

Ring spinning  
Travelers

**Bräcker**

# Travelers

Travelers for short-staple spinning

The key component in  
ring spinning and twisting

# Bräcker travelers

## OUTSTANDING ADVANTAGES



### Higher productivity

Travelers developed for specific applications maximize production.

### Maximum production consistency

Profile and surface within tight tolerances.

### Optimum running characteristics

Good start-up properties and low wear result in the market's longest traveler lifetime.

### Universal applicability

Huge product assortment for all types of fibers, yarn counts and ring profiles.

Despite its very small size, the Bräcker steel traveler is one of the key components in ring spinning and twisting coarse and fine yarn counts and compact yarns.

The best performance can be achieved by selecting the correct Bräcker traveler type. The traveler shape, wire cross-section, weight and finish have a significant impact on the productivity of a ring spinning machine and the quality of the yarns being spun.



# Traveler selection

Depends on various parameters

Selecting the right traveler is crucial for the spinning process, optimum productivity and yarn quality. The traveler must therefore be well matched to the yarn and the ring.

To achieve smooth running, the traveler should have the correct center of gravity. However, the bow height of the traveler must always be large enough to ensure that the yarn is not trapped between the ring and the traveler under any circumstances.

For example, soft twisted or carded yarns have a larger volume than hard twisted or combed yarns, and they therefore require a ring traveler with a slightly larger bow height or a larger yarn passage. Conversely, the

more the yarn passage is reduced, the better the ring lubrication – which ultimately determines the running behavior.

In addition to the shape of the traveler, the choice of profile, weight and surface finish are particularly important in the high-performance range. Incorrect selection will result in adverse fiber and yarn stress such as roughness, yarn hairiness, yarn breaks and melting points (in synthetics).

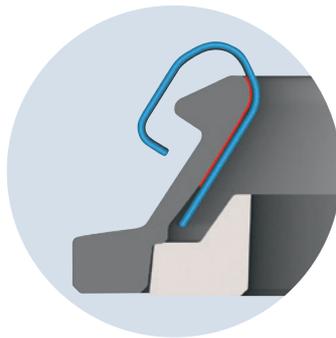
The high variability of yarns and the focus on production performance require an ever-increasing selection of traveler types. For more information on selecting the optimum traveler, please refer to the Bräcker Short Staple Manual.

## Different traveler shapes for different ring profiles



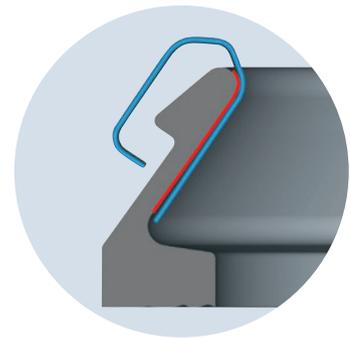
### C-shaped travelers for T-flange applications

The contact area to the ring surface is punctiform. The traveler aligns itself optimally to the load during operation.



### SFB travelers for ORBIT rings

There is a larger contact surface between the ring and the traveler and the traveler has a larger yarn passage. This results in higher heat dissipation and higher stability when the traveler is running.



### SU travelers for SU applications

For processing synthetics (PAC, CV, PES) and yarn blends. Optimum heat dissipation from traveler to ring.

# Traveler finishes

## SAPHIR



### The most successful traveler finish for many decades

SAPHIR travelers have been exposed to a special diffusion process. The enrichment components are present on the surface and throughout the traveler body. This guarantees consistently good running conditions over the entire lifespan of the traveler.

- For all fiber types and yarn counts
- For both regular operation and running-in

## ONYX



### Excellent gliding characteristics

The improved gliding characteristics make it possible to increase the spindle speed by up to +1 000 rpm and prolong the lifespan of the traveler by as much as +50%. Furthermore, the running-in period is considerably reduced.

- Cotton compact and non-compact yarns
- For high spindle and traveler speeds

## STARLET



### Spinning mills with high humidity

STARLET travelers are finished with a fine and compact nickel layer. Low friction values in the yarn passage prevent fiber damage and ensure good gliding characteristics after the traveler is changed.

- For difficult environmental conditions
- Especially suited to spinning chemical fibers and blends

## STARLET*plus*



### For delicate production parameters

Processing aggressive fibers can lead to cutting marks in the yarn path. The time it takes for such cutting marks to appear sets the benchmark for traveler quality.

- Especially recommended for viscose and CO/CV blends
- For PES and dyed fibers

## CARBO



### For a short running-in period

A traveler designed to meet the requirements of spinning mills that work with man-made fibers (MMF).

- Man-made fibers, blends and core yarn
- Good gliding characteristics

## PYRIT



### For large lots

The PYRIT treated traveler can last up to two to three times longer than a regular traveler.

