Bräcker

Spinning Rings

TITAN short-staple rings

Superior-quality rings for flexible spinning of all yarn counts and fibers

TITAN rings

OUTSTANDING
ADVANTAGES

Higher productivity
The TITAN coating is designed for high speeds to maximize production output.

Longer service life
The TITAN coating is extremely durable. This results in unmatched service life.

Reduced spinning costs
The higher production output of the Bräcker TITAN rings pays off within a very short time.

Optimum quality
Bräcker's expertise in surface coating is clear to see in the reproducibility and evenness of the coating layer. This enables spinning mills to run stable production.

Optimum running characteristics
The TITAN coating is additionally polished. The traveler moves smoothly and causes fewer yarn breaks. No micro welding.

Universal applicability
TITAN rings are suitable for all fibers and cover the entire yarn count range.

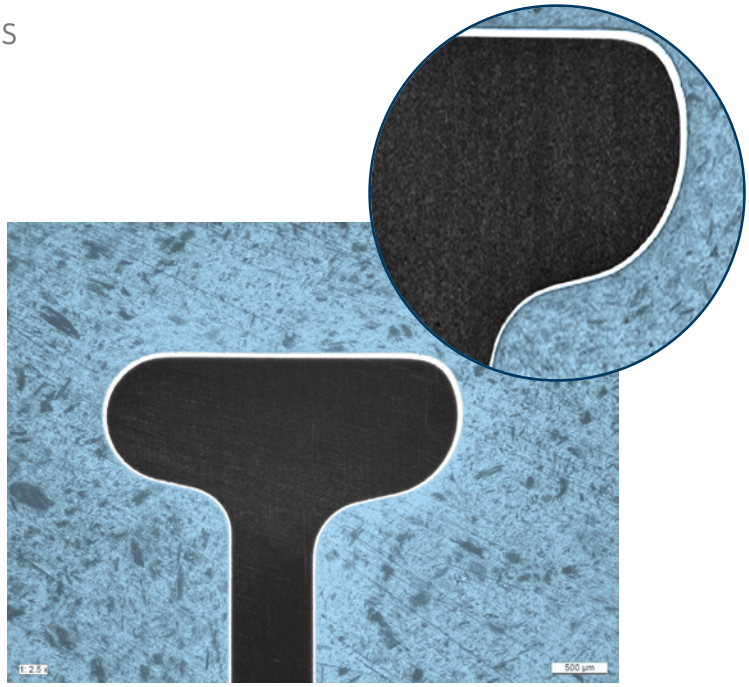
TITAN

The benchmark for high-performance rings

Optimum running characteristics right from the start

The TITAN coating reflects Bräcker's expertise in surface treatment with regard to tribology. The coating process enables minimal variation in the coating thickness and excellent coating adhesion.

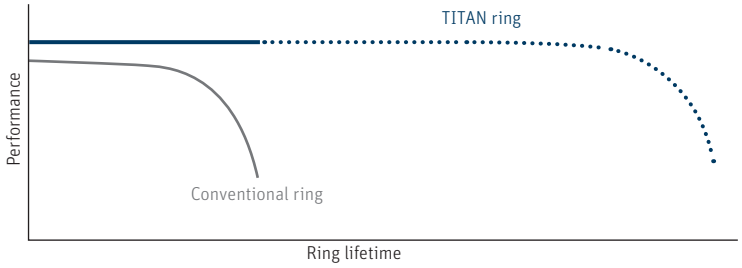
Bräcker has developed a special grinding and polishing process for the TITAN spinning rings. This eliminates the need for traditional running-in, allowing very a high rpm and therefore increased productivity.



Consistent yarn quality

In addition to the long lifespan of the TITAN spinning rings, customers can rely on consistent yarn quality throughout the service life on each individual spinning position. Conventional spinning rings or poorly coated rings become worn after very varying lifespans. This results in different yarn qualities from spindle to spindle, particularly with regard to hairiness.

