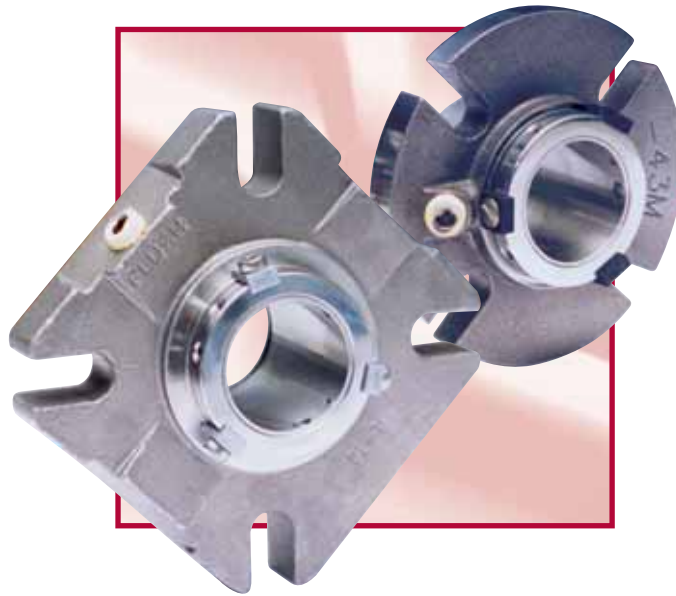




## SEH1<sup>™</sup> / SEA2<sup>™</sup> Single Exotic Alloy Mechanical Seal with Flush



- SOLID EXOTIC ALLOY CARTRIDGE SEAL RANGE OFFERED IN ALLOY 20 OR ALLOY 276
- SOLID EXOTIC ALLOY GLAND WITH INTEGRAL FLUSH
- CARTRIDGE DESIGNS FACTORY ASSEMBLED AND TESTED

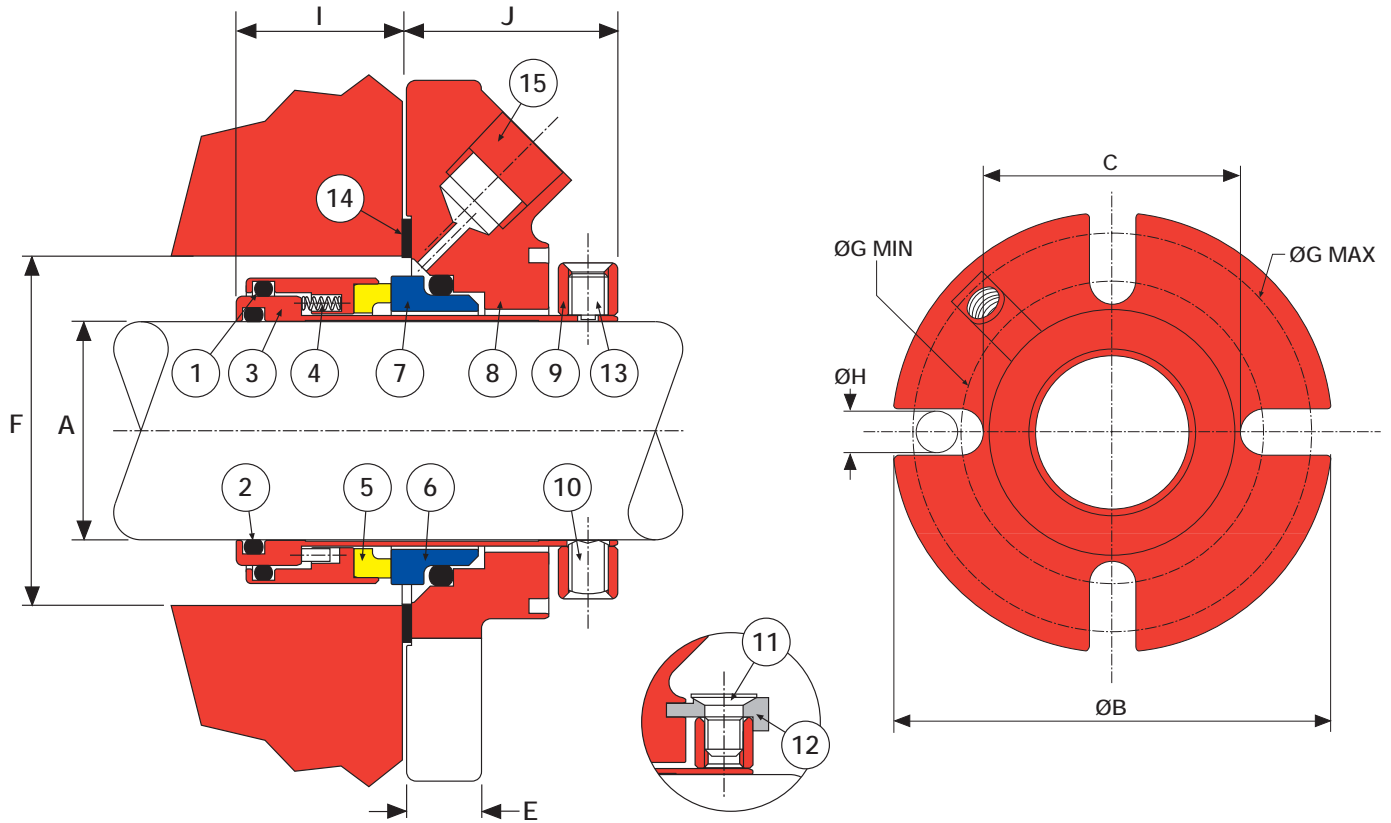
# Standard Box Bore Single Mechanical Seal

