

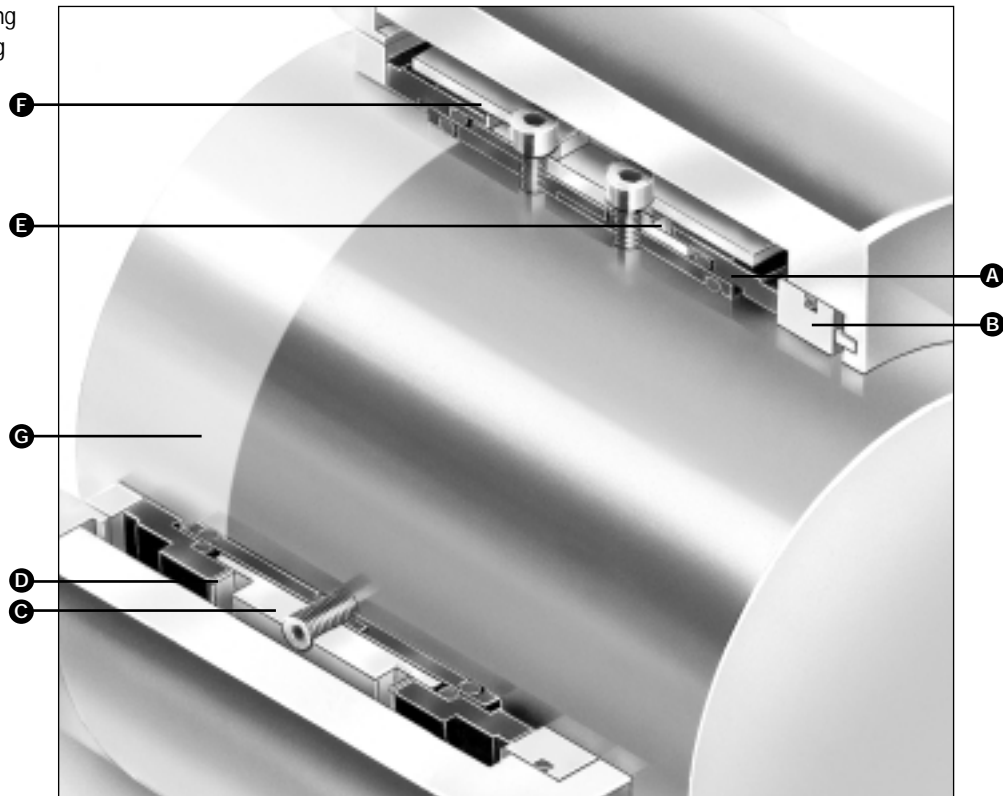


TYPE 32GL

Glass-Lined, Dry-Running Mixer Seal

32GL

- A – Face/Primary Ring
- B – Seat/Mating Ring
- C – Retainer
- D – Disc
- E – Spring
- F – T-Bar
- G – Glass Lining



Product Description

Exclusive John Crane mixer seal in single and double arrangements ends metal-to-glass contact for mixers and other equipment with glass-lined shafts.

- For top-entering mixers, agitators and reactor vessels with glass-lined shafts.
- Damage to shafts and contamination of product is eliminated; maintenance is reduced dramatically.
- Inside mounted, hydraulically balanced seals are dry-running with seal faces in full contact during operation. Thin cross-section permits use in smaller spaces.

Performance Capabilities

- Temperature:
Up to 150°C/300°F
- Pressure:
Up to 14 bar g/200 psig
- Speed:
Up to 2.0 m/s/400 fpm
- End Play/Axial Float Allowance:
0.13mm/0.005"
- Runout/Out of Squareness:
1.57mm/0.062" TIR

