SBRN



Description

Balanced

Dual seals in tandem as well as back-toback arrangements also available Independent of direction of rotation Single seal

Stationary springs

Technical Features
Adjusts to shaft movements because of the stationary design

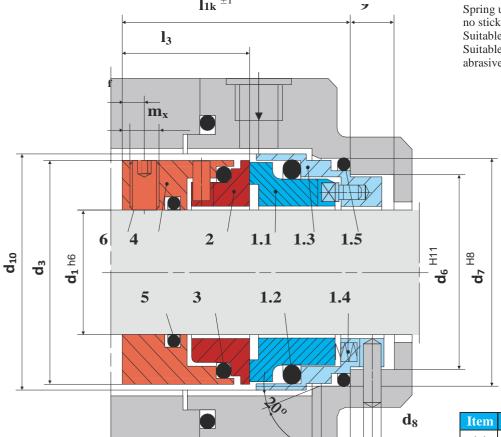
Balanced seal even with plain shafts No damage of the shaft by a dynamically loaded O-Ring

Operation in vacuum without additional seat locking possible

Safe operation

Small installation sizes

Spring unit isolated from the product so no sticking and clogging of the springs Suitable for pressure reversals Suitable for solid containing and abrasive media



Item	Part no.	Description							
1.1	472	Seal face							
1.2	412.1	O-Ring							
1.3	485	Retainer							
1.4	477	Spring							
1.5	412.2	O-Ring							
2	475	Seat							
3	412.3	O-Ring							
4	485	Drive collar							
5	412.4	O-Ring							
6	904	Set screw							
DIN 24250									

l6

5

l5

Typical Industrial Applications

Chemical industry
Dirty, abrasive and solid containing media
Fugitive hydrocarbons
Refining technology
Sticky and stringy media
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 seals: FKM (V), NBR (P),

FFKM (K), PTFE (T)

Springs: Hastelloy® C-4 (M) Metal parts: CrNiMo steel (G)

Dimensional Data												
Dimensions in millimeter												
d1	d3	d6	d7	d8	d ₁₀	I _{1k}	I_3	I_5	\mathbf{I}_6	f	m _x	
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	

inch size available from size 0.750 to 4.000

Note: Additional technical & dimensional information will be provided on request.