Accotex portfolio
for air-jet spinning

Accotex

Air-Jet-Portfolio

Cots and aprons for air-jet spinning

Leading parts for
spinning technologies

Accotex Air-jet Portfolio

Leading components for revolutionary spinning technologies

Accotex cots and aprons offer maximum durability and stability. These are absolutely essential at the high process speeds, combined with high fiber throughput, of today's air-jet spinning systems.

The air-jet portfolio provides outstanding durability with guaranteed excellent and controlled fiber transport throughout the product life. Also high abrasion resistance, excellent running properties, maximum fiber control and long running cycles.

What to expect

Quality standard
The production of Accotex cots and aprons for air-jet spinning is characterized by defined processes, adherence to tolerances and absolute process control.

Manufacturing and product standards
Reliable and homogeneous products from delivery to delivery due to superior compound technology and production facilities. Highest possible mechanical, dynamical and thermal stability due to sophisticated rubber compounds and manufacturing procedures for Accotex air-jet components.

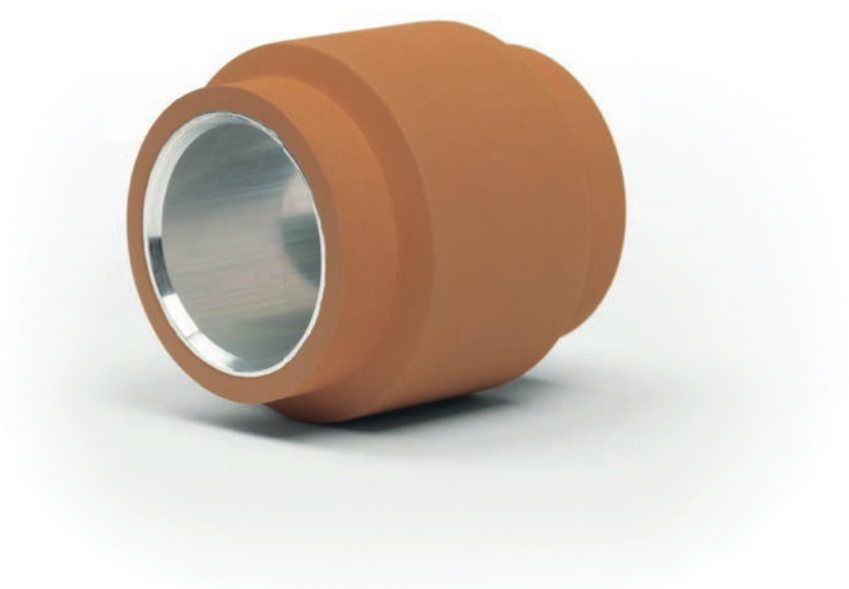
Product values
Precise product dimensions and highest dimensional stability are hallmarks of Accotex aprons. The stable and consistent production of the cots and aprons is the key to superior life cycles for all common fibers.

Area of application
Accotex offers technologically advanced components for all air-jet spinning systems suitable to process all kind of fibers.

New Air-Jet Cot ACC80 Cinnamon

Revolutionary compound technology

Accotex begins a new era in compound technology. The development of a new formulation – using high quality raw materials of the latest generation combined with latest rubber mixing technology – revolutonized rubber cots for air-jet spinning.



Extended lifetime

Best raw materials, an exceptional compound formulation and latest mixing technology enable cot grinding intervals to be extended by up to 50 percent.

Improved grindability

Thanks to the latest Accotex compound technology, the ACC80 impresses with improved grindability. This means that the revolutionary cot is faster and easier to bring to target accuracy when grinding.

Increased heat restistance

Adapted to the increased speeds of today's air-jet machines, the ACC80 offers even better heat resistance. Even under 60 to 70 degrees Celsius, the new Accotex air-jet cot easily meets the requirements of todays air-jet machines.

