

Technical Specifications for Colibri - Motor Spindles:

BLU: AT 80 L1 S O D

◆ Speed Range Turbine	: 0 to 15,000 rpm (Compressed Air Turns the Spindle)
◆ External Belt	: Respect to the Belt Speed (External belt turns the spindle)
◆ Stiffness	: Radial 2 N/μm, axial 5 N/μm → static
◆ Load Capacity	: Radial 30 N, axial 100 N → static
◆ Noise Level	: Less then 75 db (A) (External Belt)
◆ Air Pressure	: 5-7 bar
◆ Air Consumption @ 6 bar and 4 inlets	: 40-75 lpm
◆ Tool Holding	: Dorn \ Collet
◆ Tool diameter	: Up to 5 mm
◆ Tool release	: Manual
◆ Guarantee	: 24 month
◆ Cooling System	: Still air
◆ Run-out Radial	: 0.2 – 1 μm
◆ Run-out Axial	: 0.2 – 1 μm
◆ Spindle Weight	: 3 Kg
◆ Spindle connections	:

- 1 quick release connectors for the air system
- Optional: 1-4 quick release connectors for the turbine air system
- External belt to turn the spindle



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Speed [rpm]

Speed Vs. Air Pressure and number of inlets



