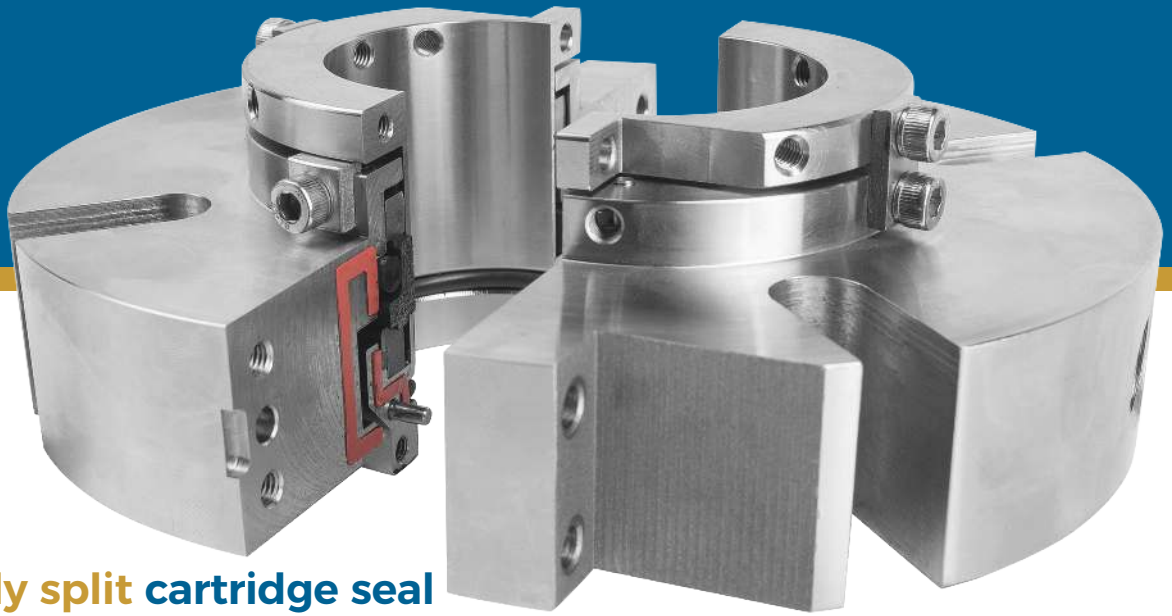


Fluid Sealing International

TYPE 52SS SPLIT SEAL



This new **fully split** cartridge seal can take on your most difficult installations.

- Is ideal for hard-to-access equipment like pumps, mixers, and agitators
- Makes assembly easy with only two halves – and no handling of individual parts
- Provides optimum performance with hydraulically balanced seal faces
- Mounts outside the stuffing box, eliminating the expense of replacement sleeves
- Fits more equipment because there are no stuffing box restrictions
- Rotates less of a mass and prevents misalignment with its stationary design
- Handles higher internal pressures and pump speeds
- Prevents clogging by using isolated springs
- Is fully assembled and pressure tested before shipment

TYPICAL APPLICATIONS

- Chemical Processing
- Food Processing
- General Industrial
- Mining
- Petrochemical
- Pharmaceutical
- Power Generation
- Pulp & Paper Production
- Refining
- Water & Waste Treatment

SPECIFICATIONS

Construction – Stationary gland and rotating sleeve assemblies: Type 316 stainless steel
Stationary and rotating faces: Carbon vs. silicon carbide;
optional silicon carbide vs. silicon carbide available
Springs: HASTELLOY C[®] 276 alloy
Elastomers: FKM; optional EPDM (ethylene propylene rubber) and AFLAS
available

Operating Pressure – Up to 250 psi (17 bar)

Operating Shaft Speed – Up to 5000 FPM (25m/s)

Operating Temperature – 0 to 350° F (-17.8 to 175° C)

Seal Size – Up to 7,500" (190.5mm)

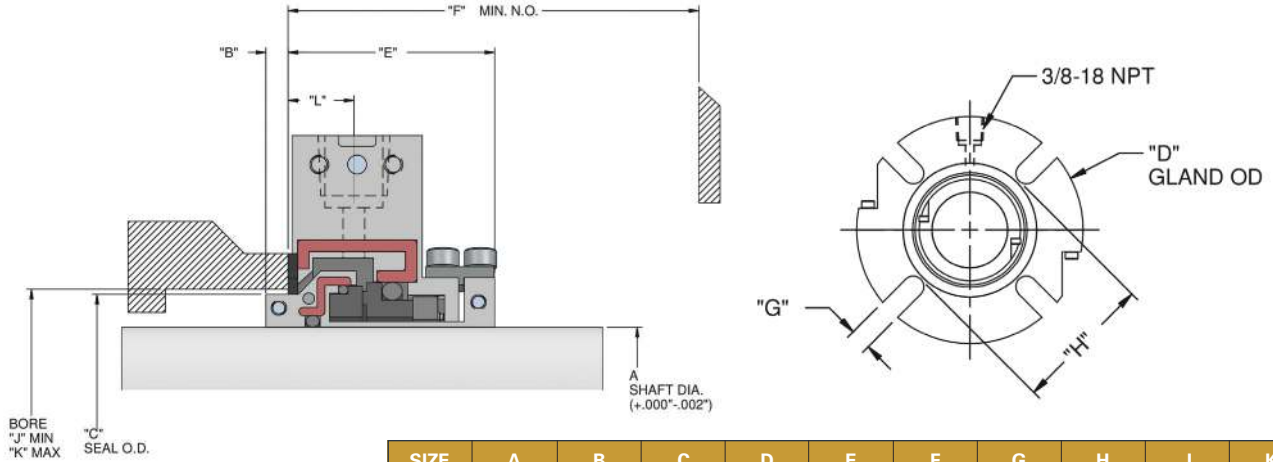
Total Indicator Reading – Up to .060 TIR

AFLAS is a registered trademark of AGC Inc.

