

PK 2000 Series Weighting Arms

**The standard draft system
for short staple ringspinning machines**



PK 2000 Series Weighting Arms Well-equipped for the various requirements of the market

Reliable spinning processes and excellent yarn quality

New fibre materials, rapid changes in fashion and growing quality requirements all call for high flexibility in every spinner's programme.

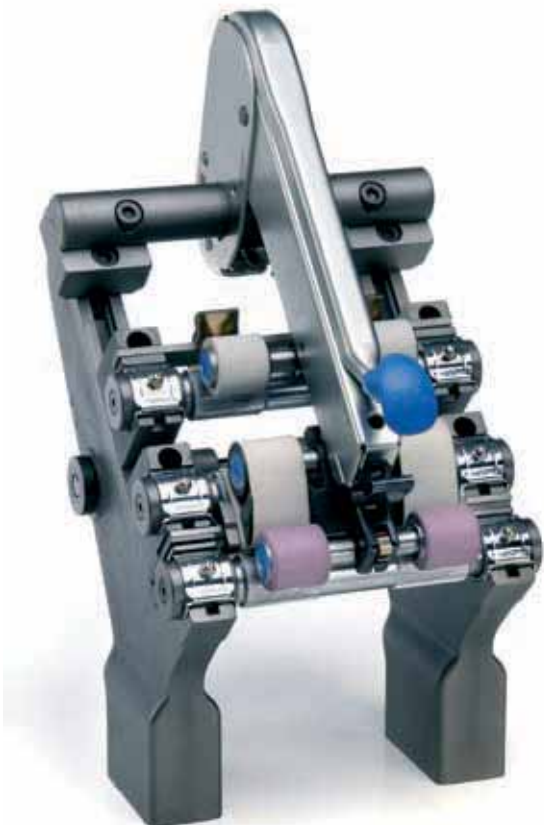
With the 3-roller double apron draft system PK 2000 for short-staple ringspinning machines the spinning mill achieves the flexibility to react to the changing requirements of the market:

- Spinning that adapts even to critical fibres
- Flexibly usable for all fibres and yarn counts
- Reliable spinning of roving with a high degree of twist
- Reliable spinning processes and excellent quality

The PK 2000 Series comprises 4 different weighting arm types: PK 2025 - PK 2035 - PK 2055 and PK 2065.

Types PK 2035 and PK 2065 are mainly used for spinning of longer staple fibres. They are designed for this purpose using rear and front top rollers with a diameter of 35 mm.

For spinning particularly fine yarns, materials that are difficult to draft and for spinning with high total drafts weighting arms PK 2055 and PK 2065 are recommended.



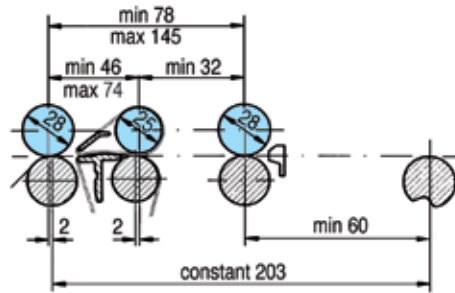
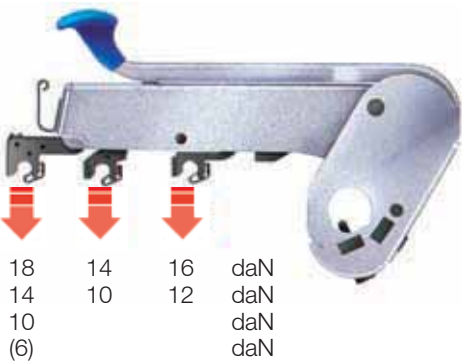


The PK 2000 Series

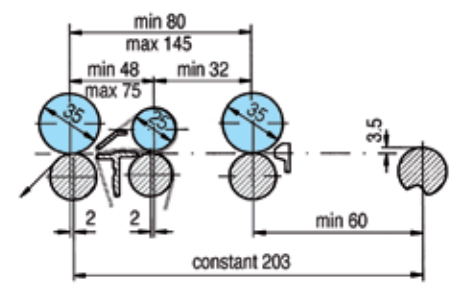
Three load steps (10/14/18 daN) at the front element and two load steps each at rear (12/16 daN) and middle element (10/14 daN) create the preconditions for problem-free spinning of even critical fibres, rovings with a high degree of twist or man-made fibres. The possibility of load adjustment at the rear and middle element of the

PK 2000 series provides the spinner with the required flexibility to meet the demands of a rapidly changing market. The partial load at the front element (6 daN) prevents distortion of the top roller cots if the ring spinning machine is idle for longer periods.

