



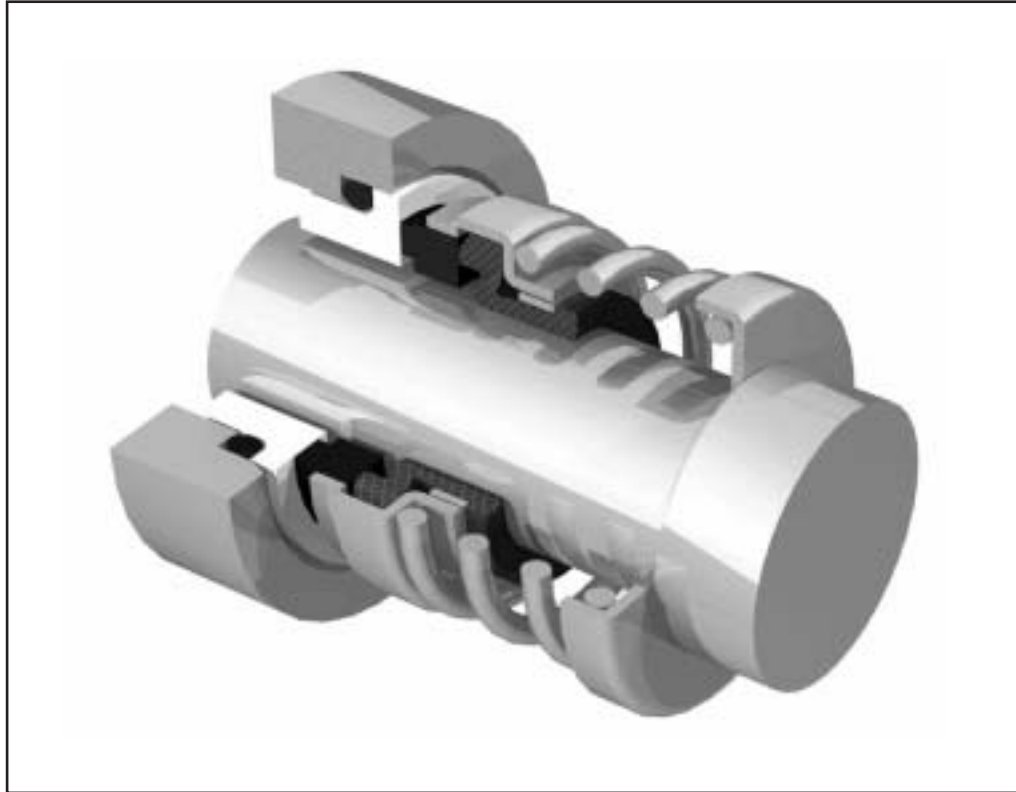
TYPE 43

Elastomer Bellows Seal

TYPE 43

Industries Served

Chemical Processing
Conveyor and Industrial Equipment
Cryogenics
Food Processing
Gas Compression
Industrial Blowers and Fans
Marine
Mixers and Agitators
Nuclear Service
Offshore
Oil and Refinery
Paint and Ink
Petrochemical Processing
Pharmaceutical
Pipeline
Power Generation
Pulp and Paper
Water Systems
Wastewater Treatment
Water Desalination



Uncomplicated Design

The uncomplicated design of the Type 43 eliminates the sliding action between the seal and the shaft. This not only prevents the shaft from being damaged by fretting, but also enables it to readily follow shaft run-out or pump misalignment.

Versatility

The Type 43 has been designed for high volume production and reliable service. The design offers a unit with a very high degree of interchangeability. It fits into almost all existing envelope dimensions, including DIN 24960, without any modification to the equipment.

The Type 43 offers an overall concept of standardization irrespective of the cavity that the original equipment was designed around.

Simple Assembly & Operation

The friction ring is made of rubber and is squeezed onto the shaft by the band. During the initial stages of fitting, the inside diameter of the friction ring is lubricated so that it will slide along the shaft. Once the fitting has been completed, the lubricant is squeezed out and the rubber will quickly grip the shaft, locking the part in place.

