PRODUCT GUIDE

Chapter 4
TeraSpin weighting arms

2nd edition 2024

Research and Development is a continuous process. Hence, some of the information provided in this PRODUCT GUIDE may have become obsolete with TeraSpin's new developments in technology.

Published by

A.T.E. ENTERPRISES PRIVATE LIMITED

TeraSpin is a business unit of A.T.E. Enterprises Private Limited, a company engaged in the service of the textile industry since 1939. TeraSpin came into existence in 2012 after A.T.E.'s takeover of SKF India's textile spinning component business. Since then it has been innovating and making continual improvements in quality and reliability in the service of spinning mills and machinery manufacturers around the world.

TeraSpin's product range consists of weighting arms, top rollers & cradles for roving frame and ring frame, spindle bearing units and complete spindles for ring frames and doubling frames. TeraSpin also offers customized upgrades for existing ring spinning and roving frames.

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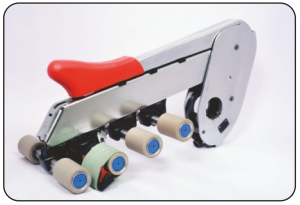
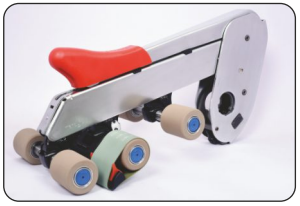
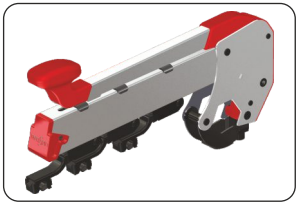
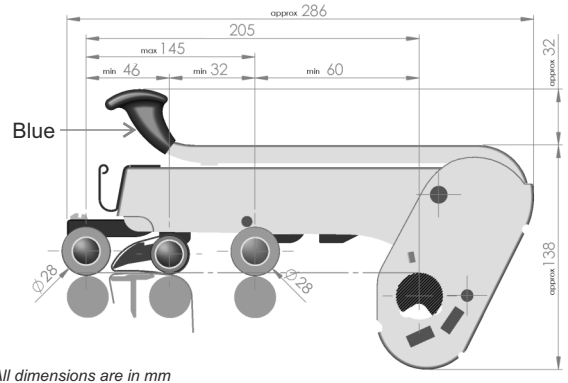
Chapter 4
TeraSpin weighting arms





PK series of weighting arms for short staple ring frames
PK 2025 - 1251331



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Top roller at front and back position	Apron top roller	Recommended top apron size (mm)@	Fibre length (mm)
OH 62-1275254	LP 302-000684	LP S 3683 LP 303-000684	37 x 28 x 0.9¤	Cotton – Up to 45 Man-made – Up to 40
OH S 168	LP 302-000684	LP S 3683 LP 303-000684		
OH 62-1275267	LP 302-000075	LP S 3753 LP 303-000075		
OH S 175	LP 302-000075	LP S 3753 LP 303-000075		
OH S 1681	LP 302-000684	LP S 3683 LP 303-000684	39.7x28x0.9¤	

Roller position	Bottom roller ø (mm)#	Top roller			
		Cot ø (mm)^	Load in daN		
Front	25 - 27	28	6* and 10	14	18
Middle (with apron)	25 - 27	25	10	14	–
Rear	25 - 27	28	12	16	–

