



SiroLock™ plus – worker and doffer wire

The card clothing for an optimum web quality and reduced fiber fly from the Groz-Beckert InLine card clothing series

GROZ-BECKERT

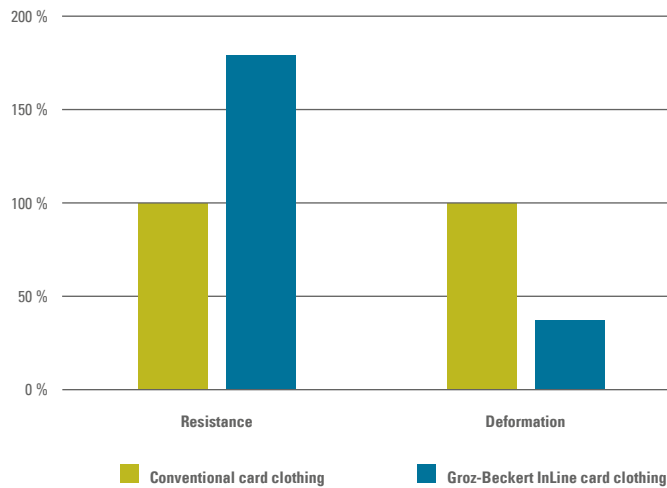
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The SiroLock™ plus worker and doffer wire combines collected experience with the new, patented production process for the Groz-Beckert InLine card clothing series. The comprehensive and application-oriented portfolio of the SiroLock™ plus card clothing reflects the characteristics of the Groz-Beckert InLine card clothing: a reduced rib height of the interlock card clothing and in particular improved strength of delicate card clothing teeth. This enables optimal card clothing geometries with fiber-protecting finish quality.

Compared with the SiroLock™ card clothing, SiroLock™ plus offers a more effective fiber take-up, control and hand-over with even the highest throughputs. When carding fine viscose fibers in particular, the new properties are effective in achieving reduced fiber fly. A more even and homogeneous web is achieved.

Resistance and deformation of a doffer wire tooth with load from the side



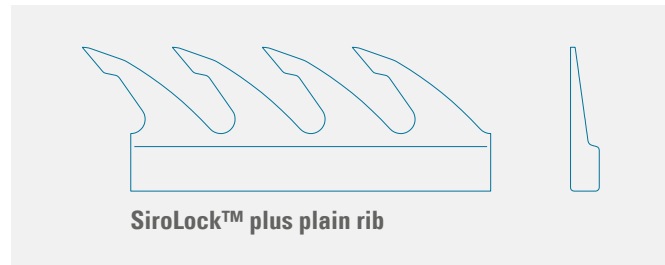
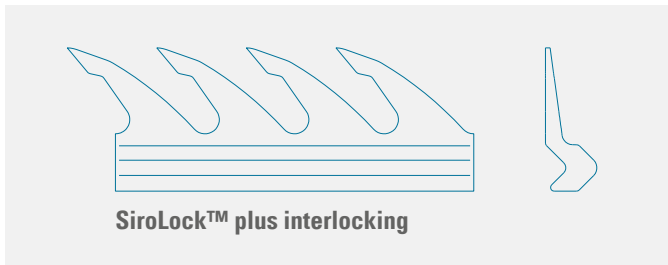
Benefits:

- Reduced fiber fly and more homogeneous web quality
- High lifetime potential thanks to increased resistance to damage
- Improved fiber protection
- Optimized rib height of 1.3 mm for interlock card clothing

Groz-Beckert Patent

EP 2756119 B1, CN 103890252 B
JP 6113731 B2, US 9145625 B2





Product range/portfolio	PPSI	Fiber fineness	Worker (breast cylinder)	Worker (main cylinder)	Intermediate doffer	Doffer	Application field	
							Application	End product
Groz-Beckert InLine SiroLock™ plus V30/230/40H40 SL+ Platinium	330	≤ 3,3 dtex		x		x	Thermal bonding, spunlace	Filter media, hygiene products
Groz-Beckert InLine SiroLock™ plus P080/250/40H40 SL+ Platinium	323	≤ 3,3 dtex		x		x	Thermal bonding, spunlace	Filter media, hygiene products
Groz-Beckert InLine SiroLock™ plus V30/250/40H40 SL+ Platinium	304	≤ 3,3 dtex		x		x	Thermal bonding, spunlace	Filter media, hygiene products
Groz-Beckert InLine SiroLock™ plus V28/250/40H40 SL+ Platinium	284	≤ 6,7 dtex		x		x	Needle punching, thermal bonding, spunlace	Automotive products, filter media, hygiene products
Groz-Beckert InLine SiroLock™ plus V24/250/40H40 SL+ Platinium	243	≤ 6,7 dtex	x	x		x	Needle punching, thermal bonding	Automotive products, filter media
Groz-Beckert InLine SiroLock™ plus V24/300/40H48 SL+ Platinium	203	≤ 6,7 dtex	x	x	x	x	Needle punching, thermal bonding	Automotive products, filter media
Groz-Beckert InLine SiroLock™ plus V24/360/40H48 SL+ Platinium	169	≤ 15 dtex	x	x	x	x	Needle punching, thermal bonding, spunlace	Automotive products, hygiene products
Groz-Beckert InLine SiroLock™ plus V20/360/40H48 SL+ Platinium	141	≤ 15 dtex	x	x	x	x	Needle punching, thermal bonding	Automotive products, geotextiles, floor coverings
Groz-Beckert InLine SiroLock™ plus V16/420/40H45 SL+ Platinium	97	≤ 22 dtex		x	x	x	Needle punching	Automotive products, floor coverings