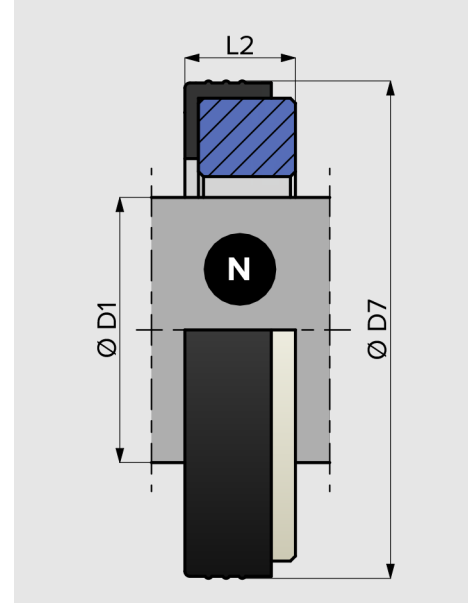
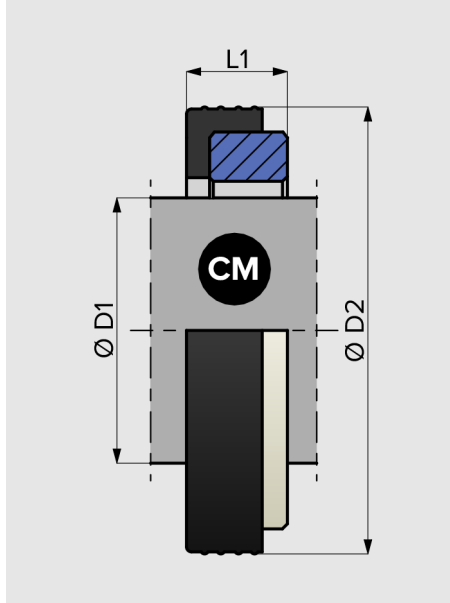
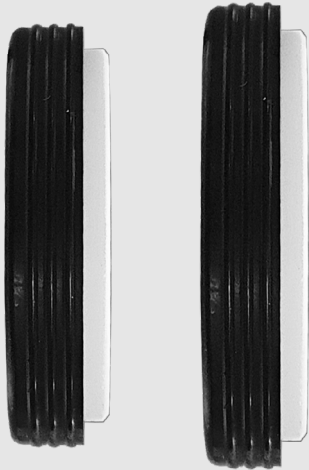


# CM / N SEAT 'IMPERIAL - BOOT MOUNTED' SPECIFICATION SHEET



- ▶ **Boot Mounted Stationary**
- ▶ **Anti-rotation by friction**

Boot or cup mounted seats are often used in high volume production pumps. The seat is push fitted into a recess in the seal plate known as the gland, which is bolted to the face of the seal chamber. It relies entirely on friction to prevent rotation during operation.

CM seat is John Crane's designation, specifically for cup seats used in conjunction with the Type 21 mechanical seals for imperial sized shafts. The OD or cavity size is to suit American (US) standards.

N seat is also John Crane's designation but for cavity sizes to suit European (UK) standards. It is often paired with Type 1A & 2A but also used in pump-specific applications.

▶ **Materials of Construction**

Stationary Face: CER, SiC or TC  
Cup Elastomer: N or V

**CM EQUIVALENT (US)**

Sealol: CU Seat  
E.Burgmann: G55

**N EQUIVALENT (EURO)**

Sealol: CE Seat  
E.Burgmann: G50

## CM SEAT US - Standard

D1	D2	L1	
0.375"	0.875"	22.23	8.0
0.500"	1.000"	25.40	8.0
0.625"	1.250"	31.75	10.3
0.750"	1.375"	34.93	10.3
0.875"	1.500"	38.10	10.3
1.000"	1.625"	41.28	11.0
1.125"	1.750"	44.45	11.0
1.250"	1.875"	47.63	11.0
1.375"	2.000"	50.80	11.0
1.500"	2.125"	53.98	11.0
1.625"	2.375"	60.33	12.7
1.750"	2.500"	63.50	12.7
1.875"	2.625"	66.68	12.7
2.000"	2.750"	69.85	12.7
2.125"	3.000"	76.20	14.3
2.250"	3.125"	79.38	14.3
2.375"	3.250"	82.55	14.3
2.500"	3.375"	85.73	14.3
2.625"	3.375"	85.73	16.0
2.750"	3.500"	88.90	16.0
2.875"	3.750"	95.25	16.0
3.000"	3.875"	98.43	16.0
3.125"	4.000"	101.60	19.8
3.250"	4.125"	104.78	19.8
3.375"	4.250"	107.95	19.8
3.500"	4.375"	111.13	19.8
3.625"	4.500"	114.30	19.8
3.750"	4.625"	117.48	19.8
3.875"	4.750"	120.65	19.8
4.000"	4.875"	123.83	19.8

## N SEAT Euro - Standard

D1	D7	L1	
0.375"	24.60	8.7	
0.500"	27.80	8.7	
0.625"	30.95	10.3	
0.750"	34.15	10.3	
0.875"	37.30	10.3	
1.000"	40.50	10.3	
1.125"	47.65	11.9	
1.250"	50.80	11.9	
1.375"	54.00	11.9	
1.500"	57.15	11.9	
1.625"	60.35	11.9	
1.750"	63.50	11.9	
1.875"	66.70	11.9	
2.000"	69.85	13.5	
2.125"	73.05	13.5	
2.250"	76.20	13.5	
2.375"	79.40	13.5	
2.500"	82.55	13.5	
2.625"	92.10	15.9	
2.750"	95.25	15.9	
2.875"	98.45	15.9	
3.000"	101.60	15.9	
3.125"	111.15	19.8	
3.250"	114.30	19.8	
3.375"	117.50	19.8	
3.500"	120.65	19.8	
3.625"	123.85	19.8	
3.750"	127.00	19.8	
3.875"	130.20	19.8	
4.000"	133.35	19.8	