 # 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

@ Apron is not in the scope of supply

** For partial load reduction please refer page no. IX-15 to IX-17*

¤ One can use apron of different thickness

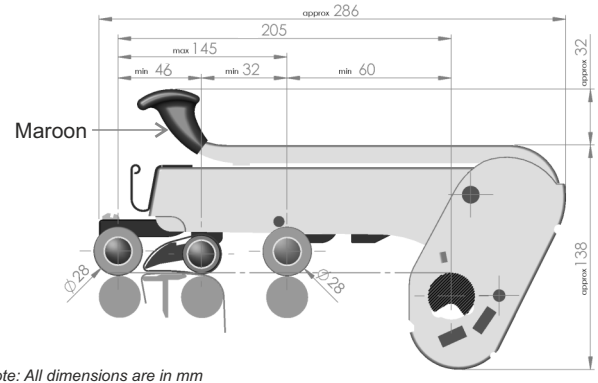
Application/s

Machine/s : Short staple ring frame with 3-roller-double apron drafting system

Process/s : Spinning

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

PK series of weighting arms for short staple ring frames
PK 2025 - 22 R



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Top roller at front and back position	Apron top roller	Recommended top apron size (mm)@	Fibre length (mm)
OH 62-1275254	LP 302-000684	LP S 3683 LP 303-000684	37 x 28 x 0.9¤	Cotton – Up to 45 Man-made – Up to 40
OH S 168	LP 302-000684	LP S 3683 LP 303-000684		
OH 62-1275267	LP 302-000075	LP S 3753 LP 303-000075		
OH S 175	LP 302-000075	LP S 3753 LP 303-000075		
OH S 1681	LP 302-000684	LP S 3683 LP 303-000684	39.7x28x0.9¤	

Roller position	Bottom roller ø (mm)#	Top roller			
		Cot ø (mm)^	Load in daN		
Front	25 - 27	28	10* and 14	18	22
Middle (with apron)	25 - 27	25	10	14	–
Rear	25 - 27	28	12	16	–

 # 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

@ Apron is not in the scope of supply

** For partial load reduction please refer page no. IX-15 to IX-17*

¤ One can use apron of different thickness

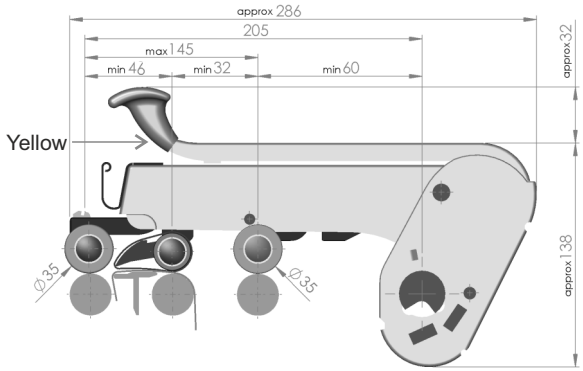
Application/s

Machine/s : Short staple ring frame with 3-roller-double apron drafting system

Process/s : Spinning

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

PK 2035 - 1251784



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Top roller at front and back position	Apron top roller	Recommended top apron size (mm)@	Fibre length (mm)
OH 131 -1275264	LP 302-00068	LP S 3681 LP 303-000684	41.5 x 28 x 0.9¤	45- 54
OH 121-000684	LP 302-000684	LP S 3681 LP 303-000684	51.7 x 28 x 0.9¤	55 - 60

Roller position	Bottom roller ø (mm)#	Top roller			
		Cot ø (mm)^	Load in daN		
Front	27 - 30	35	6* and 10	14	18
Middle (with apron)	25 - 27	25	10	14	–
Rear	27 - 30	35	12	16	–

 # 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

@ Apron is not in the scope of supply

** For partial load reduction please refer page no. IX-15 to IX-17*

¤ One can use apron of different thickness

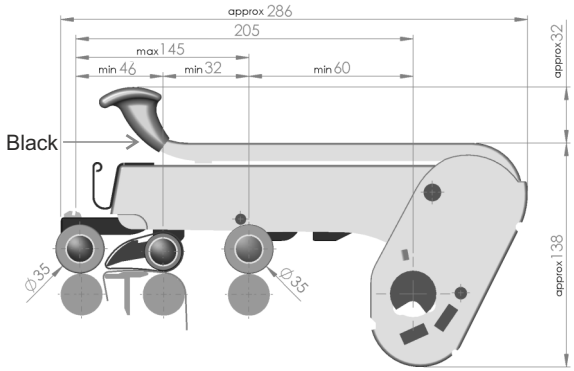
Application/s

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

Process/s : Spinning

Raw material/s : Man-made fibres and their blends

PK 2035 - 22 R



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Top roller at front and back position	Apron top roller	Recommended top apron size (mm)@	Fibre length (mm)
OH 131 -1275264	LP 302-00068	LP S 3681 LP 303-000684	41.5 x 28 x 0.9 ¤	45- 54
OH 121-000684	LP 302-000684	LP S 3681 LP 303-000684	51.7 x 28 x 0.9 ¤	55 - 60

