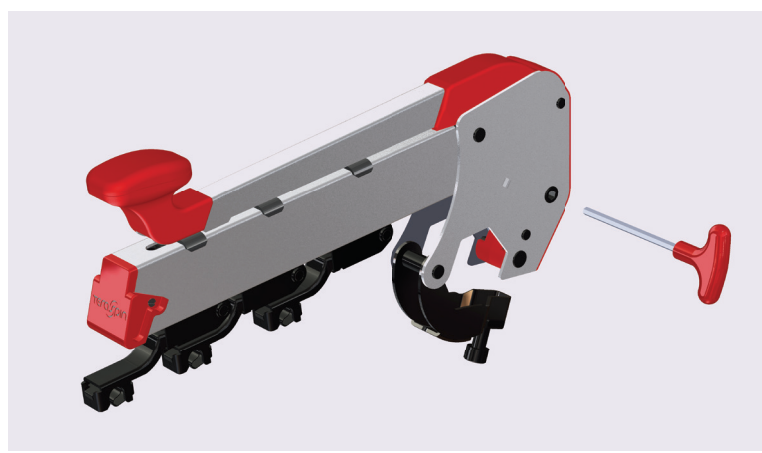


## Precision Components for Spinning Machines

### Ring Frame Weighting Arms & Components



PK S 3200 Series Flexi Weighting Arms



PK 2000 Series Weighting Arms

PK S 3200 Series Flexi Weighting Arms Load Chart							
	Bottom Roller Dia	Cot Dia	Top Roller Load (daN)				
			Black	Yellow	Green	Purple	Red
Front	27 - 30	30/35	10	13	16	19	22
Middle (apron roller)	25 - 30	25	10	12	14	16	18
Rear	27 - 30	30/35	10	12	14	16	18

PK 2025 Weighting Arms Load Chart (Short Cradle)								
	Bottom Roller Dia	Cot Dia	PK 2025 Top Roller Load (daN)					
			Black	Green	Red	Black	Green	Red
Front	25 - 27	28	6 & 10	14	18	10 & 14	18	22
Middle (apron roller)	25 - 27	25	10	14	-	10	14	-
Rear	25 - 27	28	12	16	-	12	16	-

PK 2035 Weighting Arms Load Chart (Medium & Long Cradle)								
	Bottom Roller Dia	Cot Dia	PK 2035 Top Roller Load (daN)					
			Black	Green	Red	Black	Green	Red
Front	27 - 30	35	6 & 10	14	18	10 & 14	18	22
Middle (apron roller)	27 - 30	25	10	14	-	10	14	-
Rear	27 - 30	35	12	16	-	12	16	-

# all bottom roller and top roller diameters in mm only					
Weighting Arm Type	Top Roller Type	Spindle Gauge (mm)	Total Length (mm)	Position	Images
PK 200 / 2000 Series	LP 302 - 000684	68.4	98.4	Front / Rear	
	LP 302 - 000075	75	105		
	LP 302 - 000825	82.5	112.5	Apron roller	
	LP 303 - 000684	68.4	100.4		
	LP 303 - 000075	75	107		
	LP 303 - 000825	82.5	114.5	Apron roller (with cot of 80 degree hardness)	
	LP S 3683	68.4	98.4		
	LP S 3753	75	105		
	LP S 3823	82.5	112.5	Cradle	
	OH 62 - 1275254 (Fixed Polymer)	68.4	35		
OH 62 - 1275267 (Fixed Polymer)	75	35			
OH 131 - 1275264 (Fixed Polymer)	68.4	42.5	Medium		
OH S 168 Smart Cradle	68.4	35	Short		
OH S 175 Smart Cradle	75	35			
LMW P3 & P3/1	LP 302 - 000070 L	70	100	All rows	
	LP 302 - 000075 L	75	105		
Rieter P3 & P3/1	LP 302 - 000070 R	70	100	All rows	
	LP 302 - 000075 R	75	105		

### Saddle Spring & Cradle Spring

PF E-36 Saddle Spring for all Elements	
OF E-62 Spring for Short Polymer FIXED Cradle	
OF E-4018 Spring for Short Polymer SMART Cradle	