## SEA2™ / SEH1™ Standard / ANSI Box Bore

The SEA2™ and SEH1™ range of cartridge mechanical seals are specifically designed for the Chemical Industry.

This exotic alloy seal range, offered in Standard and ANSI+ gland configurations, are offered in solid Alloy 20 and Alloy 276 materials.

This inventoried seal range is therefore an ideal solution for some chemical applications, which require a single seal with process fluid flush.



SEA2™ / SEH1™ Standard & ANSI+ Parts List

Item	Description	Material - SEA2™	Material - SEH1™
1	Rotary O Ring	Viton® / EPR / Kalrez® / Aflas®	Viton® / EPR / Kalrez® / Aflas®
2	Sleeve O Ring	Viton® / EPR / Kalrez® / Aflas®	Viton® / EPR / Kalrez® / Aflas®
3	Sleeve	Alloy 20	Alloy 276
4	Springs	Alloy 276	Alloy 276
5	Rotary Face	Alloy 20 - Carbon / TC / SiC	Alloy 276 - Carbon / TC / SiC
6	Stationary Face	TC / Ceramic / SiC	TC / Ceramic / SiC
7	Stationary O Ring	Viton® / EPR / Kalrez® / Aflas®	Viton® / EPR / Kalrez® / Aflas®
8	Gland	Alloy 20	Alloy 276
9	Clamp Ring	Alloy 20	Alloy 276
10	Drive Screws	Alloy 20	Alloy 276
11	Clip Screws	Stainless Steel	Stainless Steel
12	Setting Clips	Hard Plastic	Brass
13	Anti-tamper Screws	Stainless Steel	Stainless Steel
14	Gasket	AF1 / GFT	AF1 / GFT
15	1/4" NPT Port Plug	Alloy 20	Alloy 276

Standard SEA2™ / SEH1™ - Dimensional Information (inches)

A	B	C	E	F Min	F Min <sup>1</sup>	F Max	G Min	G Max	H Max	I	J	K Max
1.125	4.250	2.312	0.492	1.750	1.790	2.062	2.875	3.750	1/2	1.055	1.354	0.040
1.375	4.375	2.625	0.492	2.000	2.040	2.250	3.125	3.875	1/2	1.055	1.354	0.040
1.750	5.250	3.000	0.644	2.500	2.540	2.625	3.562	4.750	1/2	1.090	1.393	0.040
1.875	5.500	3.312	0.644	2.625	2.665	3.000	3.875	5.000	1/2	1.090	1.393	0.040
2.125	5.750	3.687	0.644	2.875	2.915	3.312	4.375	5.125	5/8	1.150	1.413	0.040
2.500	6.250	4.187	0.644	3.375	3.435	3.687	4.875	5.625	5/8	1.199	1.413	0.060
2.625	6.250	4.187	0.644	3.500	3.560	3.750	4.875	5.625	5/8	1.199	1.413	0.060

