ate Group

TERASPIN

Weighting arms for roving frames

Precision components for spinning machines

Quality · Reliability · Innovation

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 ring frame or roving frame. The loading springs used on TeraSpin weighting arms are pre-calibrated for specified loads and last a life time. Each weighting arm exerts the same load on top rollers irrespective of how long they are in use or at what position in the machine they are fastened.

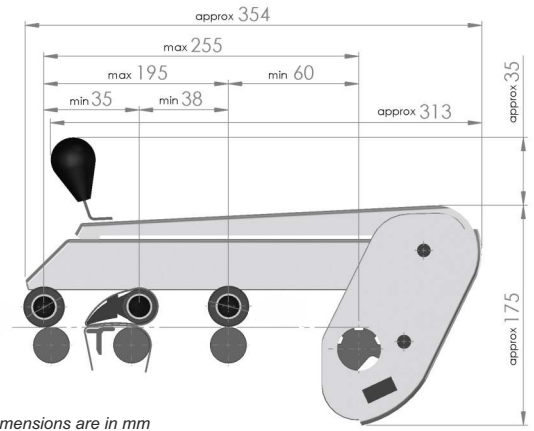
Features

- 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
- Corrosion resistant NiCr finish
- New ergonomics design of knob

Benefits

- Consistent quality of yarn
- No height gauge setting required after cot buffing within the specified range of cot diametres
- Free from vagaries of pneumatic pressure loss or pressure variations
- Suitable for a wide variety of fibres and yarn counts
- Virtually maintenance-free
- Long service life

Weighting arm PK 1500-0962604 & PK 1500-0962604 NC



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	28/25*/28	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	27 - 30	28/25*/28	37 X 40 X 0.9¤
OH P 310	45 - 54	30 - 32	35/33*/35	48 X 40 X 0.9¤
OH 534-1275268	45 - 54	30 - 32	35/33*/35	48 X 40 X 0.9¤
OH 534-000110	45 - 54	30 - 32	35/33*/35	48 X 40 X 0.9¤
OH 524-000110	55 - 60	30 - 32	35/33*/35	57.2 X 40 X 0.9¤

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

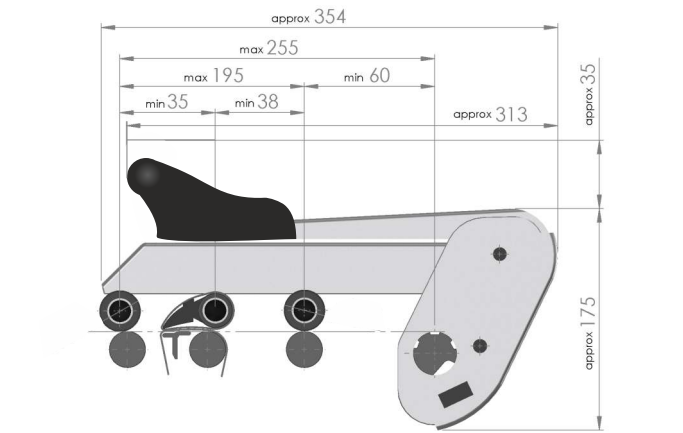
Application/s

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

Process/s : Spinning

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

Weighting arm PK 1500-0962604 NK



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	28/25*/28	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	27 - 30	28/25*/28	37 X 40 X 0.9¤
OH P 310	45 - 54	30 - 32	35/33*/35	48 X 40 X 0.9¤
OH 534-1275268	45 - 54	30 - 32	35/33*/35	48 X 40 X 0.9¤
OH 534-000110	45 - 54	30 - 32	35/33*/35	48 X 40 X 0.9¤
OH 524-000110	55 - 60	30 - 32	35/33*/35	57.2 X 40 X 0.9¤

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*

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¤ One can use aprons of different thicknesses

