



**Category**

- Seal, Double Acting Piston

**Construction**

- Central NBR sealing element with two contoured nylon 66 back up washers and two L shape acetal wear rings

**Housing**

- Stepped groove in one piece piston

**Duty**

- Medium

**Features**

- Easy installation onto one piece pistons
- Pressure activated back up washer and wear ring design minimise extrusion of the sealing element
- Wear rings eliminate metal to metal contact

**Comments**

- Integrated seal and wear ring design
- Back up washers and wear rings are split for easy assembly

**Manufacturer**

- Hallite

**Size Range**

- Metric

**Metric Specifications**

**Operating Conditions**

Maximum Speed:	0.5 m/sec
Temperature Range:	-30°C ~ 100°C
Maximum Pressure:	400 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
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**Imperial Specifications**

**Operating Conditions**

Maximum Speed:	1.5 ft/sec
Temperature Range:	-22°F ~ 212°F
Maximum Pressure:	6000 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
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**Metric Sizes**

Part No.	ØD	Ød	H	ØW	L	ØE
<i>Tolerances</i>	<i>H10</i>	<i>h9</i>	<i>+0.20</i> <i>-0</i>	<i>h9</i>	<i>+0.10</i> <i>-0</i>	<i>h11</i>
DM3222-15.5-T64	32.00	22.00	15.50	28.00	2.60	31.00
DM4026-15.5-T64	40.00	26.00	15.50	36.00	2.60	39.00
DM5034-20.5-T64	50.00	34.00	20.50	46.00	3.10	49.00
DM5539-20.5-T64	55.00	39.00	20.50	51.00	3.10	54.00
DM6044-20.5-T64	60.00	44.00	20.50	56.00	3.10	59.00
DM6347-20.5-T64	63.00	47.00	20.50	59.00	3.10	62.00
DM6549-20.5-T64	65.00	49.00	20.50	61.00	3.10	64.00

**Metric Sizes (cont'd)**

Part No.	ØD	Ød	H	ØW	L	ØE
DM7054-20.5-T64	70.00	54.00	20.50	66.00	3.10	69.00
DM8062-22.5-T64	80.00	62.00	22.50	76.00	3.60	79.00
DM9072-22.5-T64	90.00	72.00	22.50	86.00	3.60	89.00
DM10082-22.5-T64	100.00	82.00	22.50	96.00	3.60	99.00
DM11092-22.5-T64	110.00	92.00	22.50	106.00	3.60	109.00
DM125103-26.5-T64	125.00	103.00	26.50	121.00	5.10	124.00
DM140118-26.5-T64	140.00	118.00	26.50	136.00	5.10	139.00
DM160138-26.5-T64	160.00	138.00	26.50	156.00	5.10	159.00
DM250225-31.5-T64	250.00	225.00	31.50	246.00	6.60	249.00