



## Radial shaft seal Simmerring® BAUMSL



### DESCRIPTION

- Standard design according to DIN 3760
- With tension spring
- Rubberized outer jacket
- With protective lip
- Sealing material: FKM, NBF
- Material reinforcement sheet: unalloyed steel DIN EN 10027-1
- Material tension spring: spring steel DIN EN 10270-1

### FUNCTION

- Dynamic sealing of a rotating shaft, independent of the direction of rotation
- Self-retaining
- Good static seal between sealing lip and shaft at standstill
- Rubberized outer jacket ensures tight fit and seal to housing bore
- Protective lip against dirt accumulation from outside
- Stronger friction can lead to temperature increase

### PRODUCT ADVANTAGES

- Very good static sealing effect with low-viscosity or gaseous media.

- Compensation of thermal expansion e.g. in light metal housings, very good sealing effect with greater roughness and split housings
- High chemical resistance
- High temperature resistant
- Highest quality
- Highest functional reliability
- Longest service life

### APPLICATIONS

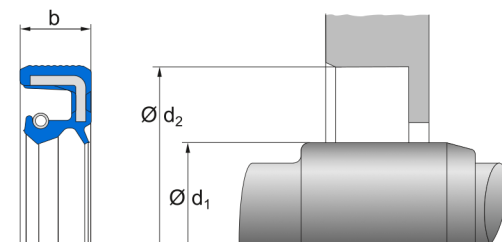
- Industrial gearboxes
- Axles (with moderate exposure to dirt)
- Electric tools
- Agricultural and construction machinery gearboxes

### APPLICATION LIMITS

- Permissible maximum values depending on the other operating conditions, see technical manual.

### MEDIA RESISTANCE

- Mineral oils
- Synthetic oils
- Greases
- When using synthetic oils, please note that the maximum operating temperature for NBR materials must not exceed 80°C.
- Please refer to additional information in the chemical resistance guide at [www.fst.com](http://www.fst.com).





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### CONFORMITY AND CERTIFICATES

- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

### DESIGN GUIDELINE

- Please refer to the technical manual for design guidelines.

### INSTALLATION GUIDELINE

- The prerequisite for perfect function of the seal is careful installation in accordance with the technical manual.
- Recommendation: Design the installation space so that axial support in the housing
- Please refer to the technical manual for further installation instructions.

### STORAGE ADVISE

- Storage temperature <25°C
- No direct heat sources
- No direct sunlight
- No condensation in the storage room
- No exposure to ozone or ionizing radiation
- Recommendations based on the revision of ISO 2230 dated 16.09.1992

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