### Ring Frame Spindles



High Performance Spindles



Premium ES Spindles



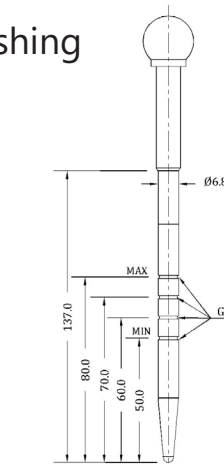
Smart Yarn Catcher Spindles

Insert Type	Application	Maximum Spindle Speed	Wharve Dia (mm)	Spindle Lift (mm)	DUI (mm)	Taper Ratio	Maximum Bobbin Length (mm)	Oil Level (mm)	Doffing Type
HF100	Ring Spinning	25,000 rpm	18.5	160 / 170	18 / 20	1:40 / 1:64	190	60 to 70	Auto Doffing/Manual
HF1	Ring Spinning	22,000 rpm	18.5 / 19	170 / 180 / 190	18 / 20	1:40 / 1:64	210	70 to 80	Auto Doffing/Manual
HF21	Ring Spinning / Doubling	20,000 rpm	20.2 & above	upto 250	20 & above	1:40 / 1:64	270	70 to 80	Auto Doffing/Manual
HF21C	Heavy Duty Application for Ring Spinning & Doubling	18,000 rpm	22.2 & above	upto 270	22 & above	1:40 / 1:64	300	70 to 80	Auto Doffing/Manual

### Useful Tips for Good Spindle Maintenance :

- Use Original TeraSpin dip stick only for measuring correct oil level
- Use Spindle lubricating machine with adaptor in good condition to ensure complete oil flushing and new oil filling starting from neck bearing
- Ensure that oil level is always maintained as per the insert type in the given chart
- Use recommended spindle oil grade only (ISO VG 10 mineral based)
- Do not interchange spindle top part with other bolsters
- While tightening spindle bolster, apply maximum 5 kg-m torque only, by torque wrench
- Check for spindle tape tension periodically
- Do not stop spindles by hand or fingers, use spindle brakes instead
- Remove damaged or worn-out bobbins regularly from usage
- Ensure neck bearing is wetted with 3-4 drops of oil before spindle running
- Ensure clearance between bobbin and spindle upper part is below 0.2mm at all times
- Avoid contamination of spindle bearing unit with cotton fluff or other foreign material
- Ensure bobbins are fully seated on the spindle upper part before running
- Follow spindle oil flushing and change schedules for running-in (24 hours, 7 days, and 30 days)

TeraSpin dip stick



### TRG 5 Top roller grease :

- Suitable for speed frame and ring frame top roller application
- Excellent lubrication and water resistance, ensures longer service life
- High frictional and wear resistance properties, with a wide range of working temperature (-30°C to 140°C)
- Long lubricating intervals (up to 30,000 hours)
- Available in 5 kg bucket



Distance Clip Recommendation Chart for Ring Frame Short Cradle

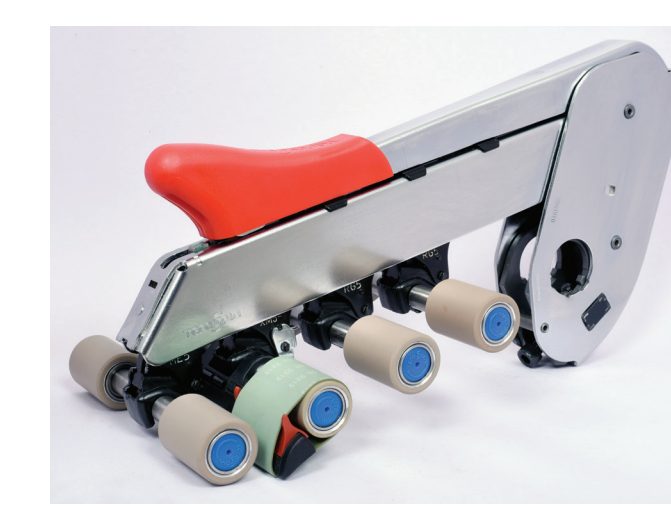
	Upto 10's	11's to 20's	21's to 30's	31's to 40's	41's to 50's	51's to 60's	61's to 70's	Above 70's
Red 1.00						✓	✓	✓
Yellow 2.20				✓	✓	✓	✓	✓
Lilac 2.50			✓	✓	✓			
White 2.90			✓	✓				
Grey 3.50		✓	✓					
Black 3.90		✓	✓					
Beige 5.00	✓	✓						
Green 6.00	✓							
Pink 7.50	✓							