HASTELLOY C 276 alloy is a registered trademark of Haynes International.

Fluid Sealing International

TYPE 52SS SPLIT SEAL



SIZE	A	B	C	D	E	F	G	H	J	K	L
24	1.500	0.250	2.187	5.25	2.125	2.500	0.562	3.125	2.500	2.625	0.656
27	1.687	0.250	2.437	5.50	2.125	2.500	0.562	3.375	2.500	2.875	0.656
28	1.750	0.250	2.437	5.50	2.125	2.500	0.562	3.375	2.500	2.875	0.656
30	1.875	0.250	2.562	5.50	2.125	2.500	0.562	3.344	2.625	3.000	0.656
31	1.937	0.250	2.625	5.44	2.125	2.500	0.562	3.563	2.687	3.125	0.656
32	2.000	0.250	2.687	5.44	2.125	2.500	0.562	3.563	2.750	3.125	0.656
34	2.125	0.250	2.812	6.00	2.125	2.500	0.687	3.688	2.875	3.375	0.656
35	2.188	0.250	2.937	6.25	2.125	2.500	0.687	3.813	3.000	3.375	0.656
36	2.250	0.250	3.062	6.25	2.125	2.500	0.687	3.937	3.125	3.500	0.656
38	2.375	0.250	3.187	6.25	2.125	2.500	0.687	4.062	3.250	3.500	0.656
39	2.438	0.250	3.312	6.44	2.125	2.500	0.687	4.125	3.375	3.625	0.656
40	2.500	0.250	3.312	6.44	2.125	2.500	0.687	4.125	3.375	3.625	0.656
42	2.625	0.250	3.347	6.44	2.125	2.500	0.687	4.438	3.500	3.875	0.656
43	2.688	0.250	3.562	7.82	2.125	2.500	0.687	4.438	3.625	4.125	0.656
44	2.750	0.250	3.562	7.82	2.125	2.500	0.687	4.438	3.625	4.125	0.656
46	2.875	0.250	3.687	7.82	2.125	2.500	0.687	4.812	3.812	4.250	0.656
47	2.938	0.250	3.812	7.88	2.125	2.500	0.687	4.938	3.937	4.375	0.656
48	3.000	0.250	3.812	7.88	2.125	2.500	0.687	4.938	3.937	4.375	0.656
52	3.250	0.281	4.188	8.25	2.437	2.812	0.812	5.188	4.250	4.750	0.812
54	3.375	0.281	4.312	8.25	2.437	2.812	0.812	5.313	4.375	4.875	0.812
55	3.438	0.281	4.437	8.50	2.437	2.812	0.812	5.437	4.500	5.000	0.812
56	3.500	0.281	4.437	8.50	2.437	2.812	0.812	5.437	4.500	5.000	0.812
58	3.625	0.281	4.562	8.63	2.437	2.812	0.812	5.562	4.625	5.125	0.812
60	3.750	0.281	4.625	8.82	2.437	2.812	0.812	5.688	4.687	5.125	0.812
62	3.875	0.281	4.812	8.82	2.437	2.812	0.812	5.813	4.875	5.250	0.812
64	4.000	0.281	4.937	8.82	2.437	2.812	0.812	5.813	5.000	5.378	0.812
68	4.250	0.281	5.188	9.25	2.437	2.812	0.812	6.063	5.250	5.750	0.812
70	4.375	0.281	5.312	9.25	2.437	2.812	0.812	6.437	5.375	5.875	0.812
72	4.500	0.281	5.406	9.69	2.437	2.812	0.812	6.500	5.500	6.000	0.812
76	4.750	0.281	5.656	9.75	2.437	2.812	0.812	6.938	5.750	6.250	0.812
79	4.938	0.375	6.188	10.75	3.062	3.812	0.937	7.312	6.312	6.750	0.923
80	5.000	0.375	6.188	10.75	3.062	3.812	0.937	7.312	6.312	6.750	0.923
82	5.125	0.375	6.375	11.00	3.062	3.812	0.937	7.812	6.500	7.250	0.923
84	5.250	0.375	6.375	11.00	3.062	3.812	0.937	7.812	6.500	7.250	0.923
88	5.500	0.375	6.688	11.50	3.062	3.812	0.937	7.813	6.812	7.375	0.923
92	5.750	0.375	6.938	12.00	3.062	3.812	0.937	8.156	7.062	7.625	0.923
100	6.250	0.375	7.438	12.50	3.062	3.812	0.937	8.656	7.562	8.125	0.923
104	6.500	0.375	7.688	12.25	3.062	3.812	0.937	8.813	7.812	8.375	0.923
108	6.750	0.375	7.938	12.50	3.250	4.000	0.937	9.312	8.062	8.625	0.923
112	7.000	0.375	8.188	12.75	3.250	4.000	0.937	9.562	8.312	8.750	0.923
136	8.500	0.375	9.688	14.25	3.250	4.000	1.000	11.000	9.812	10.250	0.923

About Us

Fluid Sealing International designs, builds, and services precision sealing systems used in manufacturing, oil & gas pipelines, and most major industries. Our operation is a certified ISO 9001:2015 quality management system (Registration No. 17-102470.1Q). This quality standard applies to the design, manufacture, and service of mechanical seals, as well as our contract manufacturing for the oil, gas, commercial, industrial, and aerospace industries.

Whether you need standard mechanical seals or specially engineered custom seals, we can meet your specific needs and requirements.



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