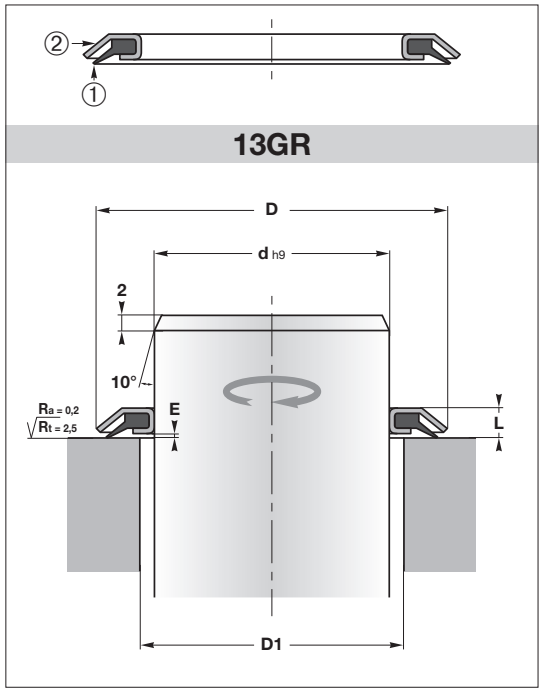


13GR is made of two parts, an elastomeric sealing element and a metal case. It has to be fixed to the shaft at a predetermined distance (E) from the sealing surface. This type of seals is primarily used as a seal against foreign matter, liquid splatter and grease. The metal case is protecting the seal from solids and excludes other contaminants by centrifusion.

Operating conditions see page 8

Pressure	none
Temperature	-30°C to 100°C
Speed	≤ 20 m/s
Fluids	none

Materials see pages 10-19

Seal ①	NBR
Casing ②	ST

Assembly

Profile 13GR must be pressed on the shaft

Advantages

Good protection against moderate to medium dust and dirt ingress
Low axial forces, low power loss
Compact seal
Absorption of certain shaft misalignment
Easy assembly

Please contact us for applications approaching maximum values.

More information

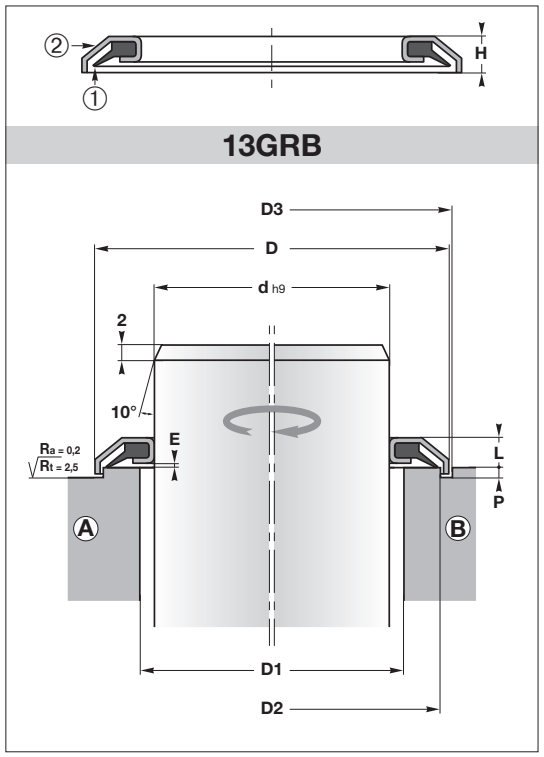
On *www.hegetu.nl*, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	E	D1	Reference
10	24	3,5	1	15	**13GR 10**
11	26	3,5	1	16	**13GR 11**
12	26	3,5	1	17	**13GR 12**
14	30	4	1	20	**13GR 14**
15	30	3	1	21	**13GR 15**
	30	4	1	21	**13GR 15/1**
16	32	4	1	23	**13GR 16**
17	32	4	1	23	**13GR 17**
18	33	4	1	24	**13GR 18**
20	35	4	1	26	**13GR 20**
22	40	4	1	28	**13GR 22**
24	40	4	1	30	**13GR 24**
25	40	3	1	31	**13GR 25**
	40	4	1	31	**13GR 25/1**
	42	7	1	31	**13GR 25/2**
26	40	4	1	32	**13GR 26**
28	43	4	1	34	**13GR 28**
30	47	4,5	1	37	**13GR 30**
32	49	4,5	1	39	**13GR 32**
35	52	4,5	1	42	**13GR 35**
38	55	4,5	1	45	**13GR 38**
40	57	4,5	1	47	**13GR 40**
41	57	4,5	1	48	**13GR 41**
42	59	4,5	1	49	**13GR 42**

