



HighNo 13-6

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In the discrete powder feed nozzles, a powder gas jet focus is generated by 6 powder gas streams guided coaxially to the laser beam. The modular design of the nozzle allows the use of different precision tubes for variable powder gas jet foci for a wide variety of applications.

- 3D capable
- direct water cooling
- High wear resistance due to the use of precision tubes
- Customer-replaceable precision tubes for variable powder gas jet foci

Technical specifications:

- up to 6 kW laser power (when used correctly)
- Weight is approximately 1 kg
- Recommended powder particle size: 20 - 50 μm , 50 - 100 μm (larger sizes are also possible)
- Powder gas jet focus $\varnothing$ 1.8 mm at 3 g/min with precision tube 1.0 mm
- Possible track widths: 1 - 6 mm
- Up to 250 g/min max. powder mass flow
- direct water cooling (1-3 l/min at 18 - 20 °C)
- The maximum powder efficiency can reach up to 98% depending on the melt pool diameter and the application.
- Inlays 0.5 - 0.8 - 1.0 - 1.2 or 1.5 mm