

Bräcker



Welcome to Bräcker

Hotel Simorgh, Tehran
April 25./26. 2016



- About Bräcker
- Rings – T-Flange & ORBIT System
- Traveller – high tech or just wire?
- Long staple application
- BERKOL Supergrinder
- New Bräcker Image Film

Bräcker Company



Bräcker AG
Pfäffikon – Zürich / Switzerland
95 Employees
Steel and Rubber Products



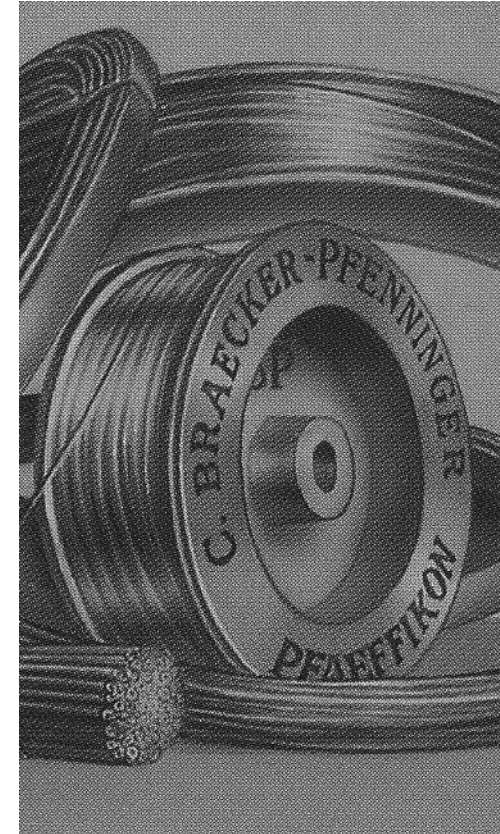
Bräcker France SAS
Wintzenheim / France
38 Employees
Injections Molding Products
Coating Process



Company History

Bräcker

- 1835 Establishment of family business, products for weaving industry
- 1937 First products for the spinning industry
- 1951 Establishment Bräcker France
- 1969 Nylon travellers
- 1994 Participation of Rieter Holding
- 2001 Acquisition of GRETENER spinning tubes business
- 2008 Acquisition of BERKOL (cots and service machines)
- 2015 180th anniversary of Bräcker



Our Goal

Bräcker

To support our customers with our products, our service and our spinning know-how allowing them to improve their yarn quality, their productivity and to achieve a leading market position.

„The best way to predict the future, is to actively shape it“

Willy Brandt

Bräcker TITAN Ring



- The **bench mark** of spinning rings
- Coarse to fine counts
- High speeds
- **Long service life up to 10 years**
- Standard equipment for OEM's

- High resistant alloy
- **No micro-welding**
- Defined surface allows start at full speed and constant quality

Almost every compact spinning machine equipped with TITAN rings!

Bräcker ORBIT and redORBIT Rings

Bräcker



Bräcker ORBIT rings



Bräcker redORBIT rings

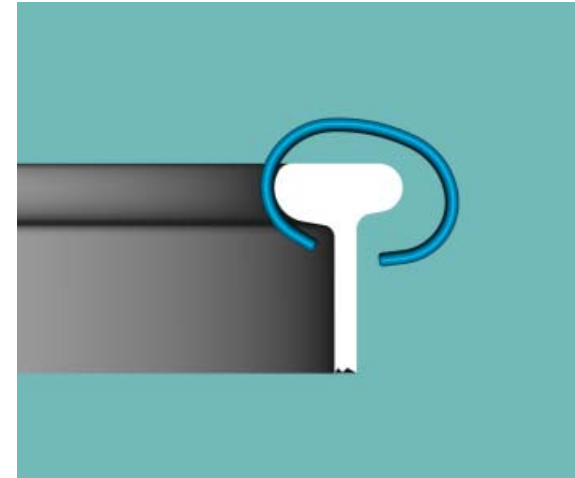


Fashion and
Comfort

Application ranges of T-Flange and ORBIT rings

Highest flexibility

- Yarn counts Ne 4 - 300
- For spinning all kinds of fibers, natural as well as man made and for **regular** as well as **compact** spinning



Highest productivity

- Yarn counts Ne 20 - 100
- Cotton, PES and Cotton/PES blends.
For spinning at highest speeds.
- Excellent heat dissipation → PES / synthetics
- Lower tension variation





Traveller – high tech or just wire?