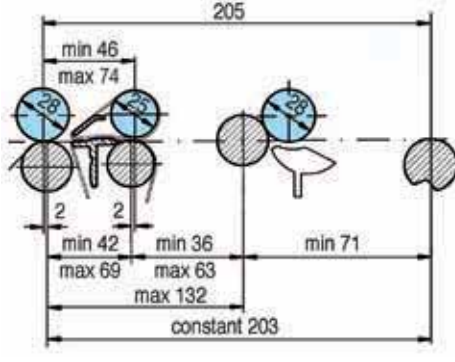
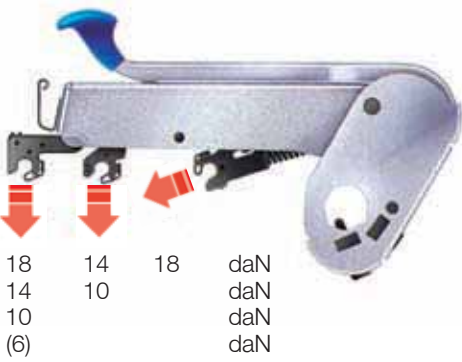
The experience gathered in the successful installation of over 57 million weighting arms worldwide shows that the top roller loading principle is a design that has proved its worth: Even after many years the rated load remains the same i.e. the loading of the top roller does not change.