d	D	L	E	D1	Reference
45	62	4,5	1	52	**13GR 45**
48	64	4	1	55	**13GR 48**
	65	4,5	1	55	**13GR 48/1**
50	70	5,5	1	58	**13GR 50**
52	72	5,5	1	60	**13GR 52**
55	75	5,5	1	63	**13GR 55**
58	78	5,5	1	66	**13GR 58**
60	80	5,5	1	68	**13GR 60**
62	82	5,5	1	70	**13GR 62**
65	85	5,5	1	73	**13GR 65**
68	88	5,5	1	76	**13GR 68**
70	90	5,5	1	78	**13GR 70**
72	92	5,5	1	80	**13GR 72**
75	95	5,5	1	83	**13GR 75**
78	98	5,5	1	86	**13GR 78**
80	100	5,5	1	88	**13GR 80**
85	105	5,5	1	93	**13GR 85**
90	110	5,5	1	98	**13GR 90**
95	115	5,5	1	103	**13GR 95**
100	120	5,5	1	108	**13GR 100**
105	125	5,5	1	113	**13GR 105**
135	159	5,5	1	145	**13GR 135**
225	250	5,5	1	235	**13GR 225**

For special requirements (fluid, temperature, pressure, speed...) or applications approaching maximum values, please contact us. Other materials available: **FPM**, **HNBR**, **TNBR**, **EPDM**...

13GR seals with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability: ***www.hegetu.nl***



13GRB is made of two parts, an elastomeric sealing element and a metal case. It has to be fixed to the shaft at a predetermined distance (E) from the sealing surface. This type of seals is primarily used as a seal against foreign matter, liquid splatter and grease.

An additional feature is the shape of the metal shell which allows a very effective protection of the seal from solids even by heavy duty applications.

Operating conditions see page 8

Pressure	none
Temperature	-30°C to 100°C
Speed	≤ 20 m/s
Fluids	none

Materials see pages 10-19

Seal ①	NBR
Casing ②	ST

Assembly

Profile 13GRB must be pressed on the shaft

Advantages

Very good protection against moderate to medium dust and dirt ingress

Low axial forces, low power loss

Compact seal

Absorption of certain shaft misalignment

Easy assembly

Please contact us for applications approaching maximum values.

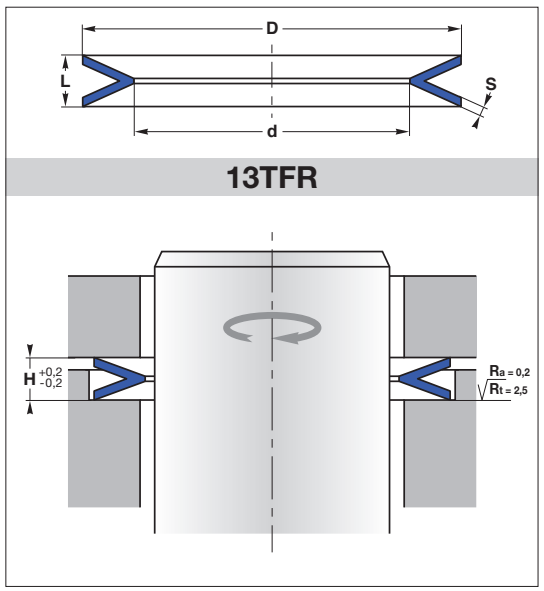
More information

On *www.hegetu.nl*, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d	D	L	E	H	P	D1	D2	D3	Reference
15	32	4	1	6	3	21	29	34	**13GRB 15**
17	34	4	1	6	3	23	31	36	**13GRB 17**
20	37	4	1	6	3	26	34	39	**13GRB 20**
25	42	4	1	6	3	31	39	44	**13GRB 25**
30	48	4,5	1	6,5	3	37	45	50	**13GRB 30**
35	51,5	4,5	1	6,5	3	42	50	55	**13GRB 35**
35	53	4,5	1	6,5	3	42	50	55	**13GRB 35/1**
40	58	4,5	1	6,5	3	47	55	60	**13GRB 40**
45	63	4,5	1	6,5	3	52	60	65	**13GRB 45**
50	72	5,5	1	7,5	3	58	68,5	74	**13GRB 50**
55	77	5,5	1	7,5	3	63	73,5	79	**13GRB 55**
60	82	5,5	1	7,5	3	68	78,5	84	**13GRB 60**
65	87	5,5	1	7,5	3	73	83,5	89	**13GRB 65**
70	92	5,5	1	7,5	3	78	88,5	94	**13GRB 70**
75	97	5,5	1	7,5	3	83	93,5	99	**13GRB 75**
80	102	5,5	1	7,5	3	88	98,5	104	**13GRB 80**
85	107	5,5	1	7,5	3	93	103,5	109	**13GRB 85**
90	112	5,5	1	7,5	3	98	108,5	114	**13GRB 90**
95	117	5,5	1	7,5	3	103	113,5	119	**13GRB 95**
100	122	5,5	1	7,5	3	108	118,5	124	**13GRB 100**

