

PK 1500 Series Weighting Arms

**Coil spring loaded draft system
for roving frames**



PK 1500 Series Weighting Arms

Proven draft system for convincing roving quality

Series PK 1500 weighting arms are intended for 3-roller and 4-roller double apron draft systems on short fibre roving frames. They are suitable for spinning cotton, man-made fibres or blends thereof up to approx. 60 mm length. The PK 1500 weighting arms are easy to operate and ensure rovings of high quality.

The PK 1500 weighting arm series comprises the following types:

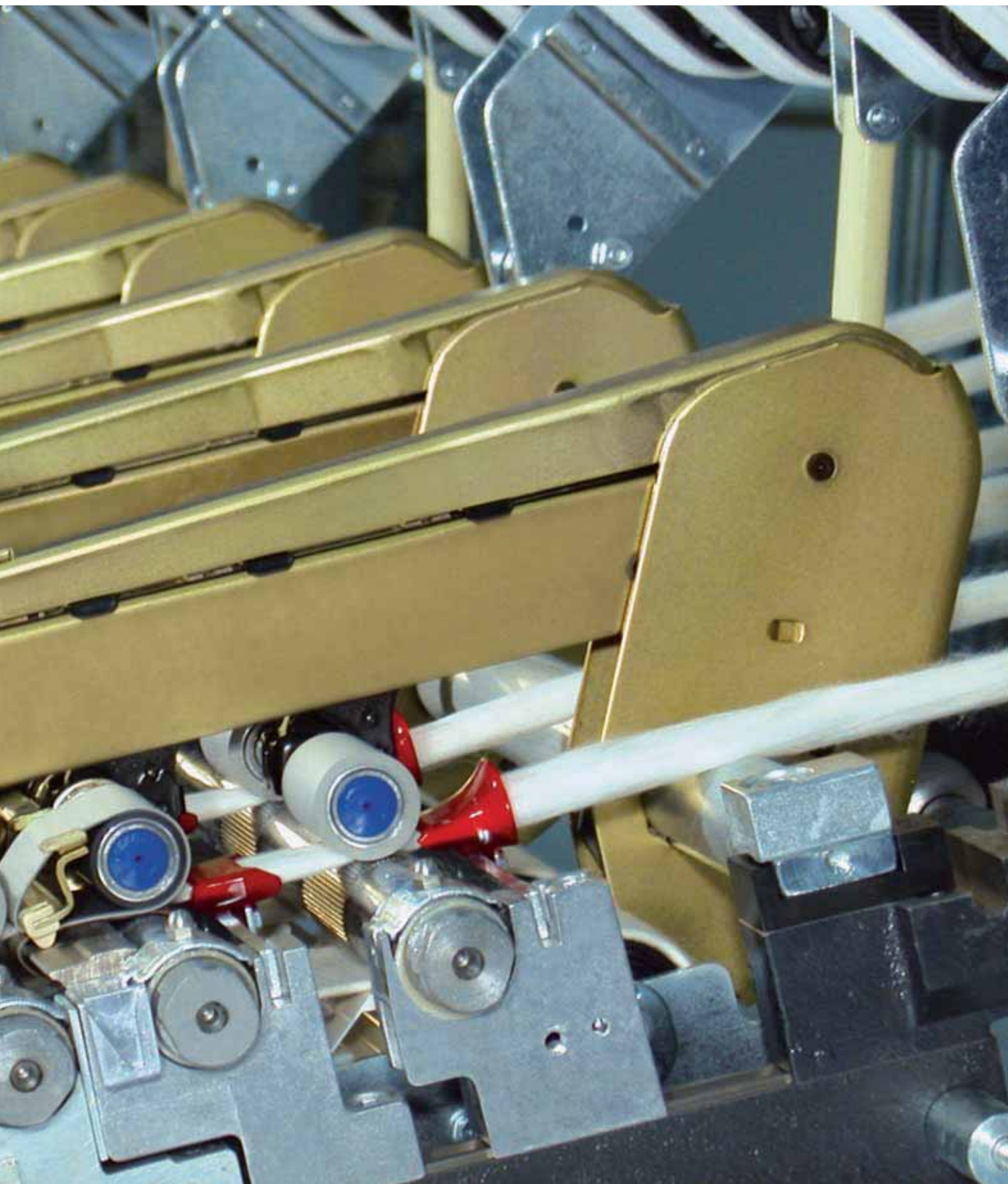
3-roller double apron draft systems

- PK 1500-0962 604
(28 mm Ø top rollers)
- PK 1500-0962 602
(35 mm Ø top rollers)