Roller position	Bottom roller ø (mm)#	Top roller			
		Cot ø (mm)^	Load in daN		
Front	27 - 30	35	10* and 14	18	22
Middle (with apron)	25 - 27	25	10	14	–
Rear	27 - 30	35	12	16	–

 # 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

@ Apron is not in the scope of supply

** For partial load reduction please refer page no. IX-15 to IX-17*

¤ One can use apron of different thickness

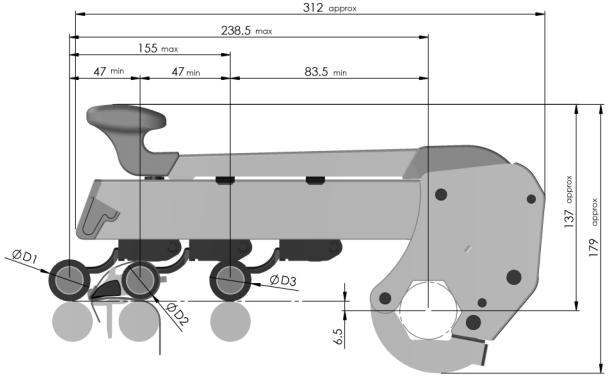
Application/s

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

Process/s : Spinning

Raw material/s : Man-made fibres and their blends

Flexi weighting arms of PK S 3200 series
Weighting arm PK S 3220 (suitable for short cradle & existing top rollers)



Note: All dimensions are in mm depending on ring frame configuration & customized requirement, TeraSpin will suggest the scope of supply

Application/s

Machine : Short staple ring frame with 3-roller double apron drafting system

Process : Spinning

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

\# *Diameter (Ø) of bottom rollers varies with machine make*

^ *Top roller cot diameter (Ø) indicates the diameter (Ø) of newly mounted cots & they are not in the scope of supply*

@ *Aprons are not in the scope of supply*

¤ *One can use aprons of different thicknesses*

* *Apron top roller comes with polymer sleeve, diameter (Ø)* 25 mm

Combination of cradles and top rollers

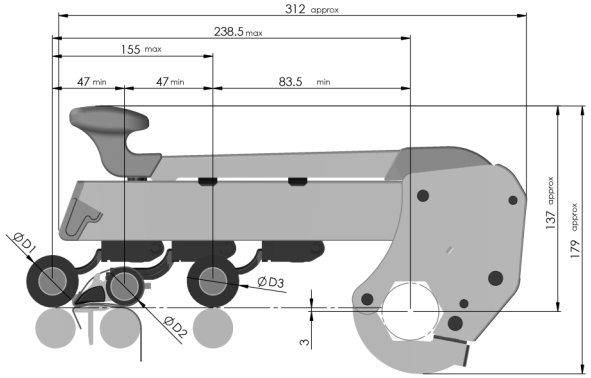
Cradles	Top rollers at front position	Top rollers at rear position
OH 62-1275254	LP 302-000070L	LP 302-000070L
OH S 168	LP 302-000070L	LP 302-000070L
OH 62-1275267	LP 302-000075L	LP 302-000075L
OH S 175	LP 302-000075L	LP 302-000075L
OH S 1681	LP 302-000070L	LP 302-000070L

Apron top rollers	Recommended top apron size (mm)@	Fibre length (mm)
LP S 3683, LP 303-000684	37 x 28 x 0.9¤	Cotton – Up to 45 Man-made – Up to 40
LP S 3683, LP 303-000684		
LP S 3753, LP 303-000075		
LP S 3753, LP 303-000075		
LP S 3683, LP 303-000684	39.7 x 28 x 0.9¤	

Roller position	Bottom roller Ø (mm) #	Weighting element
Front	27 – 30	WE S 3220
Middle (with apron)	25 – 27	WE S 3310
Rear	27 – 30	WE S 3520

Top roller					
Cot Ø (mm)^	Load in daN				
D1 = 30	10	13	16	19	22
D2 = 25*	10	12	14	16	18
D3 = 30	10	12	14	16	18

