

Variable Speed Pencil Grinder

Precision Deburring & Finishing Tool

Precision deburring, finishing and engraving, with easily adjustable speed to suit each application! Designed with “The Dynabrade Difference,” this is an essential tool for turbine blade manufacturers, tool & die shops, machine shops, investment castings, jewelry, medical implants, composites and more!



Compact size provides precise control.

Model 52850 1/8" Collet

Model 52855 3 mm Collet

- Each model accepts optional collet inserts: 1/16" (51760) and 3/32" (51674).
- Whisper-quiet sound levels of 67 dB(A).



93351 Carbide Burr Kit includes 12 Burrs (1/8"). See page 251.

High-Quality Air Line

1/4" (6 mm) in diameter and 5 feet (1.5 m) in length.

Large Precision Bearings

Ensure longer tool life.

Ergonomic Tactile Grip

Insulated non-slip grip for comfortable use.



Model 52850

Overhose Assembly

Helps direct air and excess oil away from operator. 12" (305 mm) in length.

Spindle Lock

With “thru-hole” for quick accessory change. No struggling with two wrenches!

Low Collet “Run-Out”

Minimizes vibration and ensures high-quality cut.

Variable Speed Flow Control

Adjust your desired speed with dial, from 35,000 to 60,000 RPM. Unlike “roll valves,” your speed STAYS SET when turning tool off and on.



Push-Button Operation

For simple on/off tool operation. Tool comes on at same speed as when you shut it off!

Model Number	Collet Insert	Motor RPM	Motor hp (W)	Sound Level	Maximum Air Flow SCFM (L/Min)	Air Pressure PSIG (Bar)	Air Inlet Thread	Hose I.D. Inch (mm)	Weight Pound (kg)	Length Inch (mm)	Diameter Inch (mm)
52850	1/8"	60,000	.1 (75)	67 dB(A)	6 (170)	90 (6.2)	1/4" NPT	1/4 (6)	.7 (6.3)	4.5 (114)	.6 (15)
52855	3 mm	60,000	.1 (75)	67 dB(A)	6 (170)	90 (6.2)	1/4" NPT	1/4 (6)	.7 (6.3)	4.5 (114)	.6 (15)

Tune-Up Kit: No. 96601

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory.