882110
3.750	-0.0014 -0.0048	4.250	+0.003 -0.003	4.082	+0.005 -0.005	0.250	0.375	8882210
3.875	-0.0014 -0.0048	4.375	+0.003 -0.003	4.207	+0.005 -0.005	0.250	0.375	8888810
4.000	-0.0014 -0.0048	4.500	+0.003 -0.003	4.332	+0.005 -0.005	0.250	0.375	8882310



Wipers

# Hallite 520

inch



Ød <sub>1</sub>	TOL f <sub>9</sub>	ØD <sub>1</sub>	TOL	ØD <sub>2</sub>	TOL	L <sub>1</sub> +0.004 -0	L <sub>2</sub>	PART No.
4.250	-0.0014 -0.0048	4.750	+0.003 -0.003	4.582	+0.005 -0.005	0.250	0.375	8882410
4.500	-0.0014 -0.0048	5.250	+0.003 -0.003	4.998	+0.005 -0.005	0.375	0.562	8882510
4.750	-0.0014 -0.0048	5.500	+0.003 -0.003	5.248	+0.005 -0.005	0.375	0.562	8887310
5.000	-0.0017 -0.0056	5.500	+0.003 -0.003	5.332	+0.005 -0.005	0.250	0.375	8887910
5.000	-0.0017 -0.0056	5.750	+0.003 -0.003	5.498	+0.005 -0.005	0.375	0.562	8882610
5.250	-0.0017 -0.0056	6.000	+0.003 -0.003	5.748	+0.005 -0.005	0.375	0.562	8882710
5.500	-0.0017 -0.0056	6.250	+0.003 -0.003	5.998	+0.005 -0.005	0.375	0.562	8882810
6.000	-0.0017 -0.0056	6.500	+0.003 -0.003	6.332	+0.005 -0.005	0.250	0.375	8888010
6.000	-0.0017 -0.0056	6.750	+0.003 -0.003	6.498	+0.005 -0.005	0.375	0.562	8882910
7.000	-0.0017 -0.0056	7.500	+0.003 -0.003	7.332	+0.005 -0.005	0.250	0.375	8888310
7.000	-0.0017 -0.0056	7.750	+0.003 -0.003	7.498	+0.005 -0.005	0.375	0.562	8883210
8.000	-0.0020 -0.0065	8.750	+0.003 -0.003	8.498	+0.005 -0.005	0.375	0.562	8883310
8.125	-0.0020 -0.0065	8.625	+0.003 -0.003	8.457	+0.005 -0.005	0.250	0.375	8888410

# Notes

