

# C211 / C911 Single Seals

## Standard Mechanical Seals - Pusher Seals



### Product Description

1. Single seal configuration
2. Balanced design
3. Independent of direction of rotation
4. Stationary design with multiple springs

### Technical Features

1. Compact design
2. Capable of withstanding high pressure
3. O-ring is dynamically loaded to prevent shaft damage.
4. Spring loaded stationary design accommodates shaft misalignments
5. Can handle media with solid content
6. Easy to assemble due to short axial installation length

### Typical Industrial Applications

All seal chambers with a very short axial installation length  
 Bearing seal  
 Lube oils  
 Process industry  
 Roller seal

### Materials

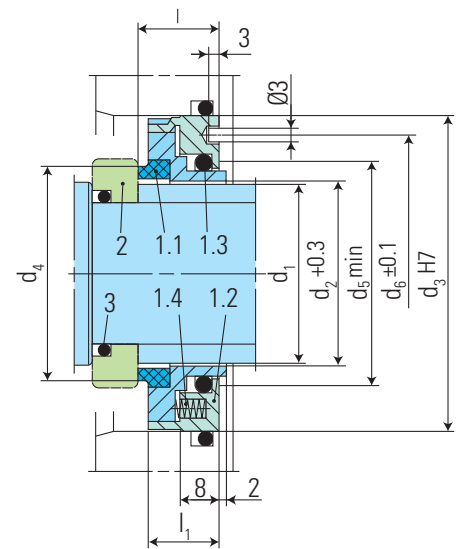
Seal face: Carbon graphite antimony impregnated (A), Carbon graphite resin impregnated (B)

### Performance Capabilities

Sizes:  $d_1 =$  Upto 100 mm (Upto 4.000")  
 Pressure:  $p_1 = 25$  bar (363 PSI)  
 Temperature:  $t = -40$  °C...+180 °C  
 (- 40 °F...+ 356 °F)  
 Speed = 50 m/s (164 ft/s)

Item	Part no.	Description
1.1	472	Seal face
	473	Seal face housing
1.2	485	Drive collar
1.3		O-ring
1.4	477	Spring
2	475	Rotating seat*)
3	412.2	O-ring
<b>DIN 24250</b>		

\*) The seat design is chosen according to the specific requirements and conditions of operation.



**Note:** The item numbers as depicted above are based on our technical experience and knowledge and are placed in the chronological order of their assembly procedure.

### Dimensional Data

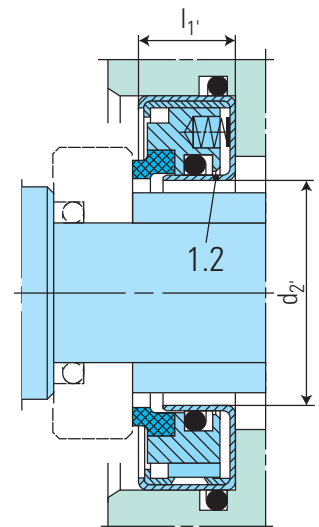
#### Dimensions in millimeter

$d_1$	$d_2$	$d_2'$	$d_3$	$d_4$	$d_5$	$d_6$	$l$	$l_1$	$l_1'$
15	16	17	42	22.6	21	34	17	15.0	16
18	19	-	45	25.6	24	37	17	15.0	-
20	21	22	48	27.6	26	40	17	15.0	16
22	23	24	50	29.6	28	42	17	15.0	16
25	26	27	52	32.8	31	44	17	15.0	16
28	29	-	55	35.8	34	47	17	15.0	-
30	31	32	58	37.8	36	50	17	15.0	16
32	33	34	60	39.8	38	52	17	15.0	16
35	36	37	62	42.8	41	54	17	15.0	16
38	39	40	65	45.9	44	57	17	15.0	16
40	41	42	68	47.9	46	60	17	15.0	16
42	43	44	72	49.9	48	64	17	15.0	16
45	46	47	75	52.9	51	67	17	15.0	16
48	49	-	80	55.9	54	72	17	15.0	-
50	51	52	80	58.2	56	72	17	15.0	16
52	53	-	82	60.2	58	74	17	15.0	-
55	56	57	85	63.2	61	77	17	15.0	16
58	59	-	90	66.7	64	82	17	15.0	-
60	61	62	90	68.7	66	82	17	15.0	16
65	66	67	95	73.7	71	87	19	16.5	18
68	69	70	100	76.7	74	92	19	16.5	18
70	71	72	100	78.7	76	92	19	16.5	18
75	76	77	108	83.7	81	100	19	16.5	18
80	81	82	112	88.7	86	104	19	16.5	18
85	86	87	118	93.7	91	110	19	16.5	18
90	91	92	122	99.5	96	114	19	16.5	18
95	96	97	128	104.5	101	120	19	16.5	18
100	101	102	132	109.5	106	124	19	16.5	18

### Design Variations

#### B800

Dimensions, items and description as B100. Drive collars and housings for item 1.2 are made of deepdrawn stainless steel sheet



inch size available from size 0.750 to 4.000

**Note:** Additional technical & dimensional information will be provided on request.