

## New PK 1500 series weighting arm for roving frames for improved roving & yarn quality



Precision components for spinning machines

Quality • Reliability • Innovation

### New PK 1500 series weighting arms for roving frames

TeraSpin weighting arms are characterised by **their robust design and corrosion resistant finish**. These weighting arms are built to **last the lifetime of the roving frame**. The loading springs used on TeraSpin weighting arms are designed for specified loads & last the product lifetime. **Each weighting arm exerts the same load on top rollers** irrespective of how long the weighting arm is in use or at what position in the machine it is fastened. **The new PK 1500 series weighting arms suitable for 30 mm dia. top rollers at front and rear positions give extended cots life and better roving and yarn quality.**

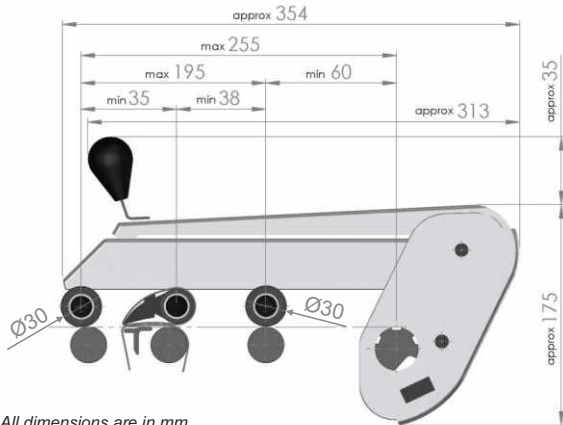
#### Features

- Suitable for 30 mm dia. top roller
- Reliable loading through leveraged force of helical coil springs
- Available in 3-roller and 4-roller drafting configurations
- Choice of load selection on each top roller
- New ergonomic design knob

#### Benefits

- Better roving and yarn quality
- Extended cots life
- Consistent quality of yarn
- No height gauge setting required after cot buffing within the specified range of cot diameters
- No pressure loss or pressure variations
- Suitable for a wide variety of fibres and yarn counts
- Virtually maintenance-free
- Long service life

## Weighting arm PK 1500-604 30 YB & PK 1500-604 30 SB



Note: All dimensions are in mm

### Combination of cradle and top rollers

Cradles	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH P 110	Up to 44 max.	27 - 30	30/25*/30	37 X 40 X 0.9 <sup>‡</sup>
OH 514-1275261	Up to 44 max.	27 - 30	30/25*/30	37 X 40 X 0.9 <sup>‡</sup>

Roller position	Weighting element	Top roller load in daN		
		Black	Green	Red
Front	ME 5	20	25	30
Middle (with apron)	XM 5-1	10	15	20
Rear	RG 5	15	20	25

Top roller at front and back position	Apron top roller
LP 315-000110	LP 317-000110

# Dia. of bottom rollers depends on machine manufacturers

\*\* Top roller cot dia. indicates the dia. of newly mounted cots and they are not in the scope of supply

@ Aprons are not in the scope of supply

\* It is recommended to keep the cot diameter on the lower side (up to 0.3 mm less) to allow free rotation of aprons

‡ One can use aprons of different thicknesses

### Application/s

Machine/s : Roving frame with 3-roller-double apron drafting system

Process : Spinning

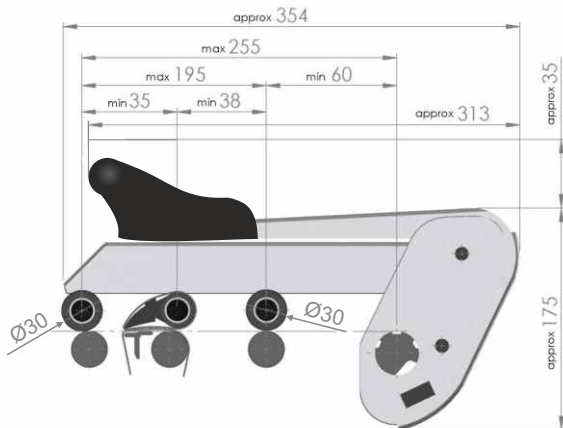
Raw material/s : Cotton, man-made fibres and their blends

### Variables

PK 1500-604 30 YB: Yellow passivation, black knob

PK 1500-604 30 SB: Silver passivation, black knob

## Weighting arm PK 1500-604 30 SR



Note: All dimensions are in mm

### Combination of cradle and top rollers

Cradles	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH P 110	Up to 44 max.	27 - 30	30/25*/30	37 X 40 X 0.9 <sup>‡</sup>
OH 514-1275261	Up to 44 max.	27 - 30	30/25*/30	37 X 40 X 0.9 <sup>‡</sup>

