

HEBERLEIN® FIBREJET-TG.

AIR INTERLACING.

SUPERIOR AIR INTERLACING OF TECHNICAL FILAMENT YARNS.

The FibreJet-TG provides quality air interlacing and is recommended for the processing of technical multifilament yarns made of polyester, polyamide and polypropylene in all spin draw processes.

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 product quality 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 20mm**
- ▶ **Easy to use due to the open design with secure retention of the yarn**

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becomes

HEBERLEIN AG

Heberlein® FibreJet-TG

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
TG40.0	1000 - 2500	~ 5000	1.5 - 8.0	7.437 (p_e+1)	0.06 - 0.15

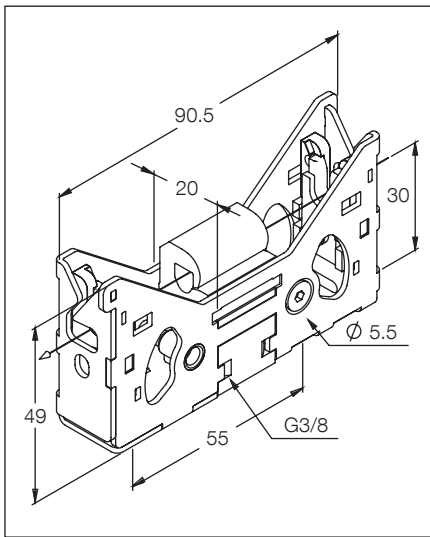
¹ Indicative values: Depending on the properties of the feeder yarn, the machine settings and yarn guides (den = 0.9 x dtex)

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 localities at more than 1000 m above sea level please ask.

³ Yarn tension 1 g = 0.981 cN

Dimensions and Weights



Weight 144g, 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