

HEBERLEIN® FIBREJET-SP.

AIR INTERLACING FOR FILAMENT SPINNING.

SUPERIOR AIR INTERLACING JETS FOR TEXTILE FILAMENT YARNS.

The FibreJet-SP provides superior air interlacing of filament yarns and is recommended for the interlacing of POY or the pre-interlacing of POY and SDY/FDY.

Air interlacing

Individual filaments are intermingled using a stream of compressed air. The resulting interlacing knots provide the required yarn compaction. This in turn leads to higher processing speeds, to an improved package build and reduced occurrence of broken filaments and yarn breaks in the downstream processes.



Features and Benefits

- ▶ **Highly quality product provides consistent interlacing performance**
- ▶ **Durability even under extreme conditions, due to a robust, corrosion resistant housing**
- ▶ **Special jet housing protects high grade ceramics**
- ▶ **High yarn quality due to low friction ceramic parts**
- ▶ **Compact design for narrow thread line spacing of 12mm**
- ▶ **Easy to use due to the open design with secure retention of the yarn**

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Saurer Components, Switzerland
becomes

HEBERLEIN AG

Heberlein® FibreJet-SP

Technical Data

Type	Yarn Count in jet ¹ [dtex]	Winding Speed ¹ [m/min]	Gauge Pressure p _e [bar]	Air Usage ² q _{vn} [m ³ /h]	Yarn tension after jet ³
SP11.0	- 110	~ 4000	1.0 - 4.0	0.562 (p _e +1)	0.10 - 0.20 cN/dtex
SP13.0	- 350	~ 5000	1.0 - 4.0	0.786 (p _e +1)	0.10 - 0.20 cN/dtex

¹ Indicative values: Depending on the properties of the feeder yarn, the machine settings and yarn guides (den = 0.9 x dtex)

² Under standard conditions according to DIN 1343: Temperature = 0 °C; Pressure = 1.01325 bar; Relative Humidity = 0%

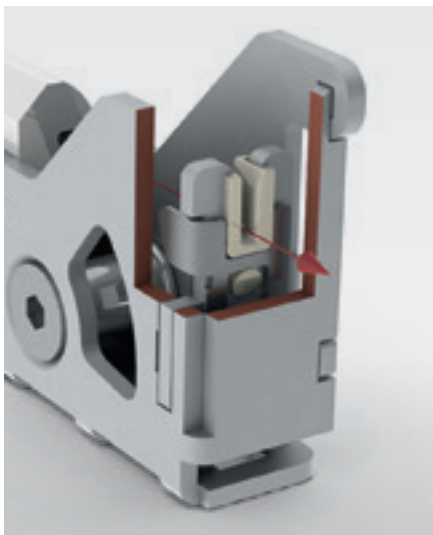
(1 standard cubic meter = 1.293 kg; psi = 14.7 x bar, CFM = 0.588 x m³/h). In the case of locations at more than 1000 meters above sea level please ask.

³ Yarn tension 1 g = 0.981 cN

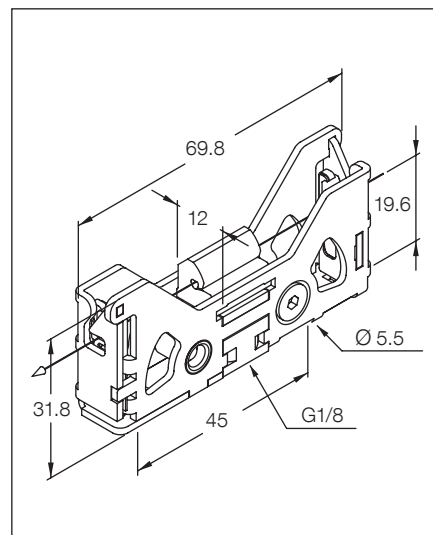
Range of Application of FibreJet-SP

Process	Preinterlacing	Main interlacing
POY	Optimal	Optimal
SDY/FDY	Optimal	Must be decided by trials

Yarn Guide with Clip Mechanism

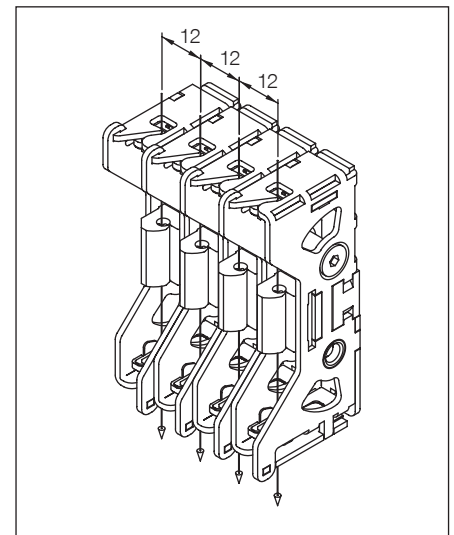


Dimensions and Weights



Weight 57g, dimensions in mm

Closest Yarn Spacing



Dimensions in mm

Compressed air requirements

- 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