Roller position	Weighting element	Top roller load in daN		
		Black	Green	Red
Front	ME 5	20	25	30
Middle (with apron)	XM 5-1	10	15	20
Rear	RG 5	15	20	25

Top roller at front and back position	Apron top roller
LP 315-000110	LP 317-000110

# Dia. of bottom rollers depends on machine manufacturers

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‡ One can use aprons of different thicknesses

### Application/s

Machine/s : Roving frame with 3-roller-double apron drafting system

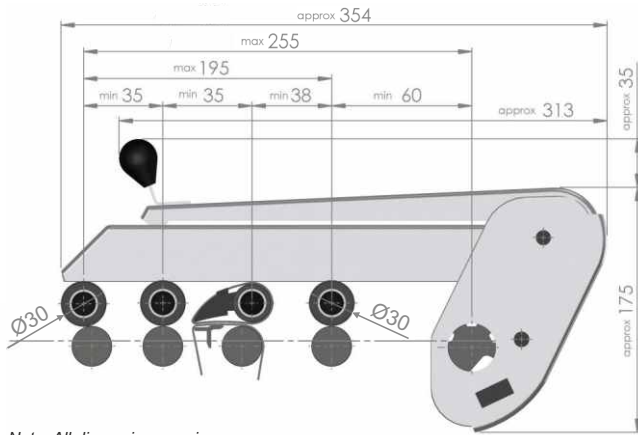
Process : Spinning

Raw material/s : Cotton, man-made fibres and their blends

### Variables

PK 1500-0962604 30 SR: Silver passivation, red knob

## Weighting arm PK 1500-1938 30 YB & PK 1500-1938 30 SB



Note: All dimensions are in mm

### Combination of cradle and top rollers

Cradles	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH P 110	Up to 44 max.	27 - 30	30/30/25*/30	37 X 40 X 0.9 <sup>□</sup>
OH 514-1275261	Up to 44 max.	27 - 30	30/30/25*/30	37 X 40 X 0.9 <sup>□</sup>

Roller position	Weighting element	Top roller load in daN		
		Black	Green	Red
Front	XR 5	9	12	15
2 <sup>nd</sup>	RG 5	15	20	25
3 <sup>rd</sup> (with apron)	XM 5-1	10	15	20
Rear	XM 5	10	15	20

Top roller at front & back position	Apron top roller
LP 315-000110	LP 317-000110

# Dia. of bottom rollers depends on machine manufacturers

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□ One can use aprons of different thicknesses

### Application/s

Machine/s : Roving frame with 4-roller-double apron drafting system

Process : Spinning

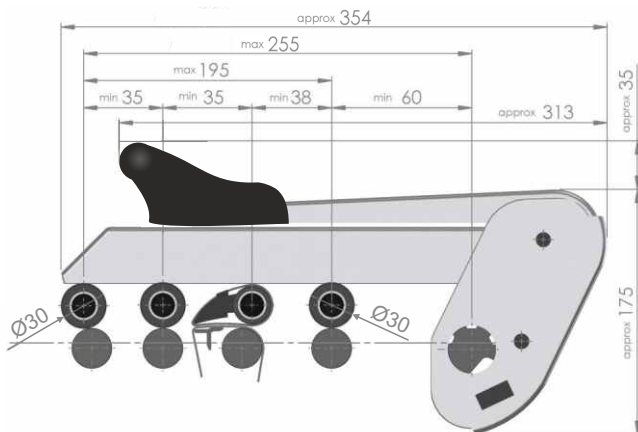
Raw material/s : Cotton, man-made fibres and their blends

### Variables

PK 1500-1938 30 YB: Yellow passivation, black knob

PK 1500-1938 30 SB: Silver passivation, black knob

## Weighting arm PK 1500-1938 30 SR



Note: All dimensions are in mm

### Combination of cradle and top rollers

Cradles	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH P 110	Up to 44 max.	27 - 30	30/30/25*/30	37 X 40 X 0.9 <sup>□</sup>
OH 514-1275261	Up to 44 max.	27 - 30	30/30/25*/30	37 X 40 X 0.9 <sup>□</sup>

Roller position	Weighting element	Top roller load in daN		
		Black	Green	Red
Front	XR 5	9	12	15
2 <sup>nd</sup>	RG 5	15	20	25
3 <sup>rd</sup> (with apron)	XM 5-1	10	15	20
Rear	XM 5	10	15	20

Top roller at front and back position	Apron top roller
LP 315-000110	LP 317-000110

# Dia. of bottom rollers depends on machine manufacturers

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□ One can use aprons of different thicknesses

