

HEBERLEIN® AIRSPLICER-70-2.

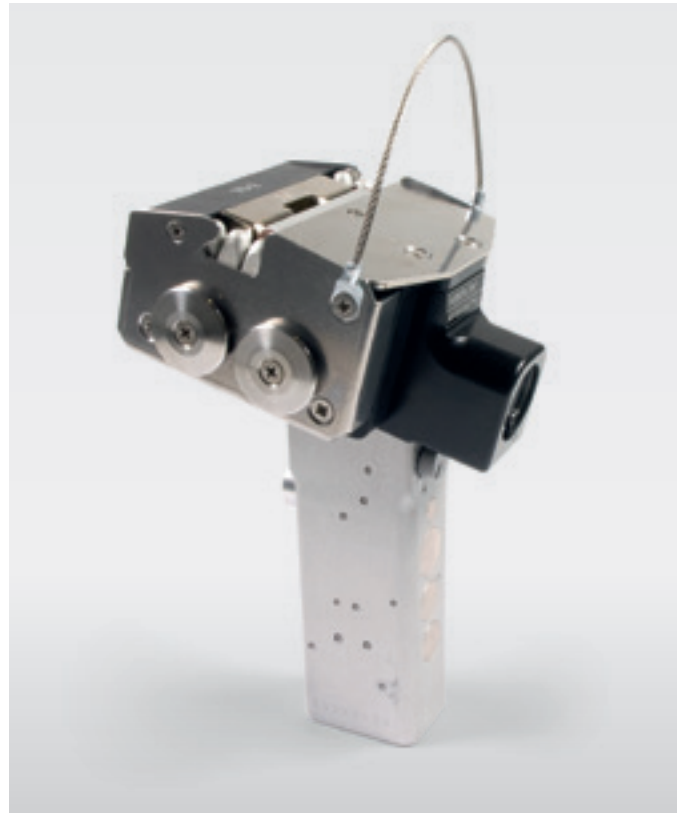
YARN SPLICER.

HIGH QUALITY KNOT-FREE JOINING OF COARSE TECHNICAL YARNS.

The AirSplicer-70-2 with high performance Phoenix knives is used to automatically splice together the ends of two yarns to create a knot-free join that has high uniformity and base yarn strength. It enables the best splicing quality with flat, clean bound yarn ends and is used in the joining of high modulus fibre and glass fibre yarns.

Splicing of multifilament yarns

During splicing the ends of two yarns are intermingled by using compressed air. The resulting joint exhibits high uniformity and base yarn strength. In contrast to a knotted joint, a splice causes less problems in the downstream processes.



Features and Benefits

- ▶ **The automatic splice cycle guarantees stable operator independent quality**
- ▶ **Robust design**
Hard wearing and long lasting use
- ▶ **Easy operation under extreme conditions**
- ▶ **Knot free joining from 400 up to 35 000 dtex and glass fiber rovings up to 4 800 tex**
- ▶ **The high performance Phoenix knives provide a lifetime of around 18 000 cuts**
(for Aramid 8050f6000 dtex)
- ▶ **Easy operation**
Splicing time can be easily set
- ▶ **Customer service**
Static material testing machine to optimize splicing strength is available

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becomes

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Range of Application

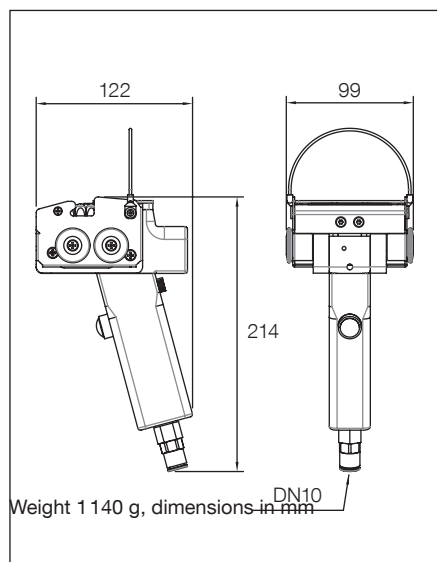
Type ¹	Aramid fibers [dtex]	Carbon fibers [dtex]	Dyneema® [dtex]	Synthetic filament yarns [dtex]	Glass fibers [tex]
2-G	- 420	- 400			
2-F	- 1260	- 1000	- 800		
2-E	- 1680	- 1500	- 1200		
2-D	- 3360	- 3500	- 1800		
2-C	- 6720	- 5000	- 2500		
2-B	- 10000	- 8000	- 4000		
2-A	- 12880	- 12000	- 5500		
2-0	- 16100	- 18000			
2-1		- 24000			
2-2		- 30000			
0				- 17000	- 2400
1				- 26000	- 3600
2				- 35000	- 4800
3-HM (high modulus)	2500 - 7000	- 8000 (12 K)			
4-HM (high modulus)	5000 - 16000	- 30000 (48 K)			

¹ Blow chamber (Splicing jet insert)

Optimal splicing requires a combination of the correct blow chamber, ideal time and air pressure for the type and titre of the yarn.

It is possible to splice yarns over 7 dpf or with more than 150 TPM (Turn Per Meter), subject to trial. We offer optimisation trials for your yarns.

Dimensions and Weights



Accessories



Compressed air requirements

- Air pressure (gauge): 4 - max. 8 bar**
- Max. residual oil: 0.1 mg/m³ (class 2*)
 - Max. residual particles: (class 2*)
 - Particle size 1 µm
 - Particle density 1 mg/m³
 - Max. residual water: (class 5*)
 - Residual water 7.732 g/m³
 - Dew point + 7 °C

* According to DIN ISO 8573-1