The spring merely provides axial load, therefore the seal can be rotated in either direction. Any movement that the seal is required to make during operation is accommodated by the rubber friction ring. The spring and system pressure will ensure that the faces remain in contact. Drive to the face is transmitted by drive lugs in the band and shell.

No Wear On The Shaft

The friction ring, which also forms the rubber bellows, flexes to accommodate shaft movement, face wear and any inaccuracies in the equipment that is using the Type 43.

The friction ring will adhere to the shaft beneath the band, giving an excellent static seal and very positive drive to the seal face via the band. Because there is no relative movement between the friction ring and the shaft, there is no shaft fretting, and the seal can react quickly to any movement.



TYPE 43

Elastomer Bellows Seal

Part Numbering

1 Seal Style
A 43 CE Long
B 43 CE Short
C 43 BE
E 43 DIN

2 Seal Elastomer
D E.P.T
F Fluorocarbon
N Nitrile
V Neoprene 1 (099)

3 Seal Face
C Carbon
S Silicon Carbide

Standard Seal Range
Sealol Type 43

043-XXX-XXX-XXX

4 Seat Materials
A Ceramic 96%
R Ni-Resist
S Silicon Carbide
W 316 Stainless Steel

6 Seat Elastomer
D E.P.T
F Fluorocarbon
N Nitrile
V Neoprene 1 (099)

5 Seat Style
A 013 CU
E 013 CE
H 011 DIN Short
J 011 BE
K 013 DIN
L 011 DIN Long

7, 8, 9 Seal Code			
SIZE	CODE	SIZE	CODE
0.375	x06	45mm	045
10mm	010	1.875	030
12mm	012	50mm	050
0.500	x08	2.000	x32
13mm	013	53mm	053
14mm	014	2.125	x34
15mm	015	55mm	055
0.625	x10	2.250	x36
16mm	016	60mm	060
18mm	018	2.375	x38
0.750	x12	2.500	x40
20mm	020	65mm	065
0.875	x14	2.625	x42
22mm	022	2.750	x44
24mm	024	70mm	070
25mm	025	2.875	x46
1.000	x16	75mm	075
28mm	028	3.000	x48
1.125	x18		
30mm	030		
1.250	x20		
32mm	032		
33mm	033		
1.375	x22		
35mm	035		
38mm	038		
1.500	x24		
40mm	040		
1.625	x26		
41mm	041		
42mm	042		
43mm	043		
1.750	x28		

STYLE	STATIONARY	ROTATING
43 CE LONG		
43 CE SHORT		
43 BE		
43 DIN		



TYPE 43

Elastomer Bellows Seal

Materials of Construction

Seal Faces:	Carbon, Sealide™
Seats:	Aluminium Oxide, Ni-Resist, Stainless Steel, Silicon Carbide
Elastomers:	Nitrile, Ethylene Polypropylene, Viton®, and Neoprene
All Seal Metal Parts:	Stainless Steel 316, Band (Sintered 316)