Finishes and Treatments

- **STARLET / STARLET***plus*



Electrolytic surface treatment
(special nickel plating)

- **SAPHIR**



Diffusion treatment with
deepening effect

- **PYRIT**



Diffusion treatment

- **ZIRKON**



Steel traveller with ceramic
coating

Description:

- **STARLET *plus*** considerably reduces the risk of early groove formation
- Upgrade of the well established STARLET coating
- Optimal resistance against corrosion



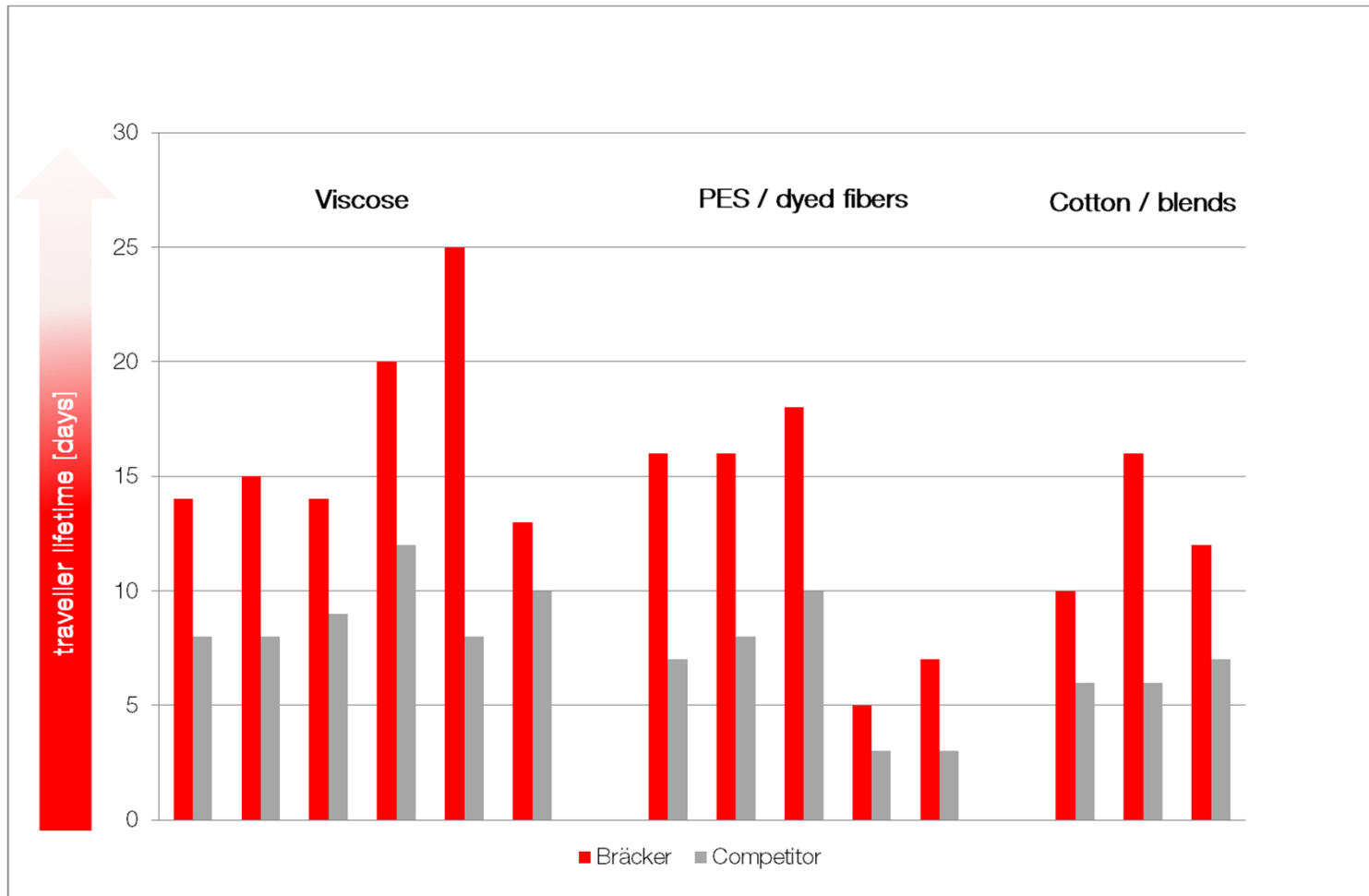
Advantages:

