



## Sector Specific Solutions for Power Transmission

Your Technology Specialist

**simrit**<sup>®</sup>

# Simrit has the right solution for the most critical demands placed on modern power transmission

**Simrit's total package of sealing and vibration control components offers you the highest standard of quality and operational reliability from a single source.**

Ranging from the O-Ring, the unique Simmerring programme to the robust vibration control component, you receive cutting-edge technology for every application in power transmission. With many standard designs for the cost-effective use of components in your systems and innovative types of materials and designs. Thus, you benefit not only from a high degree of operational reliability in sealing and attenuation of gearboxes and power units but, thanks to our complete package, you can also optimise your supplier pool especially cost-effectively and efficiently.

## ① **Sealing cover GA**

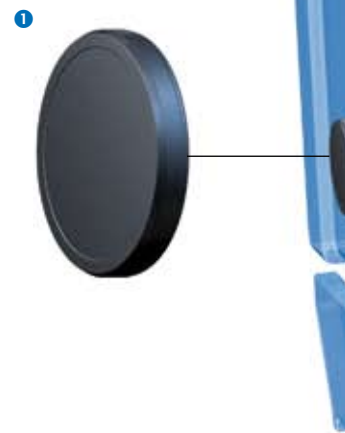
Elastomer-sheathed sealing cover with pressure fit as static seal of bores e.g. in gearboxes. The elastomer external sleeve secures the seal even when the bore is very rough, or with heat expansion and separate housings. Standard material: NBR; special materials: FKM, ACM, AEM, ...

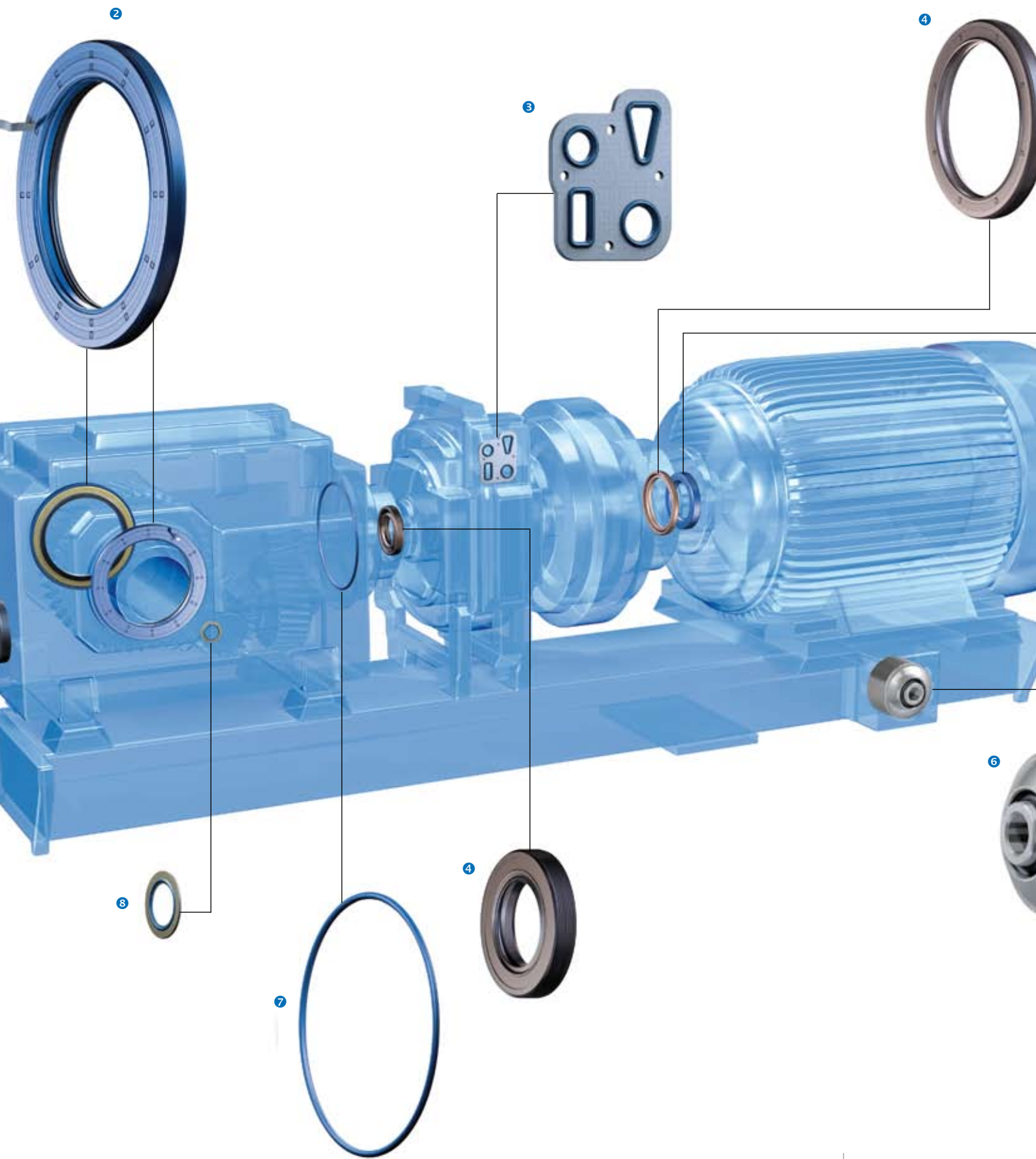
## ② **Simmerring® MSS 1 and MSS 1+ Condition Monitoring**

