



### Product Description

1. Balanced
2. Dual seals in tandem as well as back-to-back arrangements also available
3. Independent of direction of rotation
4. Single seal
5. Stationary springs

### Technical Features

1. Adjusts to shaft movements because of the stationary design
2. Balanced seal even with plain shafts
3. No damage of the shaft by a dynamically loaded O-Ring
4. Operation in vacuum without additional seat locking possible
5. Safe operation
6. Small installation sizes
7. Spring unit isolated from the product so no sticking and clogging of the springs
8. Suitable for pressure reversals
9. Suitable for solid containing and abrasive media

d1	d3	d6	d7	d8	d10	l1k	l3	l5	l6	f	mx
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
18	33	27	33	3	34.7	37.5	19.5	2.0	5	3.0	4
20	35	29	35	3	36.7	37.5	19.5	2.0	5	3.0	4
22	37	31	37	3	38.7	37.5	19.5	2.0	5	3.0	4
24	39	33	39	3	40.7	40.0	20.5	2.0	5	3.5	5
25	40	34	40	3	41.7	40.0	20.5	2.0	5	3.5	5
28	43	37	43	3	44.7	42.5	21.5	2.0	5	3.5	5
30	45	39	45	3	46.7	42.5	21.5	2.0	5	3.5	5
32	48	42	48	3	49.7	42.5	21.5	2.0	5	3.5	5
33	48	42	48	3	49.7	42.5	21.5	2.0	5	3.5	5
35	50	44	50	3	51.7	42.5	21.5	2.0	5	3.5	5
38	56	49	56	4	57.7	45.0	24.0	2.0	6	4.0	6
40	58	51	58	4	59.7	45.0	24.0	2.0	6	4.0	6
43	61	54	61	4	62.7	45.0	24.0	2.0	6	4.0	6
45	63	56	63	4	64.7	45.0	24.0	2.0	6	4.0	6
48	66	59	66	4	67.7	45.0	24.0	2.0	6	4.0	6
50	70	62	70	4	71.7	47.5	25.0	2.5	6	4.0	6
53	73	65	73	4	74.7	47.5	25.0	2.5	6	4.0	6
55	75	67	75	4	76.7	47.5	25.0	2.5	6	4.0	6
58	78	70	78	4	80.5	52.5	28.0	2.5	6	4.0	6
60	80	72	80	4	82.5	52.5	28.0	2.5	6	4.0	6
63	83	75	83	4	85.5	52.5	28.0	2.5	6	4.0	6
65	85	77	85	4	87.5	52.5	28.0	2.5	6	4.0	6
68	90	81	90	4	92.5	52.5	28.0	2.5	7	4.0	6
70	92	83	92	4	94.5	60.0	34.0	2.5	7	6.0	8
75	97	88	97	4	100.5	60.0	34.0	2.5	7	6.0	8
80	105	95	105	4	108.5	60.0	34.0	3.0	7	6.0	8
85	110	100	110	4	113.5	60.0	34.0	3.0	7	6.0	8
90	115	105	115	4	118.5	65.0	39.0	3.0	7	10.0	8
95	120	110	120	4	123.5	65.0	39.0	3.0	7	10.0	8
100	125	115	125	4	128.5	65.0	39.0	3.0	7	10.0	8

### Typical Industrial Applications

Chemical industry  
 Dirty, abrasive and solid containing media  
 Fugitive hydrocarbons  
 Sticky and stringy media  
 Refining technology  
 Water and waste water technology  
 Chemical standard pumps  
 Sewage pumps

### Performance Capabilities

Sizes: d = Upto 100 mm (Upto 4.000")  
 Pressure: p1\*) = 25 bar (363 PSI)  
 Temperature: t = -40°C ... +220°C (-40°F ... 428°F)  
 Speed = 20 m/s (66 ft/s)  
 Permissible axial movement: ± 1.0 mm

### Materials

Seal face: Carbon graphite resin impregnated (B), Silicon carbide (Q1)  
 Seat: Silicon carbide (Q1)  
 Secondary seal: FKM (V), NBR (P), FFKM (K), PTFE (T)  
 Springs: Hastelloy® C-4 (M)  
 Metal parts: CrNiMo steel (G)

### Standards

EN 12756

Serie BB8SK