



V-ring type E NBR

V-ring type E with straight back serves as a pressureless axial rod seal with a very small mounting length, which is clamped on the shaft.

The flexible sealing lip seals a counter face at a right angle to the shaft preventing dirt, dust and splash to enter the construction. The type E is designed for heavy use or is applied in situations where larger axial tolerances are required. This profile is delivered for shafts from Ø450 to Ø2010 mm.

Material

Seal : NBR FPM
 Colour : black brown
 Hardness : 60° Shore A

Operational circumstances

T : NBR: -30 till +100 °C/ FPM: -15 till +200 °C
 V : ≤ 8m/s, from 8 to 12 m/s radial support is recommended.
 With speeds over 15 m/s , the lip will come off the counter face.

Counter face treatment

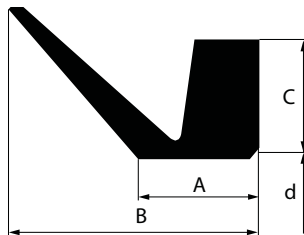
See table : surface roughness (page 5)

Sizes

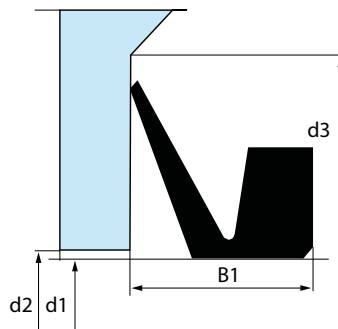
see table

Mounting

The ERIKS V-ring must be mounted to the counterface, respecting a recommended distance so the sealing lip gets the right tension of the sealing lip de juiste voorspanning krijgt.



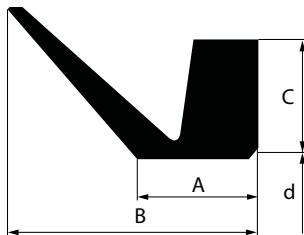
B = 32,5 mm
 A = 65 mm
 C = 30 mm



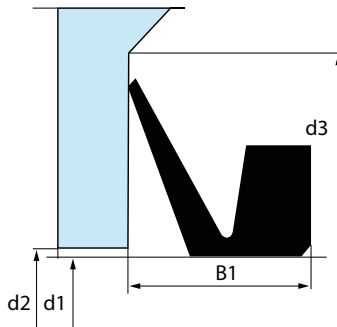
B1 = 50 ± 12 mm
 d2max = d1 + 24 mm
 d3min = d1 + 110 mm

Fig. 16

V-ring type E NBR			V-ring type E NBR (continuation)		
V-ring type	Shaft diameter	ID diameter	V-ring type	Shaft diameter	ID diameter
	d1	d		d1	d
V - 450E	450 - 455	439	V - 545E	545 - 550	531
V - 455E	455 - 460	444	V - 550E	550 - 555	536
V - 460E	460 - 465	448	V - 555E	555 - 560	541
V - 465E	465 - 470	453	V - 560E	560 - 565	546
V - 470E	470 - 475	458	V - 565E	565 - 570	550
V - 475E	475 - 480	463	V - 570E	570 - 575	555
V - 480E	480 - 485	468	V - 575E	575 - 580	560
V - 485E	485 - 490	473	V - 580E	580 - 585	565
V - 490E	490 - 495	478	V - 585E	585 - 590	570
V - 495E	495 - 500	483	V - 590E	590 - 600	575
V - 500E	500 - 505	488	V - 600E	600 - 610	582
V - 505E	505 - 510	493	V - 610E	610 - 620	592
V - 510E	510 - 515	497	V - 620E	620 - 630	602
V - 515E	515 - 520	502	V - 630E	630 - 640	612
V - 520E	520 - 525	507	V - 640E	640 - 650	621
V - 525E	525 - 530	512	V - 650E	650 - 660	631
V - 530E	530 - 535	517	V - 660E	660 - 670	640
V - 535E	535 - 540	521	V - 670E	670 - 680	650
V - 540E	540 - 545	526	V - 680E	680 - 690	660



$B = 32,5 \text{ mm}$
 $A = 65 \text{ mm}$
 $C = 30 \text{ mm}$



$B1 = 50 \pm 12 \text{ mm}$
 $d2_{\text{max}} = d1 + 24 \text{ mm}$
 $d3_{\text{min}} = d1 + 110 \text{ mm}$

Fig. 16

V-ring type E NBR (continuation)		
V-ring type	Shaft diameter	ID diameter
	d1	d
V - 690E	690 - 700	670
V - 700E	700 - 710	680
V - 710E	710 - 720	689
V - 720E	720 - 730	699
V - 730E	730 - 740	709
V - 740E	740 - 750	718
V - 750E	750 - 758	728
V - 760E	758 - 766	735
V - 770E	766 - 774	743
V - 780E	774 - 783	751
V - 790E	783 - 792	759
V - 800E	792 - 801	768
V - 810E	801 - 810	777
V - 820E	810 - 821	786
V - 830E	821 - 831	796
V - 840E	831 - 841	805
V - 850E	841 - 851	814
V - 860E	851 - 861	824
V - 870E	861 - 871	833
V - 880E	871 - 882	843
V - 890E	882 - 892	853
V - 900E	892 - 912	871
V - 920E	912 - 922	880
V - 930E	922 - 933	890
V - 940E	933 - 944	900
V - 950E	944 - 955	911
V - 960E	955 - 966	921
V - 970E	966 - 977	932
V - 980E	977 - 988	942
V - 990E	988 - 999	953
V - 1000E	999 - 1010	963
V - 1020E	1010 - 1025	973
V - 1040E	1025 - 1045	990
V - 1060E	1045 - 1065	1008
V - 1080E	1065 - 1085	1027
V - 1100E	1085 - 1105	1045
V - 1120E	1105 - 1125	1065
V - 1140E	1125 - 1145	1084
V - 1160E	1145 - 1165	1103
V - 1180E	1165 - 1185	1121

V-ring type E NBR continuation		
V-ring type	Shaft diameter	ID diameter
	d1	d
V - 1200E	1185 - 1205	1139
V - 1220E	1205 - 1225	1157
V - 1240E	1225 - 1245	1176
V - 1260E	1245 - 1270	1195
V - 1280E	1270 - 1295	1218
V - 1300E	1295 - 1315	1240
V - 1325E	1315 - 1340	1259
V - 1350E	1340 - 1365	1281
V - 1375E	1365 - 1390	1305
V - 1400E	1390 - 1415	1328
V - 1425E	1415 - 1440	1350
V - 1450E	1440 - 1465	1374
V - 1475E	1465 - 1490	1397
V - 1500E	1490 - 1515	1419
V - 1525E	1515 - 1540	1443
V - 1550E	1540 - 1570	1467
V - 1575E	1570 - 1600	1495
V - 1600E	1600 - 1640	1524
V - 1650E	1640 - 1680	1559
V - 1700E	1680 - 1720	1596
V - 1750E	1720 - 1765	1632
V - 1800E	1765 - 1810	1671
V - 1850E	1810 - 1855	1714
V - 1900E	1855 - 1905	1753
V - 1950E	1905 - 1955	1794
V - 2000E	1955 - 2010	1844