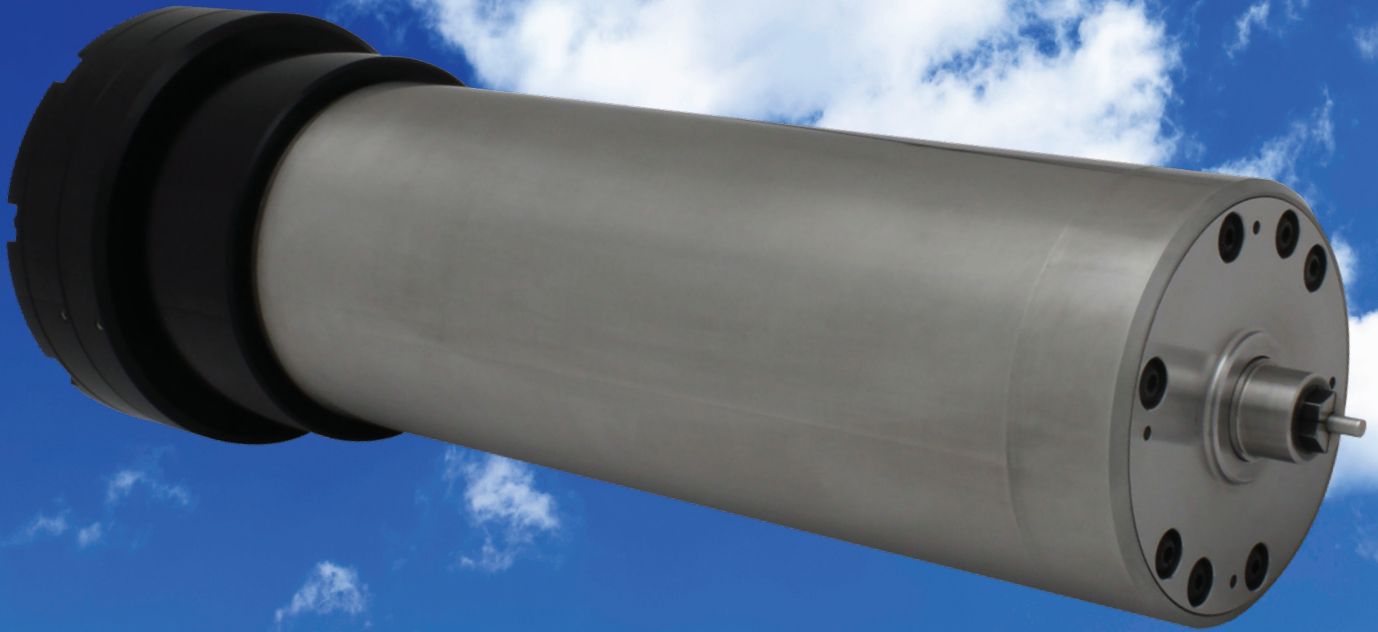




Air Bearings Ltd

**MM080A
MICRO-MACHINING SPINDLE**



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MM080A 80K RPM MICRO-MACHINING SPINDLE

- HIGH TORQUE
- HIGH LOAD CAPACITY
- SUPERIOR ACCURACY
- LOW MAINTENANCE

Applications

Micro-machining of various materials such as glass, plastics, ceramics and metals.

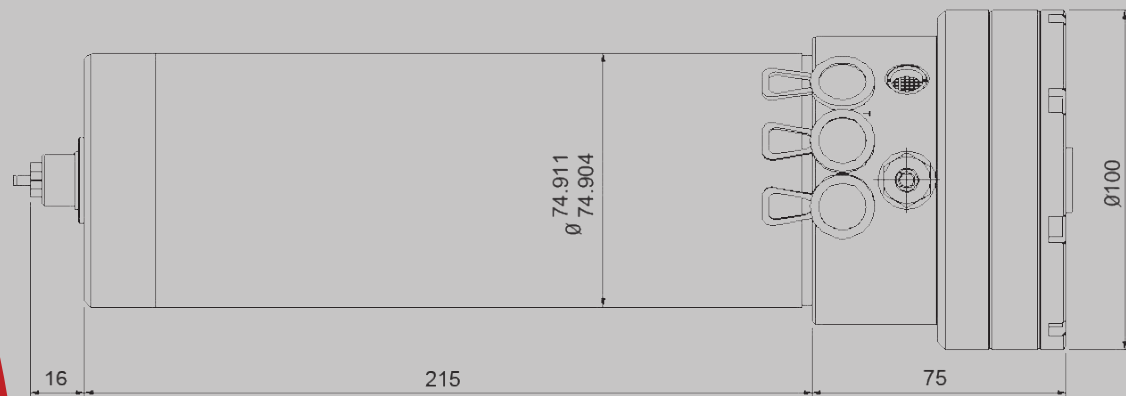
Options

- Speed probe
- Removable collets
- Range of fittings to suit customer requirements

Speed Range	0 – 80,000 RPM	Radial Load Capacity (Static)	130 N
Motor Power Peak	1.6 kW	Radial Load Dynamic (60krpm)	400 N
Motor Power Continuous	1.0kW	Axial Load Capacity (Static)	300 N
Air Pressure	5.5 – 6.0 kgf/cm ²	Torque (Max)	>0.4 Nm (0.6 Nm)
Air Flow Rate	50 - 55 NI/min	Dynamic Run Out*	<5 µm
Coolant	Water	Dynamic Vibration	<1.0mm/s
Coolant Flow Rate	>1 l/min	Collet Sizes (∅)	3mm - 6mm
Coolant Inlet Temp	15 – 19 °C	Spindle Mass	6.5 kg

* Measured 15mm from collet nose

ABL reserves the right to change specifications without notice



ABL has been designing & manufacturing air bearing spindles since 1993. Situated on the south coast of England, ABL operates from a 4600m² purpose built facility.

For more information visit.....

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