MSS1 – the standard Simmerring BA...U...SL as basic module combined with an inner buffer seal with sine-shaped sealing lip as a single-piece solution. The Simmerring MSS 1+ is an improved development of the Simmerring MSS 1 with the addition of integrated condition monitoring.

## ③ **Sealing plates/ rubberised sheet seals**

Join several, often different seal contact areas with each other, e.g. as flange connection for drive units. They reduce the number of single parts and thus procurement and installation costs. Locating bores for O-Rings can be omitted. Materials: NBR, EPDM, FKM, HNBR, Carrier: aluminium, steel.







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#### **Simmerring® BAUM, BAUMSL**

Standard design to DIN 3760 with elastomer exterior sleeve and spring-loaded sealing lip made of fluororubber 75 FKM 585 for heavy thermal and chemical requirements. Available with and without additional dust lip against mild to medium accumulation of external dirt.

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#### **Simmerring® BAUX2, BAUSLX2**

Standard designs to DIN 3760, with elastomer exterior sleeve, with and without additional dust lip (DL) against mild to medium accumulation of external dirt. Available in various designs and materials. Standard material 72 NBR 902.

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#### **Spherical Mount**

Construction elements in which an inner sphere and an outer cup are firmly bonded to each other via a vulcanised, pre-stressed elastomer layer. They are thus an ideal vibration control component for maintenance-free joints that can be cardanically deflected even better than ultra bushes. Uses include, e.g., control arms and clutches as well as drive elements in utility vehicle construction.

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#### **O-Ring**


Static and dynamic, under certain conditions. The ISC O-Ring is available in all standard sizes and in various materials and hardness of materials. Depending on operating pressure, gap width and material hardness, the ISC O-Ring is provided with a supporting ring against gap extrusion. The O-Rings are in compliance with numerous standards (KTW, WRC, NSF, FDA etc.).

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#### **Usit Ring**

Usit Rings are standardised gaskets with a metallic corrosion-protected stiffening ring. Among other things, they provide a static seal of threaded connections on drive units. The high pressure resistance and the simple, cost-effective installation represent a big advantage. Even the standard Usit Ring programme includes inner and exterior sealing versions as well as versions with a centering membrane in various combinations of materials. Special versions are also available on request.





## Our innovative product range for components in power transmission

**With its extensive product range of over 30,000 standard articles, Simrit supplies all the seals and vibration control components for power transmission.**

You will find our products in engines, clutches, gearboxes, brake systems and cardan shafts – in short, in the entire drive chain. As a competent industry partner for power transmission, we have the know-how to provide you with the perfect solution for every system. In modern industrial gearboxes, for example, the performance limits are continually pushed further and the systems increasing-

ly standardised. All the same, the gear-boxes must guarantee reliable operational processes, a long service life and, above all, economic viability in each application. Simrit sealing components make a valuable contribution to this by means of innovative low-friction solutions to save energy costs and power loss, the development of materials especially resistant to soiling and harmful environmental influences and intelligent component standards. Of course, we will support you in an advisory role right from the beginning of your system development. Our sealing expertise can be integrated into the development process for your benefit right from the start.

### **Innovative and focused on the future**

The Simrit Lube & Seal service package for power transmission is a good example of this. Together with the affiliate, lubricant expert Klüber Lubrication, sealing materials and lubricants were harmonised so that they offer a perfect symbiosis for more operation reliability and cost effectiveness. Simrit supplies forward-looking, sensor-based sealing solutions with additional functions in the field of condition monitoring too, which can be implemented perfectly into your system development.

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