Comparison of ring lifetime



The lifetime of a TITAN ring is up to three times longer than that of a conventional ring.

One like the other

Bräcker produces millions of spinning rings every year according to the highest reproducible quality standards. This expertise is reflected in the consistency of production.

Ring Profiles

Bräcker develops and produces a well-balanced selection of spinning rings for all requirements. The TITAN coating together with the ring profiles, which are designed in-house, guarantee that ring spinning machines run at maximum productivity.

T-flange

- All kinds of fibers
- Maximum flexibility
- For conventional and compact spinning
- Available for flange 1/2, flange 1 and flange 2
- Yarn count Ne 4 – 300

ORBIT

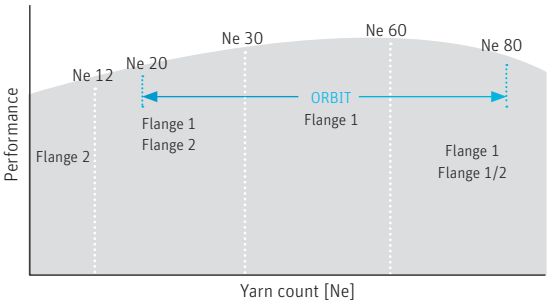
- For combed cotton, polyester/cotton, blends, 100% polyester
- High-speed production
- Good heat conductivity
- Ne 30 to Ne 60 (most recommended). Ne 12 to Ne 140 if the fiber quality is very high.

SU

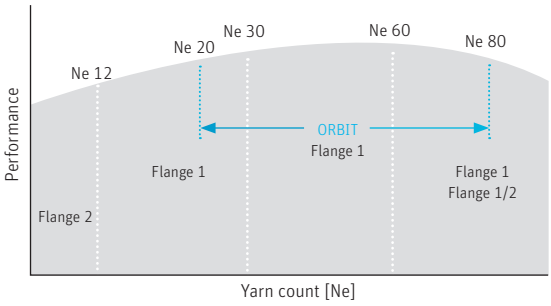
- For synthetics and synthetic blends
- High-speed production
- Good heat conductivity
- Medium-to-coarse yarn count range

