

Large Diameter Polishers from Dynabrade

RANDOM ORBITAL and Rotary Motion; Air and Electric Powered



- Minimize “Haze” and “Halo” Effects. NO MORE SWIRLS!
- Achieve Fine Finish on Both Dark and Light Colors
- Smooth, Controlled Polishing on a Variety of Surfaces



***Now with
Lightweight
Design!***

Large Diameter Polishers



Dynabrade's Large Diameter Polishers cover MORE area in LESS time, achieving a fine finish on a variety of painted and coated surfaces. Ergonomically designed for power and comfort, these tools offer fast, smooth, controlled polishing on solid surface, fiberglass, metal, plastic and more.

Dynabrade Polishers are the perfect fit for industries finishing large work surfaces. This includes manufacturers of large transportation/emergency vehicles, solid surface fabricators, swimming pool manufacturers, marine original equipment manufacturers, marine repair facilities, furniture manufacturers, kitchen & bath shops and many others!

Features & Benefits:

- **Increased Productivity** – Tools accept large diameter polishing pads for maximum surface coverage. Polish MORE area in LESS time!
- **3/4" (19 mm) Diameter Random Orbital Motion** – True random orbital motion (models 51446, 51447, 51614) minimizes “haze” and “halo” effects in finish, and prevents “burn through” of top coats and sealants. No more swirls!
- **Low Vibration Levels** – Dynabrade's unique Balancer Assembly (patent pending) allows tools to run virtually vibration-free, reducing chance of work-related injuries.
- **Easy Two-Handed Control** – Long handle design and reversible side handle offer excellent operator comfort and control, especially in vertical positions.

Air Powered Tool Advantages

- **Pneumatic Power and Reliability** – High-quality air motor is strong, smooth and efficient.
- **Insulated Tool Housing** – Reduces cold air transmission to the hand for warm, comfortable feel.
- **Safety-Lock Throttle Lever** – Prevents accidental start-up of tool, and has no sharp edges or “pinch points.”

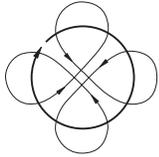
Electric Powered Tool Advantages

- **Variable Speed Dialing** – For quick and easy RPM adjustments.
- **Variable Speed Trigger** – Feather-touch adjustment to your speed.
- **Lock Set Button** – “Lock in” desired speed for a consistent RPM.
- **Easy Brush Replacement** – Reduces downtime by allowing convenient on-site maintenance.
- **Double-Insulated Housing** – For protection against electric shock.

Random Orbital Polishers

Accept Polishing and Cutting Pads 7"-8" (178 mm - 203 mm) in Diameter (sold separately)

- Unique RANDOM ORBITAL motion minimizes “haze” and “halo” effects, while preventing “burn through” of top coats and sealants. No haze, no halo, no swirls!
- Innovative polishing head (patent pending) with streamlined, lightweight design for maximum operator comfort.
- Each model includes 7" (178 mm) diameter Backing Pad (50855). Polishing and cutting pads sold separately.



3/4" (19 mm) Dia.
Random Orbital Motion



Model 51446

Model 51447

**Now with
Lightweight
Design!**

PREMIUM Air Powered

Model 51447

5/8"-11 Male Thread

Model 51449

M14x2 Male Thread

- Highest quality 1 hp air motor, running at 2,800 RPM.
- Lubricated gears for extended tool life.

Air Powered

Model 51446

5/8"-11 Male Thread

Model 51448

M14x2 Male Thread

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



Model 51614

Electric Powered

Model 51614

- 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.

Model Number	Motor hp (W)	Motor RPM	Maximum Air Flow CFM/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	3/27 (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	6/41 (1,167)	3/8 (10)	3/8" NPT	90 (6.2)	5.8 (2.7)	14-3/8 (366)	5-3/8 (135)

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 to a Random Orbital Polisher!

- For mounting to tool motors up to 3,200 RPM.

61374

5/8"-11 Female Thread

61375

M14x2 Female Thread

- Kit Includes: – Random Orbital Polishing Head (patent pending)
- 50855 Hook-Face Backing Pad, 7" (178 mm) diameter
- 90082 Natural Sheepskin Polishing Pad, 7" (178 mm) diameter
- 50679 Wrench, 26 mm

**No More
Swirls!**



Rotary Polishers

Accept Polishing and Cutting Pads 5" - 8" (127 mm - 203 mm) in Diameter (sold separately)

PREMIUM Air Powered

Model 51392

5/8"-11 Male Thread

- Highest quality pneumatic motor, running at 2,800 RPM.
- Lubricated gears for extended tool life.

Model 51396

M14x2 Male Thread

Air Powered

Model 51459

5/8"-11 Male Thread

- .7 hp air motor, running at 2,500 RPM.
- Standard safety-lock lever.

Model 51458

M14x2 Male Thread

Electric Powered

Model 51610

- 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.
- 5/8"-11 male thread.



Model Number	Motor hp (W)	Motor RPM	Maximum Air Flow CFM/SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51392/51396	1 (744)	2,800	6/41 (1,167)	3/8 (10)	3/8" NPT	90 (6.2)	4.5 (2.1)	13-1/8 (333)	3-3/4 (95)
51458/51459	.7 (522)	2,500	3/27 (765)	3/8 (10)	1/4" NPT	90 (6.2)	5.3 (2.4)	11-3/4 (301)	4 (102)

Model Number	Motor RPM	Maximum Watts Out	Voltage	Current Amps	Phase	Frequency	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51610	0 - 3,000	835	120 V (AC)	9	1	60 Hz	4.9 (2.2)	16-5/8 (423)	5 (127)

Note: Rotary Polishers do not include Backing Pad.

Polisher Backing Pads

For use with Random Orbital Polishers

- Hook-face, foam backing, 1 screw mount.

Part Number	Diameter Inch (mm)	Nap	Pad MOS RPM
50855	7 (178)	Short	3,200

For use with Rotary Polishers

- Hook-face, 5/8"-11 female thread.

Part Number	Diameter Inch (mm)	Backing Type	Nap	Pad MOS RPM
50853	7 (178)	Rigid	Short	3,200
50884	5 (127)	Rigid	Short	10,000
50946	6 (152)	Foam	Short	3,200
50947	8 (203)	Foam	Short	3,200



Polishing and Cutting Pads

Hook-Face

Part Number	Pad Diameter Inch (mm)	Description	Type	Color
90036	5 (127)	Natural Sheepskin Wool	Polishing	Tan
90040	5 (127)	Foam Flat	Polishing	White
90045	5 (127)	Foam Flat	Cutting	Yellow
90081	5 (127)	Natural Sheepskin Wool	Polishing	White
90063	5-1/4 (133)	Foam Waffle	Polishing	Orange
90046	6 (152)	Foam Flat	Cutting	Yellow
90047	6 (152)	Foam Flat	Polishing	White
90082	7 (178)	Natural Sheepskin Wool	Polishing	White

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www.dynabrade.com



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