- Extended traveller service life of up to **+50% and more**
- Excellent price-performance ratio
- Constant yarn quality values over the entire extended traveller service life

Application:

- Especially recommended for Viscose and CO/CV blends
- For PES and dyed fibres
- Suitable for entire yarn count range

Traveller lifetime **STARLET *plus*** vs. competitor **+50%**



High-Tech or just a wire?

- Traveller speed **43 m/sec.**
- Traveller speed per hour 155 km/h
- Distance after 12 days 43'000 km



1 x



High-Tech?

Piston speed **20 - 25 m/sec.**
for sport automobile engines

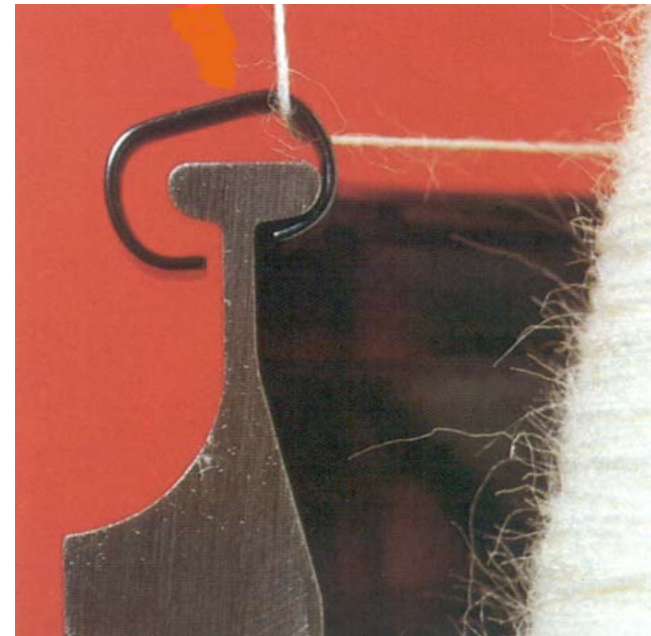


Lubrication is the key

Metal to metal contact requires lubrication!



Without lubrication spinning is not possible!



Lubrication is the key

Without lubrication



Without lubrication
temperatures up to 800 °C



The importance of ring and traveller

The ring and traveller system is the limitation of the ring spinning machine's productivity.

Small differences can make you to win!



Work with the best!

1 box



56'000 kg





Long staple spinning

Application



Wool spinning (worsted)

Rings

- Conical 9.1
- Conical 11.1
- Conical 17.4



- Solid steel rings

Travellers

- Steel travellers for fine counts (various types)

