

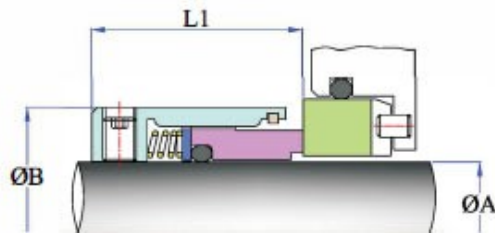
# Type: CS 8

## Features:

- Multi spring design
- Easy installation and removal
- Unbalanced
- Independent on rotation of direction
- Compact design

## Application :

- General industrial applications including process services.
- Lubricating liquids, aqueous solutions chemicals, corrosives, some acids.



- Temperature : -40°C to +200°C
- Pressure : up to 20 bar g
- Speed : up to 20s m/s

Seal Size / D (Inches)	ØA	ØB	L1
0.500	12.70	26.7	21.0
0.625	15.87	30.7	19.0
0.750	19.05	34.0	22.0
0.875	22.22	37.2	24.0
1.000	25.40	40.3	25.0
1.125	28.57	43.5	27.0
1.250	31.75	48.3	27.0
1.375	34.92	51.5	29.0
1.500	38.10	54.6	29.0
1.625	41.27	61.0	35.0
1.750	44.45	64.2	35.0
1.875	47.62	67.3	35.0
2.000	50.80	70.5	35.0
2.125	53.97	76.9	43.0
2.250	57.15	80.0	43.0
2.375	60.32	83.2	43.0
2.500	63.50	86.4	43.0
2.625	66.67	89.6	43.0
2.750	69.85	92.7	43.0
2.875	73.02	95.9	43.0
3.000	76.20	97.5	43.0
3.125	79.37	100.7	43.0
3.250	82.55	105.4	43.0
3.375	85.72	108.6	43.0
3.500	88.90	111.8	43.0
3.625	92.07	115.0	43.0
3.750	95.25	118.1	43.0

3.875	98.42	121.3	43.0
4.000	101.60	124.5	43.0

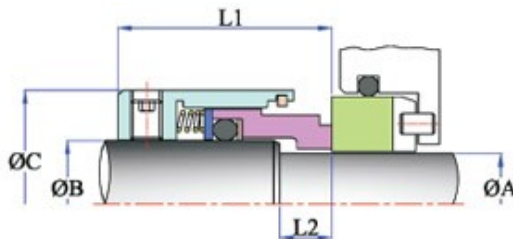
## Type: CS 8B

### Features:

- Multi spring design
- Inside mounted
- balanced
- independent on direction of rotation

### Application :

- General industrial applications including process services.
- Lubricating liquids, aqueous solutions chemicals, corrosives, some acids.



- Temperature : -40°C to +260°C
- Pressure : up to 35 bar g
- Speed : up to 25s m/s

Seal Size / D (Inches)	ØA	ØB	ØC	L1	L2
0.625	12.7	15.87	30.8	27.0	7.5
0.750	15.9	19.05	34.0	30.0	7.8
0.875	19.1	22.22	37.2	32.0	8.0
1.000	22.2	25.40	40.3	33.0	8.0
1.125	25.4	28.57	43.4	35.0	7.9
1.250	28.6	31.75	48.3	35.0	7.9
1.375	28.6	34.92	51.3	37.0	8.7
1.500	31.8	38.10	54.5	37.0	8.7
1.625	34.9	41.27	60.8	45.0	8.7
1.750	38.1	44.45	64.0	45.0	9.5
1.875	41.3	47.63	67.2	45.0	9.5
2.000	44.5	50.80	70.4	45.0	9.5
2.125	47.6	53.97	76.7	52.0	11.1
2.250	50.8	57.15	79.9	52.0	11.1
2.375	54.0	60.33	83.1	52.0	11.1
2.500	57.2	63.50	86.2	52.0	11.1
2.625	60.3	66.67	89.4	52.0	11.1
2.750	63.5	69.85	92.6	52.0	11.1
2.875	66.7	73.02	95.8	52.0	11.1
3.000	69.9	76.20	97.3	52.0	11.1
3.125	73.0	79.37	100.5	52.0	11.1
3.250	76.2	82.55	105.3	52.0	14.3
3.375	79.4	85.72	108.5	52.0	14.3
3.500	82.6	88.90	111.6	52.0	14.3
3.625	85.7	92.07	114.8	52.0	14.3
3.750	88.9	95.25	118.0	52.0	14.3
3.875	92.1	98.42	121.2	52.0	14.3
4.000	95.3	101.60	124.3	52.0	14.3

# Type: CS 9

## Features:

- Multi spring design
- unbalanced
- independent on direction of rotation
- Compact design
- High temperature application

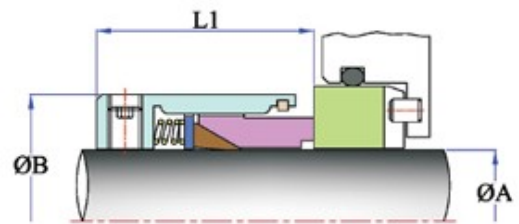
## Application :

For service in chemical processing, Food processing, Pharmaceutical, pump and paper waste water and water desalination industries.



