TF Seals

TWO-PIECE SPLIT CARTRIDGE SEAL

TYPE SP01

Standard Materials:

Faces: Carbon vs. Silicon Carbide (Option: Silicon Carbide vs. Silicon Carbide

Elastomers: Viton® (option: EPR and Aflas®)

Springs: Hastelloy® C276

Metallurgy: 316SS (option: A20 and C276)

Features and Benefits:

- *Fully split!* Easy assembly with only two halves! no handling of individual parts or measuring necessary.

- Hydraulically Balanced seal faces for optimum performance.
- Stationary design for better tracking and handling misalignment.
- Springs isolated from process to prevent clogging.
- Seal mounted outside of stuffing box
  - ➡ Saves on replacement sleeves when converting from packing.
- Seal takes advantage of centrifugal force.
  - ➡ Solids in suspension are always away from seal faces.

Operating Conditions:

- Can handle up to .060" TIR
- Speed to 5,000 FPM (25 m/s)
- Temperatures to 350⁰ F (175⁰ C)
- Pressures to 250 PSI (17 Bar)

✓ *Seals pressure tested before shipment*

Web: tfsealusa.com • Phone: **(713) 568-5547** • Email: sales@tfsealsusa.com

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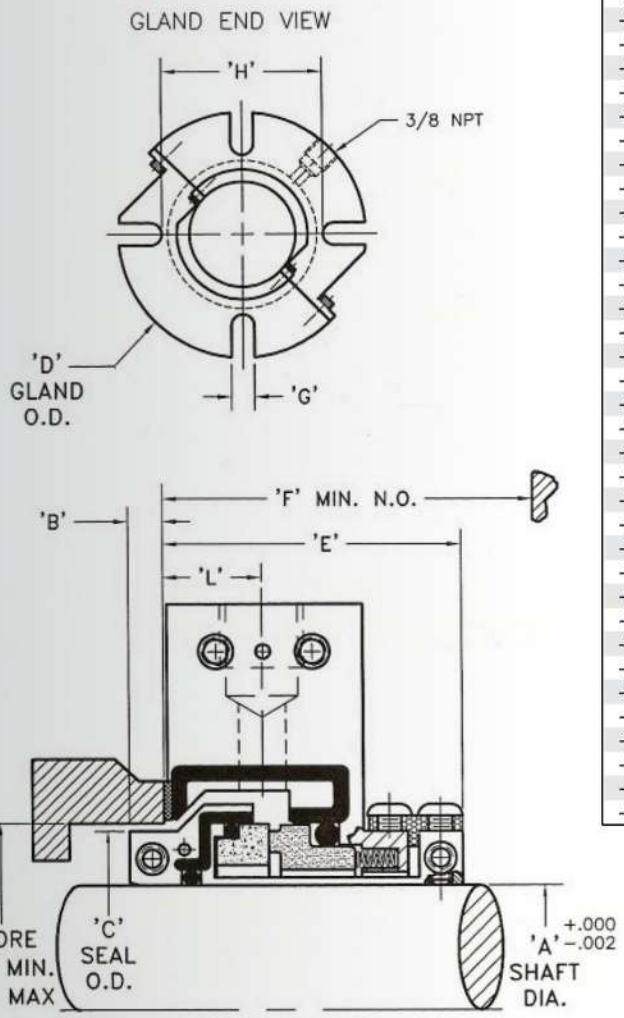
Cross Section



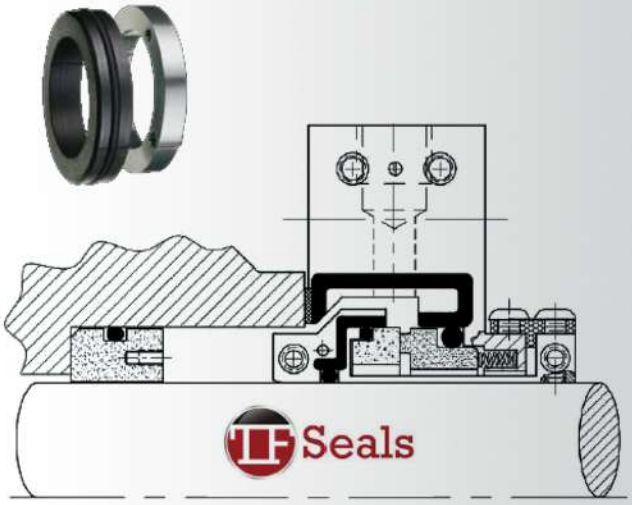
Imperial (all sizes in inches)

