

The Next Generation of Palm Sanders Has Arrived...

AUTOMOTIVE AFTERMARKET

Dynorbital-Spirit™

RANDOM ORBITAL SANDER SERIES

Patent Pending



***Lighter!
Faster!
Stronger!***



Dynabrade incorporates the latest manufacturing technology to create the next generation of lightweight, industrial-quality, air-powered random orbital sanders.



**Made with pride in
Clarence, New York!**



Dynorbital-Spirit™ Features And Details Explained...

Ergonomic Grip

The shape of the housing conforms to operator's hand for proper wrist position required for greater operator comfort and control.

Composite Lever

Insulates cold. When the palm-conformed lever is activated, it becomes recessed into the housing thus eliminating a "pinch point" on the sensitive area of the palm.

Less Vibration

Composite base has integrated full-rubber over-mold creating a non-slip insulated feel.

Low Sound Levels

New muffling system reduces sound levels to as low as 75 dB(A). No more sintered bronze muffler to replace. Easy to replace muffler inserts.

Perfectly Balanced Pad

The Best in the Industry!

Perfectly-balanced weight-mated pad: the ultimate in swirl-free finishes!

3-1/2" - 80 grams
5" - 100 grams
6" - 130 grams

One-Piece Speed Control Dial

Standard on all models. Adjustable side dial maintains user desired speed: variable 4,000 - 12,000 RPM.

Double Row Balancer Bearing

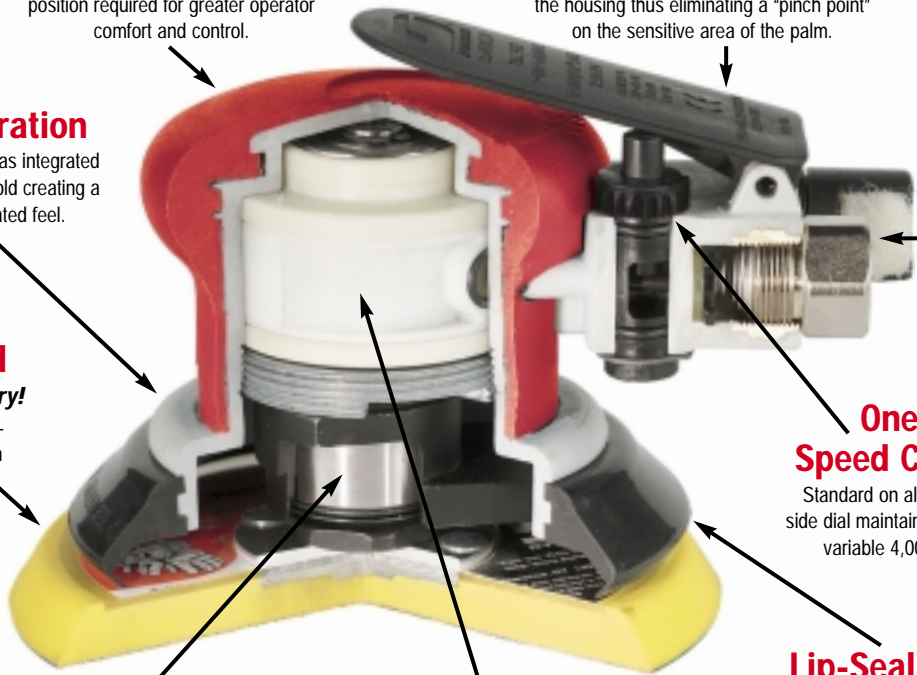
New and innovative bearing seals protect high-quality bearings from sanding residue and reduce bearing temperature for longer bearing life.

Custom-Engineered Cylinder

Custom-engineered, high-strength composite cylinder is the weight reduction solution: innovative, hardened sleeved, composite overmolded cylinder. Provides longer cylinder life for less maintenance.

Lip-Seal Shroud

Correct spacing between shroud and pad allows for the most efficient operation of the tool on the work surface.



