

# Gripper Membrane

Improved material for extended lifetime



## Your benefits:

- Improved material properties for extended lifetime
- Consistently low doffing cycle time
- Increased productivity



## Improved Material for Extended Lifetime

### Consistent doffing performance

The gripper membrane is an integral part of the gripper assembly. During each doffing operation, the gripper membrane will inflate and deflate to pick up and drop the cops in its position. The proper functioning (inflate and deflate) of the gripper membrane is essential to maintain a robust process with a consistently low doffing time and little required human interaction.

The new gripper membrane is made of a new Thermoplastic Polyurethane (TPU) H20 which slows down the aging process and therefore extends the lifetime.

This leads to the following benefits for customers:

- Extension of the parts lifetime
- Reliable doffing cycle time
- Increased machine productivity

### Optimize

Additional measures can be taken to further increase the lifetime of the gripper membrane. Optimizing air pressure and inflation time does not only reduce operation cost and increase sustainability, it also extends the gripper membrane lifetime. A detailed description of all measures can be found in the operation manual.

### Availability and installation

The improved gripper membrane is suitable for all Rieter ring and compact-spinning models. The installation can be done by customers using the tools supplied along with the machine or the gripper membrane order.



Gripper assembly

#### Lifetime of key parts:

1. Gripper membrane: 3 – 5 years
2. Gripper ring: ~ 9 – 10 years

**Rieter Machine Works Ltd.**  
Klosterstrasse 20  
CH-8406 Winterthur  
T +41 52 208 7171  
F +41 52 208 7283  
aftersales@rieter.com

**Rieter India Private Ltd.**  
Gat No. 768/2, Village Wing  
Shindewadi-Bhor Road  
Taluka Khandala, District Satara  
IN-Maharashtra 412 801  
T +91 2169 664 141  
F +91 2169 664 226

**Rieter (China) Textile  
Instruments Co., Ltd.**  
390 West Hehai Road  
Changzhou 213022, Jiangsu  
P.R. China  
T +86 519 8511 0675  
F +86 519 8511 0673

The data and illustrations in this brochure and on the corresponding data carrier refer to the date of printing. Rieter reserves the right to make any necessary changes at any time and without special notice. Rieter systems and Rieter innovations are protected by patents.

3605-v1 en 2305