Weighting arm PK S 3225
(suitable for medium/long cradle & existing top rollers)



Note: All dimensions are in mm depending on ring frame configuration & customized requirement, TeraSpin will suggest the scope of supply

Application/s

Machine : Short staple ring frame with 3-roller-double apron drafting system

Process : Spinning

Raw material/s: Man-made fibres and their blends

\# *Diameter (Ø) of bottom rollers varies with machine make*

^ *Top roller cot diameter (Ø) indicates the diameter (Ø) of newly mounted cots & they are not in the scope of supply*

@ *Aprons are not in the scope of supply*

¤ *One can use aprons of different thicknesses*

* *Apron top roller comes with polymer sleeve, diameter (Ø)* 25 mm

Combination of cradles and top rollers

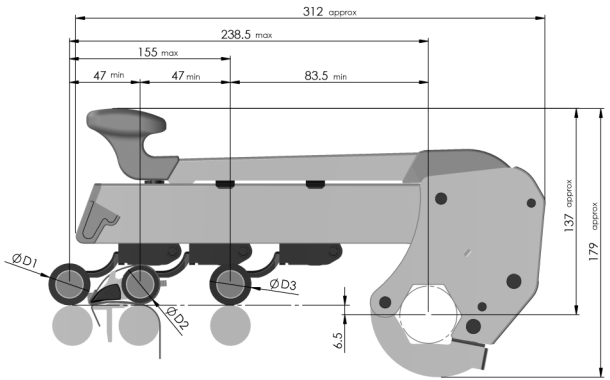
Cradles	Top rollers at front position	Top rollers at rear position
OH 131-1275264	LP 302-000070L	LP 302-000070L
OH 121-000684	LP 302-000070L	LP 302-000070L

Roller position	Bottom roller Ø (mm) #	Weighting element
Front	30	WE S 3220
Middle (with apron)	27 – 30	WE S 3410
Rear	30	WE S 3520

Apron top rollers	Recommended top apron size (mm)@	Fibre length (mm)
LP S 3683, LP 303-000684	41.5 x 28 x 0.9¤	45 – 54
LP S 3683, LP 303-000684	51.7 x 28 x 0.9¤	55 - 60

Top roller					
Cot Ø (mm)^	Load in daN				
D1 = 32-35	10	13	16	19	22
D2 = 25*	10	12	14	16	18
D3 = 32-35	10	12	14	16	18

Weighting arm PK S 3224 (suitable for H-Fang Compact)



Note: All dimensions are in mm depending on ring frame configuration & customized requirement, TeraSpin will suggest the scope of supply

Application/s

Machine : Short staple ring frame with 3-roller double apron drafting system

Process : Spinning

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

\# *Diameter (Ø) of bottom rollers varies with machine make*

^ *Top roller cot diameter (Ø) indicates the diameter (Ø) of newly mounted cots & they are not in the scope of supply*

@ *Aprons are not in the scope of supply*

¤ *One can use aprons of different thicknesses*

* *Apron top roller comes with polymer sleeve, diameter (Ø)* 25 mm

Combination of cradles and top rollers

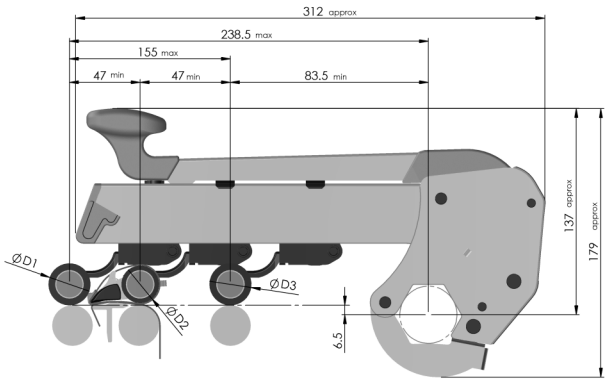
Cradles	Top rollers at front position	Top rollers at rear position
OH 62-1275254	LP 302-000070L	LP 302-000070L
OH S 168	LP 302-000070L	LP 302-000070L
OH 62-1275267	LP 302-000075L	LP 302-000075L
OH S 175	LP 302-000075L	LP 302-000075L
OH S 1681	LP 302-000070L	LP 302-000070L

