

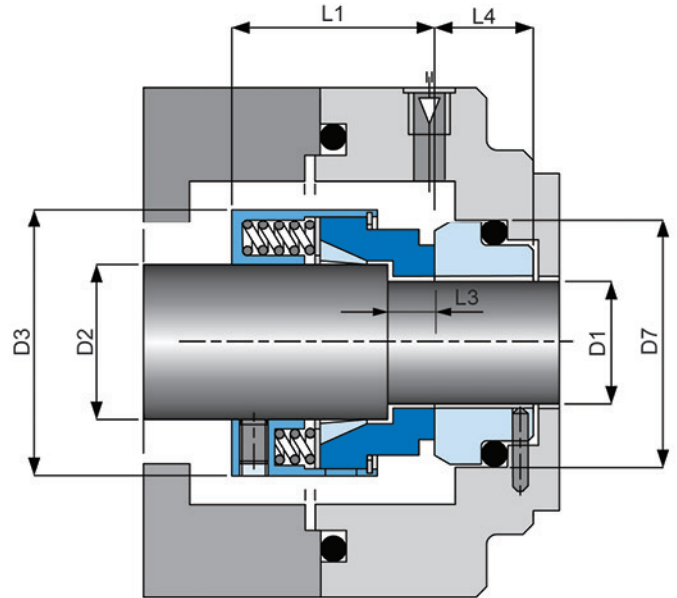


Mechanical Seal Specification

Determine the best sealing solution for your applications.

PTFE Wedge Seals

TIB-400BW



Applications

- General and high pressure sealing duties, chemical, including processing, refinery and petrochemical plants.
- Oils, solvents, refrigerants, water and food processing, and other demanding applications.

Standard Materials

- Metal Parts : SUS 316
- Spring : SUS 316
- Rotary Face : Silicon Carbide/Tungsten Carbide/Carbon
- Stationary Face : Silicon Carbide/Tungsten Carbide/Carbon
- Secondary Seals : Fluoroelastomer/Nitrile/Ethylene Propylene/PTFE

*(Other configuration of materials also available on request)

Operating Conditions

- Max. Operating Pressure : 40 kg/cm²*
- Temperature Range : -15 to 200 °
- Max. Rubbing Speed : 15 m/s

*(Depend on combination of materials)

Design Features/Benefits

- Multiple springs exert even closing force on seal faces. Ensure even loading of seal face and compensates for acceptable shaft misalignment.
- Versatile design using components common to other O-ring and wedge type seals. Allow easy repair, reduced spares holding, and simple conversion to balanced/unbalanced or wedge seal.
- Setting-length of spring can be held in position by build in set-ring.



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Dimensional Data (mm.)

| D1 | D2 | D3 | D7 | L1 | L3 | L4 |
|-----|-----|-----|-----|------|------|------|
| 14 | 18 | 32 | 25 | 30.7 | 12 | 6 |
| 16 | 20 | 34 | 20 | 30.7 | 12 | 6 |
| 18 | 22 | 36 | 33 | 31.7 | 13.5 | 6.5 |
| 20 | 24 | 38 | 35 | 31.7 | 13.5 | 6.5 |
| 22 | 26 | 40 | 37 | 31.7 | 13.5 | 6.5 |
| 24 | 28 | 42 | 39 | 34.4 | 13.5 | 6.5 |
| 25 | 30 | 44 | 40 | 34.7 | 13 | 7 |
| 28 | 33 | 47 | 43 | 37.7 | 12.5 | 7.5 |
| 30 | 35 | 49 | 45 | 38.2 | 12 | 8 |
| 32 | 38 | 54 | 48 | 38.2 | 12 | 8 |
| 33 | 38 | 54 | 48 | 38.2 | 12 | 8 |
| 35 | 40 | 56 | 50 | 38.2 | 12 | 8 |
| 38 | 43 | 59 | 56 | 39.7 | 13 | 10 |
| 40 | 45 | 61 | 58 | 39.7 | 13 | 10 |
| 43 | 48 | 64 | 61 | 39.7 | 13 | 10 |
| 45 | 50 | 66 | 63 | 39.7 | 13 | 10 |
| 48 | 53 | 69 | 66 | 39.7 | 13 | 10 |
| 50 | 55 | 71 | 70 | 44.2 | 13.5 | 11.5 |
| 53 | 58 | 78 | 73 | 44.2 | 13.5 | 11.5 |
| 55 | 60 | 80 | 75 | 44.2 | 13.5 | 11.5 |
| 58 | 63 | 83 | 78 | 49.2 | 13.5 | 11.5 |
| 60 | 65 | 85 | 80 | 49.2 | 13.5 | 11.5 |
| 63 | 68 | 88 | 83 | 49.2 | 13.5 | 11.5 |
| 65 | 70 | 90 | 85 | 49.2 | 13.5 | 11.5 |
| 70 | 75 | 95 | 92 | 55.7 | 14.5 | 13.5 |
| 75 | 80 | 104 | 97 | 55.7 | 14.5 | 13.5 |
| 80 | 85 | 109 | 105 | 55.2 | 15 | 13 |
| 85 | 90 | 114 | 110 | 60.2 | 15 | 13 |
| 90 | 95 | 119 | 115 | 60.2 | 15 | 13 |
| 95 | 100 | 124 | 120 | 60.2 | 15 | 13 |
| 100 | 105 | 129 | 125 | 60.2 | 15 | 13 |

* Other sizes are available upon request.