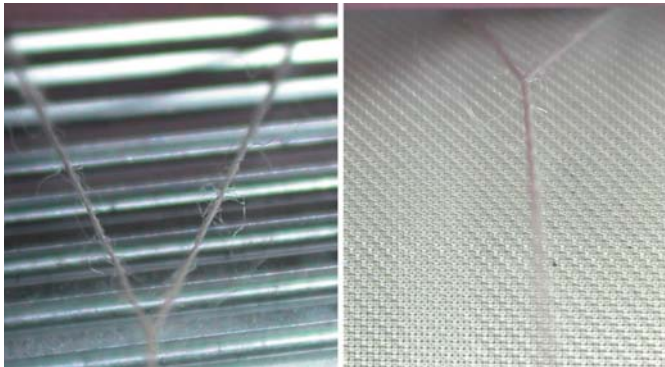


SUESSEN EliTwist[®]

Two-Ply Compact Yarn directly from the Ring Spinning Frame



Twisting triangle in standard Siro Spinning

EliTwist® twisting triangle



The EliTwist® Spinning Method combines compact spinning and twisting of a yarn in one single operation. It produces a two-ply yarn with identical direction of twist in both yarn legs.

The twisting triangle is very small and the ends-down rates are very low even at high spindle speeds.

The specific yarn design of EliTwist® has succeeded in further improving the excellent textile and physical characteristics of a single compact yarn already known.

Typical properties of EliTwist® Yarn are:

- Superior yarn strength and maximum work capacity owing to excellent fibre substance utilization
- Very good yarn evenness as a result of doubling
- Round, compact yarn cross-section
- Very low hairiness values
- Smooth yarn surface
- High resistance to yarn slippage
- Good abrasion resistance

Economic Efficiency:

- Compact spinning and twisting in one operation
- Significant production increase on ring spinning and winding machine
- Doubling and twisting are avoided
- Spindle speed and ends-down achieve the level of single compact yarns spun in the same yarn count

Wide field of application:

- Principally no restriction regarding raw materials; fibre blends are also possible
- High-grade shirts and trouser fabrics
- Light gabardine fabrics
- Increasingly used for knitwear
- Special two-ply yarns with high strength
- Industrial fabrics

Depending on the fibre material, even the smallest yarn twist coefficients are possible. As a rule, the optimum twist coefficient of EliTwist® Yarns is between the twist coefficient of a single yarn and the ply-twist coefficient of a conventional S/Z two-ply yarn.

Splicing of EliTwist® Yarns is technically possible and has been solved by all manufacturers of winding machines.

EliTwist® can be retrofitted to all spindles of EliTe® CompactSet and Fiomax E already installed.

EliTe® CompactSet and EliTwist® CompactSet can be used on many types of ring spinning frames.

Changing from single compact yarn to compact two-ply yarn and vice versa can be rapidly and easily realized on a machine. The features only differ with regard to the components EliTube, EliTop and roving guide.

Production of core-yarns with EliTwist®:

The structure of these EliTwist® Yarns provides new approaches for the production of core-yarns and other special yarns. The Core-Yarn Device developed by SUESSEN for this purpose allows to spin core-yarns with perfect covering effect by feeding the filament into the centre of the twisting triangle.

The EliTwist® Method is the most cost effective process available worldwide for the production of compact two-ply yarn. The technological yarn parameters achieved are unsurpassed.

EliTwist® can be retrofitted to all EliTe® Spindles that have been installed.

Furthermore, all ring spinning machines that can be equipped with EliTe® CompactSet are fit for EliTwist®.