

## 5B – 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.

### 2 Versatile

Also for use with a quench system or as double 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 and MegaCPK 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 dimensions such as Burgmann H7N or Crane 58B without any modifications.

#### Technical description

Design	Single mechanical seal
Type	Dynamic, balanced
Springs	Multi-spring arrangement
Direction of rotation	Bi-directional
Additional information	WRAS drinking water approval

#### Materials

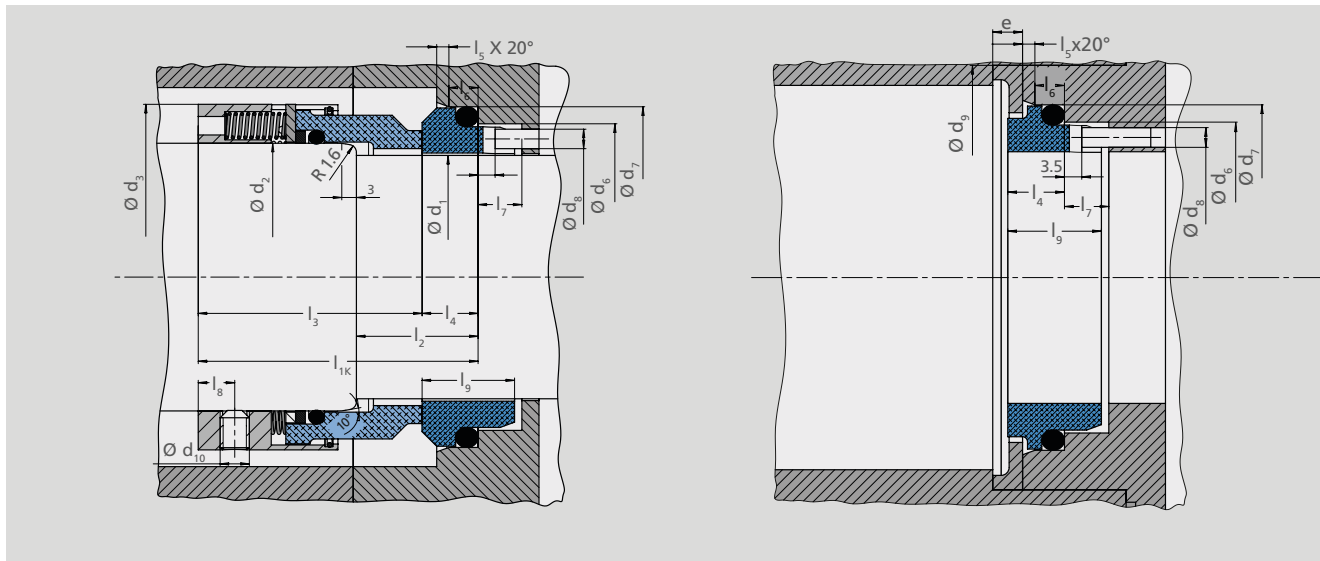
Primary ring	SiC (Q1) / "B" carbon (B) / "A" carbon (A), tungsten carbide (U)
Mating ring	SiC (Q1) / tungsten carbide (U)
Elastomers	EPDM (E) / FKM (V)
Springs	1.4571 (G) / 2.4610 (M)
Other Components	1.4571 (G)

#### Technical data

Operating pressure	Up to 25 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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Dimensions for 5B (in mm)

Nominal diameter	$d_1$	$d_2$	Maximum $d_3^{1)}$	$d_6$	$d_7$	$d_8$	$d_9$	$d_{10}$	$e$	$l_1 K^{2)}$	$l_2$	$l_3$	$l_4$	$l_5$	$l_6$	$l_7$	$l_8$	$l_9$
	h6	h6		H11	H8		H8			$\pm 0.5$	$\pm 0.5$					$+0.5$		
28	33	47	37	43	3	53	M6x6	4	50	20	40	10	5	6.5	17.5			
30	35	49	39	45		60	M6x6				40	10						
33	38	54	42	48		62	M6x8				40	10						
35	40	56	44	50	4	65	M6x8	52.5	23	40	10	2	6	18.5				
38	43	59	49	56		67	M6x8			41.5	11							
40	45	61	51	58		70	M6x8			41.5	11							
43	48	64	54	61	4	72	M6x8	62.5	25	41.5	11	2.5	8.5	19				
45	50	66	56	63		75	M6x8			41.5	11							
48	53	69	59	66		77	M6x8			41.5	11							
50	55	71	62	70	4	86	M6x8	70	28	46	11.5	6	7.5	20				
53	58	78	65	73		88	M6x10			46	11.5							
55	60	80	67	75		91	M6x10			46	11.5							
58	63	83	70	78	4	93	M6x10	62.5	25	51	11.5	2.5	8.5	19				
60	65	85	72	80		96	M8x10			51	11.5							
63	68	88	75	83		98	M8x10			51	11.5							
65	70	90	77	85	4	103	M8x10	70	28	51	11.5	2.5	8.5	19				
70	75	99	83	92		108	M8x12			57.5	12.5							
75	80	104	88	97		120	M8x12			57.5	12.5							
80	85	109	95	105	4	125	M8x12	75	28	57	13	3	7	12	20.5			
85	90	114	100	110		130	M8x12			62	13							
90	95	119	105	115		135	M8x12			62	13							
95	100	124	110	120	4	140	M8x12	75	28	62	13	3	7	12	20.5			
100	105	129	115	125		145	M8x12			62	13							

<sup>1)</sup> To determine the safety distance between rotating and stationary components the dimensions  $d_3$  are recommended as maximum dimensions.

<sup>2)</sup> 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.