

# Sensorized Counter Ring | Data sheet

EFFECTICE JANUARY 2025

Integrated sensor for monitoring the lubrication condition and the temperature in the sealing gap.

## User Benefits

- Ready-to-install design
- Easy to install with coded electrical connection plug

## Design Features

- Only suitable for external load
- Easy assembly due to pre-assembled unit
- Installation space based on DIN EN 12756
- Standard cable length 1m, other lengths on request
- M8 connector
- The sensor requires a BeMoS One Controller or a SealDOT from the manufacturer BestSens

## Operating Limits \*

- Pressure: Up to 50 barg
- Temperature: -20 °C to 150 °C
- Sliding speed: Up to 25 m/s

\* Depending on the material selection  
Not all limits can be reached at the same time

## Materials

Sliding materials

- Counter ring: Silicon carbide, Tungsten carbide
- Secondary seals: EPDM, FKM, FEP/FKM, FFKM, PTFE
- Other parts: CrNiMo-steel

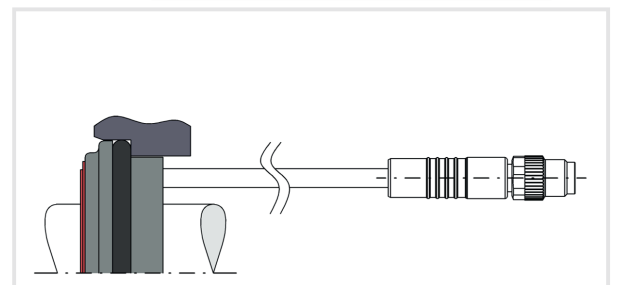
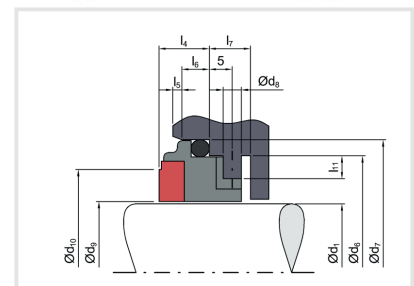
Other materials on request

## Sizes

Size	d <sub>1</sub> h6	d <sub>6</sub> H11	d <sub>7</sub> H8	d <sub>8</sub>	d <sub>9</sub>	d <sub>10</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	l <sub>7</sub>	l <sub>11</sub>
20	20	39	45	3	21	34	10	2	5	9	4
22	22	42	48	3	23	36	10	2	5	9	4
25	25	44	50	3	26	39	10	2	5	9	4
28	28	49	56	4	29	43	11	2	6	9	5
30	30	51	58	4	31	45	11	2	6	9	5
33	33	54	61	4	34	48	11	2	6	9	5
35	35	56	63	4	36	50	11	2	6	9	5
38	38	59	66	4	39	53	11	2	6	9	5
40	40	62	70	4	41	55	13	2,5	6	9	5,5
43	43	65	73	4	44	58	13	2,5	6	9	5,5
45	45	67	75	4	46	60	13	2,5	6	9	5,5
48	48	70	78	4	49	63	13	2,5	6	9	5,5
50	50	72	80	4	51	65	13	2,5	6	9	5,5
53	53	75	83	4	54,3	68,3	13	2,5	6	9	5,5
55	55	77	85	4	56,3	70,3	13	2,5	6	9	5,5
58	58	81	90	4	59,3	73,3	15	2,5	7	9	6
60	60	83	92	4	61,3	75,3	15	2,5	7	9	6
65	65	88	97	4	66,3	80,3	15	2,5	7	9	6
70	70	95	105	4	71,3	86,3	15,5	3	7	9	7
75	75	100	110	4	76,3	91,3	15,5	3	7	9	7
80	80	105	115	4	81,3	96,3	15,5	3	7	9	7
85	85	110	120	4	86,3	101,3	15,5	3	7	9	7
90	90	115	125	4	91,3	106,3	15,5	3	7	9	7



Sensorized counter ring and sealDOT



Additional technical information will be provided upon request. All dimensions in mm. Special sizes on request.