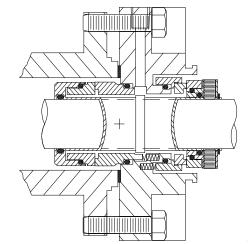


STYLE 3200





Application Data

Shaft speed: To 3600 RPM Pressure: Vacuum to 400 PSI

Temperature: See O-ring limitations

Materials

Metal Parts: 316SS, Alloy 20, Hastelloy "C",

Titanium

Springs: Hastelloy "C"

Faces: Combinations of Carbon, Sintered-Silicon

Carbide, and Tungsten Carbide

Elastomers: Viton, EPR, Kalrez, Aflas, Teflon

DELTA DOUBLE CARTRIDGE SEAL FOR STANDARD BORE STUFFING BOX

Robust modular design provides extended seal life in general service applications. Double-balanced stationary design with options for 2 piece stationary and corrosive service metal insert.

Technical Features

Self-venting, bi-directional barrier fluid connections accommodate shaft rotations in either direction on horizontal and vertically mounted equipment.

Double balanced, stationary design can be operated in two modes. In double mode the barrier fluid pressure higher is than stuffing box pressure. In tandem mode the barrier fluid pressure is lower than stuffing box pressure and can accommodate pressure reversals at the inboard faces.

Cool running double cartridge design combines large internal clearances, optimal inboard and outboard face widths, and centrally located flush ports. These features maximize the circumferential flow around the seal faces, resulting in more efficient cooling and extended seal life.

Optional special metal insert provides a cost effective alternative for corrosive service. This design variation uses a special metal insert (Titanium, Hastelloy "B", "C") for the process wetted surface in a standard 316 SS gland.

Rotary inboard faces stabilized under compression are flexibly mounted utilizing o-rings for their shock and vibration absorption qualities. This eliminates premature fractures in the faces under thermal and mechanical shock that can cause catastrophic failures in other designs with faces under tension.

Balanced stationary cartridge design utilizes all static o-rings, which eliminates damage to the pump shaft/sleeve or seal normally caused by rotary pusher component or pusher cartridge type seals, allowing use of solid pump shafts that minimize deflection.

Interchangeable stationary faces enable application customization, resulting in stable, secure sealing, accommodating the widest range of operating conditions and applications in industry. Choose from:

- Monolithic, one-piece face designs that provide unparalled face stability under fluctuating system operating conditions, resulting in superior emission control capabilities.
- Two piece face designs that assure optimum seal performance for the most challenging, demanding environments where one piece face construction is vulnerable to premature failure.

Positive hold, metal centering clips center the seal in both the axial and radial directions.

Choose from spare parts kits for field repair or the optional factory repair program. State of the art, easy-to-install design uses the least number of components, simplifying field repair, resulting in low life cycle costs.

All seals are pressure tested at the factory assuring 100% startup sealability.

Optional Features and Ordering Information:

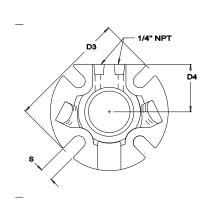
- 2 piece stationary face
- Special metal insert: order seal model S200

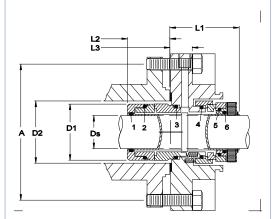
METRIC DIMENSIONAL DATA FOR DELTA SEAL STYLE 3200

FRONT VIEW

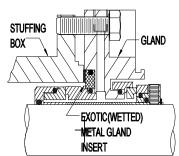
SIDE VIEW

OPTIONAL GLAND FEATURE





Optional exotic metal gland insert for corrosive environments. (Hastelloy "C", "B", Titanium, etc.)



DS Seal	D1 Sleeve OD	D2 Min	D2 Max	D3 Gland OD	D4 Gland Flat	A Min. Bolt Circle by Stud Size				Slot	L1 Outside	L2 Inside	L3 Gland
Size						8mm	10mm	12mm	16mm	Width	Length	Length	Length
24	42.7	44.1	51.4	103.8	48.4	71.4	73.5	75.9	81.4	11.6	54.1	32.3	14.4
25	42.7	44.1	51.4	103.8	48.4	71.4	73.5	75.9	81.4	11.6	54.1	32.3	14.4
28	45.9	47.3	55.8	104	48.4	71.4	73.5	76.1	81.5	11.6	54.1	32.3	14.4
30	49.7	50.8	57.1	111.8	51.9	78	80.1	82	87.5	11.6	54.1	32.3	14.4
32	49.7	50.8	57.1	111.8	51.9	78	80.1	82	87.5	11.6	54.1	32.3	14.4
33	52.9	53.9	61.2	112	51.9	78.1	80.2	82.2	87.6	11.6	54.1	32.3	14.4
35	52.9	53.9	61.2	112	51.9	78.1	80.2	82.2	87.6	11.6	54.1	32.3	14.4
38	56	57	64.7	122.1	52.4	83.6	85.6	87.6	93.1	13.4	54.1	32.3	31.7
40	59.5	60.3	68.5	122.3	52.4	83.7	85.8	87.8	93.2	13.4	54.1	32.3	31.7
43	62.4	63.5	72.3	138.1	58.5	88.9	91	93	98.4	14.2	54.1	32.3	14.4
45	65.5	66.5	74	138.3	58.5	89.1	91.1	93.1	98.6	14.2	54.1	32.3	14.4
48	65.5	66.5	74	138.3	58.5	89.1	91.1	93.1	98.6	14.2	54.1	32.3	14.4
50	68.9	69.8	78.9	139.7	62.2	94.4	96.4	98.4	103.9	14.2	54.1	32.3	14.4
53	72	73	79.3	148.3	62.2	94.5	96.6	98.6	104	14.2	54.1	32.3	14.4
55	75.1	76.2	90.9	156.7	62.4	107.8	109.9	111.9	117.3	16.2	54.1	32.3	31.7
58	78.4	79.3	92.8	156.8	62.4	108	110	112	117.5	16.2	54.1	32.3	31.7
60	78.4	79.3	92.8	156.8	62.4	108	110	112	117.5	16.2	54.1	32.3	31.7
63	81.6	82.5	97	163	69.6	113.1	115.1	117.1	122.6	16.2	54.1	32.3	14.4
65	84.8	85.7	94.8	163.1	69.6	113.2	115.2	117.2	122.7	16.2	54.1	32.3	14.4
68	92.9	93.9	102.3	196.9	76.7	127	129.1	131.1	136.5	17.7	58.4	29.4	31.7
70	92.9	93.9	102.3	196.9	76.7	127	129.1	131.1	136.5	17.7	58.4	29.4	31.7
75	99.4	100.4	109.6	197.1	76.7	127.2	129.2	131.2	136.7	17.7	58.4	29.4	31.7
80	105.7	106.8	125	215.7	84.6	146	148.1	150	155.5	19.8	58.4	29.4	31.7
85	112.1	113.1	127.6	215.9	84.6	146.1	148.2	150.2	155.6	19.8	58.4	29.4	31.7
90	118.3	119.3	127.8	216	84.6	146.3	148.3	150.3	155.8	19.8	58.4	29.4	31.7
95	118.3	119.3	127.8	216	84.6	146.3	148.3	150.3	155.8	19.8	58.4	29.4	31.7
100	124.8	125.8	149.2	244.9	95.2	176.3	178.4	180.3	185.8	19.8	58.4	29.4	31.7
110	137.5	138.5	155.5	245.2	95.2	176.6	178.6	180.6	186.1	19.8	58.4	29.4	31.7

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