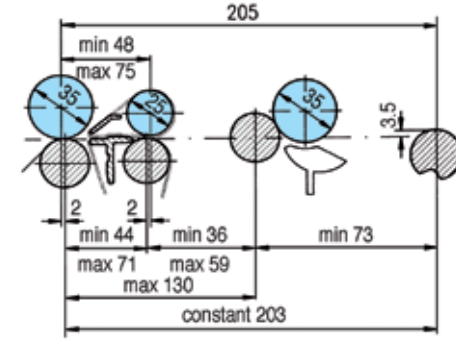
Draft arrangement PK 2025-1251 331



Draft arrangement PK 2035-1251 784



Draft arrangement PK 2055-1251 785



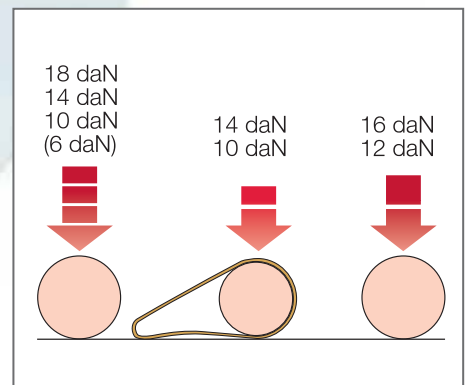
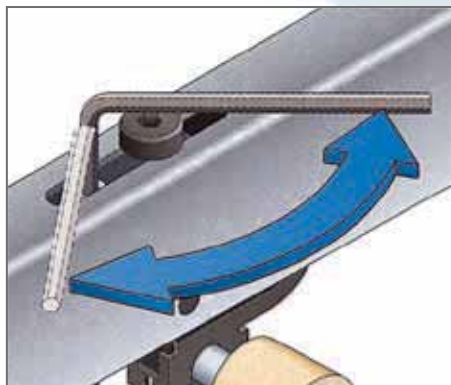
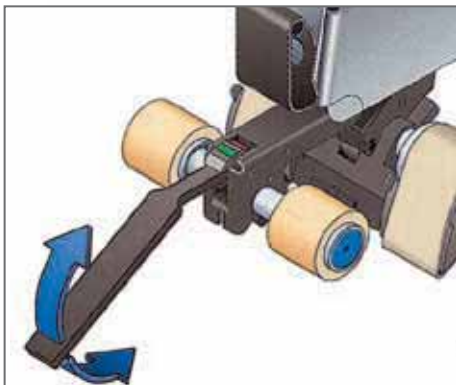
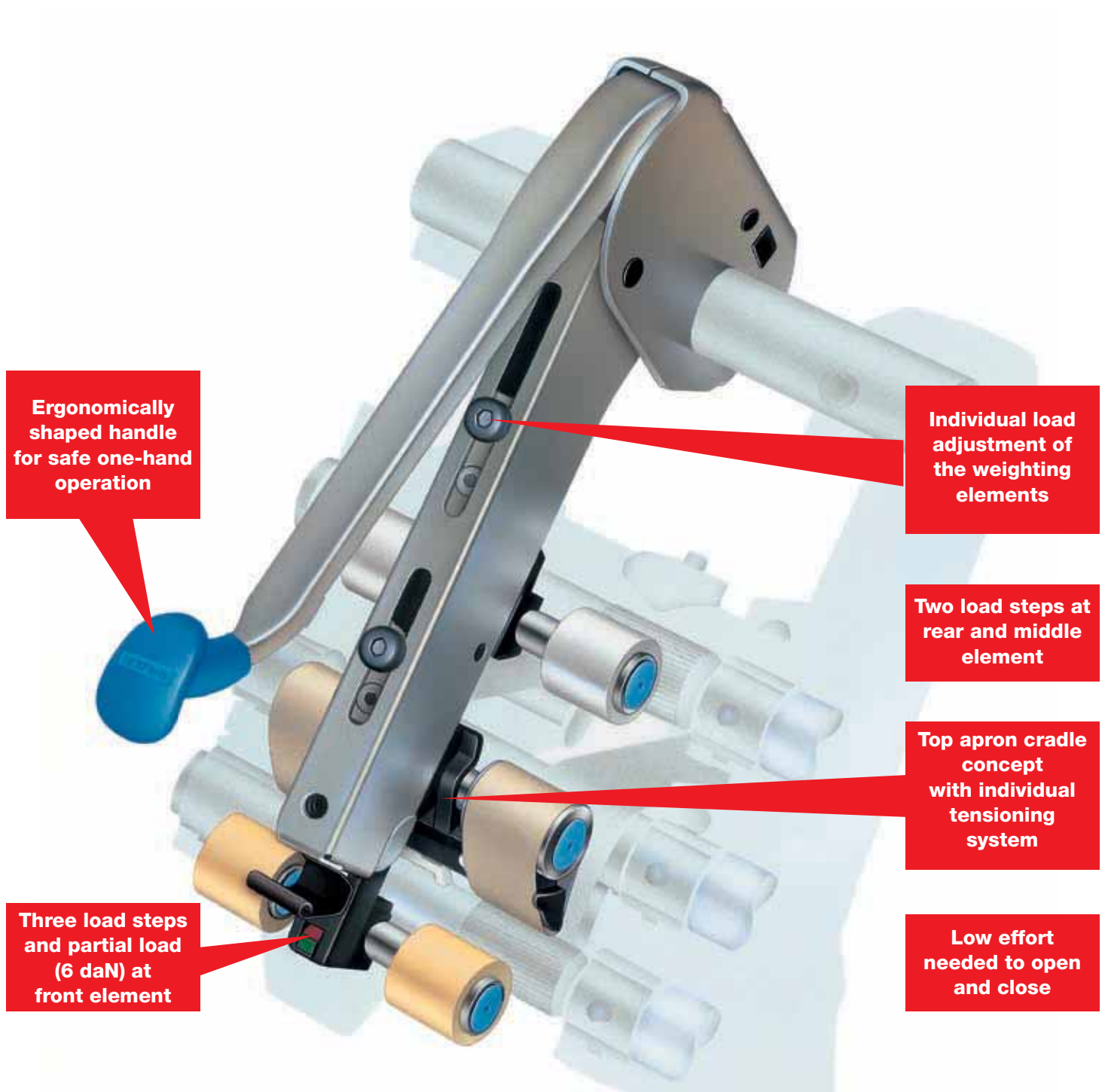
Draft arrangement PK 2065-1251 786

