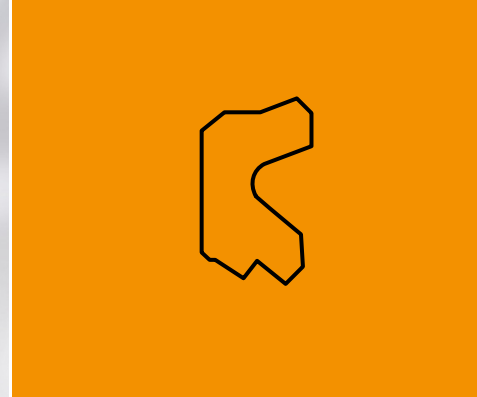
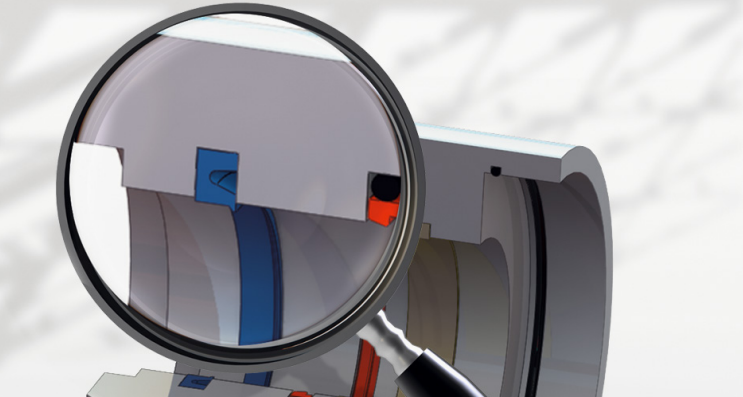




## Rod Seal T16 - Wiper W2S [SAC]



TOGETHER FOR THE BEST OF ALL SOLUTIONS



## T16 Single-Acting Rod Seal

### Made of Thermoplastic Polyurethane (TPU)

The T16 rod seal is an asymmetric-profile u-cup designed for medium-duty applications in standard installation spaces previously used for PTFE rod seals. Its unique design provides low friction and excellent sealing performance.

The secondary lip of this profile reduces friction by creating a lubricant reservoir between the two lips. The T16 rod seal is primarily used as a secondary seal behind an „NCR“ or „SE9 [SHT]“ type primary seal, ensuring a leak-free sealing system.

The seal is made of a special thermoplastic polyurethane (TPU) with a hardness of approximately 93 ShA. This material is characterized by excellent sliding properties, low wear, and high extrusion resistance, making it suitable for a wide range of sealing applications.

#### Product Benefits & Highlights at a Glance

- Single-acting rod seal for medium-duty application
- High extrusion resistance
- Tandem application with SHT or NCR type seals
- Low abrasion, high wear resistance
- Easy installation in standard PTFE installation spaces
- Seal „snaps“ into the installation space immediately and returns to its original shape
- No „recalibration“ required compared to PTFE seals
- Molded part production, thus cost savings compared to PTFE production
- Good temperature resistance
- The special design achieves excellent pressure behavior with low friction

#### Technical Data for Rod Seal T16

Pressure without backring (bar / MPa):  $\leq 250 \text{ bar}^* / 25 \text{ MPa}^*$

Pressure with backring (bar / MPa):  $\leq 700 \text{ bar}^* / 70 \text{ MPa}$

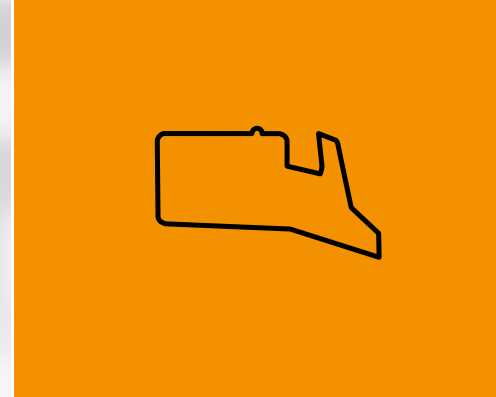
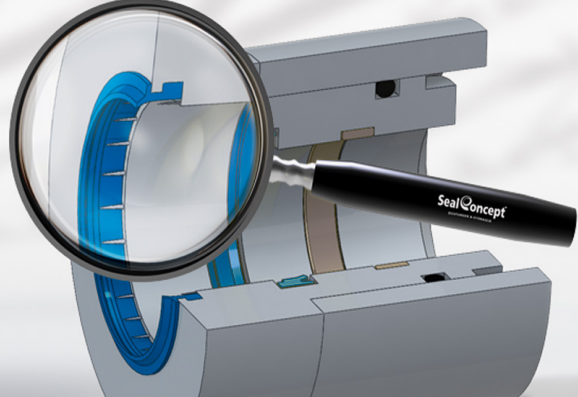
Temperature (°C):  $-40 \text{ °C to } +100 \text{ °C}$

