

Flexi Weighting Arms

PK S 3000 Series



Quality • Reliability • Innovation

Spinning mills have two basic choices for drafting systems for their ring frames – pneumatic drafting systems or mechanical (spring loaded) drafting systems. Mechanical drafting is generally preferred to pneumatic drafting. This is because spring loaded mechanical weighting arms are maintenance free, hence maintenance time & cost is almost zero. Furthermore, the spring loaded weighting arms give comparatively better yarn quality consistently. Thus, the mechanical weighting arms are “fit & forget” and are user friendly.

Spinning mills with ring frames originally equipped with pneumatic drafting, therefore, prefer to switch to mechanical drafting to optimise the ring frame performance and save maintenance cost, but are deterred by the high cost of the switchover. Because a change from pneumatic to mechanical drafting usually involves the replacement of the complete drafting system (weighting arm, top rollers and cradles) along with other auxiliaries.

TeraSpin's dedicated efforts have paid off with the development of a novel solution to resolve this issue. TeraSpin's Flexi weighting arms for short staple ring frames offer maximum flexibility to use the existing drafting parts, compact systems, and other existing arrangements. This enables the switch over from the pneumatic drafting system to a superior mechanical drafting system most economically.

Besides, the new Flexi weighting arms are very easy to install, are user friendly, and save time in pressure (height) setting, thus making them an even more attractive value proposition.

Features:

- Suitable for hexagonal arm bar
- Can accommodate existing top rollers
- Higher front top roller load
- Options of 5 different loads on each top roller
- Adjustable front top roller off-set
- Easy height (pressure) setting
- Easily replaceable individual weighting elements for each top roller
- Suitable for compact systems
- Reliable loading through leveraged force of helical coil springs

Benefits:

- Minimal investment
- Consistent and better yarn quality
- Improves working of ring frame
- Easy to install
- Longer service life
- Virtually maintenance free
- Suitable for a wide variety of fibre and yarn counts
- Free from vagaries of pneumatic pressure loss or pressure variation
- No height gauge setting required after cot buffing within the specified range of the cot diameters



PK S 3210 / 3220 / 3230 / 3231 /
3240 / 3241 / 3410 / 3420



Easy installation and height setting

Variants:

- PK S 3210: Short cradle, TeraSpin top rollers, hexagonal arm bar
- PK S 3220: Short cradle, existing top rollers, hexagonal arm bar
- PK S 3230: Suessen compact (element directly loading compact roller), existing top rollers
- PK S 3231: Suessen compact with leaf spring, existing top rollers
- PK S 3240: Suessen compact – element directly loading compact roller, TeraSpin top rollers
- PK S 3241: Suessen compact with leaf spring, TeraSpin top rollers
- PK S 3410: Medium/long cradle, TeraSpin top rollers, hexagonal arm bar
- PK S 3420: Medium/long cradle, existing top rollers, hexagonal arm bar