

# PK 2100 Series Weighting Arms

**The most successful draft system  
for short staple ringspinning machines  
with new features**



# PK 2100 Series Weighting Arms

## More flexibility in the daily operation practice

The weighting arms of PK 2100 series convince by a level of flexibility mechanical weighting arms have as yet been unable to offer.

Three load steps for both the rear and middle elements and five possible load settings for the front element all enable the pressure to be precisely adjusted to suit the fibre material to be spun.

Moreover, reduced load tolerances applying to the individual weighting arms enhance yarn quality across all spinning positions on the machine. As such, this weighting arm series is ideal for all users requiring optimum flexibility in the operational practice.

## Well-equipped to meet constantly changing needs

The PK 2100 series weighting arms enables you to react flexibly to changing market requirements. The increase in the number of load pressure setting options combined with the reduction in possible pressure tolerances for the individual weighting elements means the spinning process can be adjusted perfectly to suit even critical fibres. The spinning process thus becomes safer while the yarn quality is optimised.



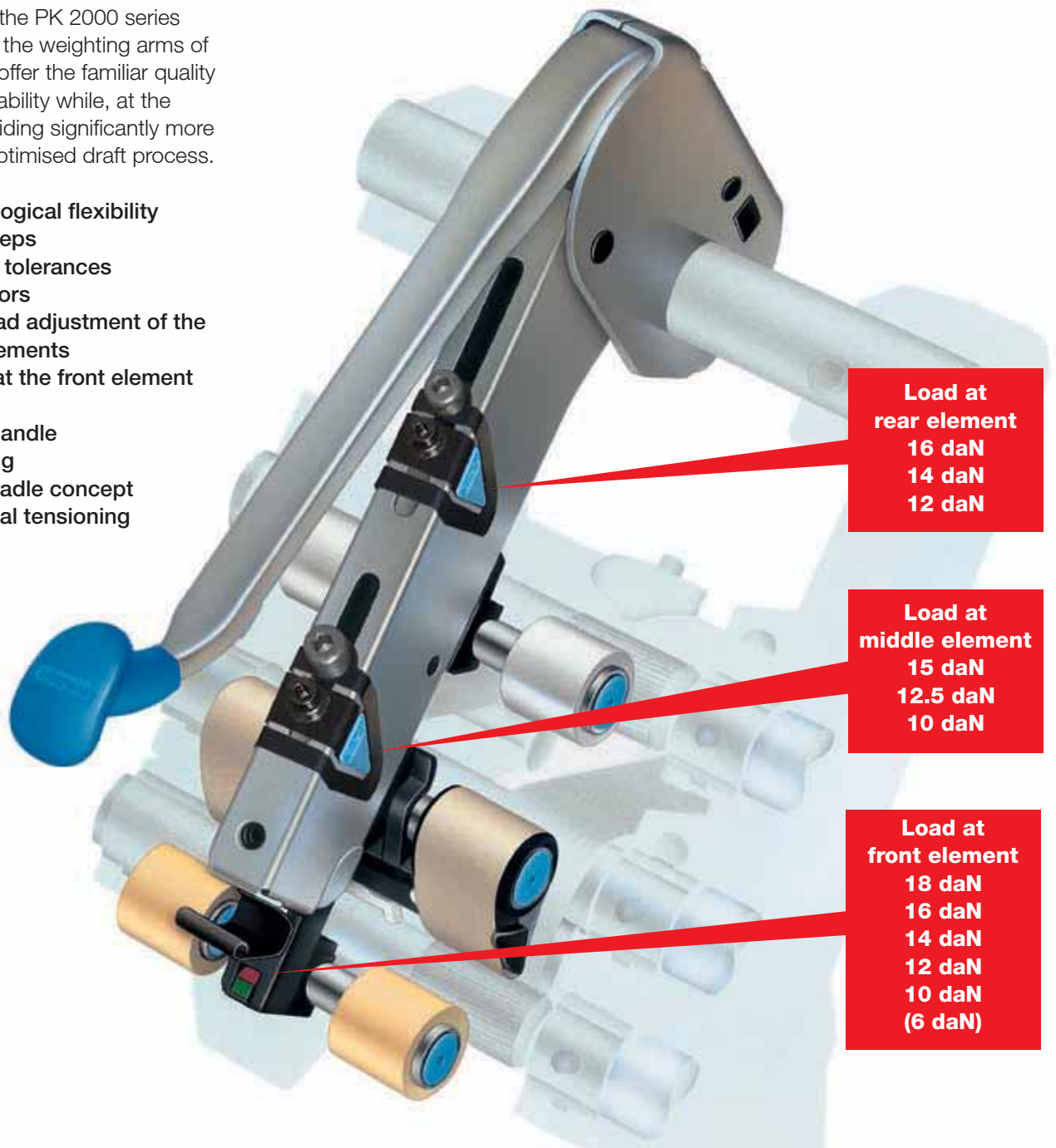
## Upgrade to the Top Class



# Flexibility without compromises

Compared with the PK 2000 series weighting arms the weighting arms of PK 2100 series offer the familiar quality and process reliability while, at the same time, providing significantly more options for an optimised draft process.