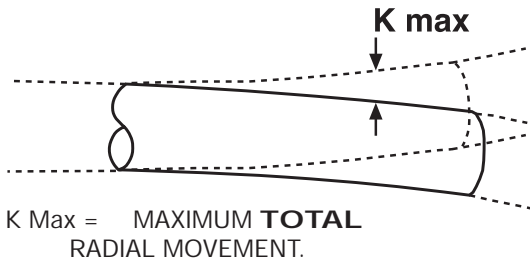
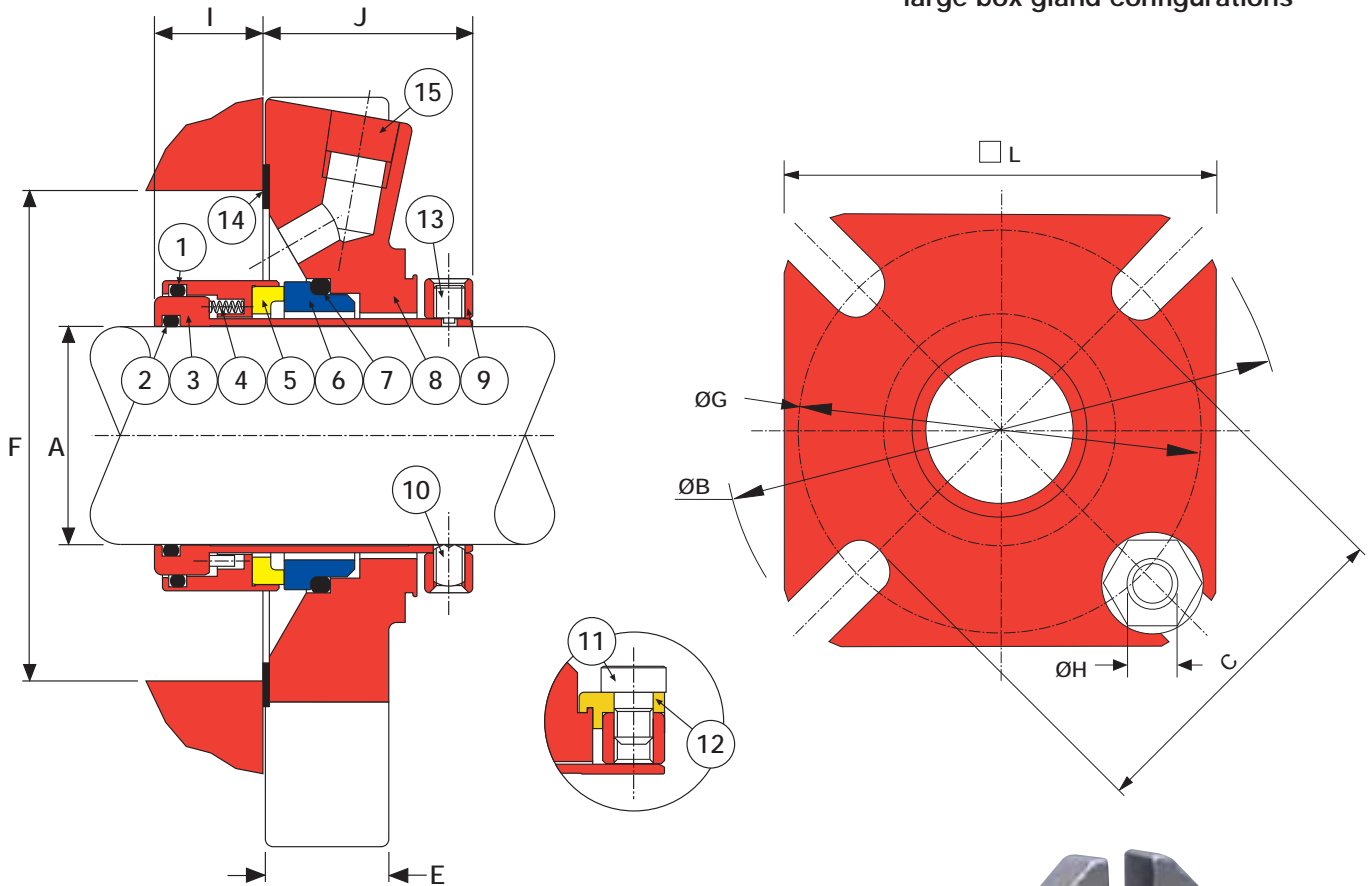
Minimum bolt circle based on bolt size shown.

<sup>1</sup> = F Min + K Max

# Large / ANSI+ Box Bore Single Mechanical Seal

## SEA2™ / SEH1™ ANSI+ / Large Box Bore

- Single cartridge seal with Alloy 20 or Alloy 276 components
- Balanced seal faces
- Springs out of the product
- Offered in standard box and large box gland configurations



ANSI+ SEA2™ / SEH1™ - Dimensional Information (inches)

A	B	C	E	F Min	F Max	G Min	G Max	H Max	I	J	K Max	□ L
1.125	5.000	3.188	1.000	2.625	2.850	3.750	4.250	0.500	0.805	1.604	0.040	3.990
1.375	5.375	3.438	1.000	2.875	3.100	4.000	4.625	0.500	0.981	1.429	0.040	4.240
1.750	6.750	4.438	0.644	3.500	4.100	5.000	6.000	0.500	0.842	1.640	0.040	5.480
1.875	6.750	4.438	0.644	3.625	4.100	5.000	6.000	0.500	0.847	1.640	0.040	5.480
2.125	7.625	4.688	0.644	3.875	4.225	5.375	6.687	0.625	0.920	1.640	0.040	6.230
2.500	8.250	5.438	0.644	4.500	5.100	6.125	7.312	0.625	0.755	1.857	0.060	6.730
2.625	8.250	5.438	0.644	4.625	5.100	6.125	7.312	0.625	0.755	1.857	0.060	6.730

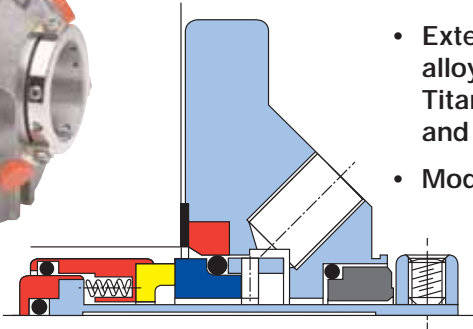
Minimum bolt circle based on bolt size shown.

