

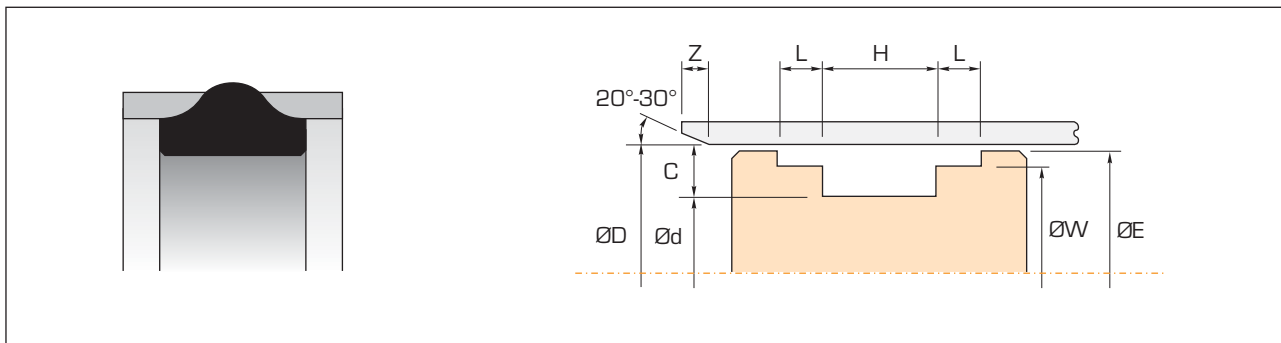
- Category**
- Seal, Double Acting Piston
- Construction**
- Central rubber sealing element with two pressure activated acetal wear rings
- Housing**
- Stepped groove in one piece piston
- Duty**
- Light
- Features**
- One piece piston
 - Easy installation
 - Wear rings eliminate metal to metal contact
- Comments**
- Deltaseals are being phased out and replaced with Hallite Type 77 seals as tooling becomes available
- Manufacturer**
- Hallite
- Size Range**
- Metric and imperial

Metric Specifications

Operating Conditions	Maximum Speed:	0.5 m/sec
	Temperature Range:	-30°C ~ 100°C
	Maximum Pressure:	200 bar
Surface Finish	Dynamic Sealing Face:	0.1 ~ 0.4 µmRa
	Static Sealing Face:	1.6 µmRa max
	Other Faces:	3.2 µmRa max
Chamfers	Minimum Z = C x 0.50 where C = (ØD - Ød) ÷ 2	

Imperial Specifications

Operating Conditions	Maximum Speed:	1.5 ft/sec
	Temperature Range:	-22°F ~ 212°F
	Maximum Pressure:	3000 psi
Surface Finish	Dynamic Sealing Face:	4 ~ 16 µinCLA
	Static Sealing Face:	63 µinCLA max
	Other Faces:	125 µinCLA max
Chamfers	Minimum Z = C x 0.50 where C = (ØD - Ød) ÷ 2	



Metric Sizes

Part No.	ØD	Ød	H	ØW	L	ØE
<i>Tolerances</i>	<i>H10</i>	<i>h9</i>	<i>+0.25 -0</i>	<i>h9</i>	<i>+0 -0.13</i>	<i>h11</i>
DSM025017	25.00	17.50	8.63	21.30	3.25	24.00
DSM032022	32.00	22.00	11.13	27.50	4.00	31.00
DSM040030	40.00	30.00	11.13	35.50	4.00	39.00
DSM050040	50.00	40.00	11.13	45.50	4.00	49.00
DSM063053	63.00	53.00	11.13	58.50	4.00	61.50
DSM080070	80.00	70.00	11.13	75.50	4.00	78.50
DSM092082	92.00	82.00	11.13	87.50	4.00	90.50
DSM100087	100.00	87.00	14.13	93.80	6.00	98.50
DSM125112	125.00	112.00	14.13	118.80	6.00	123.50
DSM140124	140.00	124.00	17.63	132.00	8.75	138.50
DSM160140	160.00	140.00	25.13	151.40	12.50	158.50
DSM180160	180.00	160.00	25.13	171.40	12.50	178.50
DSM200180	200.00	180.00	25.13	191.40	12.50	198.50

Imperial Sizes

Part No.	ØD	Ød	H	ØW	L	ØE
<i>Tolerances</i>	<i>H10</i>	<i>h9</i>	<i>+0.010 -0</i>	<i>h9</i>	<i>+0 -0.005</i>	<i>h11</i>
DS100068	1.000	0.687	0.348	0.829	0.125	0.937
DS125094	1.250	0.937	0.348	1.079	0.125	1.187
DS150112	1.500	1.125	0.442	1.324	0.150	1.437
DS175137	1.750	1.375	0.442	1.574	0.150	1.687
DS200162	2.000	1.625	0.442	1.824	0.150	1.937
DS225187	2.250	1.875	0.442	2.075	0.150	2.187
DS250212	2.500	2.125	0.442	2.325	0.150	2.437
DS275237	2.750	2.375	0.442	2.575	0.150	2.687
DS300262	3.000	2.625	0.442	2.825	0.150	2.937
DS325287	3.250	2.875	0.442	3.075	0.150	3.187
DS350300	3.500	3.000	0.567	3.270	0.210	3.437
DS375325	3.750	3.250	0.567	3.520	0.210	3.687
DS400350	4.000	3.500	0.567	3.770	0.210	3.937
DS425375	4.250	3.750	0.567	4.020	0.210	4.187
DS450400	4.500	4.000	0.567	4.270	0.210	4.437
DS475425	4.750	4.250	0.567	4.520	0.210	4.687
DS500437	5.000	4.375	0.692	4.689	0.344	4.937
DS525462	5.250	4.625	0.692	4.938	0.344	5.187
DS550487	5.500	4.875	0.692	5.188	0.344	5.437
DS600525	6.000	5.250	1.005	5.712	0.500	5.937
DS650575	6.500	5.750	1.005	6.212	0.500	6.437
DS700625	7.000	6.250	1.005	6.712	0.500	6.937
DS750675	7.500	6.750	1.005	7.212	0.500	7.437
DS800725	8.000	7.250	1.005	7.712	0.500	7.937
DS900825	9.000	8.250	1.005	8.712	0.500	8.937