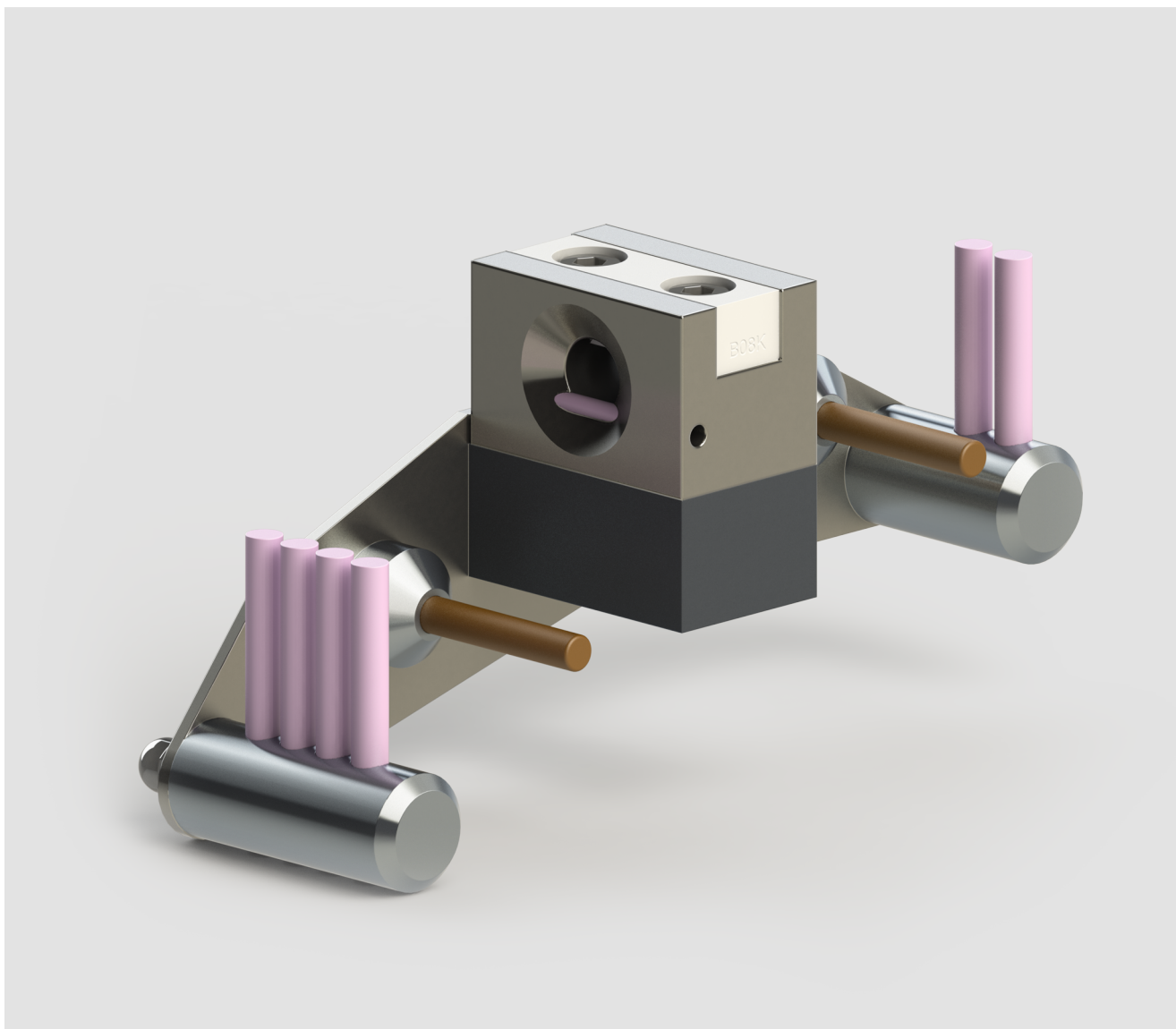




# FACTSHEET

## BCF-Jet.

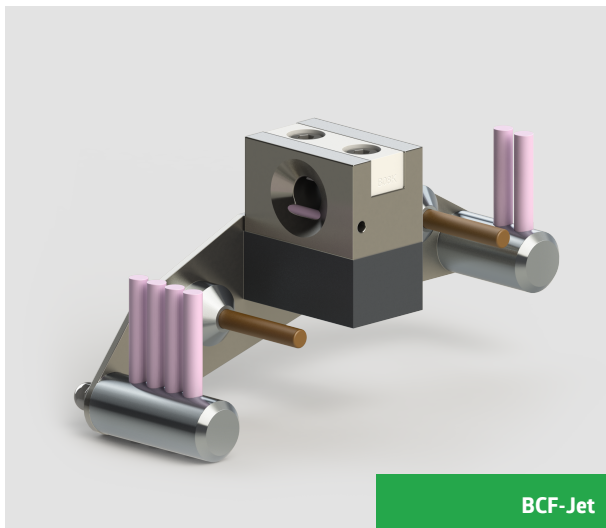
Air interlacing



# HEBERLEIN® BCF-Jet.

Air interlacing for coarse single and multiple yarns

The ideal jet for the air interlacing of heavy denier yarns as well as flat filament and textured PA, PES and PP and glass and mineral yarns