- J 9.1
- J 11.1



- NYLTEX travellers for coarse counts

- J 11.1 LE
- J 17.4 E



Flax (Linen) spinning

Rings

- T-Flange F-series 4.4 mm
- Diameters 50 to 62 mm



- Type A
- Type B
- TRITON finish

Travellers

- NYLTEX F-series



FI2



FZ



FU



Twisting and doubling

Rings

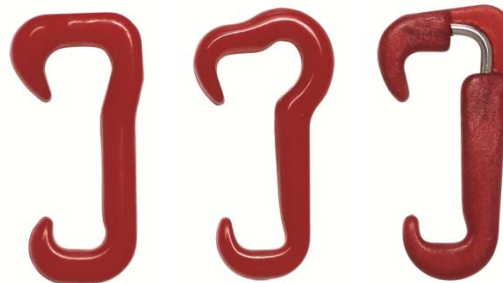
HZ (vertical) rings

- HZ 16.7
- HZ 25.4
- Hz 38.1



Travellers

- NYLTEX and STEELTEX travellers, depending on the fibers.
- Bräcker offers a wide selection of travellers



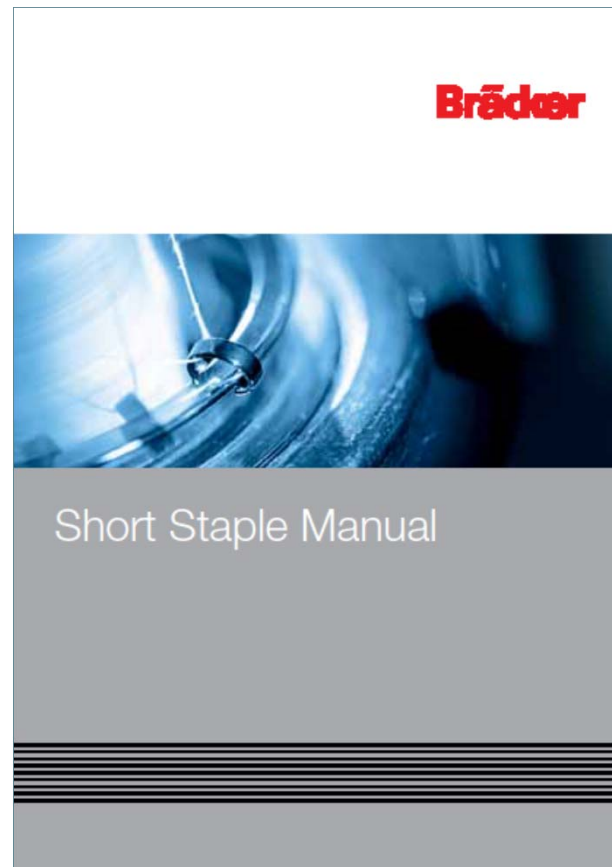
Application

- Ask Bräcker for recommendation and samples.

Long Staple Manual



Short Staple Manual



Bräcker



BERKOL[®] supergrinder

The successful Story



First market presentation at ITMA Asia, June 2012

- Sept. 2012 Prototype operative in our cots manufacturing
Sales release
- Feb. 2013 First **S**uper **G**rinder with **M**easuring modul commissioned at
customer's site
- July 2013 First **S**uper **G**rinder with **L**arge magazine, **M**easuring modul
and **B**erkolizer commissioned at customer's site
- March 2016 **80th Machine sold!**

Supergrinder Modular System

Bräcker

Modular concept:

- **SG** basic machine
 - grinding to size, \varnothing range **19** – 42 mm
 - small magazine of up to 150 top roller capacity

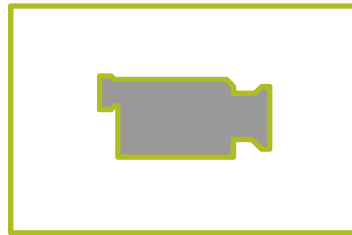
Modules:

- **M** (measuring)
 - grinding to size, \varnothing range **24** – 42 mm
 - differential grinding
- **L** (large magazine)
 - storage capacity 450 top rollers
(roller diameter 32 mm)
- **B** (Berkolizing)



supergrinder
SGMLB

Upgradability and combination with various options is anytime possible!



The Strength is in the Quality

Bräcker

For 180 years Products of Highest Quality for the Textile Industry



www.bracker.ch