Design Features

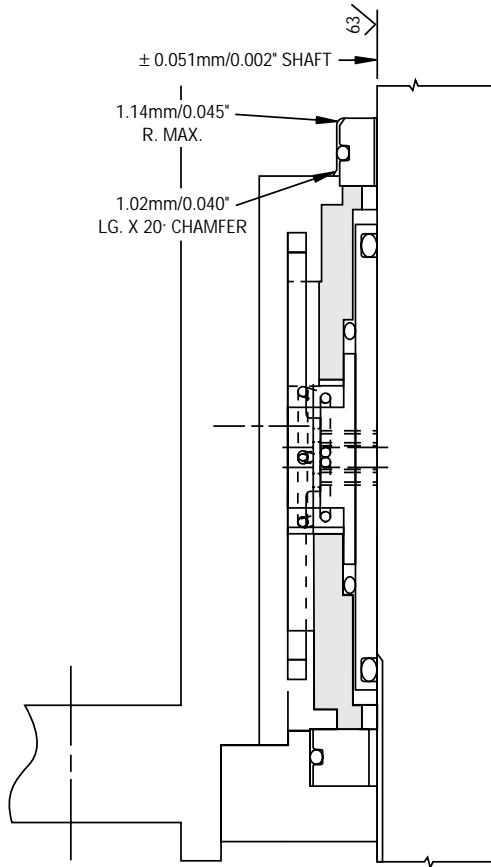
- **Sterilized Seal**
Special composite material provides exclusive plastic-to-glass contact that is easy to clean and non-corrosive. This chemically inert material is especially important for foods, pharmaceuticals and other "pure" products.
- **Dry-Running Capability**
Full contacting, dry-running capability is possible due to the heat-dissipating design and self-lubricating faces developed by John Crane. This capability eliminates batch "risk taking" by removing potential for product contamination. The seal can also be run wet.



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Typical Arrangement/Dimensional Data



Mechanical Seal Identification Lists

Pfaudler (top entering orientation)

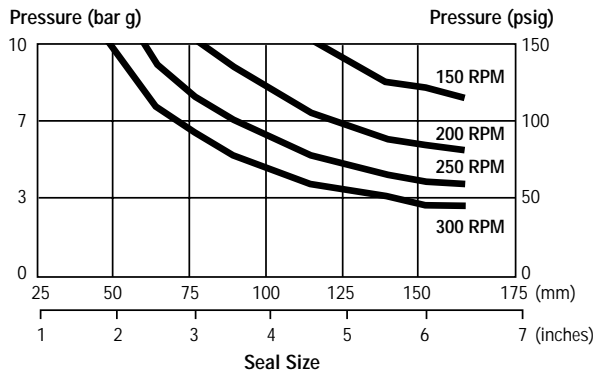
Model	Shaft Size (mm/in.)	Seal Type	Std. Layout
3525 SRW	63.5 / 2.5	Dbl. T-32GL	HSP-11414
5035 SRW	88.9 / 3.5	Dbl. T-32GL	HSP-11416
6045 SRW	114.3 / 4.5	Dbl. T-32GL	HSP-11417
7055/8055/10055 SRW	139.7 / 5.5	Dbl. T-32GL	HSP-11418
2.5 DTW	38.1 / 1.5	Dbl. T-32GL	HSP-11419
3 DTW	76.2 / 3.0	Dbl. T-32GL	HSP-11420
4 DTW	76.2 / 3.0	Dbl. T-32GL	HSP-11420
5 DTW	88.9 / 3.5	Dbl. T-32GL	HSP-11421
6 DTW - 3 1/2	88.9 / 3.5	Dbl. T-32GL	HSP-11421
6/7 DTW - 4 1/2	114.3 / 4.5	Dbl. T-32GL	HSP-11422
7 DTW - 5 1/2	139.7 / 5.5	Dbl. T-32GL	HSP-11423
8 DTW	139.7 / 5.5	Dbl. T-32GL	HSP-11423
4 RW	76.2 / 3.0	Dbl. T-32GL	HSP-11415
5 RW	88.9 / 3.5	Dbl. T-32GL	HSP-11416
6 RW	114.3 / 4.5	Dbl. T-32GL	HSP-11417
7/8 RW	139.7 / 5.5	Dbl. T-32GL	HSP-11418

Seal head and mating rings are interchangeable between Pfaudler RW and SRW drives, but the housings are not. Pfaudler DTW and TW drives utilize the same seals.

De Dietrich (top entering orientation)

Model	Shaft Size (mm/in.)	Seal Type	Std. Layout
PTE-06	63.5 / 2.500	Dbl. T-32GL	HSP-47963-1
PTE-08	79.4 / 3.125	Dbl. T-32GL	HSP-47962-1
PTE-10	92.1 / 3.625	Dbl. T-32GL	HSP-33548
PTE-12	104.8 / 4.125	Dbl. T-32GL	HSP-33549-1
PTE-16	130.2 / 5.125	Dbl. T-32GL	HSP-33550
PTE-24	155.6 / 6.125	Dbl. T-32GL	HSP-3355

Pressure Rating Limits for Dry-Running Seals



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Slough, UK

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Singapore

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Fax: 65-223-5035



For your nearest John Crane facility, please contact one of the locations above.

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