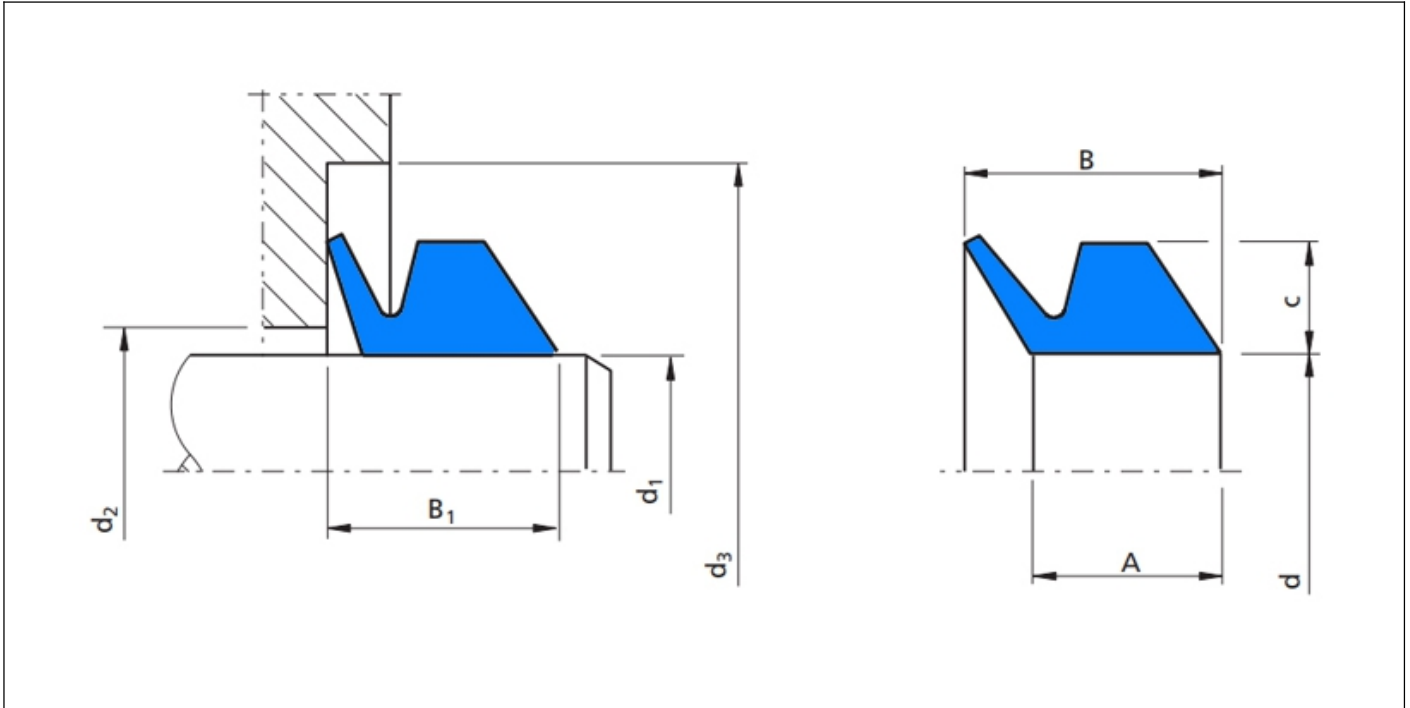


## 1. Installation Recommendation



## 2. Application and properties

VS seal is a unique all-rubber seal for rotary shafts. It has been used successfully by OEMs and on the replacement market world wide in a broad range of applications. VS seal is the perfect seal to prevent the ingress of dirt, dust, water or combinations of these media while positively retaining grease. With its unique design and Performance, VS seal can be used with a wide range of bearing types. It can also be used as a secondary seal to protect primary seals that do not perform well in hostile environments.