Size	A	B	C	D	E	F	G	H	J	K	L
-24	1.5	0.25	2.187	5.25	2.125	2.5	0.562	3.125	2.25	2.625	0.656
-27	1.687	0.25	2.437	5.5	2.125	2.5	0.562	3.375	2.5	2.875	0.656
-28	1.75	0.25	2.437	5.5	2.125	2.5	0.562	3.375	2.5	2.875	0.656
-30	1.875	0.25	2.562	5.5	2.125	2.5	0.562	3.344	2.625	3	0.656
-31	1.937	0.25	2.625	5.44	2.125	2.5	0.562	3.563	2.687	3.125	0.656
-32	2	0.25	2.687	5.44	2.125	2.5	0.562	3.563	2.75	3.125	0.656
-34	2.125	0.25	2.812	6	2.125	2.5	0.687	3.688	2.875	3.375	0.656
-35	2.188	0.25	2.937	6.25	2.125	2.5	0.687	3.813	3	3.375	0.656
-36	2.25	0.25	3.062	6.25	2.125	2.5	0.687	3.937	3.125	3.5	0.656
-38	2.375	0.25	3.187	6.25	2.125	2.5	0.687	4.062	3.25	3.5	0.656
-39	2.438	0.25	3.312	6.44	2.125	2.5	0.687	4.125	3.375	3.625	0.656
-40	2.5	0.25	3.312	6.44	2.125	2.5	0.687	4.125	3.375	3.625	0.656
-42	2.625	0.25	3.347	6.44	2.125	2.5	0.687	4.438	3.5	3.875	0.656
-43	2.688	0.25	3.562	7.82	2.125	2.5	0.687	4.438	3.625	4.125	0.656
-44	2.75	0.25	3.562	7.82	2.125	2.5	0.687	4.438	3.625	4.125	0.656
-46	2.875	0.25	3.687	7.82	2.125	2.5	0.687	4.812	3.812	4.25	0.656
-47	2.938	0.25	3.812	7.88	2.125	2.5	0.687	4.938	3.937	4.375	0.656
-48	3	0.25	3.812	7.88	2.125	2.5	0.687	4.938	3.937	4.375	0.656
-52	3.25	0.281	4.188	8.25	2.437	2.812	0.812	5.188	4.25	4.75	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	8.5	2.437	2.812	0.812	5.437	4.5	5	0.812
-56	3.5	0.281	4.437	8.5	2.437	2.812	0.812	5.437	4.5	5	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	3.75	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	5.25	0.812
-64	4	0.281	4.937	8.82	2.437	2.812	0.812	5.813	5	5.375	0.812
-68	4.25	0.281	5.188	9.25	2.437	2.812	0.812	6.063	5.25	5.75	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	4.5	0.281	5.406	9.69	2.437	2.812	0.812	6.5	5.5	6	0.812
-76	4.75	0.281	5.656	9.75	2.437	2.812	0.812	6.938	5.75	6.25	0.812
-79	4.938	0.375	6.188	10.75*	3.062	3.812	0.937	7.312	6.312	6.75	0.923
-80	5	0.375	6.188	10.75*	3.062	3.812	0.937	7.312	6.312	6.75	0.923
-82	5.125	0.375	6.375	11.00*	3.062	3.812	0.937	7.812	6.5	7.25	0.923
-84	5.25	0.375	6.375	11.00*	3.062	3.812	0.937	7.812	6.5	7.25	0.923
-88	5.5	0.375	6.688	11.50*	3.062	3.812	0.937	7.813	6.812	7.375	0.923
-92	5.75	0.375	6.938	12.00*	3.062	3.812	0.937	8.156	7.062	7.625	0.923
-100	6.25	0.375	7.438	12.50*	3.062	3.812	0.937	8.656	7.562	8.125	0.923
-104	6.5	0.375	7.688	12.25*	3.062	3.812	0.937	8.813	7.812	8.375	0.923
-108	6.75	0.375	7.938	12.50*	3.25	4	0.937	9.312	8.062	8.625	0.923
-112	7	0.375	8.188	12.75*	3.25	4	0.937	9.562	8.312	8.75	0.923
-136	8.5	0.375	9.688	14.25	3.25	4	1.000	11	9.812	10.25	0.923

Metric (all sizes in mm)

Size	A	B	C	D	E	F	G	H	J	K	L
-30	45	6.35	65.1	140	54	64	14.3	84.9	66.68	76.20	16.7
-32	48	6.35	68.2	140	54	64	14.3	90.5	68.85	79.38	16.7
-32	50	6.35	68.2	140	54	64	14.3	90.5	68.85	79.38	16.7
-36	55	6.35	77.8	159	54	64	17.4	100	79.4	88.90	16.7
-10	60	6.35	84.1	165	54	64	17.4	104.8	85.73	95.25	16.7
-42	65	6.35	85.0	165	54	64	17.4	112.8	88.9	98.40	16.7
-44	70	6.35	90.5	197	54	64	17.4	112.8	92.08	104.7	16.7
-48	75	6.35	96.8	203	54	64	17.4	125.4	100	111.1	16.7
-52	80	7.14	106.4	210	62	72	20.6	131.8	108	120.6	20.6
-56	87	7.14	112.7	216	62	72	20.6	138.1	114.3	127.0	20.6
-58	90	7.14	115.9	219	62	72	20.6	141.3	117.5	130.2	20.6
-60	95	7.14	117.5	222	62	72	20.6	144.5	119.05	130.1	20.6
-64	100	7.14	125.4	224	62	72	20.6	147.6	127	136.5	20.6
-76	120	7.14	143.7	248	62	72	20.6	176.2	146.05	158.7	20.6
-80	125	9.5	157.2	273*	77.8	96.8	23.8	185.7	160.3	171.4	23.4

SP01 Split Seal with PAKRYT ORM



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