



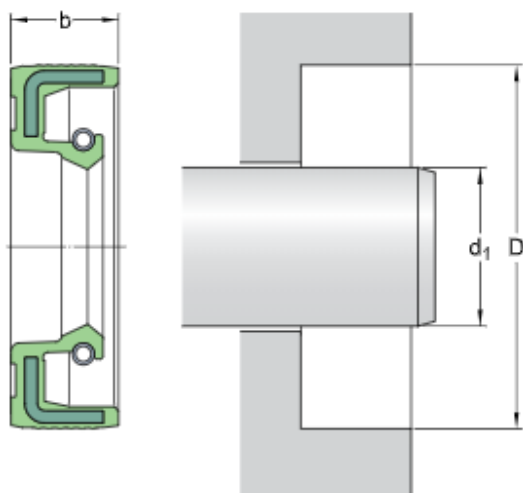
## 10X19X7 HMS5 RG1

### Radial shaft seals for general industrial applications

Radial shaft seals sit between rotating and stationary components, or two components in relative motion. They have two main parts. One is a cylindrical outer covering with an interference fit that seals statically against the housing bore. The second, a sealing lip, seals dynamically and statically against the shaft. Its sealing edge presses against the counterface surface of the shaft with a defined radial load.

### Technical specification

|                          |                         |
|--------------------------|-------------------------|
| Type of outside diameter | Rubber metal reinforced |
| Lip material             | Nitrile rubber (NBR)    |
| Seal design              | HMS5                    |



### DIMENSIONS

|       |       |
|-------|-------|
| $d_1$ | 10 mm |
| D     | 19 mm |
| b     | 7 mm  |

## APPLICATION AND OPERATING CONDITIONS

|                                                  |                 |
|--------------------------------------------------|-----------------|
| Operating temperature                            | min. -40 °C     |
| Operating temperature                            | max. 100 °C     |
| Permissible operating temperature, short periods | max. 120 °C     |
| Shaft speed                                      | max. 2520 r/min |
| Shaft surface speed                              | max. 1.31 m/s   |

## PRODUCT FAMILIES

[Seals for general industrial applications](#)

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