Cots for Air-jet Spinning

Best product properties for constant yarn quality

Front roller cot
Some air-jet systems require a cot shaping with a certain bridge length on the cot surface. Depending on the fiber type different bridge lengths are recommended by the machine manufacturer. Accotex as well as the machine manufacturer recommend to use the following bridge lengths:
- For man-made fibers: 16 mm
- For blends: 18 mm
- For cotton: 22 mm

In general following Accotex cot qualities are recommended for being used as a front roller cot in all different kind of Airjet Systems in the market:
- Accotex J-490 with 83 Shore A for all counts
- Accotex J-476 with 76 Shore A as well as
- Accotex J-490S with 72 Shore A mainly used on medium to fine counts
- Accotex J-470* with 70 shore A for yarns medium to fine counts*

All above mentioned cot qualities are proven to be useable for most different applications with all fiber types and their blends as well as when processing regenerated cellulose fibers such as viscose, modal and lyocell.

Back roller cot
Our recommendation for the back roller cot for all fiber types and all yarn counts is Accotex J-490 with 83 Shore A.

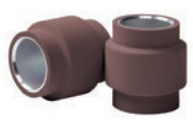
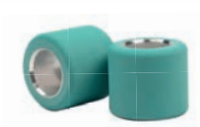
Apron drive roller cot
The apron drive roller cot supports the smooth running of the top apron. It is the basis for the vibration-free running of the top apron and thus forma the basis for a good fiber guidance with the extremely high drafting speeds in the air-jet drafting zone.

Nip roller cot
The yarn guidance of the Accotex nip roller cots highly influences the constant winding of the yarn. At the same time, Accotex nip roller cots compensate for tension peaks in the spinning process. Depending on the fiber type and yarn count Accotex recommends the following nip roller cots:
- Accotex J-490 and Accotex J-476

*just with plain surface available

Types, sizes and applications

For today's air-jet spinning applications, a special choice of cot qualities in the hardness range of 70 to 83 Shore are available as front roller cots to serve the needs for different yarn types. They are particularly suitable for high-speed processes with extremely high fiber throughput.

	Product	Application	Fiber	Colour	Shore A Hardness
	J-490S	Front roller*	CO, Blends, MMF	Reddish brown	72
	J-476	Front roller*	CO, Blends, MMF	Blue	76
	ACC80	Front roller	CO, Blends, MMF	Cinnamon	80
	J-490	Front roller*	CO, Blends, MMF	Gray	83
	J-470	Front roller	CO, Blends, MMF	Green	70

Features and benefits

- Reduction of yarn breaks and increased machine efficiency due to extremely reduced lapping tendency
- Highest possible mechanical, dynamical and thermal stability due to sophisticated rubber compounds and manufacturing procedures for Accotex air-jet components
- Perfect fiber clamping and guidance in the drafting zone through sophisticated rubber compounds
- Great swelling resistance with no static charging
- Outstanding abrasion resistance for longest possible grinding cycles
- Excellent cot grindability

Aprons for Air-Jet Spinning

Leading components for revolutionary spinning technologies

The air-jet spinning technology is characterized by high process speeds combined with high fiber throughputs. Accotex offers the ideal aprons for this with maximum durability and stability. Very close tolerances and high design precision define the quality of these aprons. They contribute to the ongoing success of the air-jet spinning technology.

In order to complete the air-jet apron portfolio consisting on the Accotex NO-4970 KN, the NO-9670 KN, Accotex has developed the new NO-6270 KN to fulfil the increasing market demands.

