

Bekaert – Quality products for short staple carding

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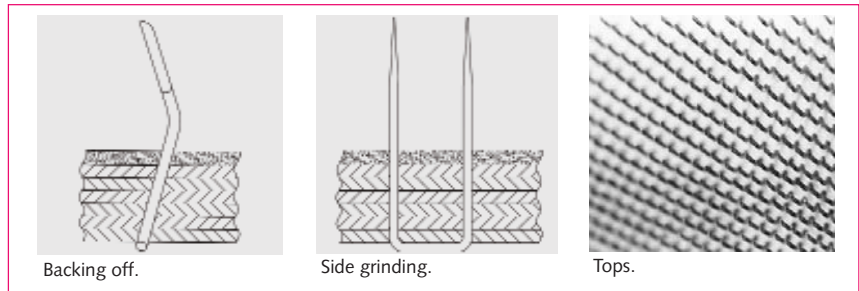
Bekaert actively supplies customers in a wide range of textile applications like reeds, heddles, card clothing, jacquard springs, metal fibres, polymer fibre screens, nylon coated brassiere wire and hook and eye wire. Besides that they have been manufacturing round steel wires for card clothing for decades. Quality comes through innovation and experience. It is a general truth that applies to any industrial sector including the one of textile. Steel wire manufacturer Bekaert takes pride in scoring well on both grounds. Being well established in the general card clothing business as well as in the different segments of short staple carding.

One of Bekaert's latest accomplishments was the optimization of the flat tops for cotton carding in ring- and open-end spinning applications. The flats are characterised by a consistent setting pattern (figure 1), tip sharpness (backing off and side grinding-see picture 2 & 3) and extra hardened points. The combination of these features result in a significant improvement of the product quality and the durability of the tops.

Dirk Van Hoeylandt, Global Sales and Marketing manager at Bekaert Carding Solutions NV (Belgium) states that: "The development of the new flat tops is a direct result of the thorough technical know-how and the high manufacturing quality that is so typical for the Bekaert organization. By placing high priority on meeting the market's needs, Pakistani customers are more and more relying on Bekaert's carding solutions."

The flat tops are an addition to Bekaert's full product range for short staple applications. This includes blowroom, lickerin, doffer, cylinder (see table 1 for cylinder product offering), take-off and open-end wire; as well as stationary flat tops, cleaning fillets and ancillary wire. Bekaert is supplying for all generations of cards - including for the most modern high-speed cards - for OE, carded and combed cotton applications as well as for synthetics.

Trials worldwide on the full range of short staple applications (combed and card ring spinning, open end, synthetics) have shown that Bekaert card wire – including tops – provides optimum performance to its customers. Figure 4 shows the performance (nep removal efficiency) of 12 Trützschler



TC03 cards at a single customer mounted with Bekaert wire. This mill selected Bekaert based on the performance result of trials with the 3 major suppliers of card clothing.

Bekaert also supplies the high speed segment. In 2008, customers in 11 different countries (among which all major cotton spinning countries) ordered Bekaert card wire for Rieter C60 or Trützschler TC03 cards, mostly for cotton applications (combed, carded and OE). Many Pakistani companies are now successfully running Bekaert card clothing on their high speed cards. For example: Faisal Spinning Mills Ltd., Alam Cotton Mills Ltd., Blessed Textile Mills Ltd. Unit No. 3, Reliance Weaving Mills Ltd. No. 4 and Zahra Textile are running Bekaert card wire on Rieter C 60. Reliance Cotton Spinning Mills is using Bekaert card wire on Rieter C 60 and Trützschler DK 903.

Artistic Milliners relies on Bekaert card wire for Trützschler DK 903 & TC 03. Azgard 9 Ltd. and Shahbaz Garments are using Bekaert card wire on Trützschler DK 903. West Point Manama Ltd, Hussain Mills Ltd. Unit 3, Three Stars Hoisery Mills (Pvt.) Ltd., Sapphire Fibre Mills Ltd No. 3 and Ellcot Spinning Mills Ltd are using Bekaert card wire on Rieter C 51. Quetta Textile Mills Ltd.

and Hussain Mills Ltd. Unit 5 are running Bekaert card wire on Trützschler TC 03.

Bekaert: the independent partner for your card wire needs

Bekaert reinforces its status of independence and recognized leader in the card clothing business through partnerships with textile machine builders and customers world wide. In Pakistan, Bekaert is partnering with TEP (The Textile Engineers of Pakistan Pvt. Ltd) and with ISD (International Sales and Distribution Pvt. Ltd).

TEP is the exclusive agent in Pakistan for Bekaert Carding Solutions. They are covering the entire country via their regional sales offices in Karachi and Lahore.

TEP offers a full technical service (mounting, trouble shooting) through their dedicated service technician for Bekaert card clothing products.

TEP is in constant contact with the sales manager responsible for Pakistan (gerrerd.taylor@bekaert.com) and with the technical team of Bekaert Carding Solutions to offer a comprehensive service (e.g. optimized specifications and product selection) to the Pakistan market. ♦

Product	Height (mm)	Rib (mm)	Pitch (mm)	Angle (°)	ppsi	Cylinder wires: 3 steelgrades		
						Super standard high carbon steel	Quatach ultra alloyed steel	Ultra high end steel for longer lifetime
C20-40-95	2.00	0.40	1.70	40	950			
C20-35-95	2.00	0.40	1.70	35	950			
C20-30-95	2.00	0.40	1.70	30	950			
C20-35-85	2.00	0.50	1.50	35	860			
C20-30-86	2.00	0.50	1.50	30	860			
C20-30-76	2.00	0.65	1.30	30	760			
C20-30-66	2.00	0.65	1.50	30	660			
C25-30-86	2.50	0.50	1.50	30	860			
C25-30-72	2.50	0.60	1.50	30	720			
C25-25-72	2.50	0.60	1.50	25	720			
C25-20-72	2.50	0.60	1.50	20	720			
C25-20-63	2.50	0.60	1.70	20	630			
C25-15-45	2.50	0.90	1.60	15	450			
C25-15-40	2.50	0.90	1.80	15	400			
C25-10-24	2.50	0.90	2.30	10	240			

