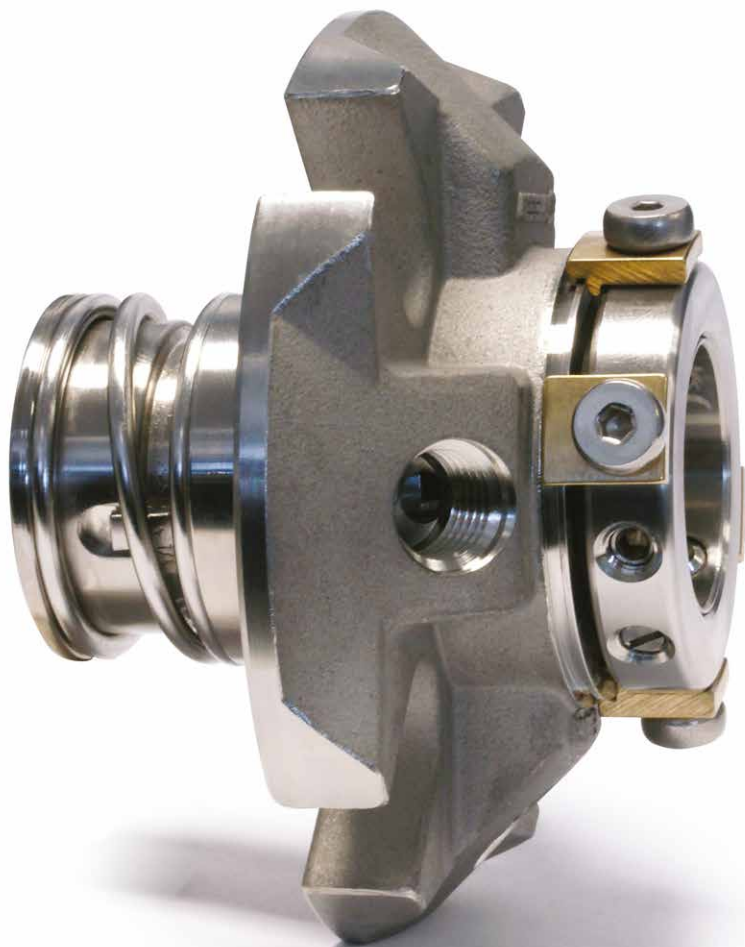


# TPOC™ / TPOE™

Single Spring Cartridge Seal



- Full cartridge seal
- Single spring design
- Optional external low pressure seal faces
- Available in a wide range of seal face and elastomer combinations

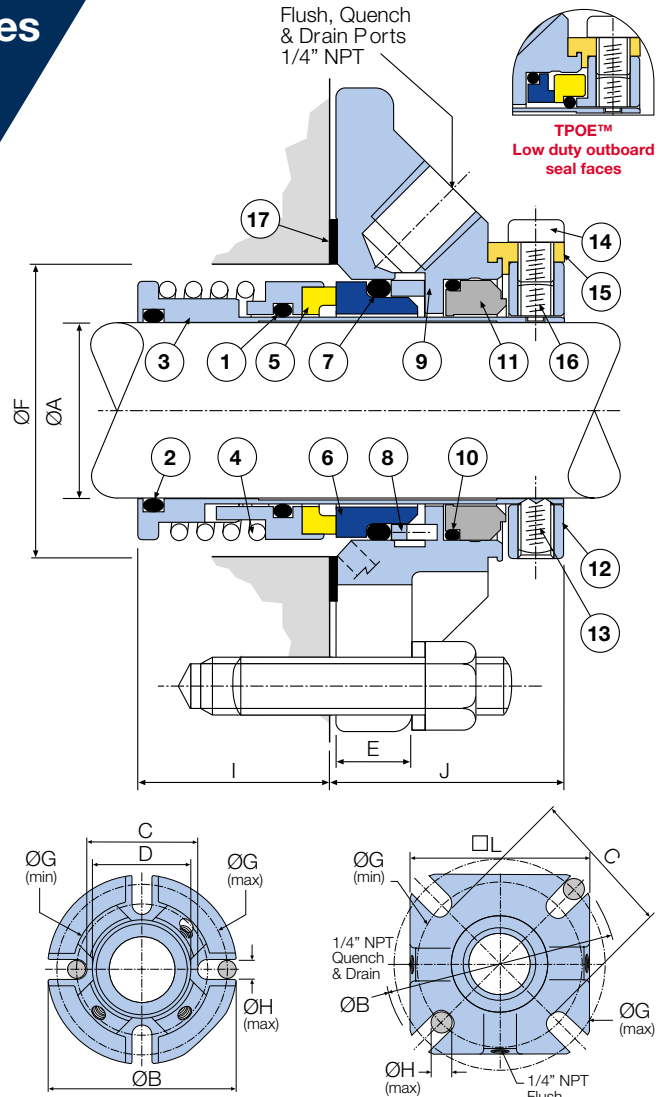
# TPOC™ / TPOE™ - design features

The AESSEAL® TPOC™ and TPOE™ seal range is specifically designed for applications which benefit from the use of unbalanced seal face technology.

