

Weighting arms for short staple and worsted ring frames



Precision components for spinning machines

Quality • Reliability • Innovation

Weighting arms for short staple and worsted ring 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**. The loading springs used on TeraSpin weighting arms are pre-calibrated for specified loads and last the product's lifetime. **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 it is fastened.

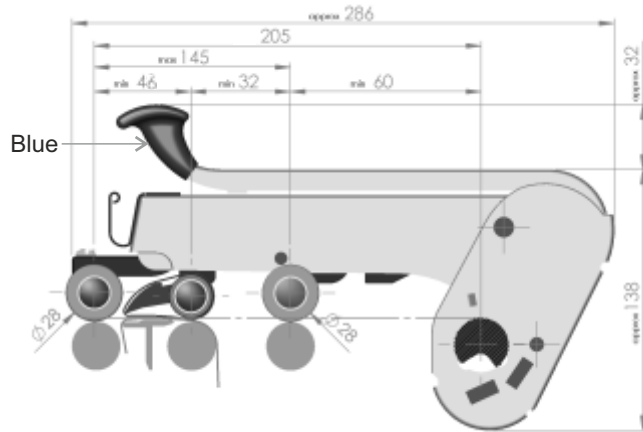
Features

- Reliable loading through leveraged force of helical coil springs
- Choice of load selection on each top roller
- Partial load release

Benefits

- Consistent quality of yarn
- No height gauge setting required after cot buffing within the specified range of the cot diametres
- 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 2025 - 1251331



Note: All dimensions are in mm

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

□ One can use aprons of different thickness

Application/s

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

Process : Spinning

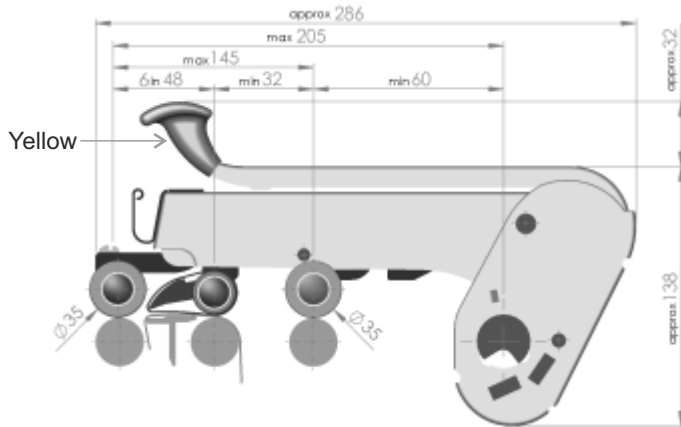
Raw material/s : Cotton, man-made fibres and their blends

Combination of cradle and top rollers

Cradles	Top roller at front and back position	Apron top rollers	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
OH S 168	LP 302-000684	LP S 3683 LP 303-000684		
OH 62-1275267	LP 302-000075	LP S 3753 LP 303-000075		Man-made – Up to 40
OH S 175	LP 302-000075	LP S 3753 LP 303-000075		

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	–

Weighting arm PK 2035 - 1251784



Note: All dimensions are in mm

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

□ One can use aprons of different thickness

Application/s

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

Process : Spinning

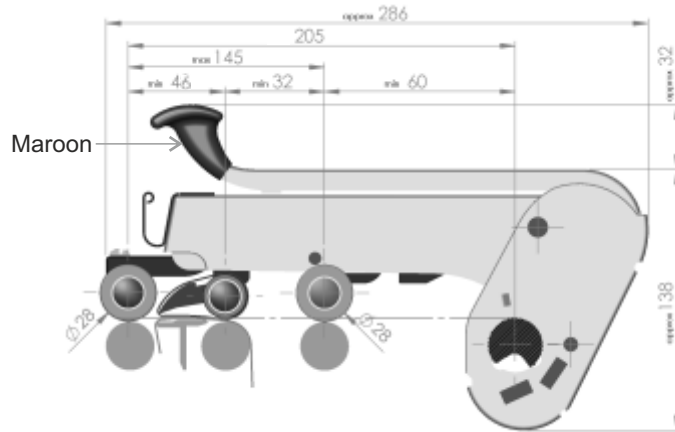
Raw material/s : Man-made fibres and their blends

Combination of cradle and top rollers

Cradles	Top roller at front and back position	Apron top rollers	Recommended top apron size (mm)@	Fibre length (mm)
OH 131 -1275264	LP 302-00068	LP S 3683 LP 303-000684	41.5 x 28 x 0.9 [□]	45 - 54
OH 121-000684	LP 302-000684	LP S 3683 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	–

Weighting arm PK 2025 - 22R



Note: All dimensions are in mm

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

□ One can use aprons of different thickness

Application/s

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

Process : Spinning

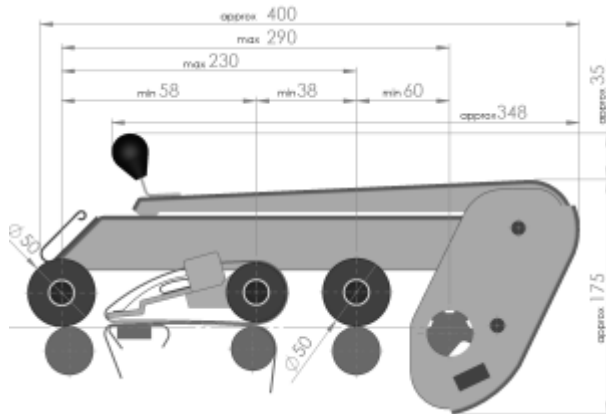
Raw material/s : Cotton, man-made fibres and their blends

Combination of cradle and top rollers

Cradles	Top roller at front and back position	Apron top rollers	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
OH S 168	LP 302-000684	LP S 3683 LP 303-000684		
OH 62-1275267	LP 302-000075	LP S 3753 LP 303-000075		Man-made – Up to 40
OH S 175	LP 302-000075	LP S 3753 LP 303-000075		

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	–

Weighting arm PK 1601-01 YB & PK 1601-01 SB



Note: All dimensions are in mm

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

* Top apron roller is recessed roller

□ One can use apron of different thickness

Application/s

Machine : Worsted ring frames with 3-roller-double apron drafting system

Process : Spinning

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

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)#	Cot ø (mm)^	Top roller			Weighting element
			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



A.T.E. ENTERPRISES PRIVATE LIMITED

(Business Unit: TeraSpin)

Survey no. 251, Sarkhej Bavla Highway (N.H. no. 8A), Village: Sari

Taluka: Sanand, Ahmedabad 382 220, Gujarat, India

T: +91-2717-699061 E: sales@teraspin.com W: www.ategroup.com/teraspin

CIN: U51503MH2001PTC132921