Features and benefits

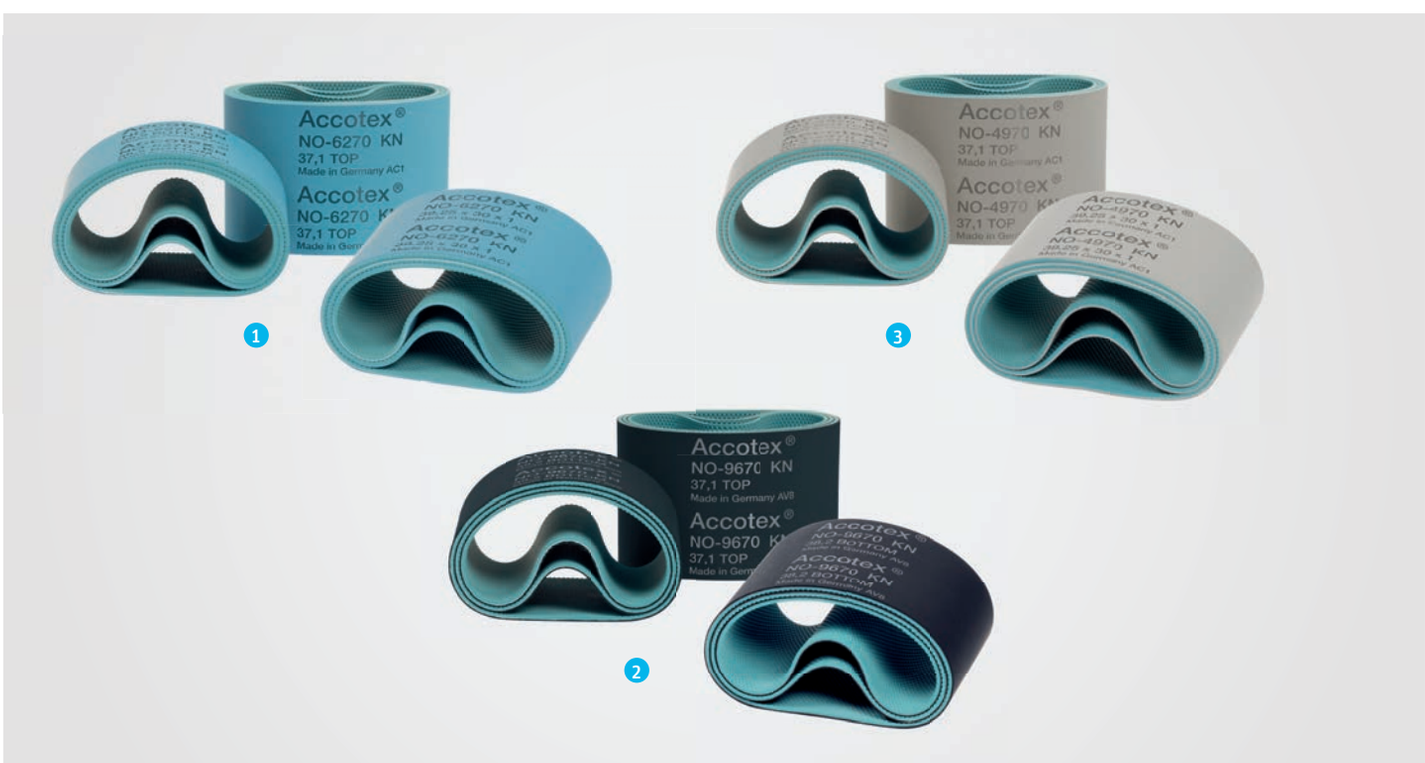
- Specially developed inner layer structure with greatly improved crack resistance of the inner layer
- High material flexibility with at once outstanding mechanical robustness and precise construction
- Less start up friction and smooth and trouble-free running
- Superior friction properties over the whole service life
- Perfect fiber grip and fiber guidance as well as excellent swelling resistance and no static charging
- Outstanding tear- and abrasion resistance

Types, sizes and applications

The Airjet apron portfolio maintain an outstanding endurance with guaranteed excellent and controlled fibre transport for the whole product lifetime. For better running performance the apron dimension has been optimized. The new specified dimensions which have been determined according to extensive field trials are the following:

Product		Typical application	Dimension	Fiber	Outside/Inside
NO-6270 KN	1	Top apron Top and bottom apron	37.1 x 32.0 x 1.0 mm 39.25 x 30.0 x 1.0 mm	CO, Blends, MMF	blue/green
NO-4970 KN	2	Top apron Bottom apron Top and bottom apron	37.1 x 32.0 x 1.0 mm 38.2 x 34.0 x 1.0 mm 39.25 x 30.0 x 1.0 mm	100 % CO, Blends, MMF	grey/green
NO-9670 KN	3	Bottom apron Top and bottom apron	38.2 x 34.0 x 1.0 mm 39.25 x 30.0 x 1.0 mm	CV, PES or other MMF, Blends	black/green

Furthermore, following combinations are also recommended:
NO-6270 KN as top apron with NO-9670 KN as bottom apron for CV and other MMF
NO-4970 KN as top apron with NO-9670 KN as bottom apron for CO & blends Accotex NO-9670 KN



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