- High technological flexibility
- More load steps
- Smaller load tolerances
- Load indicators
- Individual load adjustment of the weighting elements
- Partial load at the front element (6 daN)
- Ergonomic handle
- Easy handling
- Top apron cradle concept with individual tensioning system



**Load at rear element**  
16 daN  
14 daN  
12 daN

**Load at middle element**  
15 daN  
12.5 daN  
10 daN

**Load at front element**  
18 daN  
16 daN  
14 daN  
12 daN  
10 daN  
(6 daN)



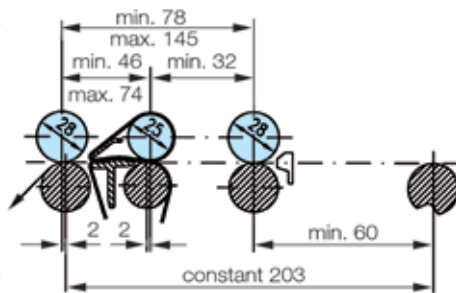
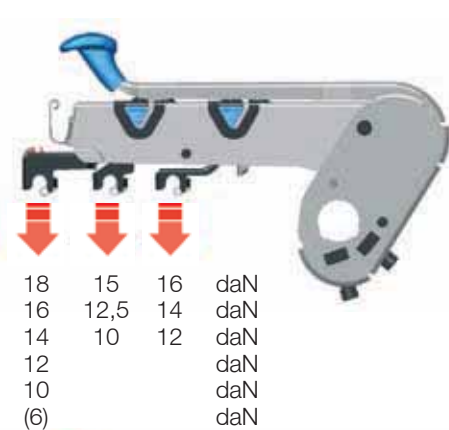
# Clear view of pressure settings



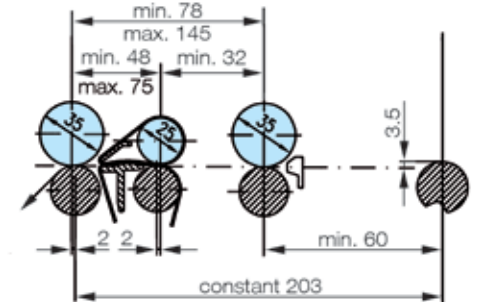
The 3 setting options of the blue triangle clearly indicate the load step setting for the given weighting element. Thus, the load set for all the machine's weighting elements can be monitored at a glance.

The PK 2100 series weighting arms enables the service personnel to see at a glance which load pressures have been set. The status of the blue triangle over the weighting elements clearly indicates the load step setting. In this way, the pressure set at the weighting arms can be easily monitored and corrected throughout the entire machine.

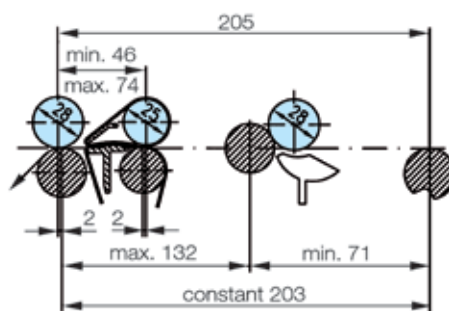
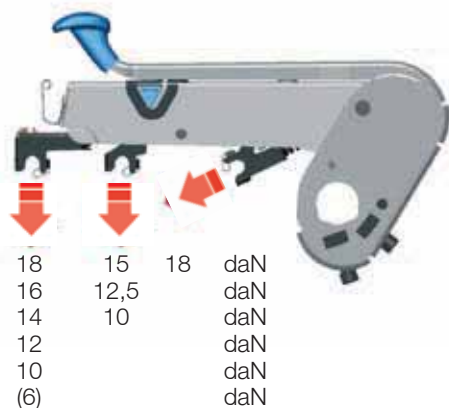
## The PK 2100 Series