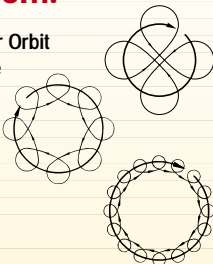
Three Orbit Diameters to Choose From:



3/8" Diameter Orbit
for Aggressive Sanding

3/16" Diameter Orbit
for General Sanding

3/32" Diameter Orbit
for Ultra-Fine Sanding



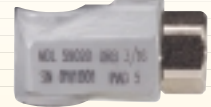
Easily Replaceable Drop-In Motor

Less repair tools needed to repair and maintain the tool. Quick in-house repair lessens downtime. Average repair time now less than five minutes.



Identification Marking

Easy to read model number and serial number markings located on the side of the tool.



Color-Coded Levers Identify Orbit Size

Easy to Identify!

Grey Lever:
3/16" Diameter Orbit Models

Black Lever:
3/32" Diameter Orbit Models

Blue Lever:
3/8" Diameter Orbit Models



Less Weight

Non-vacuum model weighs just 22 ounces (1.4 lbs.), lighter than any other comparable sander.

Low Profile Design

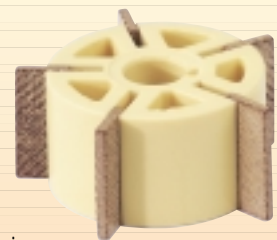
Only 3-1/2" high. Improves control, provides greater operator visibility and allows pad to be used flat on the work surface for better finishes.

More Power

True 12,000 RPM air motor has more power. Merlite® III floating rotor utilizes five blades (Arc II blades are oil-less for longer life) producing more usable power (.25 Hp).

High-strength, composite rotor is stronger and has better lubricating qualities allowing the blades to wear longer.



As a result, less air (16 SCFM) is used more efficiently to maintain maximum power.




Patent Numbers: 4,531,329; 4,854,085; 5,319,888; Patents Pending.


Dynorbital-Spirit™ Models


3 Orbits to Choose From!


3/8" Diameter Orbit	3/16" Diameter Orbit	3/32" Diameter Orbit
<p>FOR AGGRESSIVE SANDING</p> <p>Blue Lever</p> 	<p>FOR GENERAL SANDING</p> <p>Grey Lever</p> 	<p>FOR ULTRA-FINE SANDING</p> <p>Black Lever</p> 
<p>BODYMAN'S TOOLS</p>		<p>PAINTER'S TOOL</p>

All models include our low-profile, premium urethane, weight-mated sanding pad.

NON-VACUUM	3/8" DIA. ORBIT	3/16" DIA. ORBIT	3/32" DIA. ORBIT		
	BLUE LEVER	GREY LEVER	BLACK LEVER		
	3"	21000	21020	21040	<p>➤ May be converted to a vacuum tool with kit – see back of this flyer for part number.</p>
	3-1/2"	21005	21025	21045	
	5"	21010	21030	21050	
	6"	21015	21035	21055	
	6" w/Hook-Face Pad	21060	21061	21062	

CENTRAL VAC READY	3/8" DIA. ORBIT	3/16" DIA. ORBIT	3/32" DIA. ORBIT		
	BLUE LEVER	GREY LEVER	BLACK LEVER		
	3"	21004	21024	21044	<p>➤ Ready for hook-up to portable or central vac system. See our full-line catalog for portable vacuum systems.</p> <p>➤ Tool has 1" vacuum port.</p> <p>➤ Vacuum hose and cuffs available. See our catalog.</p>
	3-1/2"	21009	21029	21049	
	5"	21014	21034	21054	
	6"	21019	21039	21059	
	6" w/Hook-Face Pad	21063	21064	21065	

BASIC VACUUM	3/8" DIA. ORBIT	3/16" DIA. ORBIT	3/32" DIA. ORBIT		
	BLUE LEVER	GREY LEVER	BLACK LEVER		
	3"	21001	21021	21041	<p>➤ Tool creates it's own vacuum.</p> <p>➤ Not for central vac or portable vac systems.</p> <p>➤ Includes 6' long vac hose and 1 micron reusable filter bag.</p>
	3-1/2"	21006	21026	21046	
	5"	21011	21031	21051	
	6"	21016	21036	21056	

