

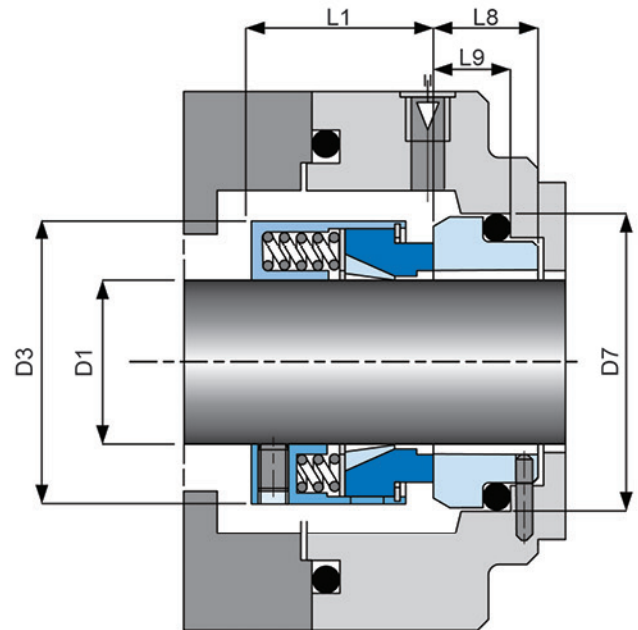


Mechanical Seal Specification

Determine the best sealing solution for your applications.

PTFE Wedge Seals

TIB-400UW



Applications

- General 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 : 14 kg/cm²* (For Unbalanced)
- 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	D3	D7	L1	L8	L9
14	24	25	23.0	17.5	10.0
16	26	27	23.0	17.5	10.0
18	32	33	24.0	19.5	11.5
20	34	35	24.0	19.5	11.5
22	36	37	24.0	19.5	11.5
24	38	39	26.7	19.5	11.5
25	39	40	27.0	19.5	11.5
28	42	43	30.0	19.5	11.5
30	44	45	30.5	19.5	11.5
32	46	48	30.5	19.5	11.5
33	47	48	30.5	19.5	11.5
35	49	50	30.5	19.5	11.5
38	54	56	32.0	22.0	14.0
40	56	58	32.0	22.0	14.0
43	59	61	32.0	22.0	14.0
45	61	63	32.0	22.0	14.0
48	64	66	32.0	22.0	14.0
50	66	70	34.0	23.0	15.0
53	69	73	34.0	23.0	15.0
55	71	75	34.0	23.0	15.0
58	78	78	39.0	23.0	15.0
60	80	80	39.0	23.0	15.0
63	83	83	39.0	23.0	15.0
65	85	85	39.0	23.0	15.0
68	88	90	39.0	26.0	18.0
70	90	92	45.5	26.0	18.0
75	95	97	45.5	26.0	18.0
80	104	105	45.0	26.2	18.2
85	109	110	45.0	26.2	18.2
90	114	115	50.0	26.2	18.2
95	119	120	50.0	25.2	17.2
100	124	125	50.0	25.2	17.2

* Other sizes are available upon request.