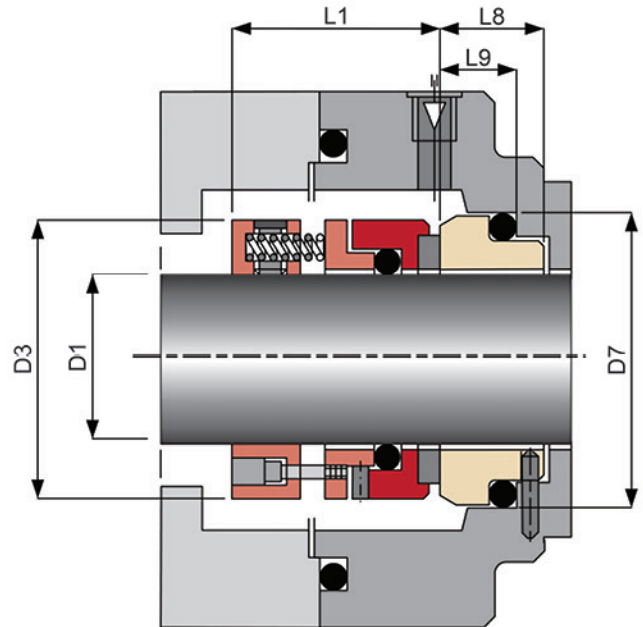


## Elastomer O-Ring Seals

# DS-600



### 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 : 15 kg/cm<sup>2</sup>\* (For Unbalanced)
- Max. Operating Pressure : 53 kg/cm<sup>2</sup>\* (For Balanced)
- Temperature Range : -60 to 250 \*
- Max. Rubbing Speed : 25 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 V-packing ring type seals. Allow easy repair, reduced spares holding, and simple conversion to balanced/unbalanced or V-packing ring seal.
- Setting-length of spring can be held in position by build in set-ring.



# Mechanical Seal Specification

## Engineered Sealing Expertise

### Dimensional Data (mm.)

D1	D3	D7	L1	L8	L9
18	32	33	38.0	19.5	11.5
20	34	35	38.0	19.5	11.5
22	36	37	38.0	19.5	11.5
24	38	39	40.0	19.5	11.5
25	39	40	40.0	19.5	11.5
28	42	43	40.0	19.5	11.5
30	44	45	40.0	19.5	11.5
32	46	48	40.0	19.5	11.5
33	47	48	40.0	19.5	11.5
35	49	50	40.0	19.5	11.5
38	54	56	42.0	22.0	14.0
40	56	58	42.0	22.0	14.0
43	59	61	43.0	22.0	14.0
45	61	63	43.0	22.0	14.0
48	64	66	43.0	22.0	14.0
50	66	70	44.0	23.0	15.0
53	69	73	44.0	23.0	15.0
55	71	75	44.0	23.0	15.0
58	78	78	46.0	23.0	15.0
60	80	80	46.0	23.0	15.0
63	83	83	46.0	23.0	15.0
65	85	85	46.0	23.0	15.0
68	88	90	46.0	26.0	18.0
70	90	92	46.0	26.0	18.0
75	95	97	46.0	26.0	18.0
80	100	105	46.0	26.2	18.2
85	105	110	46.0	26.2	18.2
90	110	115	49.0	26.2	18.2
95	115	120	49.0	25.2	17.2
100	120	125	49.0	25.2	17.2

\* Other sizes are available upon request.