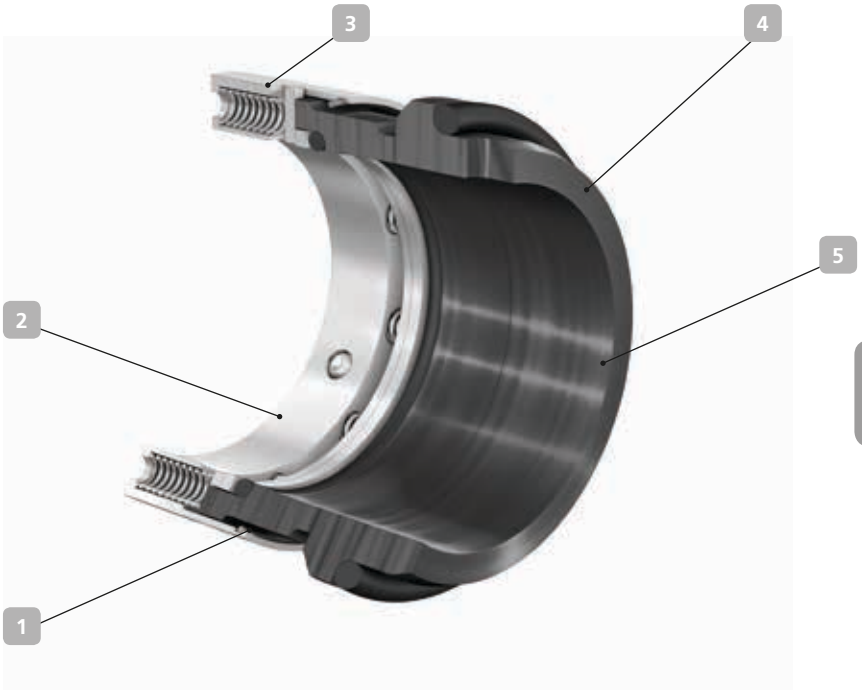
5A – for all KSB type series with a standardised seal to EN 12756



Applications:
universal

1 Easy to install

The single seal features a circlip which holds together the dynamic unit. This makes installation so much easier compared with similar competitor seals.

2 Versatile

Also for use with a quench system or as double mechanical seal in back-to-back arrangement or tandem arrangement.

3 Universal

The seal is designed for universal use and fits perfectly into standardised installation spaces, e.g. of Multitec, MegaCPK and Etanorm pumps.

4 Dependable

Suitable for all pumps with standardised seals. Many material combinations available.

5 Interchangeable

The seal can replace other seals with standardised installation dimension, such as Burgmann M7N or Crane 58U, without any modifications.

Technical description

Design	Single mechanical seal
Type	Dynamic, unbalanced
Springs	Multi-spring arrangement
Direction of rotation	Bi-directional
Additional information	Approved for drinking water (WRAS)

Materials

Primary ring	SiC (Q1) / "B" carbon (B) / "A" carbon (A), tungsten carbide (U)
Mating ring	SiC (Q1) / tungsten carbide (U)
Elastomers	EPDM (E) / FKM (V)
Springs	1.4571 (G) / 2.4610 (M)
Other Components	1.4571 (G)

Technical data

Operating pressure	Up to 16 bar dynamic up to 37.5 bar static
Temperature	-30 °C to 220 °C
Spring travel	+/- 3 mm
Seal size	See standardised seal selection chart on the next page
Business type	Standard (KSB EasySelect)

Higher application limits on request

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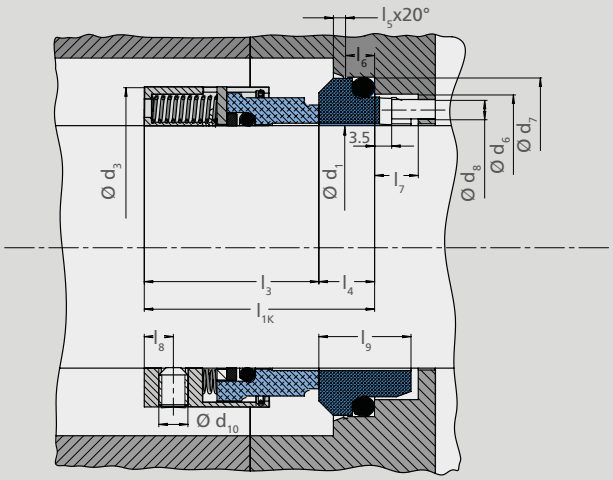
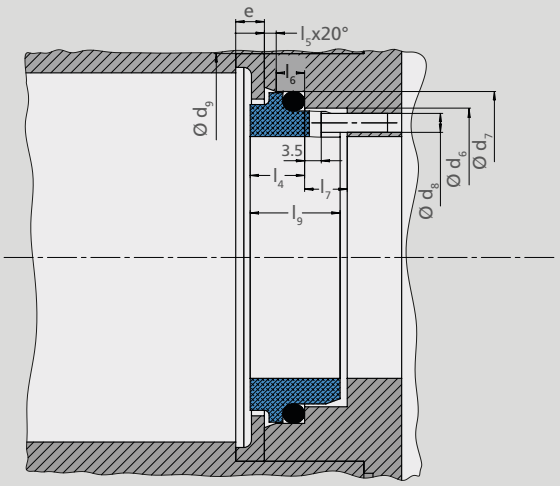


Mating ring without seat lock



Mating ring with seat lock

Dimensions for 5A (in mm)

Nominal diameter d_1 h6	Maximum d_3 [1]	d_6 H11	d_7 H8	d_8	d_9 H8	d_{10}	e	l_1K [2] ± 0.5	l_3	l_4	l_5	l_6	l_7 +0.5	l_8	l_9
28	42	37	43	3	48	M5x6	4	42.5	32.5	10	2	5	9	6	17.5
30	44	39	45		50	M5x6			32.5	10					
32	46	42	48		53	M5x6			32.5	10					
33	47	42	48		53	M6x6			32.5	10				6.5	
35	49	44	50		60	M6x6			32.5	10					
38	54	49	56	4	62	M6x8	6	45	34	11		6			18.5
40	56	51	58		65	M6x8			34	11					
43	59	54	61		67	M6x8			34	11				6	
45	61	56	63		70	M6x8			34	11					
48	64	59	66		72	M6x8			34	11					
50	66	62	70		75	M6x8		47.5	36	11.5	2.5			7.5	19
53	69	65	73		77	M6x8			36	11.5					
55	71	67	75		86	M6x8			36	11.5					
58	78	70	78		88	M6x10		52.5	41	11.5				6	
60	80	72	80		91	M6x10			41	11.5					
63	83	75	83		93	M6x10			41	11.5				8.5	
65	85	77	85		96	M8x10			41	11.5					
68	88	81	90		98	M8x10			40	12.5		7			20
70	90	83	92		103	M8x10		60	47.5	12.5					
75	99	88	97		108	M8x12			47.5	12.5				10	
80	104	95	105		120	M8x12			47	13	3				20.5
85	109	100	110		125	M8x12			47	13					
90	114	105	115		130	M8x12		65	52	13				12	
95	119	110	120		135	M8x12			52	13					
100	124	115	125		140	M8x12			52	13					

[1] To determine the safety distance between rotating and stationary components the dimensions d_3 are recommended as maximum dimensions.

[2] The mechanical seal manufacturer may supply a mechanical seal shorter than l_1. Any differences in length should be compensated by means of a spacer which should also be supplied by the manufacturer of the mechanical seal.

The blue marking indicates that the KSB seal is on stock.