



Category

- Vee Pack

Construction

- Single fabric reinforced NBR vee with acetal or hard fabric adaptors

Housing

- Rectangular groove in multipart piston

Duty

- Heavy

Comments

- Standard range of piston only, single vee, vee sets, typically used in pairs on double acting pistons

Size Range

- Metric

Metric Specifications

Operating Conditions

Maximum Speed:	0.5 m/sec
Temperature Range:	-30°C ~ 100°C
Maximum Pressure:	700 bar

Surface Finish

Dynamic Sealing Face:	0.1 ~ 0.4 µmRa
Static Sealing Face:	1.6 µmRa max
Other Faces:	3.2 µmRa max

Extrusion Gap (Diametral)

Pressure (bar)	160	250	400	700
Maximum Gap (mm)	0.35	0.30	0.20	0.10

Chamfers

$$\text{Minimum } Z = C \times 0.5 \quad \text{where } C = (\text{ØD} - \text{Ød}) \div 2$$

Imperial Specifications

Operating Conditions

Maximum Speed:	1.5 ft/sec
Temperature Range:	-22 ~ 212°F
Maximum Pressure:	10 000 psi

Extrusion Gap (Diametral)

Pressure (psi)	2400	3750	6000	10 000
Maximum Gap (in)	0.014	0.012	0.008	0.004

Metric Sizes

Part No.	ØD	Ød	H
<i>Tolerances</i>	<i>H9</i>	<i>h11</i>	<i>+0.25 -0</i>
VM3020T51.	30.00	20.00	9.30
VM4025T51	40.00	25.00	11.50
VM5035T51	50.00	35.00	11.50
VM5540T51	55.00	40.00	11.50
VM6045T51	60.00	45.00	11.50
VM6348T51	63.00	48.00	13.00
VM7050T51	70.00	50.00	15.20
VM8060T51	80.00	60.00	15.20
VM9070T51	90.00	70.00	21.20
VM10080T51	100.00	80.00	21.20

Metric Sizes (cont'd)

Part No.	ØD	Ød	H
VM11090T51	110.00	90.00	21.20
VM125100T51	125.00	100.00	25.80
VM140115T51	140.00	115.00	25.80
VM150120T51	150.00	120.00	29.00
VM160130T51	160.00	130.00	29.00
VM180150T51	180.00	150.00	31.50
VM200170T51	200.00	170.00	33.50
VM225195T51	225.00	195.00	33.50
VM250220T51	250.00	220.00	33.50
VM275245T51	275.00	245.00	33.50
VM300270T51	300.00	270.00	33.50