

Design

The AB Seals VP is a vee pack rod seal for medium duty applications offering excellent performance and long life even under difficult operating conditions such as pressure surges, vibration and some misalignment. The seal consists of a male and female adaptor and many vee rings as per our choice. It has grooves across one face to ensure equal pressure to the sealing edges of the vee ring. The female adaptor uses a hard rubberized fabric to support the vee rings and protect them from extrusion damage. At high pressure the lips of the adaptor acts as a secondary seal.



For information about other material options available, please contact your local AB Seals office.

OPERATING RANGE

Technical details	Metric	Inch
Maximum Speed	0.5m/sec	1.5 ft/sec
Temperature Range	-30 to +100	-22 F + 212 F
Maximum Pressure	400 bar	6,000 P.S.I
Operating Fluid	Standard hydraulic oils	

MATERIAL

- Fabric reinforced rubber
NBRC/VKMC

APPLICATION

- Mobile hydraulics
- Machine tools
- Injection cylinder
- Hydraulic presses
- Lift platforms

Maximum Extrusions Gap

Allowable Extrusion Gap is
0.1 to 0.3 mm

Surface Roughness

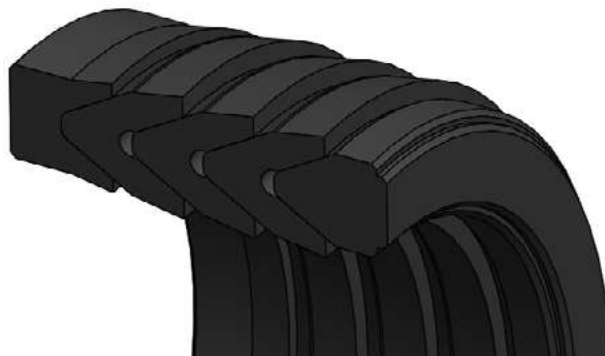
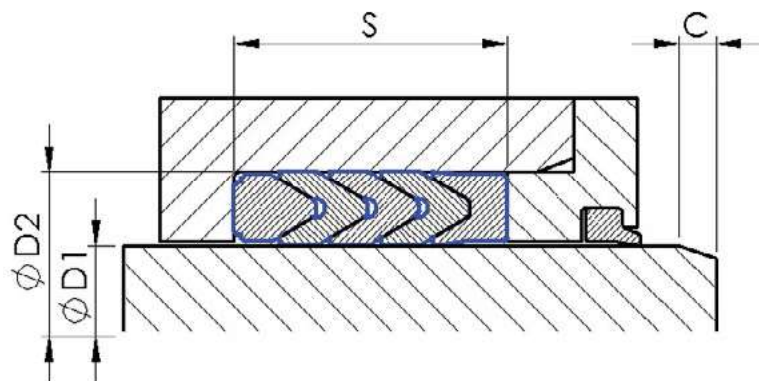
Technical details	Ra (um)	Rt (um)
Sliding Surface	0.4	4
Base Groove	1.6	10
Side Groove	3.2	16

Chamfers & Radii

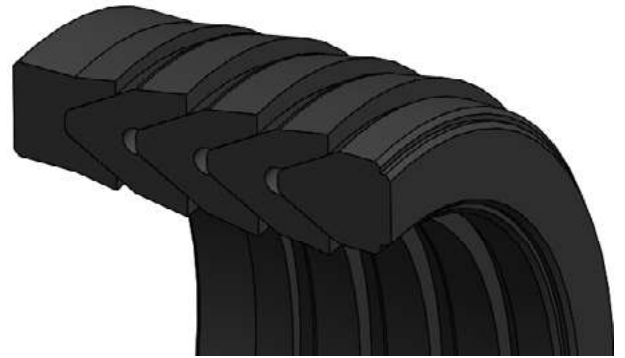
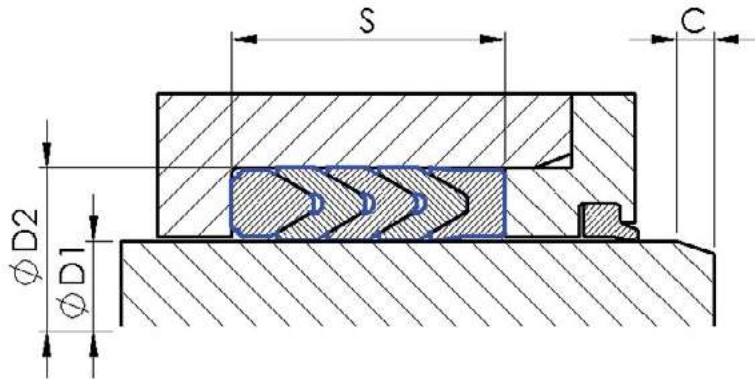
Chamfer 3.75 – 10.5
Radii 0.4 – 8 mm