## Air interlacing

In air interlacing, an air blast is used to physically intermingle individual or multiple yarns with each other. The resulting intermingled knots provide the required yarn compactness.

## Application

Blending yarns virtually has unlimited potential. With the range of BCF-Jet products, a large number of flat filament and textured polyamide, polyester and polypropylene yarns as well as glass and mineral yarns can be interlaced together or in a combination over a very large count range.

## End use

Just like the yarn application, the final product can be used in a correspondingly wide range of ways:

- Decorative fabrics
- Furniture fabrics
- Carpets
- Technical textiles

The BCF jet can be used on all specially equipped yarn processing machines. The jet can also be optionally equipped with a complete yarn guide.

## Features and Benefits

- Homogeneous blend of yarns and colours
- Suitable large counts
- Strong and robust design
- High-quality ceramic ensures a long useful life

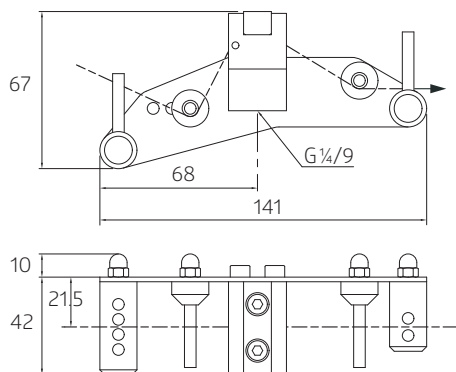
### Performance values

Jet type		B 08	B 10	B 20	B 30
Count range [dtex] up to <sup>1</sup>	PA	... 1700	... 5500	... 7000	... 12000
	PP	... 1300	... 4200	... 5300	... 9000
Pressure range [bar]		2 ... 10	2 ... 10	2 ... 10	2 ... 10
Formula for air consumption <sup>2</sup> $q_{vn} = [m^3/h]$		$q_{vn} = 6.0 (p_e + 1)$	$q_{vn} = 9.4 (p_e + 1)$	$q_{vn} = 14.1 (p_e + 1)$	$q_{vn} = 20.2 (p_e + 1)$
Air bore [mm]		1 x Ø 3.6	1 x Ø 4.5	1 x Ø 5.5	1 x Ø 6.6
Speed [m/min] <sup>1</sup>		~650	~650	~650	~650

<sup>1</sup> Guide values: depends on the yarn properties, the machine settings, and the yarn guides ( $den = 0.9 \times dtex$ )

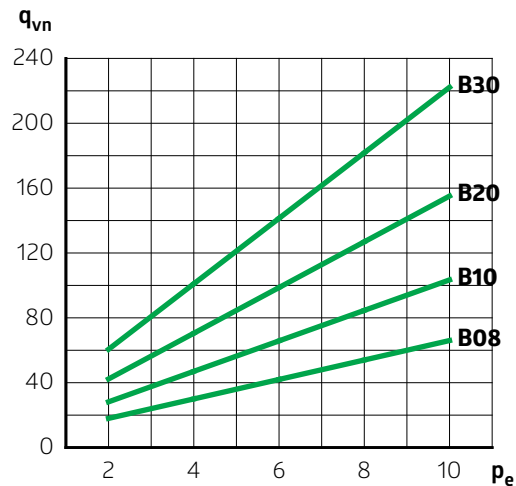
<sup>2</sup> In the standard state, according to DIN 1343: temperature = 0 °C; pressure = 1.01325 bar; relative humidity = 0 % (1 cubic meter = 1.293 kg; psi = 14.7 x bar; CFM = 0.588 x m³/h).  
 $p_e$  = overpressure [bar],  $q_{vn}$  = air consumption [m³/h]

### Dimensions and weight



Weight 420 g (mass in mm)

### Air usage



$p_e$  = overpressure [bar]  
 $q_{vn}$  = air consumption [m³/h]

### Compressed air requirements

- Overpressure: 2.0 ... 10.0 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
  - Pressure dew point + 7 °C

\* Quality class according to DIN ISO 8573-1



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*Subject to change without prior notice.*

