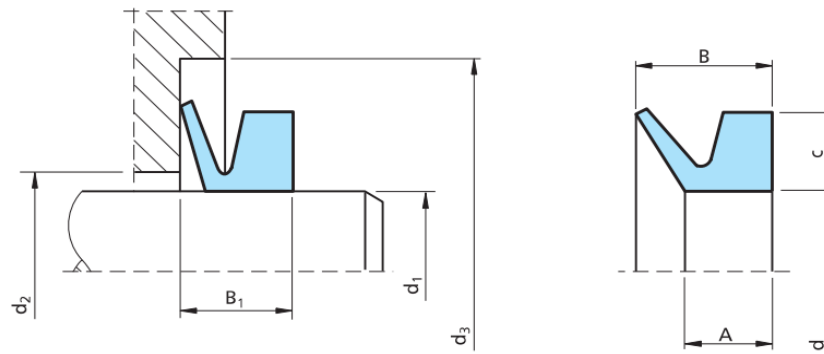
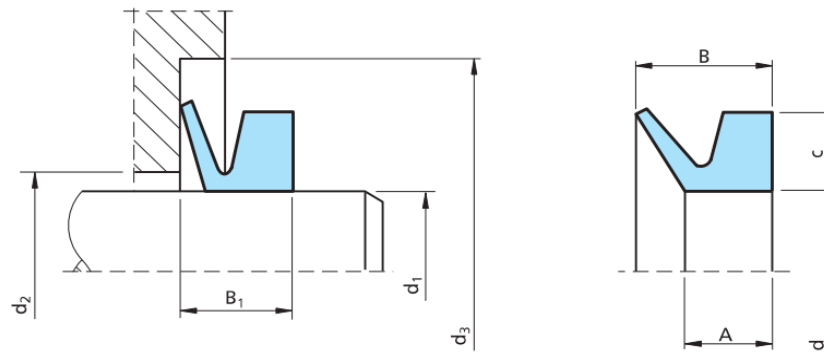
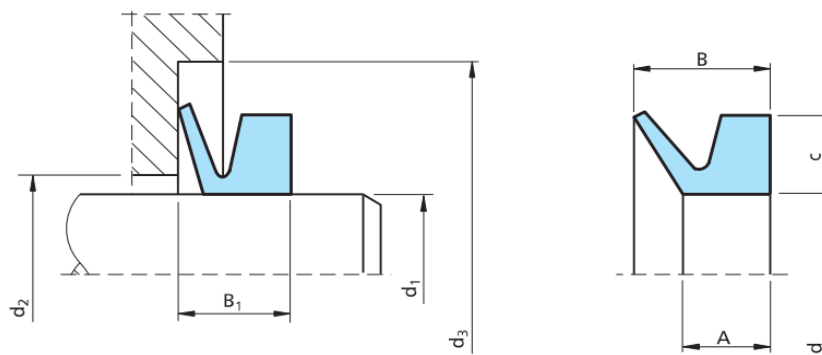




VA Type	ID	OD	Height	Shaft Diameter	Size	Wall	Maximum	Minimum	Fitted Width
Ref.	d	d + 2c	H (B)	d ₁	A	W (c)	d ₂	d ₃	B ₁
VA-3	2.5	5.5	3	2.7-3.5	2.1	1.5	d ₁ +1	d ₁ +4	2.5±0.3
VA-4	3.2	7.2	3.7	3.5-4.5	2.4	2	d ₁ +1	d ₁ +6	3.0±0.4
VA-5	4	8	3.7	4.5-5.5	2.4	2	d ₁ +1	d ₁ +6	3.0±0.4
VA-6	5	9	3.7	5.5-6.5	2.4	2	d ₁ +1	d ₁ +6	3.0±0.4
VA-7	6	10	3.7	6.5-8.0	2.4	2	d ₁ +1	d ₁ +6	3.0±0.4
VA-8	7	11	3.7	8.0-9.5	2.4	2	d ₁ +1	d ₁ +6	3.0±0.4
VA-10	9	15	5.5	9.5-11.5	3.4	3	d ₁ +2	d ₁ +9	4.5±0.6
VA-12	10.5	16.5	5.5	11.5-12.5	3.4	3	d ₁ +2	d ₁ +9	4.5±0.6
VA-13	11.7	17.7	5.5	12.5-13.5	3.4	3	d ₁ +2	d ₁ +9	4.5±0.6
VA-14	12.5	18.5	5.5	13.5-15.5	3.4	3	d ₁ +2	d ₁ +9	4.5±0.6
VA-16	14	20	5.5	15.5-17.5	3.4	3	d ₁ +2	d ₁ +9	4.5±0.6
VA-18	16	22	5.5	17.5-19.0	3.4	3	d ₁ +2	d ₁ +9	4.5±0.6
VA-20	18	26	7.5	19-21	4.7	4	d ₁ +2	d ₁ +12	6.0±0.8
VA-22	20	28	7.5	21-24	4.7	4	d ₁ +2	d ₁ +12	6.0±0.8
VA-25	22	30	7.5	24-27	4.7	4	d ₁ +2	d ₁ +12	6.0±0.8
VA-28	25	33	7.5	27-29	4.7	4	d ₁ +3	d ₁ +12	6.0±0.8
VA-30	27	35	7.5	29-31	4.7	4	d ₁ +3	d ₁ +12	6.0±0.8
VA-32	29	37	7.5	31-33	4.7	4	d ₁ +3	d ₁ +12	6.0±0.8
VA-35	31	39	7.5	33-36	4.7	4	d ₁ +3	d ₁ +12	6.0±0.8
VA-38	34	42	7.5	36-38	4.7	4	d ₁ +3	d ₁ +12	6.0±0.8
VA-40	36	46	9	38-43	5.5	5	d ₁ +3	d ₁ +15	7.0±1.0
VA-45	40	50	9	43-48	5.5	5	d ₁ +3	d ₁ +15	7.0±1.0
VA-50	45	55	9	48-53	5.5	5	d ₁ +3	d ₁ +15	7.0±1.0
VA-55	49	59	9	53-58	5.5	5	d ₁ +3	d ₁ +15	7.0±1.0
VA-60	54	64	9	58-63	5.5	5	d ₁ +3	d ₁ +15	7.0±1.0
VA-65	58	68	9	63-68	5.5	5	d ₁ +3	d ₁ +15	7.0±1.0
VA-70	63	75	11	86-73	6.8	6	d ₁ +4	d ₁ +18	9.0±1.2
VA-75	67	79	11	73-78	6.8	6	d ₁ +4	d ₁ +18	9.0±1.2
VA-80	72	84	11	78-83	6.8	6	d ₁ +4	d ₁ +18	9.0±1.2
VA-85	76	88	11	83-88	6.8	6	d ₁ +4	d ₁ +18	9.0±1.2