## Operating Conditions :

- Temperature : -100°C to +400°C
- Pressure : up to 20 bar g
- Speed : up to 20s m/s



Seal Size (inches)	ØA	ØB	L1
0.500	12.70	26.7	21.0
0.625	15.87	30.7	19.0
0.750	19.05	34.0	22.0
0.875	22.22	37.2	24.0
1.000	25.40	40.3	25.0
1.125	28.57	43.5	27.0
1.250	31.75	48.3	27.0
1.375	34.92	51.5	29.0
1.500	38.10	54.6	29.0
1.625	41.27	61.0	35.0
1.750	44.45	64.2	35.0
1.875	47.62	67.3	35.0
2.000	50.80	70.5	35.0
2.125	53.97	76.9	43.0
2.250	57.15	80.0	43.0
2.375	60.32	83.2	43.0
2.500	63.50	86.4	43.0
2.625	66.67	89.6	43.0
2.750	69.85	92.7	43.0
2.875	73.02	95.9	43.0
3.000	76.20	97.5	43.0
3.125	79.37	100.7	43.0
3.250	82.55	105.4	43.0
3.375	85.72	108.6	43.0
3.500	88.90	111.8	43.0
3.625	92.07	115.0	43.0
3.750	95.25	118.1	43.0
3.875	98.42	121.3	43.0
4.000	101.60	124.5	43.0

# Type: CS 9B

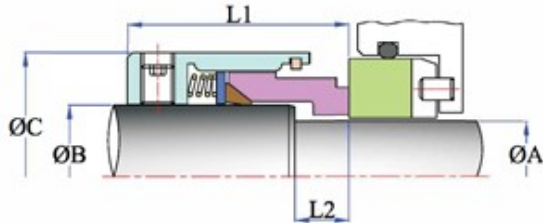
## Features:

- Multi spring design
- Inside mounted
- Independent on direction of rotation

## Application :

For extremely corrosive fluid applications sulfuric , nitric, phosphoric or hydrochloric acids.

## Operating Conditions :



- Temperature : -40°C to +140°C
- Pressure : up to 12 bar g
- Speed : up to 13 m/s



Seal Size / D (inches)	ØA	ØB	ØC	L1	L2
0.625	12.7	15.87	30.8	27.0	4.8
0.750	15.9	19.05	34.0	30.0	4.8
0.875	19.1	22.22	37.2	32.0	6.4
1.000	22.2	25.40	40.3	33.0	6.4
1.125	25.4	28.57	43.4	35.0	7.9
1.250	28.6	31.75	48.3	35.0	7.9
1.375	28.6	34.92	51.3	37.0	8.7
1.500	31.8	38.10	54.5	37.0	8.7
1.625	34.9	41.27	60.8	45.0	8.7
1.750	38.1	44.45	64.0	45.0	9.5
1.875	41.3	47.63	67.2	45.0	9.5
2.000	44.5	50.80	70.4	45.0	9.5
2.125	47.6	53.97	76.7	52.0	11.1
2.250	50.8	57.15	79.9	52.0	11.1
2.375	54.0	60.33	83.1	52.0	11.1
2.500	57.2	63.50	86.2	52.0	11.1
2.625	60.3	66.67	89.4	52.0	11.1
2.750	63.5	69.85	92.6	52.0	11.1
2.875	66.7	73.02	95.8	52.0	11.1
3.000	69.9	76.20	97.3	52.0	11.1
3.125	73.0	79.37	100.5	52.0	11.1
3.250	76.2	82.55	105.3	52.0	14.3
3.375	79.4	85.72	108.5	52.0	14.3
3.500	82.6	88.90	111.6	52.0	14.3
3.625	85.7	92.07	114.8	52.0	14.3
3.750	88.9	95.25	118.0	52.0	14.3
3.875	92.1	98.42	121.2	52.0	14.3
4.000	95.3	101.60	124.3	52.0	14.3