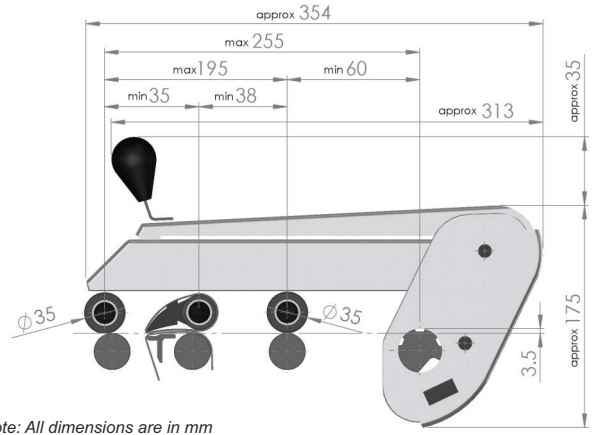
Application/s

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

Process/s : Spinning

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

Weighting arm PK 1500-0962602 & PK 1500-0962602 NC



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.	30	35/25*/35	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	30	35/25*/35	37 X 40 X 0.9¤
OH P 310	45 - 54	30 - 32	35/25*/35	43.5 X 40 X 0.9¤
OH 534-1275268	45 - 54	30 - 32	35/25*/35	43.5 X 40 X 0.9¤
OH 534-000110	45 - 54	30 - 32	35/25*/35	43.5 X 40 X 0.9¤
OH 524-000110	55 - 60	30 - 32	35/25*/35	52.7 X 40 X 0.9¤

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

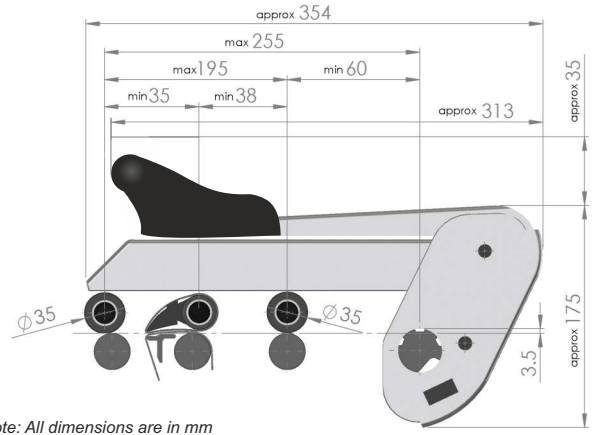
Application/s

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

Process/s : Spinning

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

Weighting arm PK 1500-0962602 NK



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.	30	35/25*/35	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	30	35/25*/35	37 X 40 X 0.9¤
OH P 310	45 - 54	30 - 32	35/25*/35	43.5 X 40 X 0.9¤
OH 534-1275268	45 - 54	30 - 32	35/25*/35	43.5 X 40 X 0.9¤
OH 534-000110	45 - 54	30 - 32	35/25*/35	43.5 X 40 X 0.9¤
OH 524-000110	55 - 60	30 - 32	35/25*/35	52.7 X 40 X 0.9¤

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*

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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

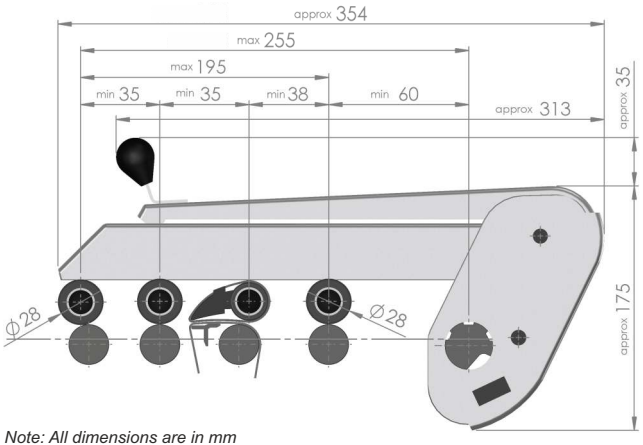
Application/s

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

Process/s : Spinning

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

Weighting arm PK 1500-0001938 & PK 1500-0001938 NC



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	28/28/25*/28	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	27 - 30	28/28/25*/28	37 X 40 X 0.9¤

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

Top roller at front, 2nd 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

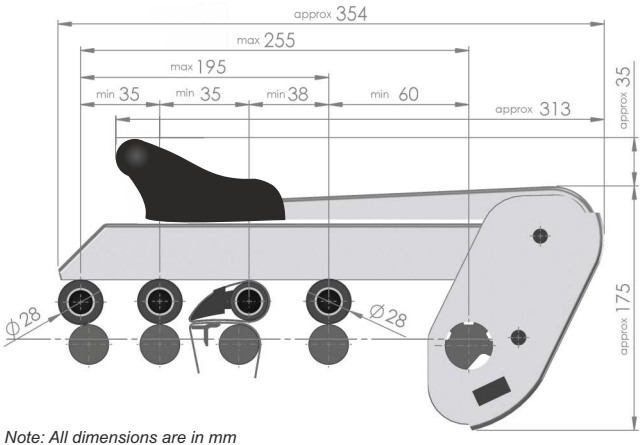
Application/s

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

Process/s : Spinning

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

Weighting arm PK 1500-0001938 NK



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	28/28/25*/28	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	27 - 30	28/28/25*/28	37 X 40 X 0.9¤