Experience built in

The PK 2000 series weighting arms incorporate the experience of many decades of market leadership in the development of draft systems. Design principles and manufacturing precision benefit spinners in a number of ways:

- Top and bottom rollers are absolutely parallel
- Yarn values are highly reproducible from spindle to spindle
- The entire draft system is protected against contamination by fly
- The reliability of the spinning process throughout the entire spinning cycle is increased

The advantages of the PK 2000 Series at a glance



Top Apron Cradles OH

Gentle fibre guidance and time-saving apron changing

The basis for improved yarn values

Depending on the application, the weighting arms of PK 2000 series can be fitted with different top apron cradles.

Short top apron cradle OH 2022

for cotton and man-made fibres up to 45 mm length and blends thereof. Available in 68.4 mm, 75 mm and 82.5 mm gauges.

Medium top apron cradle OH 2042

for cotton fibres over 40 mm length, man-made fibres and blends thereof up to cut length of 54 mm.

Available in 68.4 mm and 75 mm gauges.

Long top apron cradle OH 122

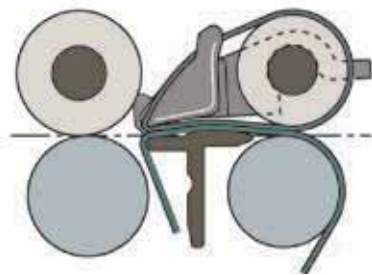
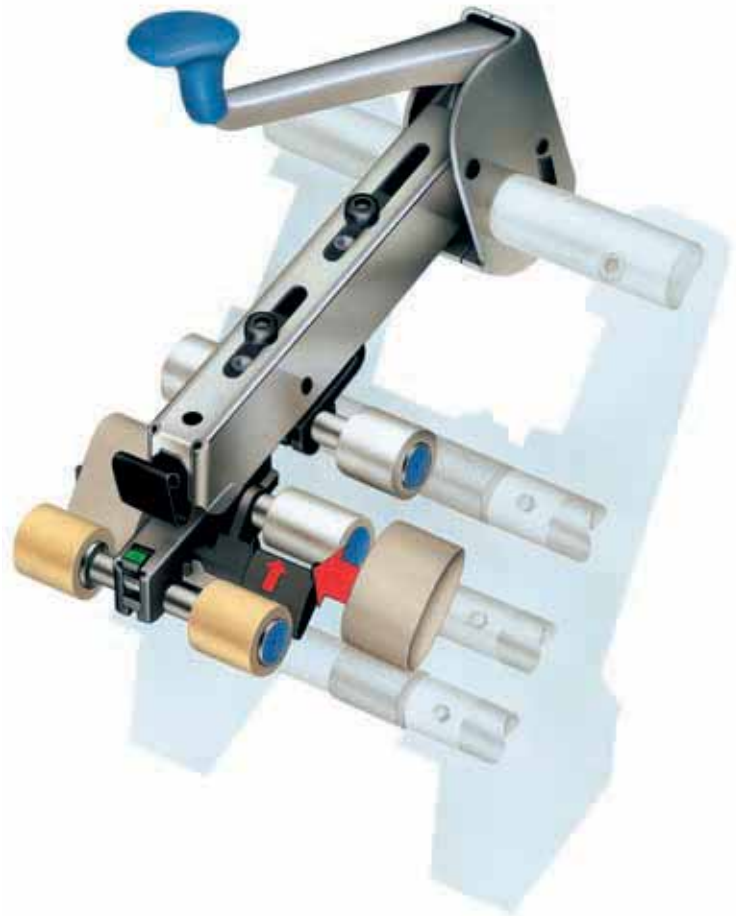
for man-made fibres of cut lengths up to approx. 60 mm length.

Available in 68.4 mm, 75 mm and 82.5 mm gauges.

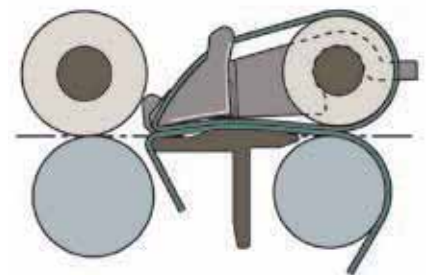
Top apron cradle concept with individual tensioning

Top apron cradles OH 2022 and OH 2042 are characterized by an individual tensioning system offering the following advantages for an optimized spinning process:

- Low-friction, gentle apron running thanks to the special surface structure and an ideal combination of materials. This gives the apron unit a low drive torque and ensures the aprons a long working life.
- Ideal parallel positioning of top apron cradle and top roller.
- Individual tensioning of aprons per spinning point.
- Savings in time of up to 40% due to simple apron exchange without the need to remove the apron unit.
- Finely-adjusted fibre control with standard series of clips.
- Lowest possible stress on fibres during drafting plus gentle fibre guidance.



OH 2022



OH 2042



Top Rollers LP 1000 Series

Precise concentric running guaranteed

Top rollers of LP 1000 series have become standard components of today's top-quality draft equipment worldwide. They are products of the latest state-of-the-art roller-bearing technology and are characterized by the following features:

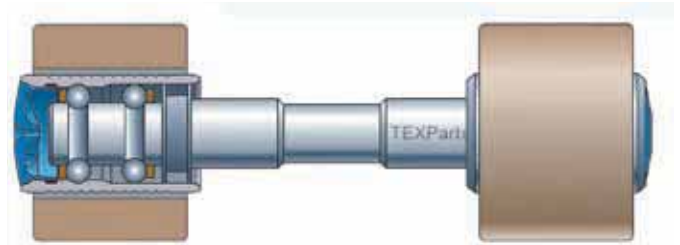
- High loading capacity thanks to the generously dimensioned double-row special ball bearing.
- Long working life thanks to the use of high-quality roller-bearing steel.
- Precise concentric running thanks to high production standards.
- Low maintenance requirements thanks to simple relubrication and long relubrication intervals.
- No lubrication before starting required, permanent lubrication of some parts.
- High-quality materials. Scratch-proof bosses made of special steel guarantee easy fitting and removal of different cot grades and types even after years of use.

The following top rollers are available for the LP 1000 series:



LP 1002 for PK 2025 / PK 2055

Top roller for use as rear and front top roller.
Roller diameter 19 mm. Diameter above cot 28 mm.



LP 1002 for PK 2035 / PK 2065

Top roller for use as rear and front top roller.
Roller diameter 19 mm. Diameter above cot 35 mm.



LP 1003 for PK 2025 / PK 2035 / PK 2055 / PK 2065

Top roller with special sleeves for use as apron top roller. Corrosion free running surface for the aprons, maintenance-free due to lifetime lubrication, optimised adjustment to top apron cradles OH 2022 / OH 2042 / OH 122.



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