For special requirements (fluid, temperature, pressure, speed...) or applications approaching maximum values, please contact us. Other materials available: **FPM**, **HNBR**, **TNBR**, **EPDM**...

13GRB seals with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability: ***www.hegetu.nl***



The function of the **13TFR** is to prevent the introduction of dust, dirt, mud and foreign matter into the system to protect the internal components. The sealing lips are axial compressed which produce a very effective protection and extend the service life of the components.

This rotary seal is made of polyurethane, which increases the wear resistance and extends the service life. This material also ensures excellent dry running properties.

Operating conditions	**see page 8**
Pressure	none
Temperature	-40°C to 100°C
Speed	3 to 10 m/s
Fluids	Mineral oils, water emulsions

Materials	**see pages 10-19**
Seal	PU10

Assembly

Profile 13TFR must be compressed in its groove respecting the dimension H

Advantages

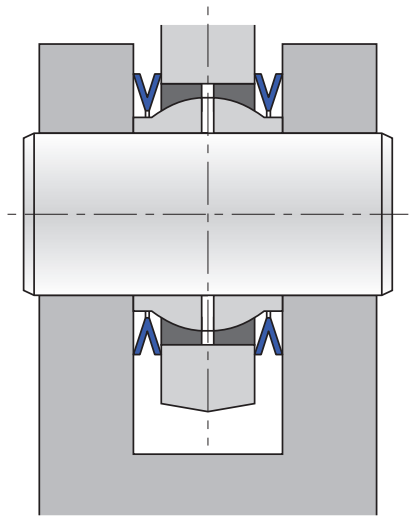
Easy assembly
Extended service life
Excellent abrasion resistance
Compensation of angular swing movements (up to 2°)

Please contact us for applications approaching maximum values.

More information

On ***www.hegetu.nl***, click first on the reference and then on the material code to obtain the data sheet of the different materials.