This makes the seal design ideally suited for some applications in the Pulp & Paper, Slurry and other high viscous sealing industries. The seal design uses standard AESSEAL® modular technology, making the range both available and affordable.

### Other design features include:

- Non-clogging single-coil spring
- Positive mechanical drive
- Available in a wide range of seal face combinations including Carbon, TC and SiC
- Available in a wide range of elastomer combinations
- Factory assembled and tested
- Unbalanced rotary seal face
- Supplied as standard with an outboard restriction bush
- Offered with a low duty, outboard, modular seal face option (TPOE™)
- Offered as standard with flush, quench and drain environmental ports



## Dimensional information (inches)

### TPOC™ - Standard gland format

A	B	C	D	E	F min	F max	G min	G max	H max	I	J
1.125	4.250	2.250	2.063	0.519	1.750	2.062	2.812	3.687	0.500	1.300	1.590
1.375	4.375	2.500	2.312	0.519	2.000	2.250	3.062	3.812	0.500	1.300	1.590
1.750	5.500	3.187	2.812	0.644	2.500	2.750	3.750	4.937	0.500	1.500	1.752
1.875	5.500	3.187	2.812	0.644	2.625	2.875	3.750	4.937	0.500	1.562	1.752
2.125	6.000	3.562	3.063	0.644	2.875	3.125	4.125	5.437	0.500	1.625	1.752
2.500	7.000	4.312	3.812	0.769	3.375	3.625	5.000	6.312	0.625	1.750	1.877
2.625	7.000	4.312	3.812	0.769	3.500	3.750	5.000	6.312	0.625	1.750	1.877
2.750	7.000	4.312	3.812	0.769	3.625	3.875	5.000	6.312	0.625	1.750	1.877

### TPOC™ - ANSI+ (big bore) gland format

A	B	C	E	F min	F max	G min	G max	H max	I	J	L
1.125	5.000	3.188	1.000	2.625	2.850	3.750	4.250	0.500	1.300	1.565	3.990
1.375	5.375	3.438	1.000	2.875	3.100	4.000	4.625	0.500	1.300	1.565	4.240
1.750	6.750	4.438	0.644	3.500	4.100	5.000	6.000	0.500	1.500	1.690	5.480
1.875	6.750	4.438	0.644	3.625	4.100	5.000	6.000	0.500	1.562	1.690	5.480
2.125	7.625	4.688	0.644	3.875	4.225	5.375	6.687	0.625	1.625	1.690	6.230
2.500	8.250	5.438	0.644	4.500	5.100	6.125	7.312	0.625	1.750	1.890	6.730
2.625	8.250	5.438	0.644	4.625	5.100	6.125	7.312	0.625	1.750	1.890	6.730
2.750	8.250	5.438	0.644	4.625	5.100	6.125	7.312	0.625	1.750	1.890	6.730

Item	Description	Material
1	Rotary O Ring	AES-ELAST / EPR / FFKM / FKM / TFE/P
2	Sleeve O Ring	AES-ELAST / EPR / FFKM / FKM / TFE/P
3	Cartridge Sleeve	316L Stainless Steel
4	Spring (Single Coil)	Stainless Steel
5	Rotary Face	316L SS-Carbon / TC / SiC
6	Stationary Face	SiC / Ceramic / TC
7	Stationary O Ring	AES-ELAST / EPR / FFKM / FKM / TFE/P
8	Spacer Ring	316L Stainless Steel
9	Gland	316 Stainless Steel
10	Restriction Bush O Ring	AES-ELAST / EPR / FFKM / FKM / TFE/P
11	Restriction Bush	Carbon
12	Clamp Ring	316L Stainless Steel
13	Drive Screws	Stainless Steel
14	Clip Screws	Stainless Steel
15	Setting Clips	Brass
16	Anti-tamper Screws	Stainless Steel
17	Gasket	AF1 / PTFE

Please consult the AESSEAL® Technical Department for further information on this product.

Contact your nearest sales outlet to confirm product availability.



ENVIRONMENTAL TECHNOLOGY

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[www.aesseal.com](http://www.aesseal.com)

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For further information and safe operating limits contact our technical specialists at the locations below.



**AESSEAL plc is certified to:**

ISO 9001, ISO 14001, ISO/IEC 20000,  
ISO/IEC 27001, ISO/TS 29001, ISO 37001,  
ISO 45001 & ISO 50001

**Use double mechanical seals with hazardous products.** Always take safety precautions:

- Guard your equipment
- Wear protective clothing



**Containment Seals (2CW-CS or 2NC-CS)**

Monitoring the containment seal's (CS) integrity is important. Review the guidance to understand risks, apply best practices & ensure safe, reliable operation.

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