## 3. Standard materials

NBR / FKM

## 4. Installation Dimensions

For shaft diameter $d_1$	Inside dia. $d$	Height of cross-section $c$	Dimension $A$	Free width $B$	Maximum $d_2$	Minimum $d_3$	Fitted width $B_1$	Order No.
4.5 - 5.5	4	2	3.9	5.2	$d_1 + 1$	$d_1 + 6$	$4.5 \pm 0.4$	VS005
5.5 - 6.5	5	2	3.9	5.2	$d_1 + 1$	$d_1 + 6$	$4.5 \pm 0.4$	VS006
6.5 - 8.0	6	2	3.9	5.2	$d_1 + 1$	$d_1 + 6$	$4.5 \pm 0.4$	VS007
8.0 - 9.5	7	2	3.9	5.2	$d_1 + 1$	$d_1 + 6$	$4.5 \pm 0.4$	VS008
9.5 - 11.5	9	3	5.6	7.7	$d_1 + 1$	$d_1 + 9$	$6.7 \pm 0.6$	VS010
11.5 - 13.5	10.5	3	5.6	7.7	$d_1 + 1$	$d_1 + 9$	$6.7 \pm 0.6$	VS012
13.5 - 15.5	12.5	3	5.6	7.7	$d_1 + 1$	$d_1 + 9$	$6.7 \pm 0.6$	VS014
15.5 - 17.5	14	3	5.6	7.7	$d_1 + 1$	$d_1 + 9$	$6.7 \pm 0.6$	VS016
17.5 - 19	16	3	5.6	7.7	$d_1 + 1$	$d_1 + 9$	$6.7 \pm 0.6$	VS018
19 - 21	18	4	7.9	10.5	$d_1 + 2$	$d_1 + 12$	$9.0 \pm 0.8$	VS020

# VS

For shaft diameter d <sub>1</sub>	Inside dia. d	Height of cross-section c	Dimension A	Free width B	Maximum d <sub>2</sub>	Minimum d <sub>3</sub>	Fitted width B <sub>1</sub>	Order No.
21 - 24	20	4	7.9	10.5	d1 + 2	d1 + 12	9.0 ±0.8	VS022
24 - 27	22	4	7.9	10.5	d1 + 2	d1 + 12	9.0 ±0.8	VS025
27 - 29	25	4	7.9	10.5	d1 + 2	d1 + 12	9.0 ±0.8	VS028
29 - 31	27	4	7.9	10.5	d1 + 2	d1 + 12	9.0 ±0.8	VS030
31 - 33	29	4	7.9	10.5	d1 + 2	d1 + 12	9.0 ±0.8	VS032
33 - 36	31	4	7.9	10.5	d1 + 2	d1 + 12	9.0 ±0.8	VS035
36 - 38	34	4	7.9	10.5	d1 + 2	d1 + 12	9.0 ±0.8	VS038
38 - 43	36	5	9.5	13.0	d1 + 2	d1 + 15	11.0 ±1.0	VS040
43 - 48	40	5	9.5	13.0	d1 + 2	d1 + 15	11.0 ±1.0	VS045
48 - 53	45	5	9.5	13.0	d1 + 2	d1 + 15	11.0 ±1.0	VS050
53 - 58	49	5	9.5	13.0	d1 + 2	d1 + 15	11.0 ±1.0	VS055
58 - 63	54	5	9.5	13.0	d1 + 2	d1 + 15	11.0 ±1.0	VS060
63 - 68	58	5	9.5	13.0	d1 + 2	d1 + 15	11.0 ±1.0	VS065
68 - 73	63	6	11.3	15.5	d1 + 3	d1 + 18	13.5 ±1.2	VS070
73 - 78	67	6	11.3	15.5	d1 + 3	d1 + 18	13.5 ±1.2	VS075
78 - 83	72	6	11.3	15.5	d1 + 3	d1 + 18	13.5 ±1.2	VS080
83 - 88	76	6	11.3	15.5	d1 + 3	d1 + 18	13.5 ±1.2	VS085
88 - 93	81	6	11.3	15.5	d1 + 3	d1 + 18	13.5 ±1.2	VS090
93 - 98	85	6	11.3	15.5	d1 + 3	d1 + 18	13.5 ±1.2	VS095
98 - 105	90	6	11.3	15.5	d1 + 3	d1 + 18	13.5 ±1.2	VS100
105 - 115	99	7	13.1	18.0	d1 + 4	d1 + 21	15.5 ±1.5	VS110
115 - 125	108	7	13.1	18.0	d1 + 4	d1 + 21	15.5 ±1.5	VS120
125 - 135	117	7	13.1	18.0	d1 + 4	d1 + 21	15.5 ±1.5	VS130
135 - 145	126	7	13.1	18.0	d1 + 4	d1 + 21	15.5 ±1.5	VS140
145 - 155	135	7	13.1	18.0	d1 + 4	d1 + 21	15.5 ±1.5	VS150
155 - 165	144	8	15.0	20.5	d1 + 4	d1 + 24	18.0 ±1.8	VS160
165 - 175	153	8	15.0	20.5	d1 + 4	d1 + 24	18.0 ±1.8	VS170
175 - 185	162	8	15.0	20.5	d1 + 4	d1 + 24	18.0 ±1.8	VS180
185 - 195	171	8	15.0	20.5	d1 + 4	d1 + 24	18.0 ±1.8	VS190
195 - 210	180	8	15.0	20.5	d1 + 4	d1 + 24	18.0 ±1.8	VS199