- No cutting-in in the yarn path
- Conventional and compact spinning
- Extended traveler replacement intervals

## ZIRKON



### The traveler finish with the longest lifetime

The innovative ceramic coating gives the traveler a service life of over 1 000 hours.

- Machine downtime is reduced thanks to less frequent traveler changes
- Benefits for highly automated spinning mills with long machines
- For installations with potential for high speeds

# C-shaped travelers for T-flange rings

## SFB and SU travelers for oblique flange rings



### Travelers for T-flange rings

Type	Shape	Wire section	ISO no.	Traveler no.	Inserting tools available
<b>Flange 1/2</b>					
C ½ EL		udr	6.3 – 45.0	28/0 – 3/0	-
C ½ UL		dr	12.5 – 20	18/0 – 11/0	-
C ½ UM		udr	6.3 – 50	28/0 – 2/0	-
C ½ EM		f	12.5 – 31.5	18/0 – 6/0	-

Type	Shape	Wire section	ISO no.	Traveler no.	Inserting tools available
<b>Flange 1</b>					
C 1 SKL		udr	9 – 35.5	22/0 – 5/0	▪
C 1 SEL		udr	9 – 40	22/0 – 4/0	▪
EL 1		f	14 – 63	16/0 – 1	▪
C 1 EL		dr	25 – 63	8/0 – 1	▪
C 1 EL		udr	5.6 – 63	29/0 – 1	▪
C 1 ELM		udr	18 – 71	12/0 – 2	▪
C 1 SL		dr	10 – 50	20/0 – 2/0	▪
C 1 SL		udr	14 – 80	16/0 – 3	▪
L 1		f	7.1 – 80	26/0 – 3	▪
L 1		udr	18 – 71	12/0 – 2	▪
C 1 UL		udr	9.0 – 140	22/0 – 9	▪
C 1 UL		f	14 – 50	16/0 – 2/0	▪
M 1		f	18 – 90	12/0 – 4	▪
M 1		dr	14 – 100	16/0 – 6	▪
M 1		udr	28 – 95	7/0 – 5	▪
EM 1		f	28 – 160	7/0 – 10	▪
EM 1		dr	20 – 315	11/0 – 18	▪
EM 1		udr	22.4 – 95	10/0 – 5	▪
EM 1		fr	22.4 – 71	10/0 – 2	▪
C 1 UM		udr	20 – 160	11/0 – 10	▪
C 1 LM		udr	23.6 – 125	9/0 – 8	▪
C 1 MM		udr	18 – 375	12/0 – 22	▪
C 1 HW		dr	56 – 280	1/0 – 16	▪
C 1 SM		fr	31.5 – 280	6/0 – 16	▪
C 1 SH		fr	40 – 200	4/0 – 12	▪

Type	Shape	Wire section	ISO no.	Traveler no.	Inserting tools available
<b>Flange 2</b>					
M 2		f	35.5 – 100	5/0 – 6	▪
M 2		dr	18 – 100	12/0 – 6	▪
M 2		udr	28 – 100	7/0 – 6	▪
EM 2		dr	28 – 125	7/0 – 8	▪
C 2 UM		udr	31.5 – 160	6/0 – 10	▪
C 2 MM		dr	40 – 315	4/0 – 18	▪
H 2		dr	45 – 250	3/0 – 14	▪
H 2		fr	31.5 – 200	6/0 – 12	▪
EH 2		dr	45 – 560	3/0 – 36	▪
C 2 HW		dr	100 – 425	6 – 26	▪
C 2 HW		fr	250 – 355	14 – 20	▪



### Travelers for angled flange rings

Type	Shape	Wire section	ISO no.	Traveler no.	Inserting tools available
<b>SFB 2.8 for ORBIT rings</b>					
SFB 2.8 PM		dr	12.5 – 140		▪
SFB 2.8 PM		udr	18 – 80		▪
SFB 2.8 RL		dr	12.5 – 100		▪
SFB 2.8 RL		udr	20 – 50		▪
<b>SU rings</b>					
SU-B		r	63 – 200		▪
SU-B		drh	31.5 – 400		▪
SU-BM		drh	35.5 – 280		▪
SU-BF		udr	28 – 90		▪

# Removal tools

For ring travelers

## RAPID

Bräcker AP system

Magazine system for C-shaped travelers with a capacity of four storing bars of 130 to 400 travelers each. Travelers are wrapped in heat-shrink hoses.



Bräcker STRAP system

The travelers are lined up on a profile strap (up to 10 000 pcs per spool). The STRAP system is applied for SU travelers for ORBIT spinning rings and for C-shaped travelers with an “fr” profile.



## BOY

For C-shaped travelers

Recommended for heavy travelers (> no. 10, ISO 160) and light travelers L1 f and C1 EL udr. The travelers are inserted from outside to inside.



## CLIX

Removing C-shaped, SFB and SU travelers



## OUTY

For removing C-shaped travelers and collecting them in the handle



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