4-roller double apron draft systems

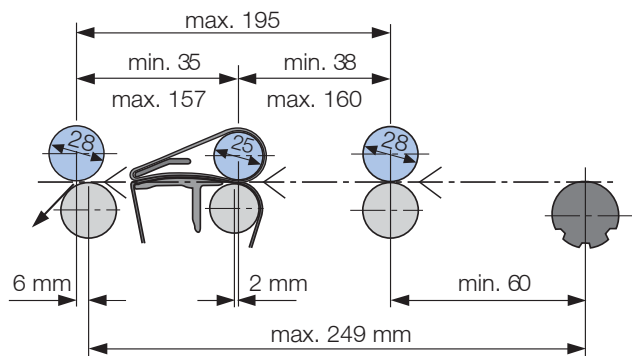
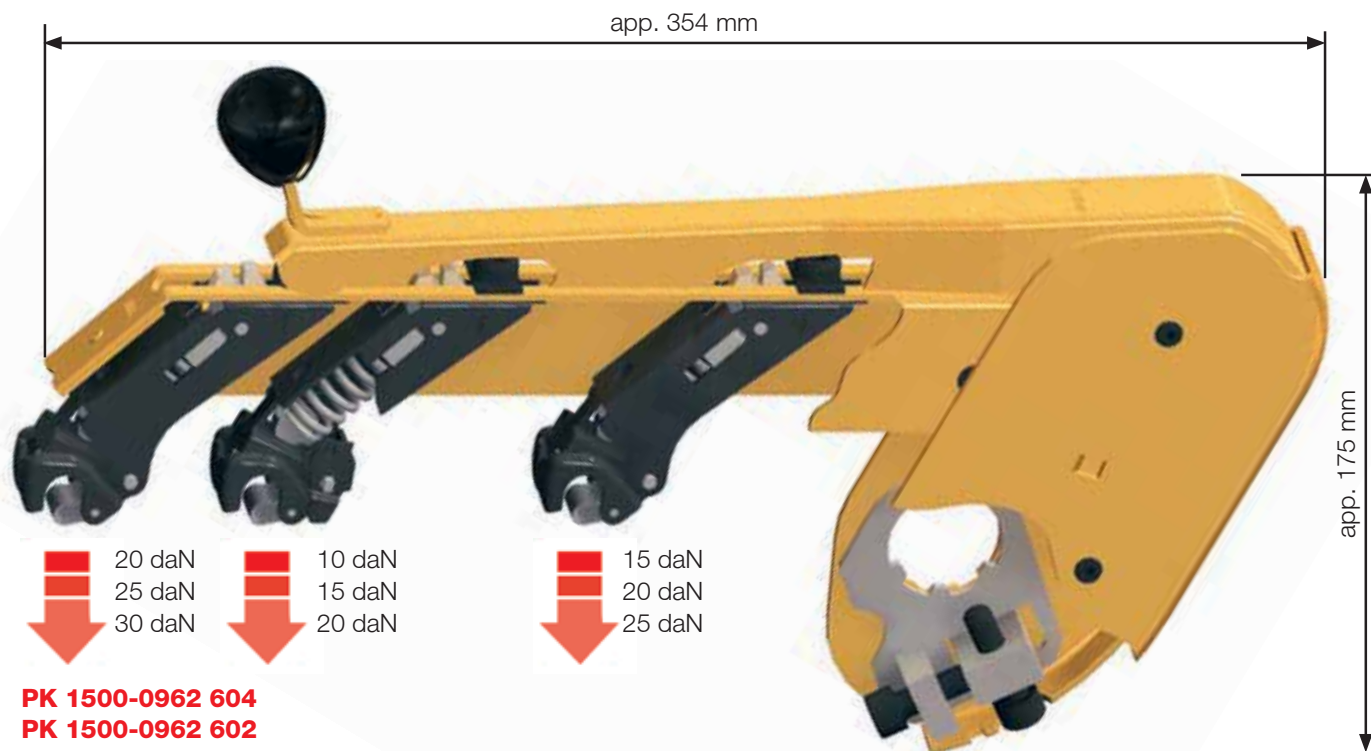
- PK 1500-0001 938
(28 mm Ø top rollers)