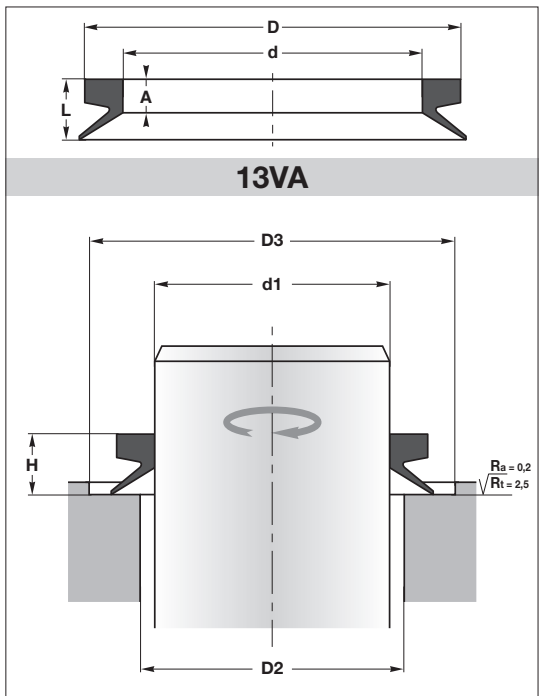
Example of application



D	d	L	H	S	Reference
27,5	22,5	4	2	0,75	**13TFR 27.5**
32	26	4	2	0,75	**13TFR 32**
38,5	31	4,5	2	0,75	**13TFR 38.5**
43	36	5	2	0,75	**13TFR 43**
51	42	6	2,5	0,8	**13TFR 51**
57,5	47,5	7	3,5	1	**13TFR 57.5**
59	50,5	5	2	1	**13TFR 59**
64	54	7	3,5	1	**13TFR 64**
71	59	7	3,5	1	**13TFR 71**
74	61,5	8	3,5	1	**13TFR 74**
80	65	7	3,5	1	**13TFR 80**
86	71	9	4	1	**13TFR 86**
86	70	9	4	1	**13TFR 86/1**
88,8	70	8	3,5	1,2	**13TFR 88.8**
95	85	6	2,5	1	**13TFR 95**
100	82	9	4,5	1,25	**13TFR 100**
105	90	9	4,5	1,25	**13TFR 105**
112	96	10	5	1,5	**13TFR 112**
121	103	12	5	1,5	**13TFR 121**
142	116	16,5	7,5	1,5	**13TFR 142**
152	127	16,5	7,5	1,5	**13TFR 152**
162	137	16,5	7,5	1,5	**13TFR 162**
186	160	16	7,5	2	**13TFR 186**

For special requirements (fluid, temperature, pressure, speed...) or applications approaching maximum values, please contact us. Other materials available: **FPM**, **HNBR**, **TNBR**, **EPDM**...

13TFR seals with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability: ***www.hegetu.nl***



13VA is an all-rubber face seal. The profile A is the most common. It works as a front seal and is the perfect solution to prevent the introduction of dust, dirt or water into the system. It can also be used as a secondary seal to protect the primary seal.

The V-ring is **self-retaining** on the shaft. The sealing lip is flexible and applies a low contact pressure against the counter face, sufficient to maintain the sealing function.

Operating conditions see page 8

Pressure	none
Temperature	-30°C to 100°C
Speed	≤ 10 m/s
Media	watersplash, sand, dust, abrasive particles...

Materials see pages 10-19

Seal	NBR

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.

More information

On *www.hegetu.nl*, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d1	d	D	A	L	D2 max	D3 min	H	Reference
2,7-3,5	2,5	5,5	2,1	3	**d1** + 1	**d1** + 4	2,5 +/-0,3	**13VA 003**
4,5-5,5	4	8	2,4	3,7	**d1** + 1	**d1** + 6	3,0 +/-0,4	**13VA 005**
8,0-9,5	7	11	2,4	3,7	**d1** + 1	**d1** + 6	3,0 +/-0,4	**13VA 008**
9,5-11,5	9	15	3,4	5,5	**d1** + 1	**d1** + 9	4,5 +/-0,6	**13VA 010**
11,5-12,5	10,5	16,5	3,4	5,5	**d1** + 1	**d1** + 9	4,5 +/-0,6	**13VA 012**
12,5-13,5	11,7	17,7	3,4	5,5	**d1** + 1	**d1** + 9	4,5 +/-0,6	**13VA 013**
13,5-15,5	12,5	18,5	3,4	5,5	**d1** + 1	**d1** + 9	4,5 +/-0,6	**13VA 014**
15,5-17,0	14	20	3,4	5,5	**d1** + 1	**d1** + 9	4,5 +/-0,6	**13VA 016**
17,5-19	16	22	3,4	5,5	**d1** + 1	**d1** + 9	4,5 +/-0,6	**13VA 018**
19-21	18	26	4,7	7,5	**d1** + 2	**d1** + 12	6,0 +/-0,8	**13VA 020**
21-24	20	28	4,7	7,5	**d1** + 2	**d1** + 12	6,0 +/-0,8	**13VA 022**
24-27	22	30	4,7	7,5	**d1** + 2	**d1** + 12	6,0 +/-0,8	**13VA 025**
27-29	25	33	4,7	7,5	**d1** + 2	**d1** + 12	6,0 +/-0,8	**13VA 028**
29-31	27	35	4,7	7,5	**d1** + 2	**d1** + 12	6,0 +/-0,8	**13VA 030**
31-33	29	37	4,7	7,5	**d1** + 2	**d1** + 12	6,0 +/-0,8	**13VA 032**
33-36	31	39	4,7	7,5	**d1** + 2	**d1** + 12	6,0 +/-0,8	**13VA 035**
36-38	34	42	4,7	7,5	**d1** + 2	**d1** + 12	6,0 +/-0,8	**13VA 038**
38-43	36	46	5,5	9	**d1** + 2	**d1** + 15	7,0 +/-1,0	**13VA 040**
43-48	40	50	5,5	9	**d1** + 2	**d1** + 15	7,0 +/-1,0	**13VA 045**
48-53	45	55	5,5	9	**d1** + 2	**d1** + 15	7,0 +/-1,0	**13VA 050**
53-58	49	59	5,5	9	**d1** + 2	**d1** + 15	7,0 +/-1,0	**13VA 055**
58-63	54	64	5,5	9	**d1** + 2	**d1** + 15	7,0 +/-1,0	**13VA 060**
63-68	58	68	5,5	9	**d1** + 2	**d1** + 15	7,0 +/-1,0	**13VA 065**
68-73	63	75	6,8	11	**d1** + 3	**d1** + 18	9,0 +/-1,2	**13VA 070**
73-78	67	79	6,8	11	**d1** + 3	**d1** + 18	9,0 +/-1,2	**13VA 075**
78-83	72	84	6,8	11	**d1** + 3	**d1** + 18	9,0 +/-1,2	**13VA 080**
83-88	76	88	6,8	11	**d1** + 3	**d1** + 18	9,0 +/-1,2	**13VA 085**
88-93	81	93	6,8	11	**d1** + 3	**d1** + 18	9,0 +/-1,2	**13VA 090**
93-98	85	97	6,8	11	**d1** + 3	**d1** + 18	9,0 +/-1,2	**13VA 095**
98-105	90	102	6,8	11	**d1** + 3	**d1** + 18	9,0 +/-1,2	**13VA 100**
105-115	99	113	7,9	12,8	**d1** + 4	**d1** + 21	10,5 +/-1,5	**13VA 110**
115-125	108	122	7,9	12,8	**d1** + 4	**d1** + 21	10,5 +/-1,5	**13VA 120**
125-135	117	131	7,9	12,8	**d1** + 4	**d1** + 21	10,5 +/-1,5	**13VA 130**
135-145	126	140	7,9	12,8	**d1** + 4	**d1** + 21	10,5 +/-1,5	**13VA 140**
145-155	135	149	7,9	12,8	**d1** + 4	**d1** + 21	10,5 +/-1,5	**13VA 150**
155-165	144	160	9	14,5	**d1** + 4	**d1** + 24	12,0 +/-1,8	**13VA 160**
165-175	153	169	9	14,5	**d1** + 4	**d1** + 24	12,0 +/-1,8	**13VA 170**
175-185	162	178	9	14,5	**d1** + 4	**d1** + 24	12,0 +/-1,8	**13VA 180**
185-195	171	187	9	14,5	**d1** + 4	**d1** + 24	12,0 +/-1,8	**13VA 190**