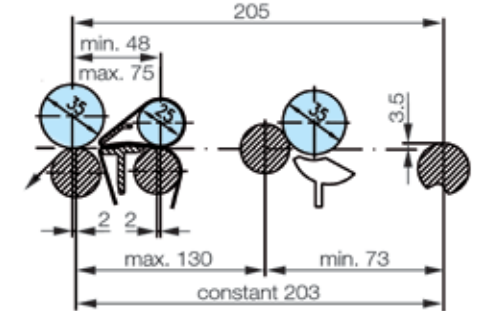
Draft arrangement PK 2130-6007 152



Draft arrangement PK 2135-6008 593



Draft arrangement PK 2155-6008 095



Draft arrangement PK 2165-6008 592

# Top Apron Cradles OH

## Tried and tested millions of time

Depending on the application, the weighting arms of PK 2100 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

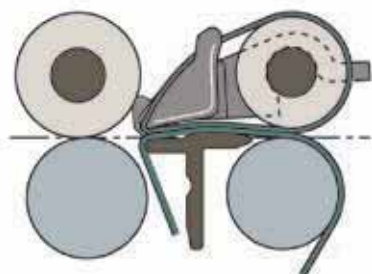
for cotton fibres over 40 mm length, man-made fibres and blends thereof up to cut lengths of 54 mm. Can be supplied in 68.4 mm and 75 mm gauges.

### Long top apron cradle OH 122

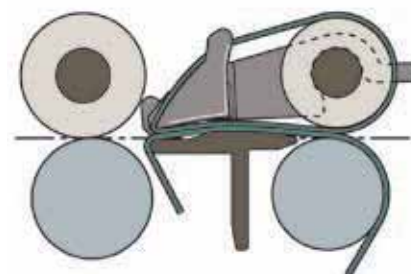
for man-made fibres of cut lengths up to approx. 60 mm. Available in 68.4 mm, 75 mm and 82.5 mm gauges.



Easy apron exchange without removal of the top apron cradle: Top apron cradle with individual tensioning system.



OH 2022

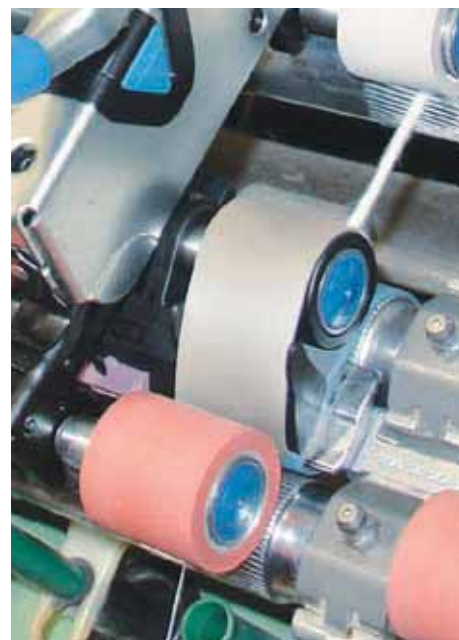


OH 2042

### The convincing features of the OH 2022 / OH 2042 top apron cradle system with individual tensioning

The constructional principle of the top apron cradles allows apron tolerances to be compensated with regard to apron guidance and stretching. The top apron cradles OH 2022 / OH 2042 with individual tensioning system offer further additional advantages:

- 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.



# Top Rollers LP 1000 Series

## High-quality products with high loading capacity

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

### Rear and front top rollers

- Small roller diameters
- Long service life at high load capacity
- Sturdy, high-quality ball bearings
- Precise running behaviour
- Completely hardened axles
- Ground saddle for precise seating in the weighting arm
- Minimised friction
- Reliable bearing seal
- Long service intervals
- Simple relubrication

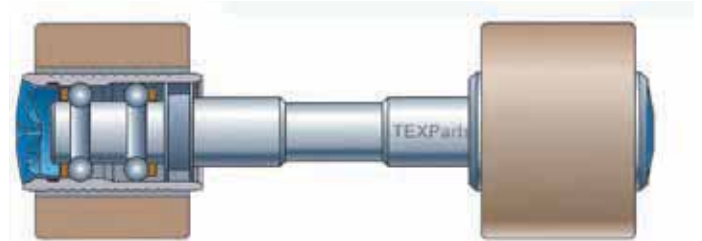
### Apron top rollers with special sleeves

- 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



### LP 1002 for PK 2130 / PK 2155

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



### LP 1002 for PK 2135 / PK 2165

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



### LP 1003 for PK 2130 / PK 2135 / PK 2155 / PK 2165

Top roller with special sleeves for use as apron top roller.



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