DELUXE VACUUM	3/8" DIA. ORBIT	3/16" DIA. ORBIT	3/32" DIA. ORBIT		
	BLUE LEVER	GREY LEVER	BLACK LEVER		
	3"	21002	21022	21042	<p>➤ Tool creates it's own vacuum.</p> <p>➤ Not for central vac or portable vac systems.</p> <p>➤ Self-generated vac-ready tool includes 1/4" dia. air line and 10' long vacuum hose with disposable paper bag inside a durable outer case.</p>
	3-1/2"	21007	21027	21047	
	5"	21012	21032	21052	
	6"	21017	21037	21057	

Accessories

NON-VACUUM TO VACUUM CONVERSION KITS

Original Non-Vac Tool	Converts To	Kit Part Number
3-1/2" (89 mm)	Self-Generated Vac-Ready	57118
3-1/2" (89 mm)	Central Vac-Ready	57119
5" (127 mm)	Self-Generated Vac-Ready	57120
5" (127 mm)	Central Vac-Ready	57121
6" (152 mm)	Self-Generated Vac-Ready	57122
6" (152 mm)	Central Vac-Ready	57123

- All kits include vacuum PSA sanding pad, shroud, vac adapter and necessary hardware for quick and easy conversion!
- Hook-Face pads may be substituted upon request.



- Optional Vacuum Overskirts Available
57084 – 3" & 3-1/2" Models
57086 – 5" Models
57087 – 6" Models



Overskirt Enhances Vacuum Pick Up!

MOTOR TUNE-UP KIT

Model 96510

- Includes assorted parts to maintain and repair motor.



Need your sander repaired?

Let our Factory Professionals do the work!

- Carefully package your tool(s) and mail to:
- You will be notified with a repair estimate. Be sure to include return address, phone number, fax number and contact name.

Dynabrade, Inc.
 c/o Repair Department
 8989 Sheridan Drive
 Clarence, NY 14031

REPLACEMENT DROP-IN MOTORS



- Allows quick and easy replacement.
- No motor adjustments needed.
- Follow maintenance procedures described in parts page.
- 3/8" motors include new lock ring.

	3" Dia. Models	3-1/2" Dia. Models	5" Dia. Models	6" Dia. Models
3/8" Diameter Orbit	59450	59450	59453	59456
3/16" Diameter Orbit	59451	59451	59454	59457
3/32" Diameter Orbit	59452	59452	59455	59458

DYNAFOAM INTERFACE PADS

- For Hook 'n Loop abrasives. Soft foam increases conformability, allowing operator to easily follow contours. Converts standard pad into a fine finishing and finessing pad!
- Interface pad easily contours to most surfaces.
- Attaches between sanding pad and Hook 'n Loop abrasive.

Non-Vacuum and Vacuum		
Part No.	Diameter	
53976	3-1/2" (89 mm)	○
53978	5" (127 mm)	⊙
53980	6" (152 mm)	⊙

- Hook-Face pad
- Hook-Face interface pad attaches between sanding pad and Hook-Face abrasive
- Hook-Face abrasive



MACHINE SPECIFICATIONS (ALL MODELS)

Motor HP (W)	Motor RPM	Sound Level	Air Flow Rate CFM/SCFM (LPM)	Air Pressure PSIG (Bars)	Spindle Thread	Weight (Non-Vac/Vac) Pound (kg)	Length (Non-Vac/Vac) Inch (mm)	Height Inch (mm)
.25 (186)	12,000	75 dB(A)	2/16 (453)	90 (6.2)	5/16"-24 female	1.4 (0.6) to 1.6 (6.7)	6 (152) to 9 (229)	90 (6.2)

Additional Specifications: Air Inlet Thread 1/4" NPT • Hose I.D. Size 1/4" (6 mm)



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