### Application/s

Machine/s : Roving frame with 4-roller-double apron drafting system

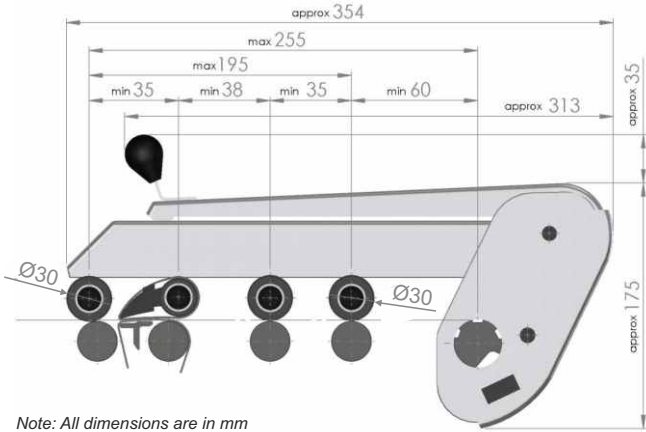
Process : Spinning

Raw material/s : Cotton, man-made fibres and their blends

### Variables

PK 1500-1938 30 SR: Silver passivation, red knob

## Weighting arm PK 1500-1940 30 YB & PK 1500-1940 30 SB



Note: All dimensions are in mm

### Combination of cradle and top rollers

Cradles	Fibre length (mm)	Bottom roller $\phi$ (mm) #	Top cot $\phi$ (mm) **	Recommended top apron size (mm)@
OH P 110	Up to 44 max.	27 - 30	30/25*/30/30	37 X 40 X 0.9 <sup>†</sup>
OH 514-1275261	Up to 44 max.	27 - 30	30/25*/30/30	37 X 40 X 0.9 <sup>†</sup>

Roller position	Weighting element	Top roller load in daN		
		Black	Green	Red
Front	ME 5	20	25	30
2 <sup>nd</sup> (with apron)	XM 5-1	10	15	20
3 <sup>rd</sup>	RG 5	15	20	25
Rear	RG 5	15	20	25

Top roller at front and back position	Apron top roller
LP 315-000110	LP 317-000110

# Dia. of bottom rollers depends on machine manufacturers

\*\* Top roller cot dia. indicates the dia. of newly mounted cots and they are not in the scope of supply

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† One can use aprons of different thicknesses

### Application/s

Machine/s : Roving frame with 4-roller-double apron drafting system

Process : Spinning

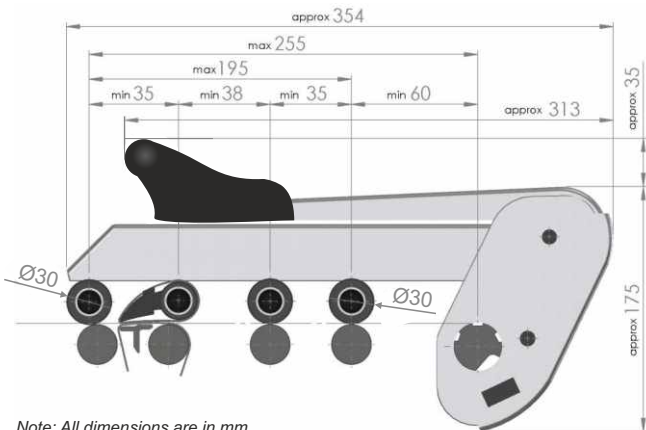
Raw material/s : Cotton, man-made fibres and their blends

### Variables

PK 1500-1940 30 YB: Yellow passivation, black knob

PK 1500-1940 30 SB: Silver passivation, black knob

## Weighting arm PK 1500-1940 30 SR



Note: All dimensions are in mm

### Combination of cradle and top rollers

Cradles	Fibre length (mm)	Bottom roller $\phi$ (mm) #	Top cot $\phi$ (mm) **	Recommended top apron size (mm)@
OH P 110	Up to 44 max.	27 - 30	30/25*/30/30	37 X 40 X 0.9 <sup>†</sup>
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Roller position	Weighting element	Top roller load in daN		
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Front	ME 5	20	25	30
2 <sup>nd</sup> (with apron)	XM 5-1	10	15	20
3 <sup>rd</sup>	RG 5	15	20	25
Rear	RG 5	15	20	25

Top roller at front and back position	Apron top roller
LP 315-000110	LP 317-000110

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\* It is recommended to keep the cot diameter on the lower side (up to 0.3 mm less) to allow free rotation of aprons

† One can use aprons of different thicknesses

### Application/s

Machine/s : Roving frame with 4-roller-double apron drafting system

Process : Spinning

Raw material/s : Cotton, man-made fibres and their blends

### Variables

PK 1500-1940 30 SR: Silver passivation, red knob



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