

Product Information

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 ^{1) 2)}

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

¹⁾ Depending on the material selection

²⁾ Not all limits can be reached at the same time

Materials

Sliding materials

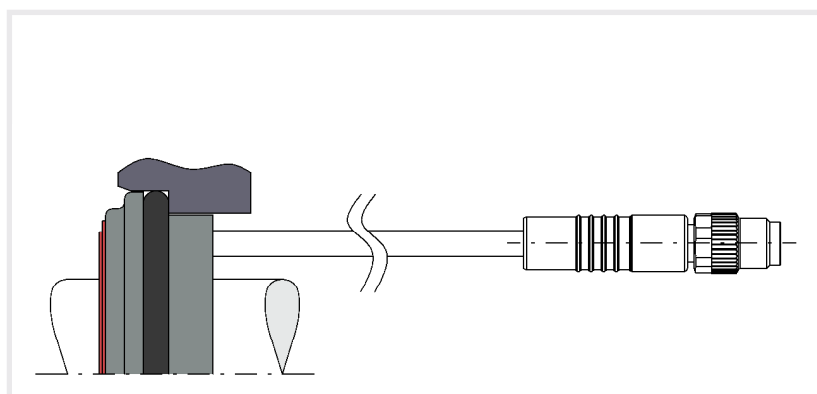
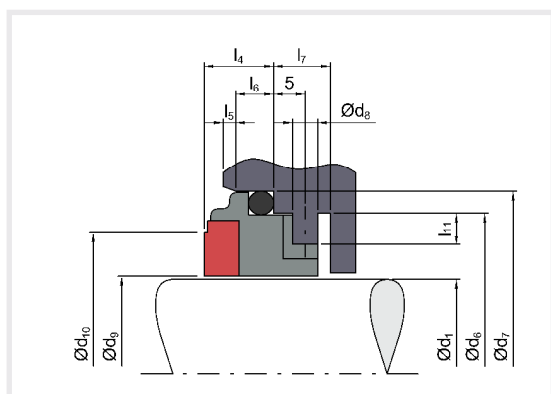
Counter ring:	Silicon carbide, Tungsten carbide
Secondary seals:	EPDM, FKM, FEP/FKM, FFKM, PTFE

Other parts: CrNiMo-steel

Other materials on request



The illustration shows a possible combination of spring-loaded unit, sensorized counter ring and SealDOT



Size	d ₁ h6	d ₆ H11	d ₇ H8	d ₈	d ₉	d ₁₀	l ₄	l ₅	l ₆	l ₇	l ₁₁
020	20	39	45	3	21	34	10	2	5	9	4
022	22	42	48	3	23	36	10	2	5	9	4
025	25	44	50	3	26	39	10	2	5	9	4
028	28	49	56	4	29	43	11	2	6	9	5
030	30	51	58	4	31	45	11	2	6	9	5
033	33	54	61	4	34	48	11	2	6	9	5
035	35	56	63	4	36	50	11	2	6	9	5
038	38	59	66	4	39	53	11	2	6	9	5
040	40	62	70	4	41	55	13	2,5	6	9	5,5
043	43	65	73	4	44	58	13	2,5	6	9	5,5
045	45	67	75	4	46	60	13	2,5	6	9	5,5
048	48	70	78	4	49	63	13	2,5	6	9	5,5
050	50	72	80	4	51	65	13	2,5	6	9	5,5
053	53	75	83	4	54,3	68,3	13	2,5	6	9	5,5
055	55	77	85	4	56,3	70,3	13	2,5	6	9	5,5
058	58	81	90	4	59,3	73,3	15	2,5	7	9	6
060	60	83	92	4	61,3	75,3	15	2,5	7	9	6
065	65	88	97	4	66,3	80,3	15	2,5	7	9	6
070	70	95	105	4	71,3	86,3	15,5	3	7	9	7
075	75	100	110	4	76,3	91,3	15,5	3	7	9	7
080	80	105	115	4	81,3	96,3	15,5	3	7	9	7
085	85	110	120	4	86,3	101,3	15,5	3	7	9	7
090	90	115	125	4	91,3	106,3	15,5	3	7	9	7

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