



TWVA is a unique all-rubber face seal for rotary shafts. The V-ring is the perfect seal to prevent the ingress of dirt, dust, water or combinations of these media while positively retaining grease.

It can be also used as a secondary seal to protect primary seals that do not perform well in hostile environments. The profile A is the most common and available from 5,5 to 430 mm, inclusive.

The V-ring is normally stretched and mounted directly on the shaft. The sealing lip is flexible and applies only a relatively light contact pressure against the counter-face and yet is still sufficient to maintain sealing function.

Operating conditions

Pressure	none
Temperature	-30°C to 100°C
Speed	≤ 10 m/s
Medium	water splash, sand, dust, abrasive particles

Materials

Seal	NBR
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Assembly

V-ring has to be stretched regularly around the shaft

Advantages

- Easy assembly
- Low axial forces, low power loss
- Compact seal

Please contact us for applications approaching maximum values.

d1	d	D	A	L	D2 max	D3 min	H	Forsheda® reference	Friction	Reference
5,5-6,5	5	9	2,4	3,7	d1 + 1	d1 + 6	3,0 +/-0,4	V-6A	Standard	TWVA-00060-N6T50
38-43	36	46	5,5	9	d1 + 2	d1 + 15	7,0 +/-1,0	V-40A	Standard	TWVA-00400-N6T50
48-53	45	55	5,5	9	d1 + 2	d1 + 15	7,0 +/-1,0	V-50A	Standard	TWVA-00500-N6T50
58-63	54	64	5,5	9	d1 + 2	d1 + 15	7,0 +/-1,0	V-60A	Standard	TWVA-00600-N6T50
68-73	63	75	6,8	11	d1 + 3	d1 + 18	9,0 +/-1,2	V-70A	Standard	TWVA-00700-N6T50
78-83	72	84	6,8	11	d1 + 3	d1 + 18	9,0 +/-1,2	V-80A	Standard	TWVA-00800-N6T50
88-93	81	93	6,8	11	d1 + 3	d1 + 18	9,0 +/-1,2	V-90A	Standard	TWVA-00900-N6T50
98-105	90	102	6,8	11	d1 + 3	d1 + 18	9,0 +/-1,2	V-100A	Standard	TWVA-01000-N6T50
105-115	99	113	7,9	12,8	d1 + 4	d1 + 21	10,5 +/-1,5	V-110A	Standard	TWVA-01100-N6T50
115-125	108	122	7,9	12,8	d1 + 4	d1 + 21	10,5 +/-1,5	V-120A	Low friction	TWVA-01200-N6T5C
125-135	117	131	7,9	12,8	d1 + 4	d1 + 21	10,5 +/-1,5	V-130A	Low friction	TWVA-01300-N6T5C
135-145	126	140	7,9	12,8	d1 + 4	d1 + 21	10,5 +/-1,5	V-140A	Low friction	TWVA-01400-N6T5C
145-155	135	149	7,9	12,8	d1 + 4	d1 + 21	10,5 +/-1,5	V-150A	Low friction	TWVA-01500-N6T5C
155-165	144	160	9	14,5	d1 + 4	d1 + 24	12,0 +/-1,8	V-160A	Low friction	TWVA-01600-N6T5C
165-175	153	169	9	14,5	d1 + 4	d1 + 24	12,0 +/-1,8	V-170A	Low friction	TWVA-01700-N6T5C
175-185	162	178	9	14,5	d1 + 4	d1 + 24	12,0 +/-1,8	V-180A	Standard	TWVA-01800-N6T50
185-195	171	187	9	14,5	d1 + 4	d1 + 24	12,0 +/-1,8	V-190A	Standard	TWVA-01900-N6T50
195-210	180	196	9	14,5	d1 + 4	d1 + 24	12,0 +/-1,8	V-199A	Low friction	TWVA-01990-N6T5C
190-210	180	210	14,3	25	d1 + 10	d1 + 45	20 +/-4,0	V-200A	Standard	TWVA-02000-N6T50
210-235	198	228	14,3	25	d1 + 10	d1 + 45	20 +/-4,0	V-220A	Standard	TWVA-02200-N6T50
235-265	225	255	14,3	25	d1 + 10	d1 + 45	20 +/-4,0	V-250A	Standard	TWVA-02500-N6T50
290-310	270	300	14,3	25	d1 + 10	d1 + 45	20 +/-4,0	V-300A	Standard	TWVA-03000-N6T50
390-430	360	390	14,3	25	d1 + 10	d1 + 45	20 +/-4,0	V-400A	Standard	TWVA-04000-N6T50