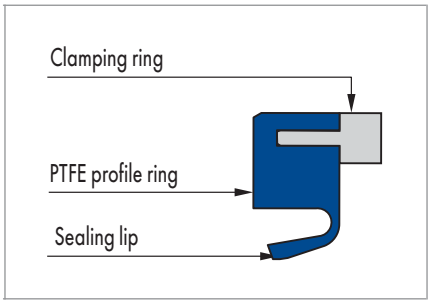
SIMMERRING RADIAMATIC® HTS II TYPE 9535 MADE OF PTFE



PRODUCT DESCRIPTION

Simmerring for open housings. Significantly reduced friction compared to standard geometries due to the patented sealing lip.

PRODUCT ADVANTAGES

- Good dry running properties
- Steam resistant
- Good thermal conductivity
- Electroconductive/antistatic
- Type can be easily matched to housing
- Suitable for water applications
- Anti-adhesive

APPLICATION

- Fans
- Gearboxes
- Compressors
- Pumps
- Electrical drives
- Mixers
- Machine tools

MATERIAL

Profile ring	PTFE carbon K212 *
Clamping ring	Stainless steel *

* Other materials on enquiry.

OPERATING CONDITIONS

Temperature	–80 ... +200 °C
Circumferential speed	18 m/s for 0,15 MPa
	0,6 MPa

When used un-pressurised, significantly higher circumferential speeds are possible. Special versions are available for alternating operation in pressure/vacuum.

DESIGN NOTES

Please observe our general design notes in ➔ Technical Manual.

Hardness of the contact area

Depending on material: 45–65 HRC, >0,5 mm depth of hardening.

Surface quality

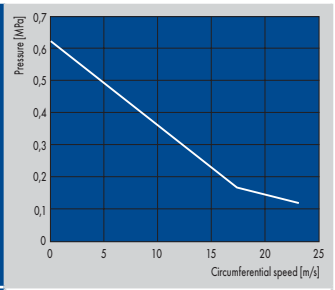
Peak-to-valley heights	R_a	R_t
Housing	<1,8 µm	<10,0 µm
Shaft, ground with no lead	0,1 ... 0,2 µm	0,5 ... 1,0 µm

Tolerances

Housing bore	Shaft	Radial shaft deflection, max.*
H8	h11	±0,05 mm

* Depending on increase in rotational speed, the radial shaft deflection may need to be more tightly limited. Please enquire.

p · v diagram

p · v diagram	
Test time	5–6 h dynamic; 4–16 h static/un-pressurised
Medium	Heat transfer oil
Temperature T	85 °C at the seal

FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal. ➔ Technical Manual.