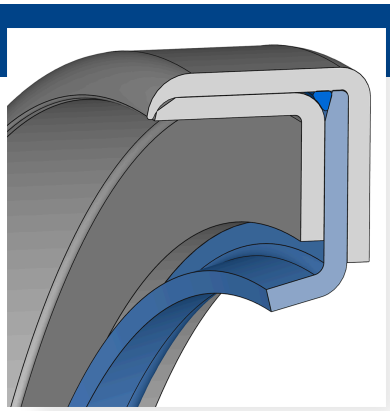

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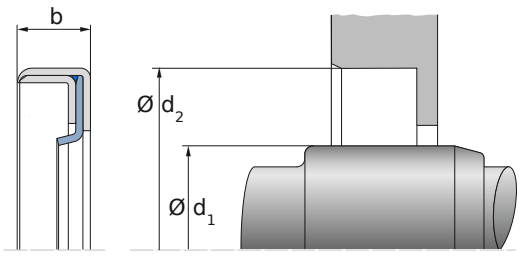
Radial shaft seal Simmerring® B2PT

DESCRIPTION

- Without tension spring
- Open metallic outer jacket
- Without protective lip
- PTFE sealing lip without spring

FUNCTION

- Dynamic sealing of rotating shafts, independent of direction of rotation
- Metallic outer jacket ensures tight and precise fit
- Self-retaining
- Stiffening plate ensures increased rigidity
- Only limited static sealing between sealing lip and shaft at standstill
- Limited sealing of low-viscosity and gaseous media and in split housings
- Additional gluing of the seal into the housing is recommended
- Design without tension spring creates less friction, but also less sealing effect



PRODUCT ADVANTAGES

- High chemical resistance
- Low friction
- Tight fit in installation space (interference fit)
- High temperature resistant
- No stick-slip effect
- Longest service life
- Highest functional reliability
- Suitable for dry running and deficient lubrication
- Anti-adhesive (stick-slip-free behavior)

APPLICATIONS

- Chemical engineering
- Rotary unions
- Mechanical engineering
- Mixers
- Pumps
- Centrifuges

APPLICATION LIMITS

- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.

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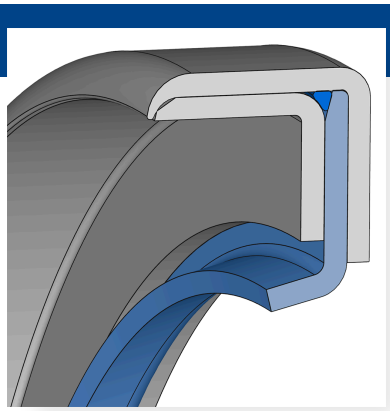
SEALING TECHNOLOGIES



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Radial shaft seal Simmerring® B2PT

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

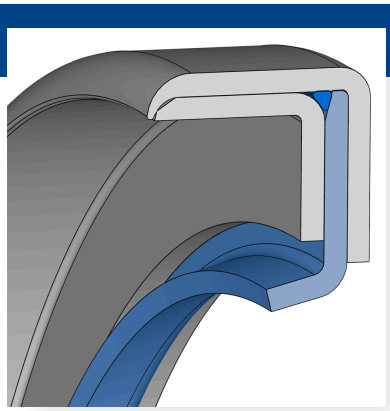
- Please refer to the technical manual for design
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.

INSTALLATION GUIDELINE

- The prerequisite for perfect function of the seal is careful installation in accordance with the technical manual.
- Please follow the QR code or hyperlink to the technical manual to obtain further information and 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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Radial shaft seal Simmerring® B2PT

Permissible low temperature [°C]

PTFE F56101
-80*

* The low-temperature limit depends on shaft runout.

Temperature [°C]

Medium	PTFE F56101
Engine oils	150
Gear oils	150
Hypoid gear oils	140
ATF oils	150
Greases	150
HLP according to DIN 51524 part 2	150
HLVP according to DIN 51524 part 3	150
Group HFC*	150
Group HFD**	150
Heating oil EL and L	100
Air	200
Polyalkylene glycols (PAG)	(a)
Polyalphaolefins (PAO)	(a)
HETG rapeseed oil***	(b)
HEES – synthetic esters	(b)

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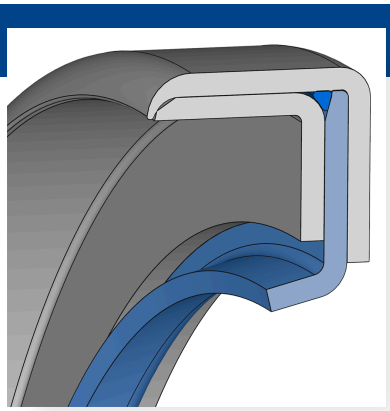
SEALING TECHNOLOGIES



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Radial shaft seal Simmerring® B2PT

Temperature [°C]

Medium	PTFE F56101
HEPG – polyglycols*	(b)
Group HFA*	(b)
Group HFB*	(b)
Brake fluid DOT 3 / DOT 4	(b)
Water*	(c)
Washing solution*	(c)

a = When using FKM materials in synthetic lubricants (PAG and PAO), the maximum operating temperature must be determined by testing or a system trial.

b = resistant, but generally not used for these media

c = on request

* Additional lubrication recommended

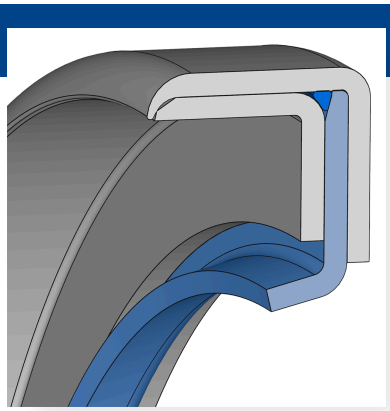
** Resistance depends on the HFD type

*** Operating limits are defined by the fluid

Temperature range at the sealing lip [°C]

PTFE F56101
-80...200

The values given are based on a limited number of tests on standard test specimens (2 mm sample plates) from laboratory production. The data determined from finished parts may deviate from the above values depending on the manufacturing process and the part geometry.



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