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

Top roller at front, 2nd 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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** 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

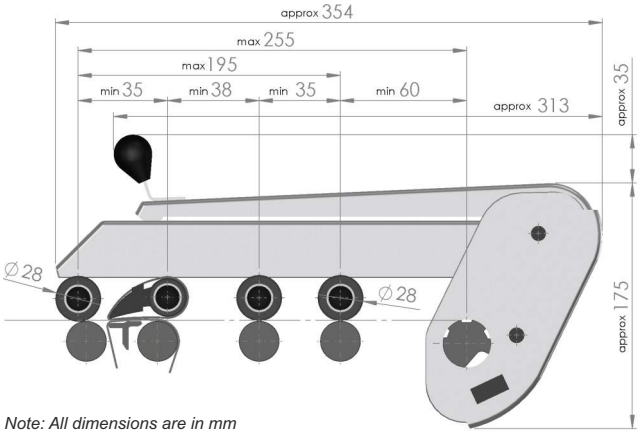
Application/s

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

Process/s : Spinning

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

Weighting arm PK 1500-0001940 & PK 1500-0001940 NC



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	28/25*/28/28	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	27 - 30	28/25*/28/28	37 X 40 X 0.9¤

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

Top roller at front, 3rd 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

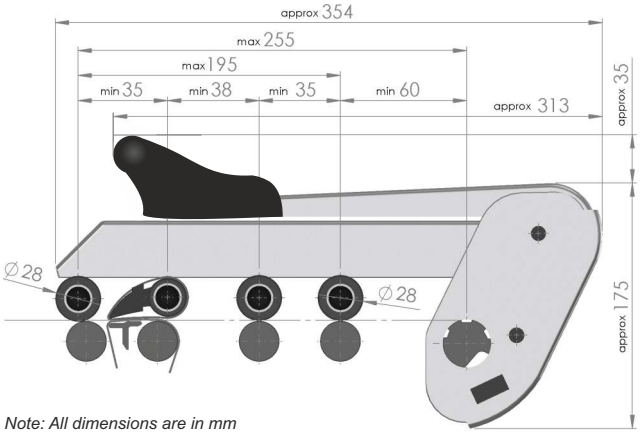
Application/s

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

Process/s : Spinning

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

Weighting arm PK 1500-0001940 NK



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	28/25*/28/28	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	27 - 30	28/25*/28/28	37 X 40 X 0.9¤

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

Top roller at front, 3rd 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

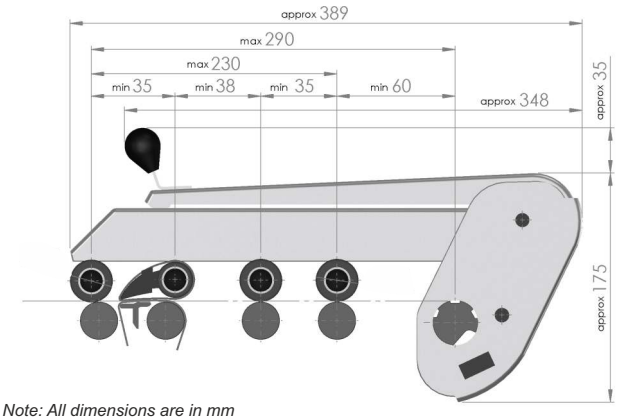
Application/s

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

Process/s : Spinning

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

Weighting arm PK 1600-40 & PK 1600-40 NC



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 - 32	28/25*/28/28	37 X 40 X 0.9¤
OH 514-1275261	Up to 44 max.	27 - 32	28/25*/28/28	37 X 40 X 0.9¤
OH P 310	45 - 54	27 - 32	35/33*/35/35	48 X 40 X 0.9¤
OH 534-1275268	45 - 54	27 - 32	35/33*/35/35	48 X 40 X 0.9¤
OH 534-000110	45 - 54	27 - 32	35/33*/35/35	48 X 40 X 0.9¤
OH 524-000110	55 - 60	27 - 32	35/33*/35/35	57.2 X 40 X 0.9¤

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

Top roller at front, 3rd and back position	Apron top roller
LP 315-000110	LP 317-000110

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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/s : Spinning

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

TeraSpin

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V1, Jul 2018