Speed (m/s):  $\leq 0,5 \text{ m/s}$

(\*dependent on gap sizes)

#### Media

Mineral oil-based hydraulic oils



## Wiper for harsh conditions type W2S [SAC]

### Made of Thermoplastic Polyurethane (TPU)

The **W2S [SAC]** wiper effectively protects hydraulic cylinders from the ingress of dirt and foreign particles. Its unique profile, featuring a groove on the outer diameter, makes it particularly well-suited for harsh environments and highly effective in telescopic cylinder applications. The distinctive design of the **W2S [SAC]** wiper incorporates special ribs on its inner diameter. These ribs ensure precise radial positioning of the wiper, enhancing its overall performance and reliability. The **W2S [SAC]** wiper is made from a specialized thermoplastic polyurethane (TPU) with a Shore A hardness of approximately 93 ShA. This high-performance material provides an outstanding combination of properties, making it ideal for demanding hydraulic cylinder applications.

#### Technical Data for Rod Seal Scriper W2S [SAC]

Pressure (bar /MPa):    pressureless

Temperature (°C):        - 40 °C to +100 °C

Speed (m/s):              ≤ 1,0 m/s  
(\*dependent on gap sizes)

#### Media

Mineral oil-based hydraulic oils

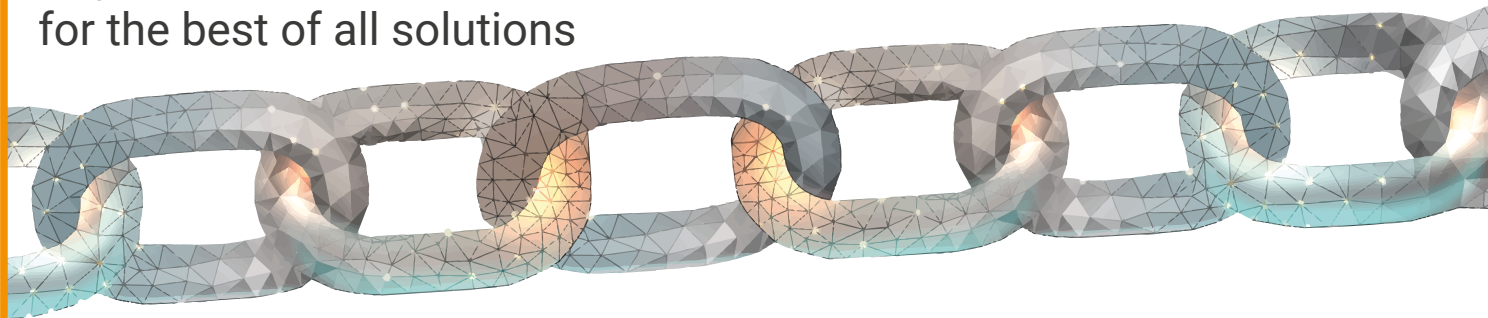
#### Product Benefits & Highlights at a Glance

- **Simple Installation:** Deform the wiper into a kidney-shaped form to facilitate insertion into the groove
- **Apply pressure** along the wiper's circumference to securely seat it within the groove
- **Extended Service Life** of W2S [SAC] Wiper
- **Form Part Production**
- **Wide Temperature Resistance**
- **Rips** on the inner diameter of the wiper position it radially and prevent it from being pushed out of the installation housing
- The front lip of the scraper protects the mounting groove and prevents the ingress of foreign particles and moisture into the installation space.
- The wiper optimally presses against the piston rod even in the event of possible center deviations

Please feel free to contact our technical advisors directly to discuss your specific application requirements and receive personalized guidance on selecting the optimal **W2S [SAC]** wiper for your needs. With our expertise and commitment to customer satisfaction, we will help you optimize system performance and ensure long-term reliability.

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# Together for the best of all solutions



## Seal Concept GmbH

Hans-Sachs-Straße 2  
86399 Bobingen  
Germany

### Sales Department Seals:

phone: +49 8234 96 71-21, -30, -31, -34, -45, -71  
fax: +49 8234 96 71-39

### Technical Department Seals:

phone: +49 8234 96 71-33, -531, -681  
fax: +49 8234 96 71-39

### Department of CNC Machined Seals Production:

phone: +49 8234 96 71-47, -536, -870  
fax: +49 8234 96 71-43

### Main Office:

Telefon: +49 8234 96 71-0, -46

Please visit our website for contact information for specific individual persons.

[www.sealconcept.com](http://www.sealconcept.com)

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