For special requirements (fluid, temperature, pressure, speed...) or applications approaching maximum values, please contact us. Other materials available: **FPM**, **HNBR**, **TNBR**, **EPDM**...

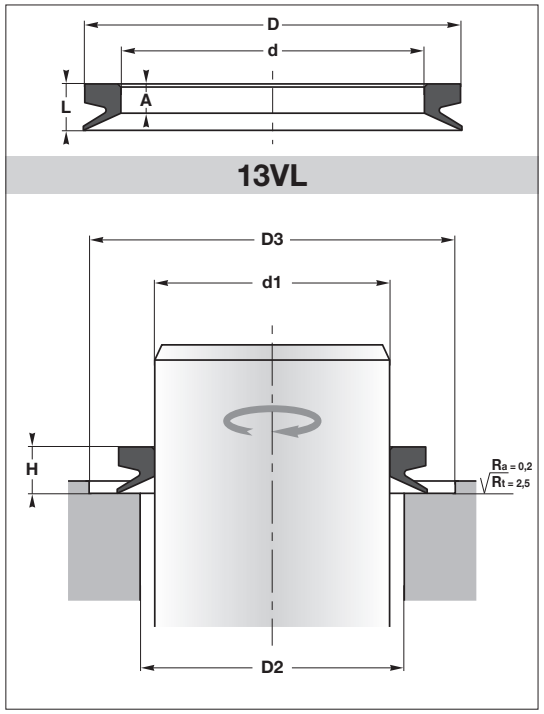
13VA seals with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability: ***www.hegetu.nl***

