



Air Bearings Ltd

**DS080A
80,000RPM DICING SPINDLE**



**Air Bearings Ltd
1 Witney Road
Poole
Dorset
BH17 0GH
United Kingdom
+44 (0)1202 680 805
sales@airbearings.co.uk**

www.airbearings.co.uk

123-EN-A © Air Bearings Ltd 2014



DS080A.....80k RPM DICING SPINDLE

- HIGH SPEED
- LOW RUN OUT
- LOW MAINTENANCE
- VARIOUS BODY STYLES

Applications

Cutting a variety of hard materials such as silicon, quartz and glass.

Features

- 80,000 rpm maximum rotational speed
- Brushless DC motor
- Compact design
- Suits hubbed or hubless blades

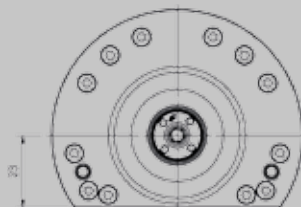
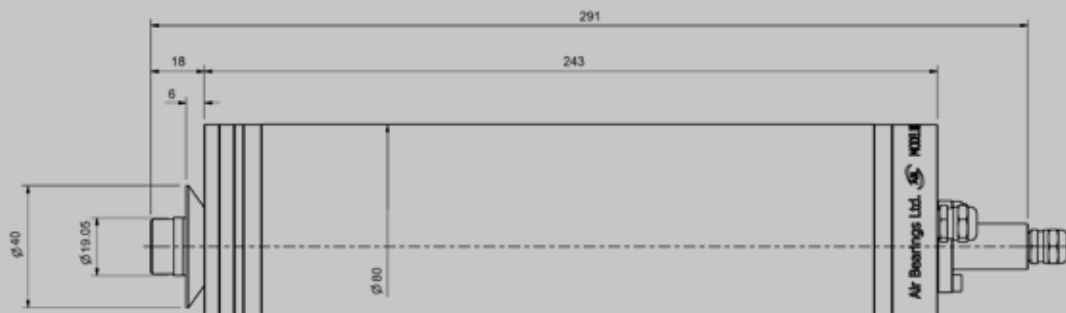
Options

- A variety of body styles to suit customers mounting requirements
- Left or right hand rotation

Maximum Speed	80,000 RPM	Radial Stiffness (Static)*	13 N/ μ m
Motor Power	1.2 kW	Radial Load Capacity (Static)*	140 N
Air Pressure	5.5 – 6.0 kgf/cm ²	Axial Stiffness (Static)	10 N/ μ m
Air Flow Rate	70 - 75 NI/min	Axial Load Capacity (Static)	150 N
Coolant	Water	Dynamic Run Out*	<1 μ m
Coolant Flow Rate	>1.5 l/min	Nominal Blade Size	50mm (2")
Coolant Inlet Temp	15 – 19 °C	Spindle Mass	7 kg

For guidance only. ABL reserves the right to change specifications without notice

* Measured at blade



Alternate body styles and mounting options available on request

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.....

www.airbearings.co.uk

sales@airbearings.co.uk