



SAM ENGINEERS

Web: <http://www.samseals.com> : <http://www.rubbersealsandgaskets.com> : <http://www.samrubber.com>
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V-Seal S

Select the larger V-Seal when the dimension d_1 is on the boundary between two sizes of V-Seal. All dimensions in inches.

V-Seal Designation	For Shaft Diameter d_1	Inside Diameter d	Height of Cross - Section	Dimension A	Free Width B	Maximum d_2	Minimum d_3	Fitted Width B_1
V-55	0.18 -0.21	0.16	0.08	0.15	0.21	$d_1 + 0.04$	$d_1 + 0.25$	0.18 ± 0.016
V-65	0.21 -0.26	0.20						
V-75	0.26 -0.31	0.24						
V-85	0.31 -0.37	0.28	0.08	0.15	0.21	$d_1 + 0.04$	$d_1 + 0.25$	0.18 ± 0.016
V-105	0.37 -0.45	0.35	0.12	0.22	0.30	$d_1 + 0.08$	$d_1 + 0.35$	0.26 ± 0.02
V-125	0.45 -0.53	0.41						
V-145	0.53 -0.61	0.49						
V-165	0.61 -0.69	0.55						
V-185	0.69 -0.77	0.63	0.12	0.22	0.30		$d_1 + 0.35$	0.26 ± 0.02
V-205	0.77 -0.83	0.71	0.16	0.31	0.41		$d_1 + 0.45$	0.35 ± 0.03
V-225	0.83 -0.95	0.79						
V-255	0.95 -1.07	0.87				$d_1 + 0.08$		
V-285	1.07 -1.14	0.98				$d_1 + 0.12$		
V-305	1.14 -1.22	1.06						
V-325	1.22 -1.30	1.14						
V-355	1.30 -1.42	1.22						
V-385	1.42 -1.50	1.34	0.16	0.31	0.41		$d_1 + 0.45$	0.35 ± 0.03
V-405	1.50 -1.70	1.42	0.20	0.37	0.51		$d_1 + 0.60$	0.43 ± 0.04
V-455	1.70 -1.89	1.57						
V-505	1.89 -2.09	1.77						
V-555	2.09 -2.29	1.93						
V-605	2.29 -2.48	2.13						
V-655	2.48 -2.68	2.28	0.20	0.37	0.51	$d_1 + 0.12$	$d_1 + 0.60$	0.43 ± 0.04
V-705	2.68 -2.88	2.48	0.24	0.44	0.61	$d_1 + 0.16$	$d_1 + 0.70$	0.53 ± 0.05
V-755	2.88 -3.07	2.64						
V-805	3.07 -3.27	2.83						
V-855	3.27 -3.47	2.94						
V-905	3.47 -3.66	3.19						
V-955	3.66 -3.86	3.35						
V-1005	3.86 -4.14	3.54	0.24	0.44	0.61		$d_1 + 0.70$	0.53 ± 0.05
V-1105	4.14 -4.53	3.90	0.28	0.52	0.71		$d_1 + 0.80$	0.61 ± 0.06
V-1205	4.53 -4.92	4.25						
V-1305	4.92 -5.32	4.61						
V-1405	5.32 -5.71	4.96						
V-1505	5.71 -6.10	5.31	0.28	0.52	0.71	$d_1 + 0.16$	$d_1 + 0.80$	0.61 ± 0.06
V-1605	6.10 -6.50	5.67	0.32	0.59	0.81	$d_1 + 0.20$	$d_1 + 0.95$	0.71 ± 0.07
V-1705	6.50 -6.89	6.02						
V-1805	6.89 -7.29	6.38						
V-1905	7.29 -7.68	6.73						
V-1995	7.68 -8.27	7.09	0.32	0.59	0.81	$d_1 + 0.20$	$d_1 + 0.95$	0.71 ± 0.07

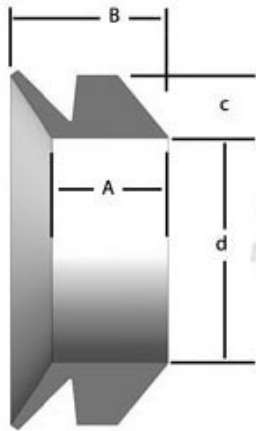
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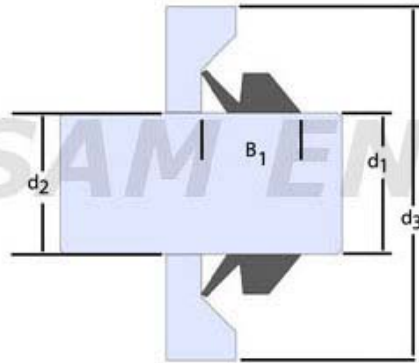


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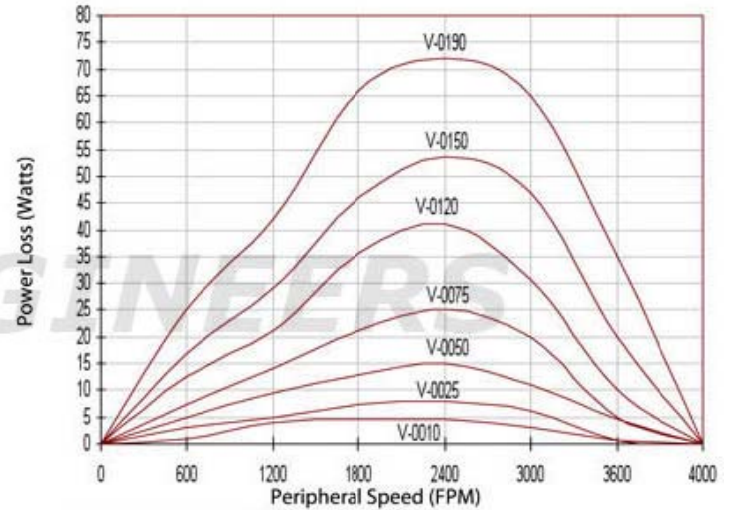
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Profile dimensions



Assembly dimensions



Power Losses are Minimal

The pressure of the lip against the counterface is very light, resulting in low power loss and small heat increase. Above peripheral speeds of 2400 FPM the friction decreases.

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