Apron top rollers	Recommended top apron size (mm)@	Fibre length (mm)
LP S 3683, LP 303-000684	37 x 28 x 0.9¤	Cotton – Up to 45 Man-made – Up to 40
LP S 3683, LP 303-000684		
LP S 3753, LP 303-000075		
LP S 3753, LP 303-000075		
LP S 3683, LP 303-000684	39.7 x 28 x 0.9¤	

Roller position	Bottom roller Ø (mm) #	Weighting element
Front	27 – 30	WE S 3220
Middle (with apron)	25 – 27	WE S 3310
Rear	27 – 30	WE S 3520

Top roller					
Cot Ø (mm)^	Load in daN				
D1 = 30	10	13	16	19	22
D2 = 25*	10	12	14	16	18
D3 = 30	10	12	14	16	18

Weighting arm PK S 3226 (suitable for LMW Spinpact)



Note: All dimensions are in mm depending on ring frame configuration & customized requirement, TeraSpin will suggest the scope of supply

Application/s

Machine : Short staple ring frame with 3-roller double apron drafting system

Process : Spinning

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

 # Diameter (Ø) of bottom rollers varies with machine make

^ Top roller cot diameter (Ø) indicates the diameter (Ø) of newly mounted cots & they are not in the scope of supply

@ Aprons are not in the scope of supply

¤ One can use aprons of different thicknesses

** Apron top roller comes with polymer sleeve, diameter (Ø)* 25 mm

Combination of cradles and top rollers

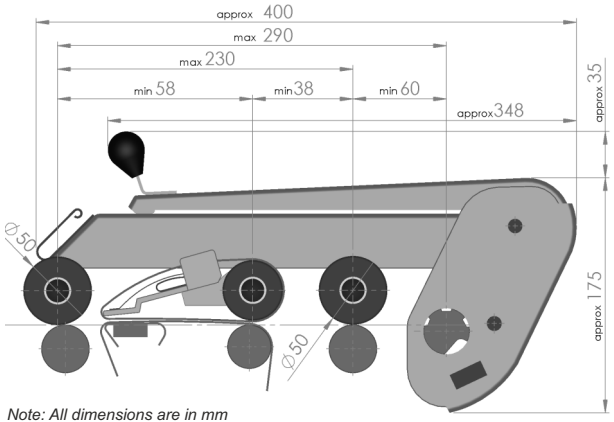
Cradles	Top rollers at front position	Top rollers at rear position
OH 62-1275254	LP 302-000070L	LP 302-000070L
OH S 168	LP 302-000070L	LP 302-000070L
OH 62-1275267	LP 302-000075L	LP 302-000075L
OH S 175	LP 302-000075L	LP 302-000075L
OH S 1681	LP 302-000070L	LP 302-000070L

Apron top rollers	Recommended top apron size (mm)@	Fibre length (mm)
LP S 3683, LP 303-000684	37 x 28 x 0.9¤	Cotton – Up to 45 Man-made – Up to 40
LP S 3683, LP 303-000684		
LP S 3753, LP 303-000075		
LP S 3753, LP 303-000075		
LP S 3683, LP 303-000684	39.7 x 28 x 0.9¤	

Roller position	Bottom roller Ø (mm) #	Weighting element
Front	27 – 30	WE S 3220
Middle (with apron)	25 – 27	WE S 3310
Rear	27 – 30	WE S 3520

Top roller					
Cot Ø (mm)^	Load in daN				
D1 = 30	10	13	16	19	22
D2 = 25*	10	12	14	16	18
D3 = 30	10	12	14	16	18

PK series of weighting arms for worsted ring frames PK 1601-01 YB and PK 1601-01 SB



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Top roller at front and back position	Apron top roller	Recommended top apron size (mm)@	Fibre length (mm)
OH 554 -000075	LP 314-000075	LP 316-000075	84.1 x 32 x 1 ¤	Upto 200