Performance Capabilities

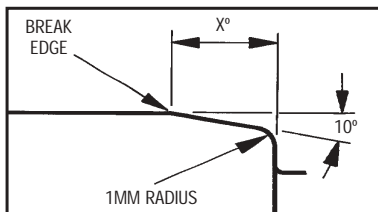
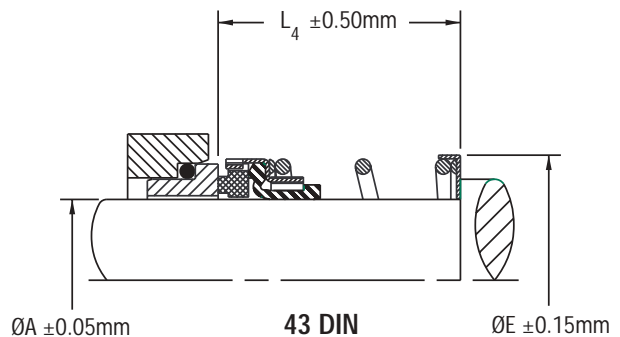
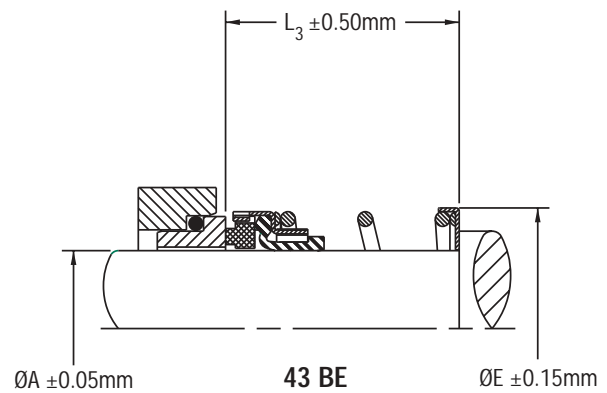
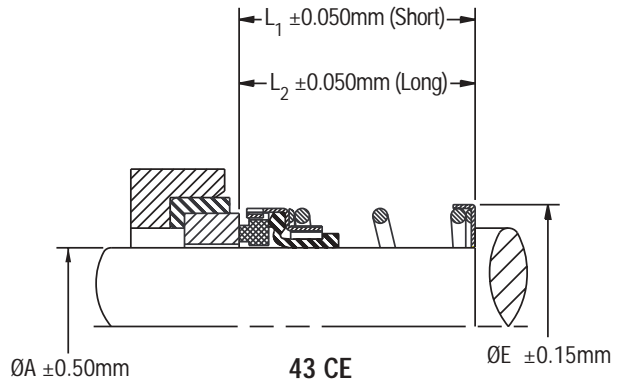
Temperature:	-40°C to + 150°C (-40°F to 300°F)
Pressure:	to 22 bar (325 psi)



TYPE 43

Elastomer Bellows Seal

Shaft Size mm	Seal O. D. E	Operating Length			
		43 CE L1	L2	43 BE L3	43 DIN L4
10	20.05	25.00	44.00	16.00	23.90
12	21.70	25.00	44.00	16.50	23.90
13	23.80	25.00	44.00	-	-
14	24.50	25.00	44.00	16.50	26.40
16	26.65	25.00	44.00	17.60	26.40
18	30.35	25.00	44.00	19.60	27.50
20	31.75	25.00	44.00	20.60	27.50
22	33.55	25.00	44.00	22.10	27.50
24	38.30	25.00	44.00	23.60	30.00
25	38.30	25.00	44.00	25.10	30.00
28	42.20	33.00	60.00	26.60	32.50
30	43.95	33.00	60.00	26.60	32.50
32	45.70	33.00	60.00	30.10	32.50
33	49.10	33.00	60.00	-	32.50
35	49.10	33.00	60.00	30.40	32.50
38	52.40	33.00	60.00	33.60	34.00
40	55.70	32.30	59.30	36.60	34.00
42	61.20	40.30	70.30	-	-
43	61.20	40.30	70.30	-	34.00
45	61.20	40.30	70.30	41.40	34.00
48	64.35	40.30	70.30	46.90	34.00
50	67.35	41.00	71.00	47.90	34.50
53	70.65	41.00	71.00	52.80	34.50
55	71.65	41.00	71.00	55.80	34.50
58	78.40	41.00	71.00	-	39.50
60	78.40	41.00	71.00	56.80	39.50
63	81.10	41.00	71.00	-	39.50
65	84.30	49.00	70.00	57.80	39.50
68	89.65	49.00	70.00	59.50	37.20
70	89.65	49.00	70.00	59.80	44.70
75	96.80	52.00	73.00	60.80	44.70



For ease of installation, the lead-in edge of the shaft or sleeve should be chamfered as shown.

*Recommended chamfer lengths:

Seal Sizes	X
up to 1.000 in./26mm	- 5.0mm
above 1.000 in. to 2.500 in./ 26mm to 60mm	- 6.5mm
above 2.500 in./60mm	- 8.0mm



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