d1	d	D	A	L	D2 max	D3 min	H	Reference
195-210	180	196	9	14,5	**d1** + 4	**d1** + 24	12,0 +/-1,8	**13VA 199**
190-210	180	210	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 200**
210-235	198	228	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 220**
235-265	225	255	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 250**
265-290	247	277	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 275**
290-310	270	300	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 300**
310-335	292	322	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 325**
335-365	315	345	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 350**
365-390	337	367	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 375**
390-430	360	390	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 400**
430-480	405	435	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 450**
480-530	450	480	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 500**
530-580	495	525	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 550**
580-630	540	570	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 600**
630-665	600	630	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 650**
665-705	630	660	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 700**
705-745	670	700	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 725**
745-785	705	735	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 750**
785-830	745	775	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 800**
830-875	785	815	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 850**
875-920	825	855	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 900**
920-965	865	895	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 950**
965-1015	910	940	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1000**
1015-1065	955	985	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1050**
1065-1115	1000	1030	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1100**
1115-1165	1045	1075	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1150**
1165-1215	1090	1120	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1200**
1215-1270	1135	1165	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1250**
1270-1320	1180	1210	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1300**
1320-1370	1225	1255	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1350**
1370-1420	1270	1300	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1400**
1420-1470	1315	1345	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1450**
1470-1520	1360	1390	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1500**
1520-1570	1405	1435	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1550**
1570-1620	1450	1480	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1600**
1620-1670	1495	1525	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1650**
1670-1720	1540	1570	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1700**
1720-1770	1585	1615	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1750**
1770-1820	1630	1660	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1800**

d1	d	D	A	L	D2 max	D3 min	H	Reference
1820-1870	1675	1705	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1850**
1870-1920	1720	1750	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1900**
1920-1970	1765	1795	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 1950**
1970-2020	1810	1840	14,3	25	**d1** + 10	**d1** + 45	20 +/-4,0	**13VA 2000**

For special requirements (fluid, temperature, pressure, speed...) or applications approaching maximum values, please contact us. Other materials available: **FPM**, **HNBR**, **TNBR**, **EPDM**...

13VA seals with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability: ***www.hegetu.nl***



13VL is an all-rubber face seal. It works as a front seal and is the perfect solution to prevent the introduction of dust, dirt or water into the system. It can also be used as a secondary seal to protect the primary seal.

The V-ring is **self-retaining** on the shaft. The sealing lip is flexible and applies a low contact pressure against the counter face, sufficient to maintain the sealing function. The profile L has a narrow axial cross section suitable for compact arrangements.

Operating conditions see page 8

Pressure	none
Temperature	-30°C to 100°C
Speed	≤ 10 m/s
Media	watersplash, sand, dust, abrasive particles...

Materials see pages 10-19

Seal	NBR

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.

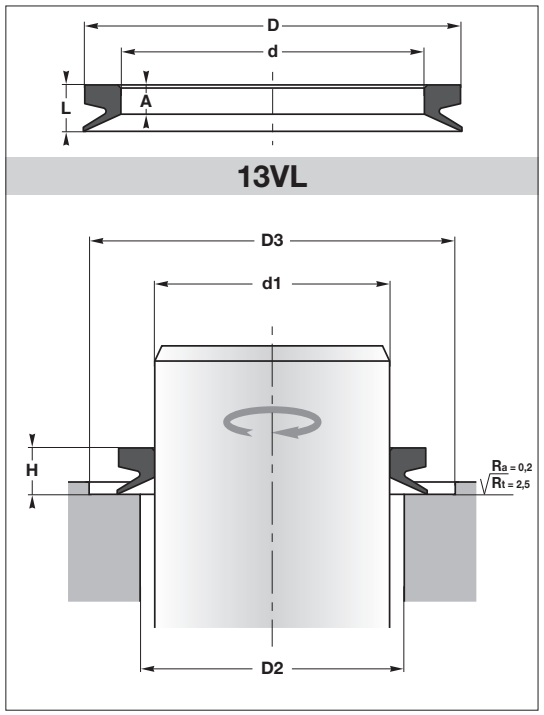
More information

On *www.hegetu.nl*, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d1	d	D	A	L	D2 max	D3 min	H	Reference
105-115	99	112	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 110**
115-125	108	121	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 120**
125-135	117	130	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 130**
135-145	126	139	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 140**
145-155	135	148	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 150**
155-165	144	157	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 160**
165-175	153	166	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 170**
175-185	162	175	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 180**
185-195	171	184	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 190**
195-210	182	195	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 200**
210-233	198	211	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 220**
233-260	225	238	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 250**
260-285	247	260	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 275**
285-310	270	283	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 300**
310-335	292	305	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 325**
335-365	315	328	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 350**
365-385	337	350	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 375**
385-410	360	373	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 400**
410-440	382	395	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 425**
440-475	405	418	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 450**
475-510	450	463	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 500**
510-540	472	485	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 525**
540-575	495	508	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 550**
575-625	540	553	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 600**
625-675	600	613	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 650**
675-710	630	643	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 700**
710-740	670	683	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 725**
740-775	705	718	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 750**
775-825	745	758	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 800**
825-875	785	798	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 850**
875-925	825	838	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 900**
925-975	865	878	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 950**
975-1025	910	923	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1000**
1035-1075	955	968	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1050**
1075-1125	1000	1013	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1100**
1125-1175	1045	1058	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1150**
1175-1225	1090	1103	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1200**
1225-1275	1135	1148	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1250**
1275-1325	1180	1193	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1300**