Roller position	Bottom roller ø (mm)#	Top roller				Weighing element
		Cot ø (mm)^	Load in daN			
			Black	Green	Red	
Front	32-35	50	20	27	35	MD 5
Middle (with apron)	27-30	48*	9	12	15	XR 5-1
Rear	32-35	50	20	25	30	ME 5

 # 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

** Top apron roller as recessed roller. For details please refer page no. IX-50 to IX-51*

@ Apron is not in the scope of supply

¤ One can use apron of different thickness

Application/s

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

Process/s : Spinning

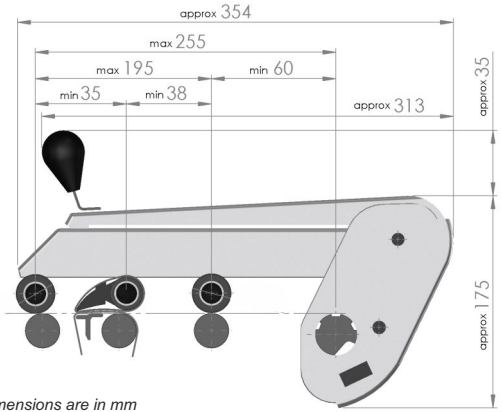
Raw material/s : Wool and its blend with man-made fibres and dry-spun bast fibres

Variables

PK 1601-01 YB : Yellow passivation, black knob

PK 1601-01 SB : Silver passivation, black knob

PK series of weighting arms for roving frames
PK 1500-0962604 YB and PK 1500-0962604 SB



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.	27 - 30	28/25*/28	37 X 40 X 0.9¤
OH 534-1275268 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¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable. Similarly polymer medium cradle OH 534-0001275268 and metal medium cradle OH 534-000110 are interchangeable

Roller position	Weighing 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*

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

Application/s

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

Process/s : Spinning

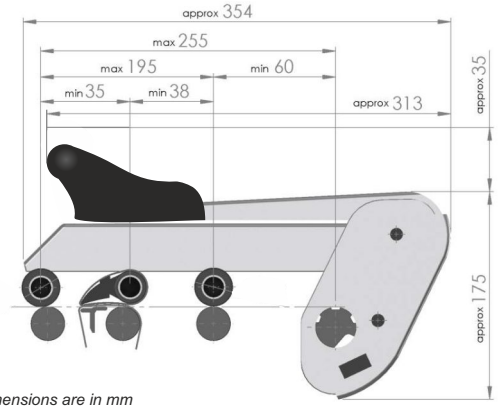
Raw material/s : Cotton, man-made fibres and their blends

Variables

PK 1500-0962604 YB : Yellow passivation, black knob

PK 1500-0962604 SB : Silver passivation, black knob

PK series of weighting arms for roving frames
PK 1500-0962604 SR



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.	27 - 30	28/25*/28	37 X 40 X 0.9¤
OH 534-1275268 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¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable. Similarly polymer medium cradle OH 534-0001275268 and metal medium cradle OH 534-000110 are interchangeable

Roller position	Weighing 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*

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

Application/s

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

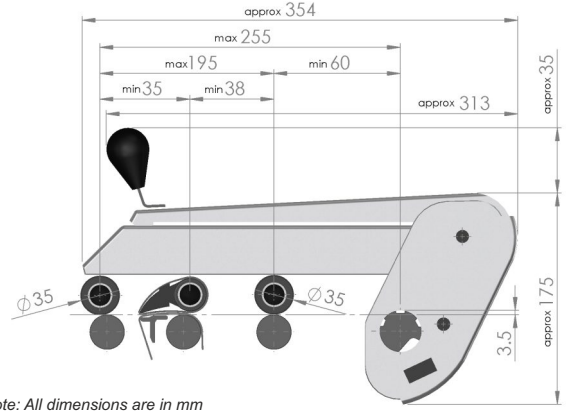
Process/s : Spinning

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

Variables

PK 1500-0962604 SR : Silver passivation, red knob

PK series of weighting arms for roving frames
PK 1500-0962602 YB and PK 1500-0962602 SB



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.	30	35/25*/35	37 X 40 X 0.9¤
OH 534-1275268 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¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable. Similarly polymer medium cradle OH 534-0001275268 and metal medium cradle OH 534-000110 are interchangeable

