



## Radial shaft seal Simmerring® PPS

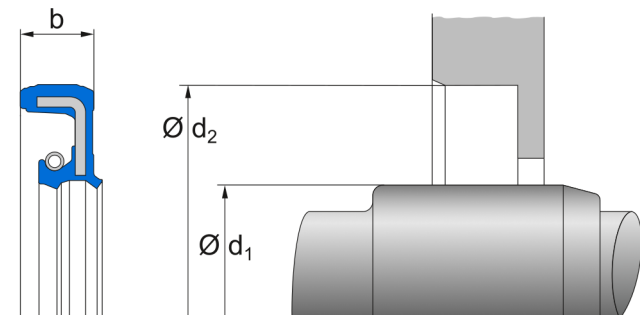


### DESCRIPTION

- With tension spring
- Rubberized outer jacket
- With protective lip
- Shortened sealing lip
- Sealing material: FKM
- 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
- Shortened sealing lip allows higher operating pressure
- 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
- Use at high speeds
- Low friction (up to 50% lower frictional torque than commercially available seals)
- Highest quality
- Highest functional reliability
- Longest service life
- No support ring required

### APPLICATIONS

- Hydrostatic drives

### APPLICATION LIMITS

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

### MEDIA RESISTANCE

- Hydraulic oils ISO VG 68 \*\* Can only be used for flame-retardant and biodegradable hydraulic fluids after individual testing.
- Please refer to additional information in the chemical resistance guide at [www.fst.com](http://www.fst.com).

### 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.



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### 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.

### STORAGE ADVISE

- Storage temperature <math><25^{\circ}\text{C}</math>
- 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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