For special requirements (fluid, temperature, pressure, speed...) or applications approaching maximum values, please contact us. Other materials available: **FPM**, **HNBR**, **TNBR**, **EPDM**...

13VL seals with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability: ***www.hegetu.nl***



13VL is an all-rubber face seal. It works as a front seal and is the perfect solution to prevent the introduction of dust, dirt or water into the system. It can also be used as a secondary seal to protect the primary seal.

The V-ring is **self-retaining** on the shaft. The sealing lip is flexible and applies a low contact pressure against the counter face, sufficient to maintain the sealing function. The profile L has a narrow axial cross section suitable for compact arrangements.

Operating conditions see page 8

Pressure	none
Temperature	-30°C to 100°C
Speed	≤ 10 m/s
Media	watersplash, sand, dust, abrasive particles...

Materials see pages 10-19

Seal	NBR

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.

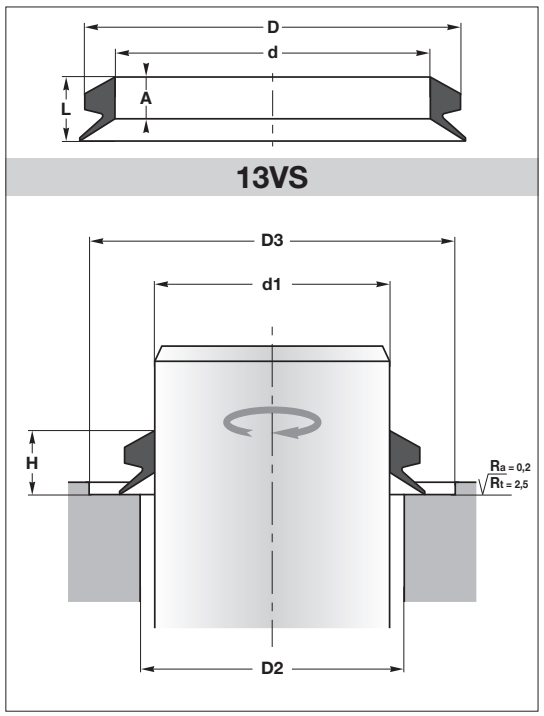
More information

On *www.hegetu.nl*, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d1	d	D	A	L	D2 max	D3 min	H	Reference
1325-1375	1225	1238	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1350**
1375-1425	1270	1283	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1400**
1425-1475	1315	1328	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1450**
1475-1525	1360	1373	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1500**
1525-1575	1405	1418	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1550**
1575-1625	1450	1463	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1600**
1625-1675	1495	1508	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1650**
1675-1725	1540	1553	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1700**
1725-1775	1585	1598	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1750**
1775-1825	1630	1643	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1800**
1825-1875	1675	1688	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1850**
1875-1925	1720	1733	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1900**
1925-1975	1765	1778	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 1950**
1975-2025	1810	1823	6	10,5	**d1** + 5	**d1** + 20	8+/-1,5	**13VL 2000**

For special requirements (fluid, temperature, pressure, speed...) or applications approaching maximum values, please contact us. Other materials available : **FPM**, **HNBR**, **TNBR**, **EPDM**...

13VL seals with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability : ***www.hegetu.nl***



13VS is an all-rubber face seal. It works as a front seal and is the perfect solution to prevent the introduction of dust, dirt or water into the system. It can also be used as a secondary seal to protect the primary seal.

The V-ring is **self-retaining** on the shaft. The sealing lip is flexible and applies a low contact pressure against the counter face, sufficient to maintain the sealing function. The profile S has a wider cross section for a better hold.

Operating conditions see page 8

Pressure	none
Temperature	-30°C to 100°C
Speed	≤ 10 m/s
Media	watersplash, sand, dust, abrasive particles...

Materials see pages 10-19

Seal	NBR

Assembly

V-ring has to be stretched regularly around the shaft

Advantages

Easy assembly
Low axial forces
Larger crosse section for a better hold

Please contact us for applications approaching maximum values.

