



**Technical features**

- Single seal
- Single spring
- Unbalanced
- Bi-directional
- Elastomer bellows
- To DIN 24960

**Operating limits**

P = 580 PSI  
T = -95 to 320°F  
V = 49 ft/s

Description	Materials
Primary rings	silicon carbide, carbon graphite, tungsten carbide
Mating rings	silicon carbide, ceramic, tungsten carbide
Secondary seals	NBR, EPDM, Viton
Metal parts	Stainless 304 / Stainless 316*

\*upon request

**Mating rings**

- ES1 (to DIN 24960)

d	MD		ES1	
	D	L	D1	L1
14	24	23.0	25.0	12.0
16	26	23.0	27.0	12.0
18	32	24.0	33.0	13.5
20	34	24.0	35.0	13.5
22	36	24.0	37.0	13.5
24	38	26.7	39.0	13.5
25	39	27.0	40.0	13.0
28	42	30.0	43.0	12.5
30	44	30.5	45.0	12.0
32	46	30.5	48.0	12.0
33	47	30.5	48.0	12.0
35	49	30.5	50.0	12.0
38	54	32.0	56.0	13.0
40	56	32.0	58.0	13.0
43	59	32.0	61.0	13.0
45	61	32.0	63.0	13.0
48	64	32.0	66.0	13.0
50	66	34.0	70.0	13.5
53	69	34.0	73.0	13.5
55	71	34.0	75.0	13.5
58	78	39.0	78.0	13.5
60	80	39.0	80.0	13.5
63	83	39.0	83.0	13.5
65	85	39.0	85.0	13.5
68	88	39.0	90.0	13.5
70	90	45.5	92.0	14.5
75	95	45.5	97.0	14.5
80	104	45.0	105.0	15.0
85	109	45.0	110.0	15.0
90	110	50.0	115.0	15.0
95	119	50.0	120.0	15.0
100	124	50.0	125.0	15.0