SINGLE-SPRING ELASTOMER BELLOWS SEAL

General Purpose, Rotating Single Spring

The **Flexaseal Type C**, an unbalanced general purpose seal, is an industry standard across many OEM equipment throughout the world. It serves well in a broad range of applications and provides a cost-effective sealing option.

The static seal between the elastomer bellows and the shaft coupled with the free movement of the bellows prevents sliding action and shaft damage from fretting.

- Automatic compensation for normal shaft run-out and axial movements
- Unbalanced design
- Non-clogging single-spring
- Bi-directional rotation
- Can be applied with nearly any type of mating ring
- Equivalent* to John Crane Type 21/521, Pac-seal Type 21/31, US Seal Type C

* Flexaseal Engineered Seals and Systems, LLC supplies replacement seals to fit a wide range of OEM equipment. Any use of other manufacturer names, marks, or model numbers is for reference only.

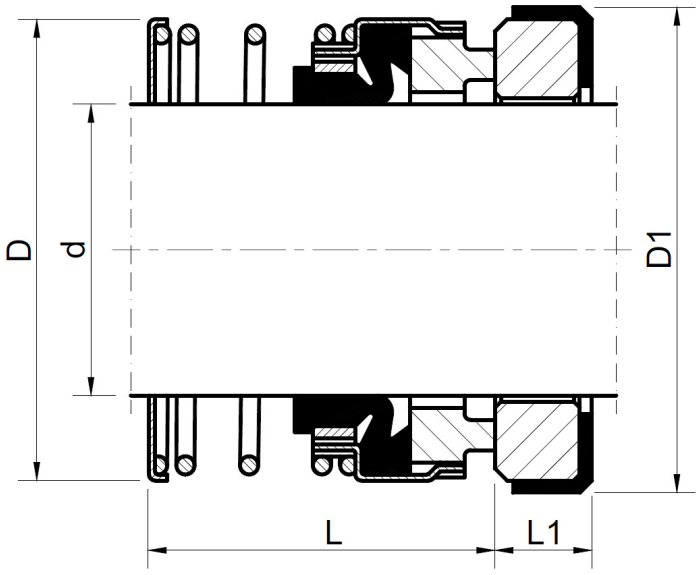
MATERIALS OF CONSTRUCTION

Standard Metallurgy	304 SS, 316 SS, 18-8 Stainless
Seal Faces	Carbon graphic (resign impregnated), Silicon Carbide, Tungsten Carbide
Stationary Seats	Alumina ceramic, Ni-resist, Silicon Carbide, Tungsten Carbide
Bellows	Neoprene, NBR, FKM, EPDM
Secondary Seal	Neoprene, NBR, FKM, EPDM

OPERATING PARAMETERS

Max Temp	-40°F to 400°F (-40°C to 205°C)
Max Pressure	150 psi (11 bar)
Max Speed	2500 FPM (13 m/s)

Max Temperature / pressure / speed indicate operating extremes independently and do not imply the seal will function at these extremes at the same time. Contact Flexaseal if in doubt.



TYPE C (US STANDARD), DIMENSION IN INCHES

d	D	D1	L	L1
0.375	0.812	0.875	0.812	0.284
0.500	0.937	1.000	0.812	0.312
0.625	1.062	1.250	0.875	0.406
0.750	1.187	1.375	0.875	0.406
0.875	1.312	1.500	0.937	0.406
1.000	1.687	1.625	1.000	0.437
1.125	1.812	1.750	1.062	0.437
1.250	1.937	1.875	1.062	0.437
1.375	2.062	2.000	1.125	0.437
1.500	2.187	2.125	1.125	0.437
1.625	2.500	2.375	1.375	0.500
1.750	2.625	2.500	1.375	0.500
1.875	2.750	2.625	1.500	0.500
2.000	2.875	2.750	1.500	0.500
2.125	3.000	3.000	1.687	0.562
2.250	3.125	3.125	1.687	0.562
2.375	3.250	3.250	1.812	0.562
2.500	3.343	3.375	1.812	0.562
2.625	3.500	3.375	1.937	0.625
2.750	3.750	3.500	1.937	0.625
2.875	3.875	3.750	2.062	0.625
3.000	4.000	3.875	2.062	0.625