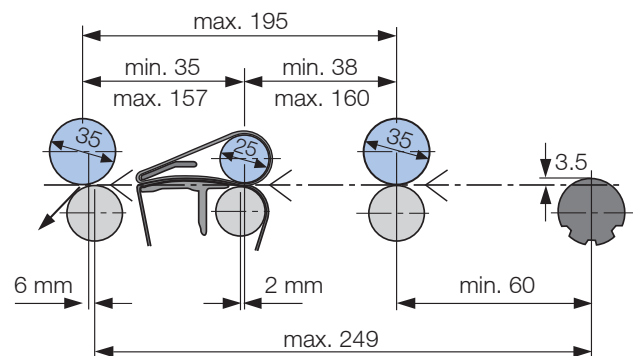


Weighting Arms PK 1500

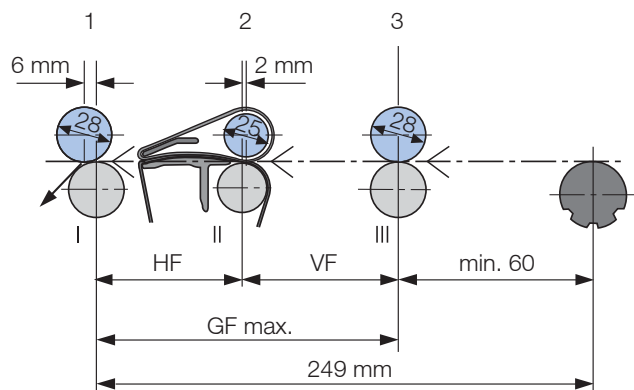
3-roller-double apron draft system



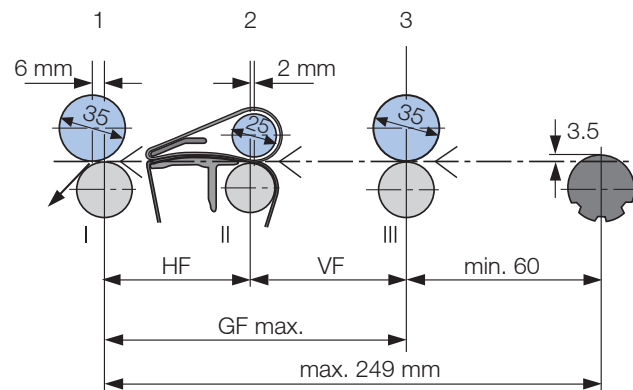
Draft arrangement PK 1500-0962 604



Draft arrangement PK 1500-0962 602



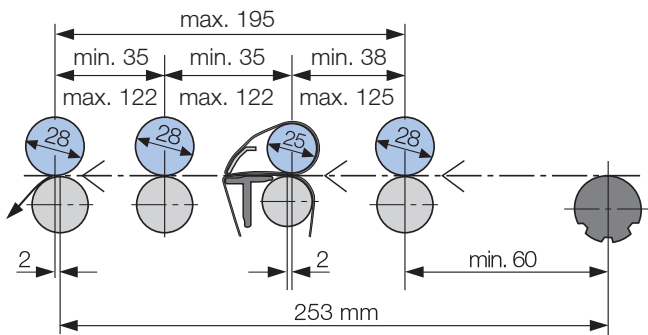
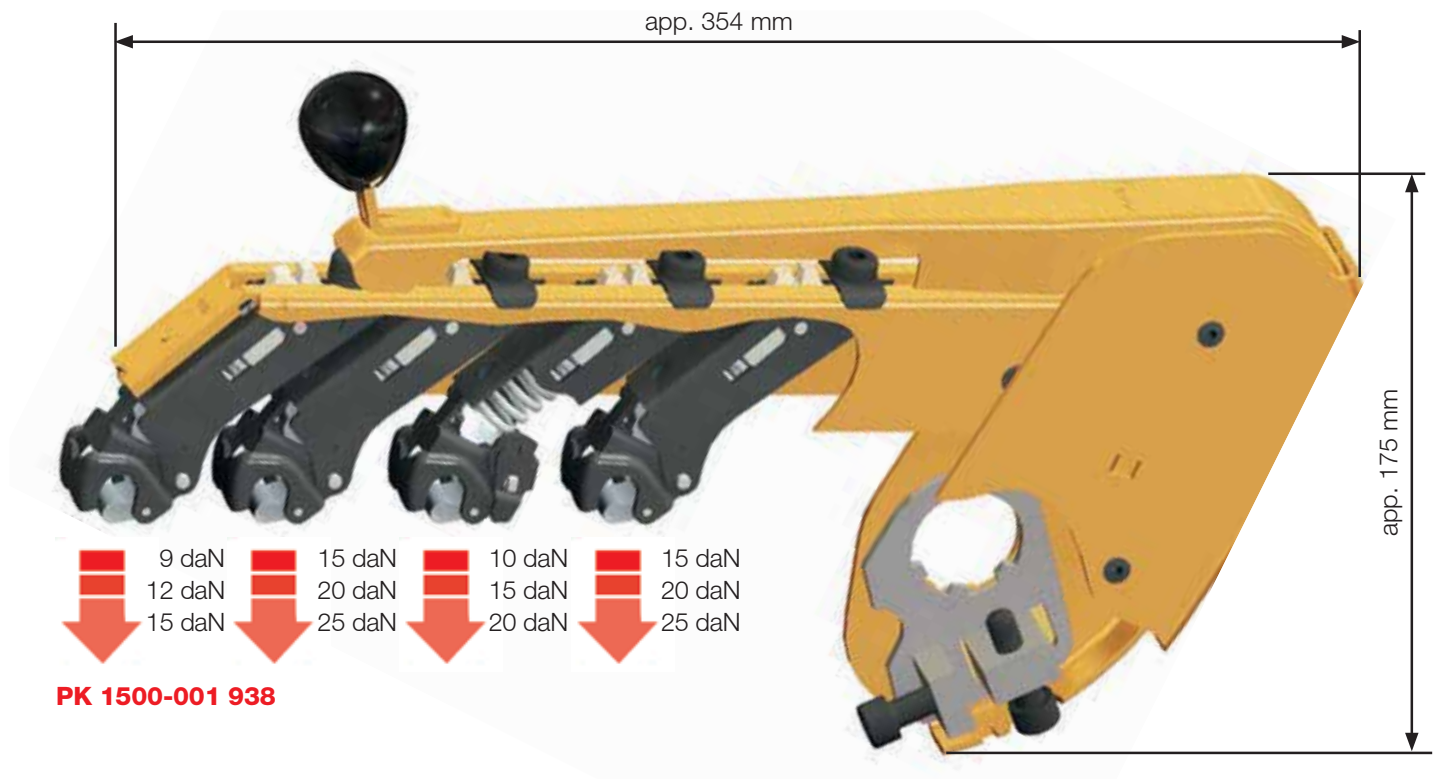
Draft field settings PK 1500-0962 604 (see also fig. draft field settings and maximum fibre length on page 6)



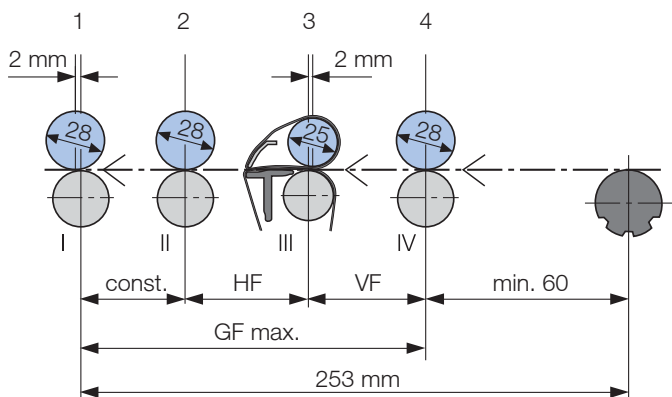
Draft field settings PK 1500-0962 602 (see also fig. draft field settings and maximum fibre length on page 6)

Weighting Arms PK 1500

4-roller-double apron draft system



Draft arrangement PK 1500-001 938



Draft field settings PK 1500-001 938 (see also fig. draft field settings and maximum fibre length on page 6)

The 4-roller weighting arm PK 1500-001 938 (28 mm Ø top rollers), which is designed for 4-roller double apron draft equipment differs from the 3-roller version in having an additional condensing zone between the roller pairs I/1 and II/2.