More information

On *www.hegetu.nl*, click first on the reference and then on the material code to obtain the data sheet of the different materials.

d1	d	D	A	L	D2 max	D3 min	H	Reference
4,5-5,5	4	8	3,9	5,2	6	1	4,5+/-0,4	**13VS 005**
5,5-6,5	5	9	3,9	5,2	6	1	4,5+/-0,4	**13VS 006**
6,5-8,0	6	10	3,9	5,2	6	1	4,5+/-0,4	**13VS 007**
8,0-9,5	7	11	3,9	3,7	6	1	4,5+/-0,4	**13VS 008**
9,5-11,5	9	15	5,6	7,7	9	1	6,7+/-0,6	**13VS 010**
11,5-13,5	10,5	16,5	5,6	7,7	9	1	6,7+/-0,6	**13VS 012**
13,5-15,5	12,5	18,5	5,6	7,7	9	1	6,7+/-0,6	**13VS 014**
15,5-17,5	14	20	5,6	7,7	9	1	6,7+/-0,6	**13VS 016**
17,5-19	16	22	5,6	7,7	9	1	6,7+/-0,6	**13VS 018**
19-21	18	26	7,9	10,5	12	2	9,0+/-0,8	**13VS 020**
21-24	20	28	7,9	10,5	12	2	9,0+/-0,8	**13VS 022**
24-27	22	30	7,9	10,5	12	2	9,0+/-0,8	**13VS 025**
27-29	25	33	7,9	10,5	12	2	9,0+/-0,8	**13VS 028**
29-31	27	35	7,9	10,5	12	2	9,0+/-0,8	**13VS 030**
31-33	29	37	7,9	10,5	12	2	9,0+/-0,8	**13VS 032**
33-36	31	39	7,9	10,5	12	2	9,0+/-0,8	**13VS 035**
36-38	34	42	7,9	10,5	12	2	9,0+/-0,8	**13VS 038**
38-43	36	46	9,5	13	15	2	11,0+/-1,0	**13VS 040**
43-48	40	50	9,5	13	15	2	11,0+/-1,0	**13VS 045**
48-53	45	55	9,5	13	15	2	11,0+/-1,0	**13VS 050**
53-58	49	59	9,5	13	15	2	11,0+/-1,0	**13VS 055**
58-63	54	64	9,5	13	15	2	11,0+/-1,0	**13VS 060**
63-68	58	68	9,5	13	15	2	11,0+/-1,0	**13VS 065**
68-73	63	75	11,3	15,5	18	3	13,5+/-1,2	**13VS 070**
73-78	67	79	11,3	15,5	18	3	13,5+/-1,2	**13VS 075**
78-83	72	84	11,3	15,5	18	3	13,5+/-1,2	**13VS 080**
83-88	76	88	11,3	15,5	18	3	13,5+/-1,2	**13VS 085**
88-93	81	93	11,3	15,5	18	3	13,5+/-1,2	**13VS 090**
93-98	85	97	11,3	15,5	18	3	13,5+/-1,2	**13VS 095**
98-105	90	102	11,3	15,5	18	3	13,5+/-1,2	**13VS 100**
105-115	99	113	13,1	18	21	4	15,5+/-1,5	**13VS 110**
115-125	108	122	13,1	18	21	4	15,5+/-1,5	**13VS 120**
125-135	117	131	13,1	18	21	4	15,5+/-1,5	**13VS 130**
135-145	126	140	13,1	18	21	4	15,5+/-1,5	**13VS 140**
145-155	135	149	13,1	18	21	4	15,5+/-1,5	**13VS 150**
155-165	144	160	15	20,5	24	4	18,0+/-1,8	**13VS 160**
165-175	153	169	15	20,5	24	4	18,0+/-1,8	**13VS 170**
175-185	162	178	15	20,5	24	4	18,0+/-1,8	**13VS 180**
185-195	171	187	15	20,5	24	4	18,0+/-1,8	**13VS 190**
195-210	180	196	15	20,5	24	4	18,0+/-1,8	**13VS 199**

For special requirements (fluid, temperature, pressure, speed...) or applications approaching maximum values, please contact us. Other materials available: **FPM**, **HNBR**, **TNBR**, **EPDM**...

13VS seals with diameters between 20 and 1500 mm can be manufactured within short delivery time. For prices and availability: ***www.hegetu.nl***