

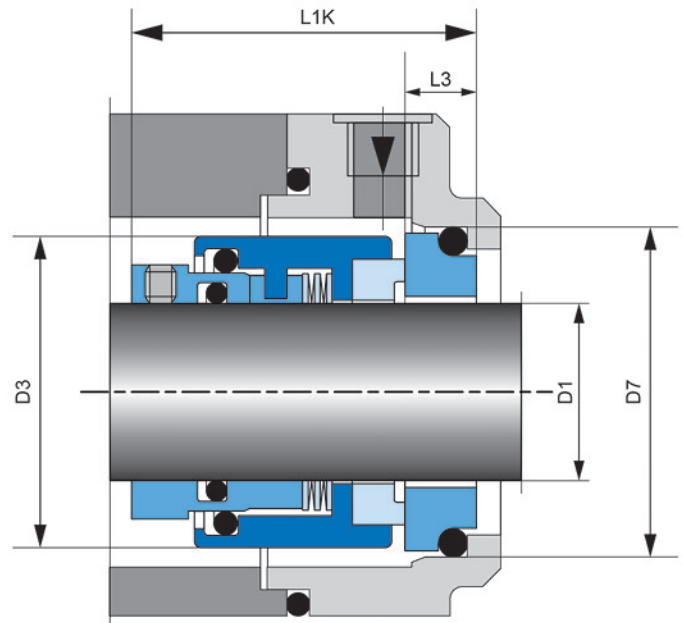


# Mechanical Seal Specification

Determine the best sealing solution for your applications.

## Elastomer O-Ring Seals

# TIB-GNZ



### Applications

- For use in pumps, mixers, blenders, agitators, compressors and other rotary shaft equipment.
- For pulp and paper, petrochemical, food processing, wastewater treatment and other demanding applications.

Type TIB-GNZ mechanical seal is designed for media containing solids or with high viscosity e.g. sugar, paper, sewage, and waste water industry. The wave springs are product protected. There is no sticking or clogging making the design rugged and reliable.

### 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 : 25 kg/cm<sup>2</sup>\*
- Temperature Range : -15 to 200 °
- Max. Rubbing Speed : 20 m/s

\*(Depend on combination of materials)

### Design Features/Benefits

- The wave spring designed for install in the shallow seal chamber.
- Independent of shaft rotating direction.
- Springs are isolated from liquid rich in solid impurity.
- Setting-length of spring can be held in position by build in set-ring.



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## Dimensional Data (mm.)

D1	D3	D7	L1K	L3
18	32	33	37.5	8.5
20	34	35	37.5	8.5
22	36	37	37.5	8.5
24	38	39	40.0	8.5
25	39	40	40.0	8.5
28	42	43	42.5	8.5
30	44	45	42.5	8.5
32	47	48	42.5	8.5
33	47	48	42.5	8.5
35	49	50	42.5	8.5
38	54	56	45.0	10.0
40	56	58	45.0	10.0
43	59	61	45.0	10.0
45	61	63	45.0	10.0
48	64	66	45.0	10.0
50	66	70	47.5	10.5
53	69	73	47.5	12.0
55	71	75	47.5	12.0
60	80	80	52.5	12.0
65	85	85	52.5	12.0
70	90	92	60.0	12.5
75	99	97	60.0	12.5
80	104	105	60.0	13.0
85	109	110	60.0	15.0
90	114	115	65.0	15.0
95	119	120	65.0	15.0
100	124	125	65.0	15.0

\* Other sizes are available upon request.