VA Type	ID	OD	Height	Shaft Diameter	Size	Wall	Maximum	Minimum	Fitted Width
Ref.	d	d + 2c	H (B)	d ₁	A	W (c)	d ₂	d ₃	B ₁
VA-90	81	93	11	88-93	6.8	6	d ₁ +4	d ₁ +18	9.0±1.2
VA-95	85	97	11	93-98	6.8	6	d ₁ +4	d ₁ +18	9.0±1.2
VA-100	90	102	11	98-105	6.8	6	d ₁ +4	d ₁ +18	9.0±1.2
VA-110	99	113	12.8	105-115	7.9	7	d ₁ +4	d ₁ +21	10.5±1.5
VA-120	108	122	12.8	115-125	7.9	7	d ₁ +4	d ₁ +21	10.5±1.5
VA-130	117	131	12.8	125-135	7.9	7	d ₁ +4	d ₁ +21	10.5±1.5
VA-140	126	140	12.8	135-145	7.9	7	d ₁ +4	d ₁ +21	10.5±1.5
VA-150	135	149	12.8	145-155	7.9	7	d ₁ +4	d ₁ +21	10.5±1.5
VA-160	144	160	14.5	155-165	9	8	d ₁ +5	d ₁ +24	12.0±1.8
VA-170	153	169	14.5	165-175	9	8	d ₁ +5	d ₁ +24	12.0±1.8
VA-180	162	178	14.5	175-185	9	8	d ₁ +5	d ₁ +24	12.0±1.8
VA-190	171	187	14.5	185-195	9	8	d ₁ +5	d ₁ +24	12.0±1.8
VA-199	180	196	14.5	195-210	9	8	d ₁ +5	d ₁ +24	12.0±1.8
VA-200	180	210	25	190-210	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-220	198	228	25	210-235	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-250	225	255	25	235-265	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-275	247	277	25	265-290	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-300	270	300	25	290-310	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-325	292	322	25	310-335	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-350	315	345	25	335-365	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-375	337	367	25	365-390	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-400	360	390	25	390-430	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-450	405	435	25	430-480	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-500	450	480	25	480-530	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-550	495	525	25	530-580	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-600	540	570	25	580-630	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-650	600	630	25	630-665	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-700	630	660	25	665-705	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-725	670	700	25	705-745	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-750	705	735	25	745-785	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0



VA Type	ID	OD	Height	Shaft Diameter	Size	Wall	Maximum	Minimum	Fitted Width
Ref.	d	d + 2c	H (B)	d ₁	A	W (c)	d ₂	d ₃	B ₁
VA-800	745	775	25	785-830	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-850	785	815	25	830-875	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-900	825	855	25	875-920	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-950	865	895	25	920-965	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1000	910	940	25	965-1015	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1100	1000	1030	25	1065-1115	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1150	1045	1075	25	1115-1165	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1200	1090	1120	25	1165-1215	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1250	1135	1165	25	1215-1270	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1300	1180	1210	25	1270-1320	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1350	1225	1255	25	1320-1370	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1400	1270	1300	25	1370-1420	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1450	1315	1345	25	1420-1470	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1500	1360	1390	25	1470-1520	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1550	1405	1435	25	1520-1570	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1600	1450	1480	25	1570-1620	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1650	1495	1525	25	1620-1670	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1700	1540	1570	25	1670-1720	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1750	1585	1615	25	1720-1770	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1800	1630	1660	25	1770-1820	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1850	1675	1705	25	1820-1870	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1900	1720	1750	25	1870-1920	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-1950	1765	1795	25	1920-1970	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0
VA-2000	1810	1840	25	1970-2020	14.3	15	d ₁ +10	d ₁ +45	20.0±4.0