The Indian Card Clothing Co. Ltd.

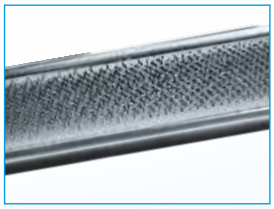
CARDING REVOLVES AROUND US!

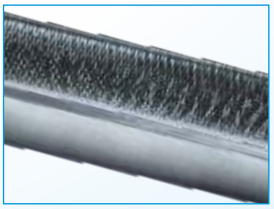
MAXUS+ CYLINDER WIRE

AERODOFFER WIRE

PROGRESSIVE triumph tops

nextratops





Lasting & Consistent Performance!

MAXUS+
CYLINDER WIRE

Increased production rate of the card has necessitated the creation of new generation of card clothing. Cylinder wire needed changes in wire tip design and strength, so that it can withstand very high stress.

New metallurgy and state of art technology has enabled ICC to provide Cylinder wire with consistent high hardness values and high wear resistance in a new series of Cylinder wire.

The salient features of MAXUS + Cylinder wire are:-

- Made from special grade micro-alloy steel to deliver upto 1000T
- Higher life expectancy, lower cost per kg of yarn production
- Special tooth geometry suitable for very high production rate
- Consistency in quality over longer life time
- Advanced heat treatment process for even and consistent hardness
- Fine grained crystalline micro structure

Type of wire	Height (mm)	Rib (mm)	Front Angle	PPSI
64 17 20 57	2.0	0.4	57°	1090
64 15 20 55	2.0	0.4	55°	950
51 17 20 57	2.0	0.5	57°	860
42 17 20 57	2.0	0.6	57°	720
51 15 25 70	2.5	0.5	70°	760
42 17 25 65	2.5	0.6	65°	720
36 17 25 70	2.5	0.7	70°	610

Transferring Efficiency!

AERODOFFER
WIRE

Smooth fibre transfer from Cylinder to the doffer particularly at very high production rate, is a critical requirement to achieve good carding efficiency.

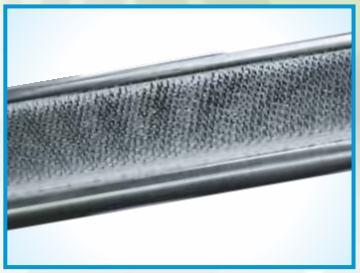
At ICC we have developed a new doffer wire with tip design which enables smooth transfer of large volume of fibres from cylinder at very high production rate. The unique design of the wire avoids turbulence of high volume of air at the Cylinder – Doffer fibre transference zone, which helps proper fibre transfer.

The salient features of the Aerodoffer wire are:-

- Special aerodynamic tooth design for smooth performance
- Unique tooth geometry for efficient fibre transfer at high speed
- Reinforced wire tip to withstand very high production rate
- Optimised maintenance cycle
- Higher life expectancy of wire
- Cut – to – point tooth geometry

Type of wire	Height (mm)	Rib (mm)	Front Angle	PPSI
D 32 10 40 55	4.0	0.8	55°	320
D 25 11 40 55	4.0	1.0	55°	276
D 25 12 47 60	4.7	1.0	60°	301

Gentle Touch At High Production Rate!



PROGRESSIVE
triumph tops

Highly successful working of Triumph tops has spurred the development of a new series in the Triumph tops range with an enhanced performance suitable for very high production cards.

One of the most critical requirement for maintaining the consistency in quality at high production rate is maintaining cleanliness of tops. It is also equally critical that the fibres in a tuft should not be subjected to heavy strain during the opening and individualisation process.

The well proven Triumph configuration has been improved to reduce strain on fibre. The wire population has been increased gradually from entry to exit zone of fibre passage through tops. The smooth lane in the wire points also allows air flow to keep the tops clean during operation.

The salient feature of Progressive triumph tops are:-

- Suitable for very high production rate
- Special grade steel chemistry of wires to ensure high life expectancy
- Gentle opening action ensures better impurities removal without additional strain on fibre
- Progressively increase of wire population from fibre entry to exit zone
- No adjacent zone with widely different wire point density

Type	Height (mm)	Angle	PPSI (Range)
Progressive Triumph 450	8.0	70°	300 to 520
Progressive Triumph 550	8.0	70°	400 to 570

Higher Efficiency At Higher Speed!

The effective removal of neps, short fibres and trash without rupturing fibres at high production rate requires unique positioning of wire points of the tops.

The Nextra tops with its unique matrix of wire tips of the revolving tops is able to work with cylinder speeds above 450 RPM to produce enhanced quality of output from the latest generation of carding machines. Made from raw material which has a high fatigue life, it is ideally suited for today's carding machines.

Nextra Tops

Nextra - the next generation of tops for processing cotton with the following features:-

- The design enables fibres to travel through tops helping in the effective removal of impurities, such as neps, short fibres and trash
- The tops work clean due to the unique setting pattern
- Special grade of steel chemistry of wire ensures higher life expectancy of tops
- Consistency in tops performance over longer period of life
- Overall better carding efficiency at high production rate

Type	Height (mm)	Angle	PPSI
NEXTRA 55	8.0	70°	530
NEXTRA 400	7.5	75°	350

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