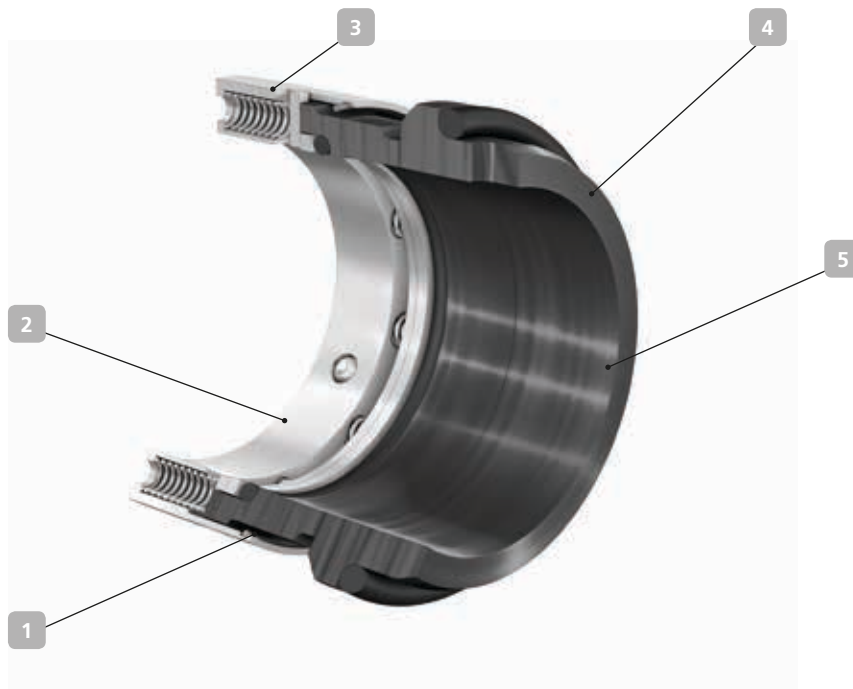


5A – for all KSB type series with a standardised seal to EN 12756



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) |

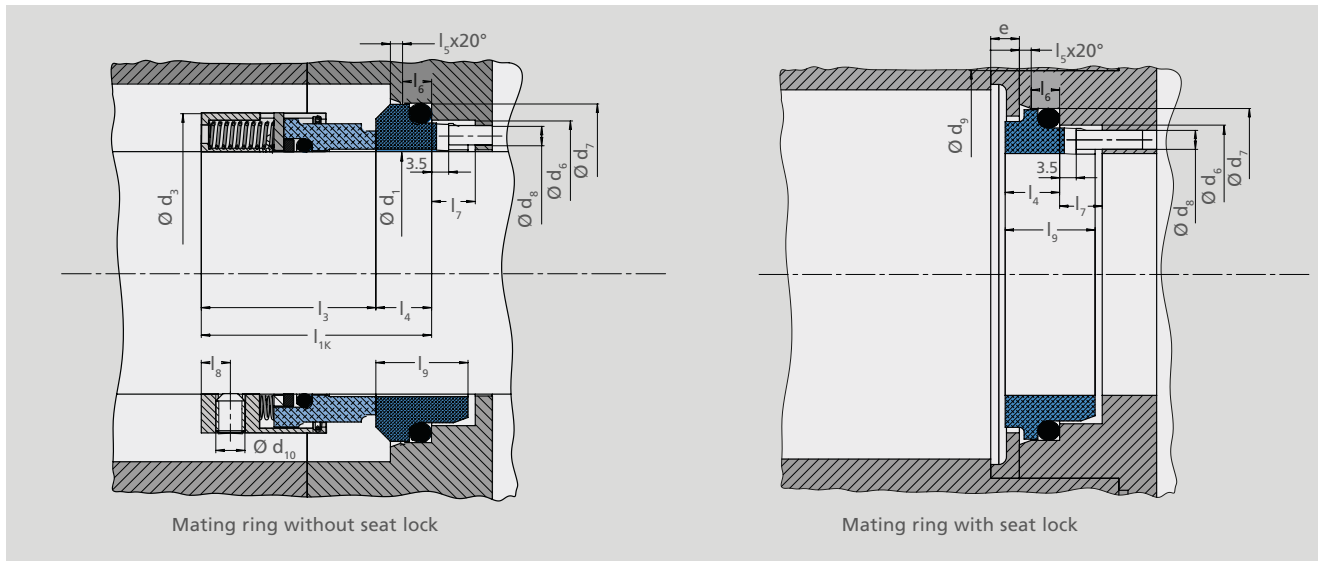
Materials

| | |
|------------------|------------------------------------------------------------------|
| 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 | |

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



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 | $l_1 K^{2)}$ ± 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 | 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 | 4 | 53 | M6x6 | 6 | 45 | 32.5 | 10 | 2 | 6 | 6.5 | 18.5 | |
| 35 | 49 | 44 | 50 | | 60 | M6x6 | | | 32.5 | 10 | | | | | |
| 38 | 54 | 49 | 56 | | 62 | M6x8 | | | 34 | 11 | | | | | |
| 40 | 56 | 51 | 58 | | 65 | M6x8 | | | 34 | 11 | | | | | |
| 43 | 59 | 54 | 61 | | 67 | M6x8 | | | 34 | 11 | | | | | |
| 45 | 61 | 56 | 63 | | 70 | M6x8 | | | 34 | 11 | | | | | |
| 48 | 64 | 59 | 66 | | 72 | M6x8 | | | 34 | 11 | | | | | |
| 50 | 66 | 62 | 70 | | 75 | M6x8 | | | 36 | 11.5 | | | | | |
| 53 | 69 | 65 | 73 | | 77 | M6x8 | | | 36 | 11.5 | | | | | |
| 55 | 71 | 67 | 75 | | 86 | M6x8 | | | 36 | 11.5 | | | | | |
| 58 | 78 | 70 | 78 | 88 | M6x10 | 41 | 11.5 | 6 | 9 | 7.5 | 19 | | | | |
| 60 | 80 | 72 | 80 | 91 | M6x10 | 41 | 11.5 | | | | | | | | |
| 63 | 83 | 75 | 83 | 93 | M6x10 | 41 | 11.5 | | | | | | | | |
| 65 | 85 | 77 | 85 | 96 | M8x10 | 41 | 11.5 | | | | | | | | |
| 68 | 88 | 81 | 90 | 98 | M8x10 | 40 | 12.5 | | | | | | | | |
| 70 | 90 | 83 | 92 | 103 | M8x10 | 47.5 | 12.5 | | | | | | | | |
| 75 | 99 | 88 | 97 | 108 | M8x12 | 47.5 | 12.5 | | | | | | | | |
| 80 | 104 | 95 | 105 | 120 | M8x12 | 47 | 13 | | | | | | | | |
| 85 | 109 | 100 | 110 | 125 | M8x12 | 47 | 13 | | | | | | | | |
| 90 | 114 | 105 | 115 | 130 | M8x12 | 52 | 13 | | | | | | | | |
| 95 | 119 | 110 | 120 | 135 | M8x12 | 52 | 13 | 7 | 10 | 20 | | | | | |
| 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.