Distance Clip Recommendation Chart for Speed Frame Short Cradle

	0.1 to 0.4 Hk	0.4 to 0.8 Hk	0.8 to 1.1 Hk	1.1 to 1.3 Hk	1.3 to 1.5 Hk	1.5 to 1.8 Hk	1.8 to 2.2 Hk	2.2 to 2.5 Hk	Above 2.5 Hk
White 3.50							✓	✓	✓
Grey 4.00							✓	✓	
Black 4.50						✓	✓	✓	
Orange 5.00				✓	✓	✓			
Beige 5.40			✓	✓	✓				
Green 6.50		✓	✓	✓	✓				
Pink* 7.50	✓	✓	✓	✓					
Blue* 9.00	✓	✓	✓						
Brown* 11.80	✓								

\* Not recommended for short cradle application. Recommended for medium and long cradle application only.

### Speed Frame Weighting Arms & Components



PK 1500 - 0001940



PK 1500 - 0962 604

PK 1500 - 0001 940						
	Bottom Roller Dia	Cot Dia	Weighting Elements	Top Roller Load (daN)		
				Black	Green	Red
Front	27 - 30	28	ME 5	20	25	30
2 <sup>nd</sup> (Apron Roller)	27 - 30	25	XM 5-1	10	15	20
3 <sup>rd</sup>	27 - 30	28	RG 5	15	20	25
Rear	27 - 30	28	RG 5	15	20	25

PK 1500 - 0001 938						
	Bottom Roller Dia	Cot Dia	Weighting Elements	Top Roller Load (daN)		
				Black	Green	Red
Front	27 - 30	28	XR 5	9	12	15
2 <sup>nd</sup>	27 - 30	28	RG 5	15	20	25
3 <sup>rd</sup> (Apron Roller)	27 - 30	25	XM 5-1	10	15	20
Rear	27 - 30	28	XM 5	10	15	20

PK 1500 - 0962 604								
	Cotton Process		MMF & Blends		Weighting Elements	Top Roller Load (daN)		
	Bottom Roller Dia	Cot Dia	Bottom Roller Dia	Cot Dia		Black	Green	Red
Front	27 - 30	28	30 - 32	35	ME 5	20	25	30
2 <sup>nd</sup> (Apron Roller)	27 - 30	25	30 - 32	33	XM 5-1	10	15	20
Rear	27 - 30	28	30 - 32	35	RG 5	15	20	25

PK 1500 - 0962 602								
	Cotton / MMF / Blends		MMF / Blends		Weighting Elements	Top Roller Load (daN)		
	Bottom Roller Dia	Cot Dia	Bottom Roller Dia	Cot Dia		Black	Green	Red
Front	30	35	30 - 32	35	ME 5	20	25	30
2 <sup>nd</sup> (Apron Roller)	30	25	30 - 32	25	XM 5-1 *	10	15	20
Rear	30	35	30 - 32	35	RG 5	15	20	25

\*With additional height piece # all bottom roller and top roller diameters in mm only

Weighting Arm Type	Top Roller Type	Spindle Gauge (mm)	Total Length (mm)	Position	Images	
PK 1500 / 1600 Series	LP 315 - 000110	110	150	All Rows Except Apron Roller		
	LP 317 - 000110	110	150	Apron Roller		
	Cradle		Gauge	R Distance	Cradle Type	
	OH 514 - 1275261 (Fixed Polymer)	110	35	Short		
	OH 534 - 1275268 (Fixed Polymer)	110	45	Medium		
OH 534 - 000110 (Metal)	110	45	Medium			
OH 524 - 000110 (Metal)	110	60.5	Long			
OH P 110 (Smart Cradle)	110	35	Short			
Elements						
XM 5 / ME 5 / RG 5 / XR 5						
XM 5 - 1						

### Saddle Spring & Cradle Spring

OF E-514 Cradle Spring For Short Polymer Cradle	
OF E-PA Cradle Spring For Medium Polymer Cradle	
OF E-37 Spring For Medium Metal Cradle	
PF E-27 Saddle Spring For All Elements	



## Product Selector