Application Matrix for Bräcker Spinning Rings

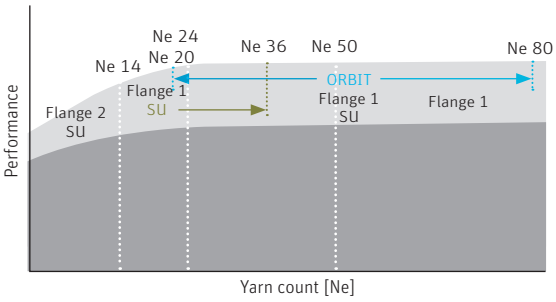
Conventional cotton



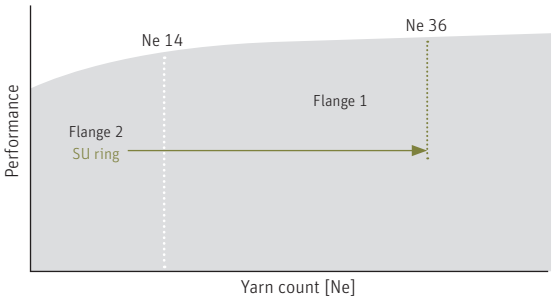
Compact cotton

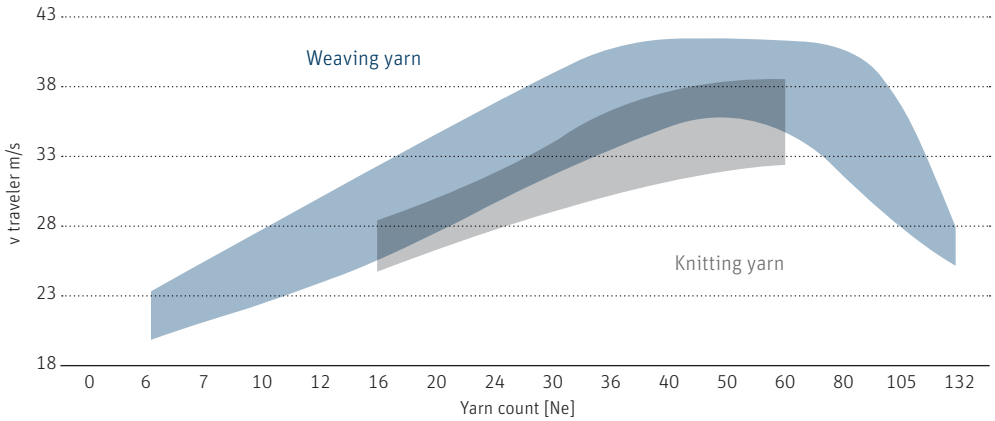


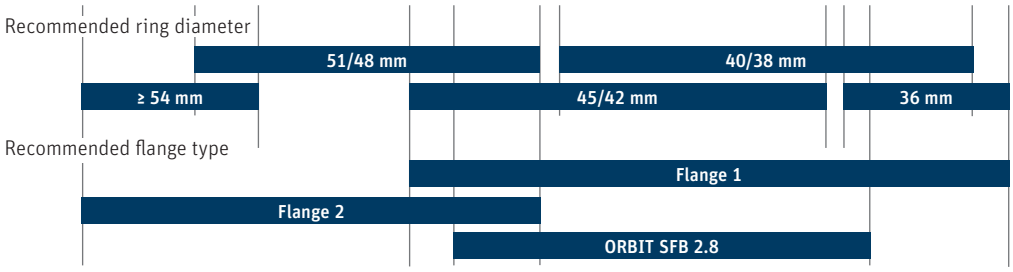
Polyester, polyester/blends



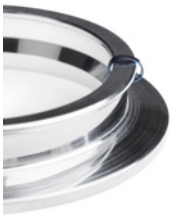
Viscose, viscose/blends







Rings for All Ring Spinning Machines



Solid rings

Solid rings are turned from thick-walled tubes, then scrubbed, coated with a TITAN layer and finally polished.

Assembly with metal holder

Assembly with sheet metal holder

with or without traveler cleaner

Assembly with aluminum holder

The Bräcker ring/holder system consists of the standardized upper ring part and the corresponding holder, which together form the assembly. The holders are designed to meet the individual requirements of the various ring spinning machines. Bräcker spinning rings are available in all dimensions and for all types of ring spinning machine, in both large and small quantities.

Prerequisites for optimum use of Bräcker spinning rings

- Firm seating of the spinning ring on the ring bench
- Concentric positioning of the ring, spindle, yarn guide and anti-balloon ring
- Favorable diameter ratio between the tube diameter and the ring diameter (spinning 1:2/twisting 1:2.5)
- Selection of the correct traveler shape

Further information and application recommendations can be found in the Bräcker manual.

Bräcker Ring Centering Device

Ring centering with maximum precision

Insufficient centering of the spinning rings influences the hairiness value of the spun yarn as a function of the extent of decentration. To achieve optimum hairiness parameters on the spinning frame – and particularly between one spindle and the other – the rings must be centered with the highest possible precision.

Advantages

- Maximum precision
- Easy to use with visual centering indicator
- Compact design for use on all ring spinning machines
- For all ring diameters and ring types

Specifications

Spindle diameter	from 16 mm to 18 mm
Ring diameter	from 36 mm to 54 mm
Power supply	4.8 V/3 Ah accumulator
Charger	100 – 240 V/4.8 V

Adaptor to ring diameter

Bräcker AG
Obermattstrasse 65
CH-8330 Pfäffikon-Zürich
Switzerland
T +41 44 953 14 14
sales@bracker.ch

Bräcker S.A.S.
132, Rue Clemenceau
FR-68920 Wintzenheim
France
T +33 389 270007
sales@bracker.fr

www.bracker.ch

3444-v2 en 2209