Ordering Code:

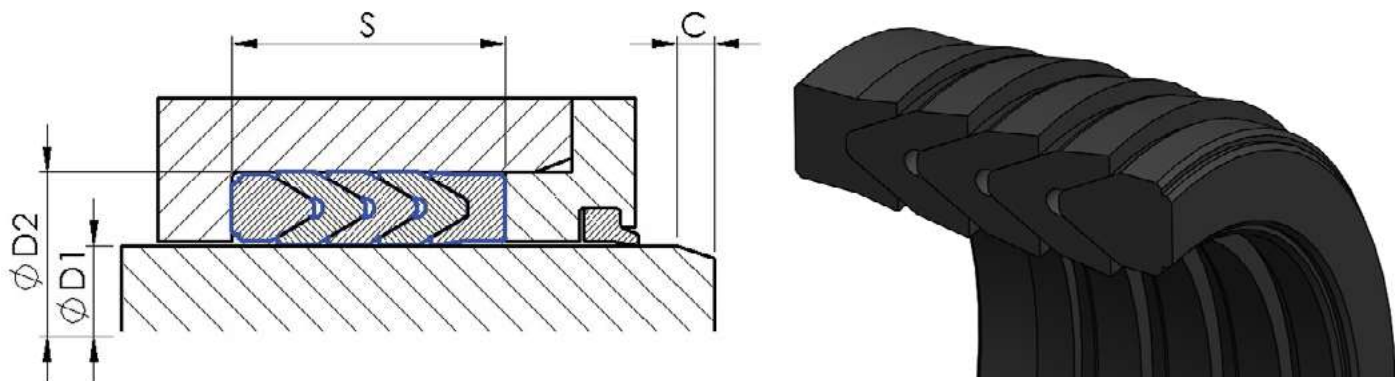
- Example For Temperature -30 to 100, And Tube Bore 50mm – VP5065225
- For Temperature -30 to 200, And Tube Bore 50mm – VPV5065225
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.



ØD1	ØD2	S	PART NO.
20	30	18.5	VP2030185
22	32	18.5	VP2232185
25	40	22.5	VP2540225
28	40	22.5	VP2840225
30	46	22.5	VP3046225
32	44	22.5	VP3244225
35	50	22.5	VP3550225
36	48	22.5	VP3648225
40	52	22.5	VP4052225
45	60	22.5	VP4560225
50	65	22.5	VP5065225
52	62	22.5	VP5262225
56	71	22.5	VP5671225
60	75	22.5	VP6075225
63	80	22.5	VP6380225
65	85	22.5	VP6585225
70	85	22.5	VP7085225
75	90	22.5	VP7590225
80	95	22.5	VP8095225
85	100	22.5	VP85100225
90	105	22.5	VP90105225
100	115	30	VP10011530
110	125	30	VP11012530
115	140	30	VP11514030
120	140	34	VP12014034
125	140	34	VP12514034
127	152	34	VP12715234



ØD1	ØD2	S	PART NO.
130	160	34	VP13016034
136	146	34	VP13614634
140	155	34	VP14015534
150	180	40	VP15018040
160	180	40	VP16018040
170	200	40	VP17020040
180	200	40	VP18020040
185	210	40	VP18521040
190	221	40	VP19022140
200	230	40	VP20023040
210	230	40	VP21023040
220	240	40	VP22024040
225	255	40	VP22525540
230	270	40	VP23027040
240	270	40	VP24027040
250	280	40	VP25028040
260	300	40	VP26030040
265	295	40	VP26529540
275	320	40	VP27532040
290	320	40	VP29032040
300	335	40	VP30033540
320	350	40	VP32035040
340	380	40	VP34038040
345	395	40	VP34539540
350	380	40	VP35038040
380	420	40	VP38042040
410	450	40	VP41045040



ØD1	ØD2	S	PART NO.
420	460	40	VP42046040
450	490	40	VP45049040
455	497	40	VP45549740
525	547	40	VP52554740
530	570	40	VP53057040
700	765	40	VP70076540