

# Random Orbital Polishers

## Air and Electric Large Diameter Polishing Tools

ABRASIVE CAPACITY

**POLISHING PADS AND BUFFS**  
7" - 8" (178 mm - 203 mm) dia.

### Random Orbital Polishing Leaves No Haze, Halo or Swirl Marks

- Unique random orbital motion minimizes “haze” and “halo” effects, while reducing “burn through” of top coats and sealants. No haze, no halo, no swirls!
- Innovative polishing head (see below) with streamlined, lightweight design for maximum operator comfort.
- Each model includes 7" (178 mm) diameter Backing Pad (50855). Shown with optional 90082 Polishing Bonnet.

### PREMIUM Air-Powered

- Model 51447** 5/8"-11 Male Thread
- Model 51449** M14 x 2 Male Thread

- High-quality 1 hp air motor, running at 2,800 RPM.
- Planetary gear set is easily lubricated for extended tool life.

### Air-Powered

- Model 51446** 5/8"-11 Male Thread
- Model 51448** M14 x 2 Male Thread

- .7 hp air motor, running at 2,500 RPM.



Model 51447  
PREMIUM Air-Powered Model

Model 51446  
Air-Powered Model

**3/4" (19 mm) Dia.**  
**Random Orbital Motion**  
(All models on page)

Model Number	Motor hp (W)	Motor RPM	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51446/51448	.7 (522)	2,500	27 (765)	3/8 (10)	1/4" NPT	90 (6.2)	6.3 (2.9)	14-3/8 (366)	5-3/8 (135)
51447/51449	1 (744)	2,800	41 (1,167)	3/8 (10)	3/8" NPT	90 (6.2)	5.8 (2.7)	14-3/8 (366)	5-3/8 (135)

Tune-Up Kit: 51446 – No. 96672; 51448 – No. 96532 (page 192)

### Electric-Powered

- Model 51614**  
120 V (AC), 5/8"-11 Male Thread

- 9 amp motor, 0-3,000 RPM (variable RPM dial).
- Double-insulated (Class II) housing, 8 ft. (2.44 m) flexible cord, and built-in tool rest.
- 89272 Brush Set Assembly may be ordered separately.
- Includes 7" (178 mm) diameter Backing Pad (50855). Shown with optional 90082 Polishing Bonnet.



Model 51614

**120 V (AC)**



Model Number	Motor RPM	Maximum Watts Out	Voltage	Current Amps	Phase	Frequency	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51614	0 - 3,000	835	120 V (AC)	9	1	60 Hz	8.8 (3.9)	18-7/8 (480)	6-3/4 (172)

### Random Orbital Head Kit

- Converts standard rotary tool (up to 3,200 RPM) to a Random Orbital Polisher!
- Kit Includes Random Orbital Polishing Head, 50855 Hook-Face Backing Pad (7" [178 mm] diameter), 90082 Natural Sheepskin Polishing Pad (7" [178 mm] diameter) and 50679 Wrench (26 mm).

61374 Random Orbital Head Kit  
(USA Patent no. 7,022,002)



- 61374** 5/8"-11 Female Thread
- 61375** M14 x 2 Female Thread