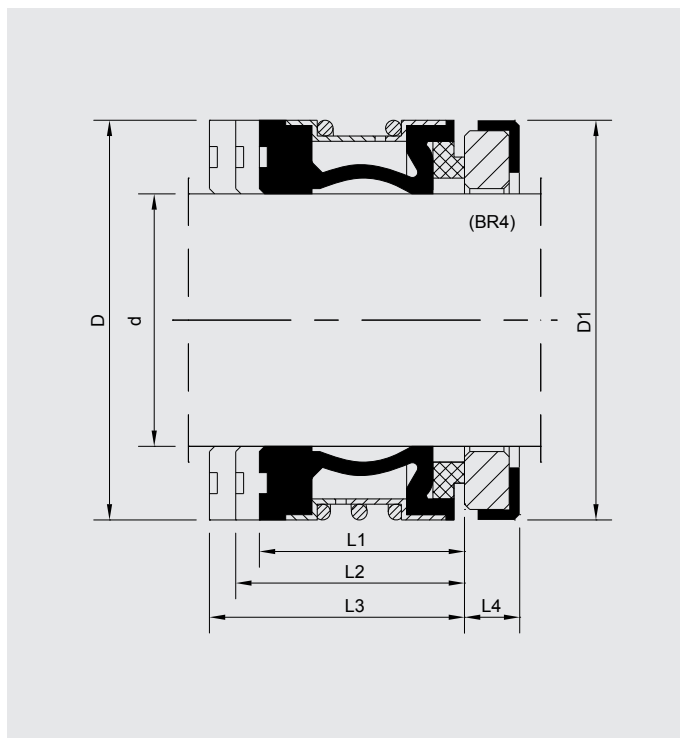


# Chicago

Elastomer bellows seals



## Technical features

- Single seal
- Unbalanced
- Single spring
- Elastomer bellows
- Bayonet drive
- To DIN 24960

## Operating limits

P = 261 PSI

T = -95 to 320°F

V = 49 ft/s

Description	Materials
Primary rings	silicon carbide, tungsten carbide, carbon graphite, graphite filled sic.
Mating rings	silicon carbide, ceramic, tungsten carbide
Secondary seals	Neoprene, NBR, EPDM, Viton
Metal parts	Stainless 304 / Stainless 316*

\*upon request

## Available products:

Metric size

- Chicago 1 (CG1)
- Chicago 2 (CG2)
- Chicago 3 (CG3)

Imperial size

- Chicago 4 (CG4)
- Chicago 5 (CG5)
- Chicago 6 (CG6)

## Mating rings

- BR2 (standard)
- BR4 (for CG1, CG2, CG3)
- FR1 (for CG4, CG5, CG6)

For more details on mating rings see page 29

		CG1			CG2			CG3			BR4		CG4			*CG5		CG6	
d	D	L1	L2	L3	D1	L4	d	D	L1	L2	L3	d	D	L1	L2	L3			
10	20	15	27.5	35	21	5	.500	.945	.591	.812	.656								
12	22	15	26.5	34	23	6	.625	1.024	.591	.875	.718								
14	24	15	29	34	25	6	.750	1.260	.787	.875	.718								
15	25	15	29	34	26	6	.875	1.417	.787	.937	-								
16	26	15	29	34	27	6	1.000	1.535	.787	1.000	.812								
18	32	20	31.5	39	33	6	1.125	1.654	1.024	1.062	-								
20	34	20	31.5	39	35	6	1.250	1.811	1.024	1.062	-								
22	36	20	31.5	39	37	6	1.375	1.929	1.024	1.125	-								
24	38	20	34	44	39	6	1.500	2.126	1.181	1.187	-								
25	39	20	34	44	40	6	1.625	2.205	1.181	1.375	-								
28	42	26	36.5	44	43	6	1.750	2.402	1.181	1.375	-								
30	44	26	35.5	43	45	7	1.875	2.520	1.181	1.500	-								
32	46	26	35.5	48	48	7	2.000	2.598	1.181	1.500	-								
33	47	26	35.5	48	48	7	2.125	2.717	1.181	1.687	-								
35	49	26	34.5	47	50	8	2.250	3.031	1.299	1.687	-								
38	54	30	37	47	56	8	2.375	3.150	1.299	1.812	-								
40	56	30	37	47	58	8	2.500	3.268	1.299	1.812	-								
43	59	30	37	52	61	8	2.625	3.465	1.299	1.937	-								
45	61	30	37	52	63	8	2.750	3.504	1.299	1.937	-								
48	64	30	35	50	66	10	2.875	3.780	1.299	2.062	-								
50	66	30	37.5	50	70	10	3.000	3.898	1.575	2.062	-								
53	69	30	37.5	60	73	10													
55	71	30	37.5	60	75	10													
58	78	33	42.5	60	78	10													
60	80	33	40.5	58	80	12													
63	83	33	40.5	58	83	12													
65	85	33	40.5	68	85	12													
68	88	33	40.5	68	90	12													
70	90	33	48	68	92	12													
75	99	40	48	68	97	12													
80	104	40	47.5	77.5	105	12.5													
85	109	40	47.5	77.5	110	12.5													
90	114	40	52.5	77.5	115	12.5													
95	119	40	52.5	77.5	120	12.5													
100	124	40	52.5	77.5	125	12.5													