By deliberately condensing the fibre material in this zone, a reduction of the spinning delta is achieved, thus improving the incorporation of the fibres into the roving. This results in the following important advantages:

- Reduced number of roving breaks (improved process reliability)
- Increased efficiency
- Greater package density at roving frame bobbin thanks to the more compact roving

Top Apron Cradles

Maximum flexibility for the spinning process

3 different top apron cradles are available for the PK 1500

Depending on the fibre length, the following types of top apron cradle can be used for the PK 1500 weighting arm:

- **Short top apron cradle OH 514**

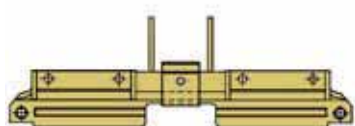
For cotton and man-made fibres and blends thereof up to 45 mm fibre length.

- **Medium top apron cradle OH 534**

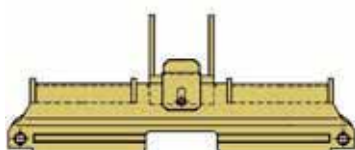
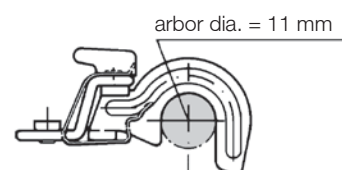
For cotton and man-made fibres and blends thereof up to 54 mm fibre length.

- **Long top apron cradle OH 524**

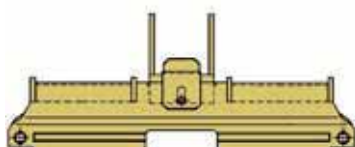
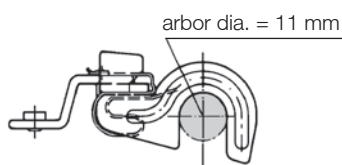
For cotton and man-made fibres and blends thereof up to 60 mm fibre length.



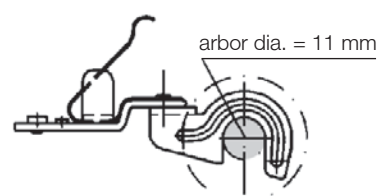
OH 514



OH 534



OH 524



Weighting arm	Top apron cradle	Bottom roller diameter				Draft field (mm)			Total draft field GF mm max.	Fibre length max. (mm)
		I	II	III	IV	HF	VF min	VF usual ¹⁾		
PK 1500-0001 938	OH 514	30/32	30/32	25/27	30/32	49	45	1)	193	45
PK 1500-0962 604	OH 514	30/32	25/27	30/32	-	49	40	1)	189	45
	OH 534					60	40	1)	189	54
	OH 524					76	40	1)	189	60
PK 1500-0962 602	OH 514	30/32	25/27	30/32	-	49	40	1)	189	45
	OH 534					60	40	1)	189	54
	OH 524					76	40	1)	189	60

Draft field settings and maximum fibre length of PK 1500

1) VF depends on the fibre to be spun and the fibre length

Top Rollers

Proven components with precise running behaviour

High quality top rollers with high loading capacity

Top rollers used in the PK 1500 weighting arms 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 features:

- 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
- Minimized friction
- Reliable bearing seal
- Long service intervals
- Simple maintenance

The top rollers are supplied as standard without cot. If required, however, Texparts can also supply mounted and ground top rollers.



LP 1075 for PK 1500

Top roller for use as rear and front top roller.
Roller diameter 19 mm. Diameter over cot 28 mm
or 35 mm (only 3-roller-version).



LP 1017 for PK 1500

Top roller for use as apron top roller as standard.
Roller diameter 19 mm. Diameter over cot 25 mm.

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