Roller position	Weighing 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*

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

Application/s

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

Process/s : Spinning

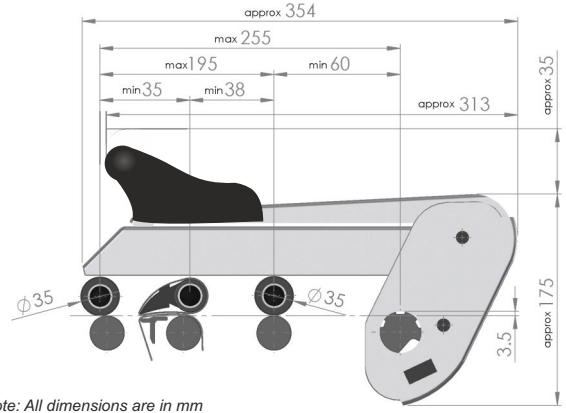
Raw material/s : Cotton, man-made fibres and their blends

Variables

PK 1500-0962602 YB : Yellow passivation, black knob

PK 1500-0962602 SB : Silver passivation, black knob

PK series of weighting arms for roving frames
PK 1500-0962602 SR



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.	30	35/25*/35	37 X 40 X 0.9¤
OH 534-1275268 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¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable. Similarly polymer medium cradle OH 534-0001275268 and metal medium cradle OH 534-000110 are interchangeable

Roller position	Weighing 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*

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

Application/s

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

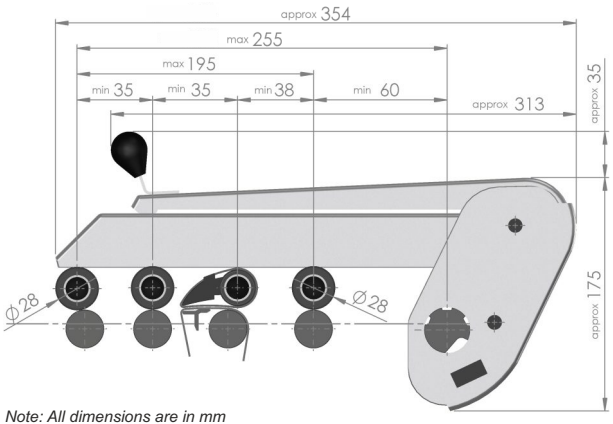
Process/s : Spinning

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

Variables

PK 1500-0962602 SR : Silver passivation, red knob

PK 1500-0001938 YB and PK 1500-0001938 SB



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.	27 - 30	28/28/25*/28	37 X 40 X 0.9¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable.

Roller position	Weighing 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*

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

Application/s

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

Process/s : Spinning

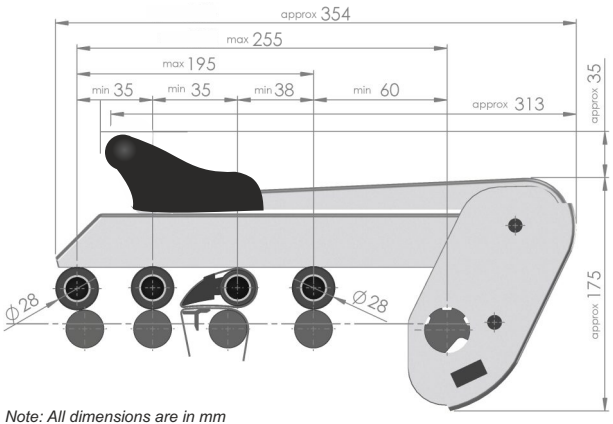
Raw material/s : Cotton, man-made fibres and their blends

Variables

PK 1500-0001938 YB : Yellow passivation, black knob

PK 1500-0001938 SB : Silver passivation, black knob

PK 1500-0001938 SR



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.	27 - 30	28/28/25*/28	37 X 40 X 0.9 ¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable.

