

SAFEBELLOW SBE

Dimensions are based on DIN24960 standard.

DESIGN AND CONSTRUCTION FEATURES

- Flexible metal bellows construction prevents seal hang-up due to solids, dirt, oxidation or polymerization of sealing liquids
- No shaft fretting O-rings that could hang-up the seal
- Centrifugal forces will keep the rotating bellow seal clean
- Patented seal face heat shrink fit method guarantees the seal face flatness up to 200 °C (390 °F)

TYPICAL APPLICATIONS

- Different types of water pumps e.g. raw water, hot water and condensate pumps
- Chemical pumps
- Uncoated hydrocarbon pumps
- Heat transfer liquids

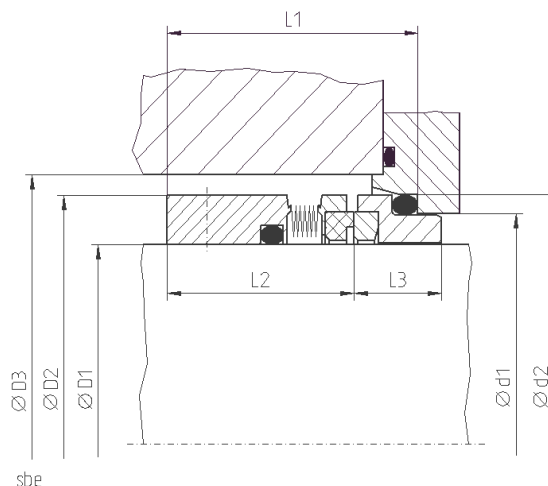
D ₁	D ₂	D ₃	Installation Dimensions			Thrust ring dimensions	
			L ₁	L ₂	L ₃	d ₁	d ₂
20	34.5	36	37.5	29.3	14.2	29	35
22	36.4	38	37.5	29.3	14.2	31	37
24	38.5	40	40.0	30.7	15.8	33	39
25	39.6	41	40.0	30.7	15.8	34	40
28	42.8	44	42.5	32.5	16.6	37	43
30	44.4	46	42.5	32.5	16.6	39	45
32	47.1	48	42.5	32.5	16.6	42	48
33	47.6	48	42.5	32.5	16.6	42	48
35	49.2	51	42.5	32.5	16.6	44	50
38	55.6	58	45.0	34.0	17.8	49	56
40	57.0	60	45.0	34.0	17.8	51	58
43	58.7	63	45.0	34.0	17.8	54	61
45	62.0	65	45.0	34.0	17.8	56	63
48	64.0	68	45.0	34.0	17.8	59	66
50	67.0	70	47.5	34.5	19.3	62	70
53	68.2	73	47.5	34.5	19.3	65	73
55	71.4	75	47.5	34.5	19.3	67	75
58	74.5	83	52.5	39.5	20.0	70	78
60	79.5	85	52.5	39.5	20.0	72	80
63	80.9	88	52.5	39.5	20.0	75	83
65	84.0	90	52.5	39.5	20.0	77	85
68	87.2	93	52.5	32.2	22.0	81	90
70	91.0	95	60.0	44.7	22.5	83	92
75	94.0	104	60.0	44.7	22.5	88	97
80	102.0	109	60.0	44.3	23.0	95	105
85	107.0	114	60.0	44.3	23.0	100	110
90	112.0	119	65.0	49.3	23.0	105	115
95	117.0	124	65.0	49.3	23.0	110	120
100	122.0	129	65.0	49.3	23.0	115	125
105	127.0	134	65.0	49.3	23.0	120	130
110	132.0	139	67.5	50.0	24.0	125	135

TECHNICAL SPECIFICATION

p_{max} 25 bar (2.5 Mpa, 350 psi)
 T_{max} -30...+200 °C (-85...390 °F)
 V_{max} 25 m/s (SiC/C) (75 ft/s)
 15 m/s (SiC/WC) (45 ft/s)

MATERIALS

Seal faces Chrom, SiC, Carbon
 O-rings Viton, EPDM, FEP
 Metallurgy AISI 329 (1.4460)
 AISI 316 (1.4436)
 Bellows Carpenter 20



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