# Other Cartridge Seals for the Chemical Industry

**AESSEAL® offer a wide range of products for the chemical and associated industries. Some of these innovative products are shown below.**

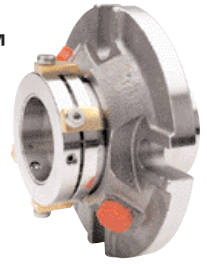
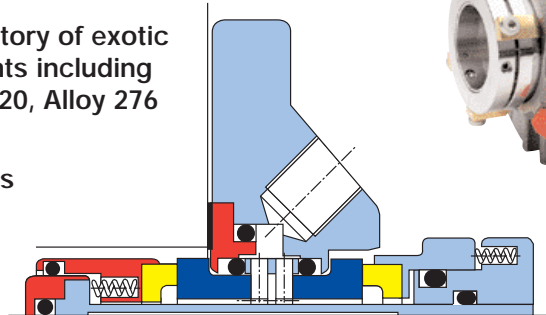


**Bi-Metal CURC™**



- Extensive inventory of exotic alloy components including Titanium, Alloy 20, Alloy 276 and Alloy 400
- Modular designs

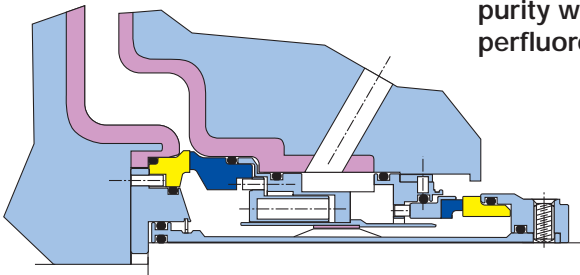
**Bi-Metal CDSA™**



World leading patented technology in exotic alloy wetted mechanical seals.

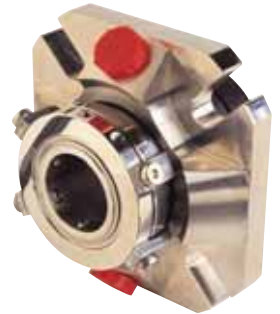
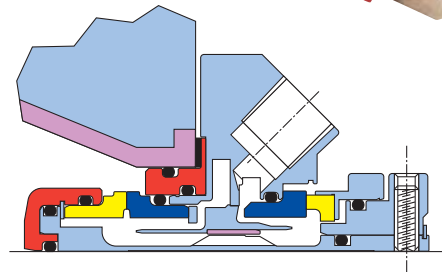


**LSEAL™**



- Mechanical seals inventoried for P.F.A. lined and other non-metallic pumps
- Cartridge design for reliable installation
- Optional high purity wetted perfluoroelastomers

**FI-DSNM™**



THIS DOCUMENT IS DESIGNED TO PROVIDE DIMENSIONAL INFORMATION AND AN INDICATION OF AVAILABILITY. FOR FURTHER INFORMATION AND SAFE OPERATING LIMITS CONTACT OUR TECHNICAL SPECIALISTS AT THE LOCATIONS BELOW.



INVESTOR IN PEOPLE



USE DOUBLE MECHANICAL SEALS WITH HAZARDOUS PRODUCTS. ALWAYS TAKE SAFETY PRECAUTIONS:

- GUARD YOUR EQUIPMENT
- WEAR PROTECTIVE CLOTHING



WARNING

**UK Sales & Technical advice:**

AESSEAL plc  
Mill Close  
Templeborough  
Rotherham  
S60 1BZ  
United Kingdom

Telephone: +44 (0) 1709 369966  
Fax: +44 (0) 1709 720788  
E-mail: seals@aes seal.com  
Internet: http://www.aes seal.com

Distributed by:

**Our Purpose:** *'To give our customers such exceptional service that they need never consider alternative sources of supply.'*

**USA Sales & Technical advice:**

AESSEAL Inc.  
355 Dunavant Drive  
Rockford  
TN. 37853  
USA

Telephone: +1 865 531 0192  
Fax: +1 865 531 0571  
E-mail: usa@aes seal.com

ALL SIZES ARE SUBJECT TO MANUFACTURING TOLERANCES. WE RESERVE THE RIGHT TO MODIFY SPECIFICATIONS AT ANY TIME.