Roller position	Weighing 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*

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

Application/s

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

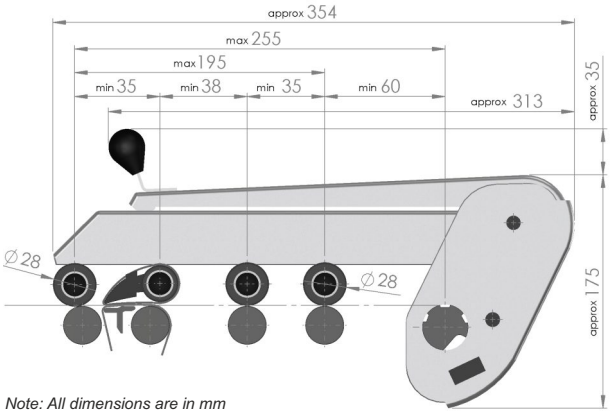
Process/s : Spinning

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

Variables

PK 1500-0001938 SR : Silver passivation, red knob

PK 1500-0001940 YB and PK 1500-0001940 SB



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.	27 - 30	28/25*/28/28	37 X 40 X 0.9¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable.

Roller position	Weighing 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

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

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

Application/s

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

Process/s : Spinning

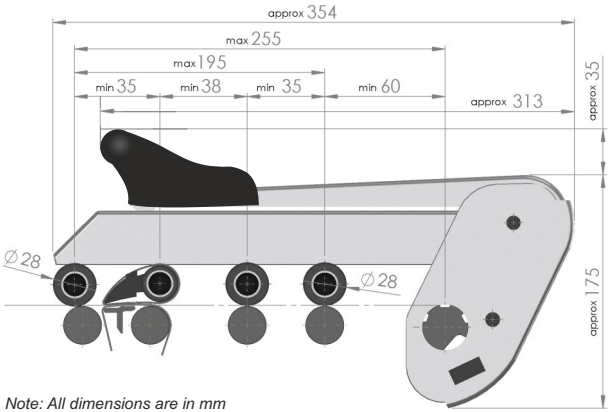
Raw material/s : Cotton, man-made fibres and their blends

Variables

PK 1500-0001940 YB : Yellow passivation, black knob

PK 1500-0001940 SB : Silver passivation, black knob

PK 1500-0001940 SR



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.	27 - 30	28/25*/28/28	37 X 40 X 0.9¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable.

Roller position	Weighing 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

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

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

Application/s

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

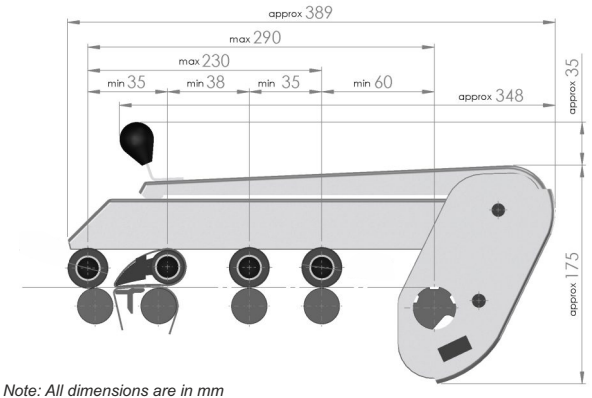
Process/s : Spinning

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

Variables

PK 1500-0001940 SR : Silver passivation, red knob

PK 1600-40 YB and PK 1600-40 SB



Note: All dimensions are in mm

Combination of cradle and top rollers

Cradle	Fibre length (mm)	Bottom roller ø (mm) #	Top cot ø (mm) **	Recommended top apron size (mm)@
OH 514-1275261 OH P 110	Up to 44 max.		28/25*/28/28	37 X 40 X 0.9¤
OH 534-1275268 OH 534-000110	45 - 54	27 - 32	35/33*/35/35	48 X 40 X 0.9¤
OH 524-000110	55 - 60		35/33*/35/35	57.2 X 40 X 0.9¤

Polymer short cradle OH 514-1275261 and OH P 110 are interchangeable. Similarly polymer medium cradle OH 534-0001275268 and metal medium cradle OH 534-000110 are interchangeable

Roller position	Weighing 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

 # 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*

@ Apron in not in the scope of supply

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

¤ One can use apron of different thickness

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

Variables

PK 1600-40 YB : Yellow passivation, black knob

PK 1600-40 SB : Silver passivation, black knob

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V2, Mar 2024