



# RANDOM ORBITAL SANDER SERIES



## DYNORBITAL® SUPREME

*The Supreme Standard for  
Random Orbital Quality!*



## DYNORBITAL® SILVER SUPREME

*Supreme Power with  
Lightweight Comfort!*



## DYNORBITAL- SPIRIT®

*Medium-Duty Sander  
with "D3" Advantages*

## A UNIVERSE OF APPLICATIONS!

*Furniture Fixtures and Moldings • Solid Surface Counter Tops  
Custom Kitchen Cabinets • Custom Woodwork • Laminated Products  
Metal Finishing • Carbon Fiber • Fiberglass Mold Repair on Bath Tubs  
Bronze Sculptures • Unfinished Wood Products • P.O.P. Displays  
Custom Guitars • Architectural Millwork • Finish Sand • Antique Restoration  
Case Work • Finish Door and Window Frames • Auto Body Work  
Sheet Metal Surface Prep • Office Furniture • Hydraulic Tanks and Top Plates  
Aircraft Panels • Outdoor Signs • Upholstered Furniture • White Sanding  
Tables and Chairs • Utility Trucks • Medical Equipment • Computer Frames  
Food Industry Conveyors • Veneer Zinc Castings • Window Shutters  
Refinish Aircraft Windows • Raised Panel Doors • Painted Parts  
Billiard Tables • Auto Bumper • Fabricated Metal Parts  
Edge Sanding • Polish Steel Caps • Fiberglass Boats  
Aluminum Furniture • Home Appliances  
Decorative Accessories • Satellite Antennas  
Sand Primer • Surface Prep • MDF Components  
Finish Custom Injection Moldings and Much More!*



# Dynorbital® Supreme

## Air-Powered Random Orbital Sander



**SANDING PADS**  
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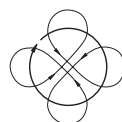
**AIR LINES**  
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### Setting the Standard for Random Orbital Supremacy!

- The cornerstone of the "D3" Series, Dynorbital® Supreme sports a distinctive look, signifying many innovations and improvements!
- "D3" advancements include refined ergonomic design, increased vacuum capabilities, aggressive 3/8" (10 mm) orbit and more.
- When operating on work surface, tool maintains highest RPM in the industry!



**3/8"**  
(10 mm)  
Dia. Orbit

**For Aggressive Sanding**  
(Orange Lever)



**3/16"**  
(5 mm)  
Dia. Orbit

**For General Sanding**  
(Silver Lever)



**3/32"**  
(2.5 mm)  
Dia. Orbit

**For Ultra-Fine Sanding**  
(Black Lever)

### Non-Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Optional vacuum conversion kits are available to easily convert non-vacuum tool to self-generated vacuum tool or central vacuum tool (see page 218).

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3-1/2 (89)	56870	56800	56840
5 (127)	56880	56815*	56850
6 (152)	56890	56826**	56859

**Tune-Up Kit: No. 96024** (page 267)

\*USA Government National Stock Number 5130013993588

\*\*USA Government National Stock Number 5130014066450

### Self-Generated Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Ready for connection to optional portable self-contained dust collection system (see page 219).

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3-1/2 (89)	56873	56803	56843
5 (127)	56883	56818*	56853
6 (152)	56893	56829**	56862

**Tune-Up Kit: No. 96024** (page 267)

\*USA Government National Stock Number 5130012462258

\*\*USA Government National Stock Number 5130014677026

### Central Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Has 1" (25 mm) dia. vacuum port for easy connection to external vacuum system.

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3-1/2 (89)	56874	56804	56844
5 (127)	56884	56819	56854
6 (152)	56894	56830*	56863

**Tune-Up Kit: No. 96024** (page 267)

\*USA Government National Stock Number 5130014125177

**FOR ABRASIVE DISCS**  
3-1/2" (89 mm), 5" (127 mm)  
and 6" (152 mm) dia.  
**SEE PAGE 275**



Model  
56819



Model  
56815

**See page 230  
for Dynabrade  
High-Quality  
Sanding Pads!**



Model  
56818

**Portable Dust Collection System**  
(Optional - See Page 219)



Model  
56819



# Dynorbital® Supreme

## Air-Powered Random Orbital Sander



**SANDING PADS**  
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**AIR LINES**  
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### Setting the Standard for Random Orbital Supremacy!

**FOR ABRASIVE DISCS**  
3-1/2" (89 mm), 5" (127 mm)  
and 6" (152 mm) dia.  
SEE PAGE 275

#### Refined Ergonomic Tool Grip

Allows more comfortable grip and feel, reducing operator fatigue and increasing efficiency.

#### Auto-Recess Throttle Lever

Lever recesses into housing grip when depressed, eliminating pressure-point on operator's palm. Lever is color-coded to identify tool orbit (see page 148).

#### Comfort Platform

**U.S. Patent No. D610,428**

Provides additional hand and wrist support, enhancing operator comfort.

#### Perfectly Balanced Sanding Pad

**Ask for the ORANGE!**

Perfectly-balanced, weight-mated sanding pad with exclusive **single-piece hub design**. Dynabrade premium urethane pads offer smoother operating performance and minimal vibration.

#### THREE Diameters:

3-1/2" (89 mm) – 80 grams

5" (127 mm) – 100 grams

6" (152 mm) – 130 grams

#### ONE-HAND Speed Control

New Speed Control dial allows "thumb control" regulating of tool speed.

#### Low-Vibration Design

Tool grip fully covers tool housing, minimizing vibration transfer to operator.

#### Enhanced Vacuum Capabilities

Vacuum port diameter is increased by **110%**, allowing maximum capture of dust and debris!

Shroud included with all Dynorbital® Supreme, Dynorbital® Silver Supreme, and Dynorbital-Spirit® vacuum models.

### Dynorbital® Supreme Models

Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
56800	Non-Vac	3-1/2 (89)	3/16 (5)	77 dB(A)	2.1 (1)	6 (152)
56815	Non-Vac	5 (127)	3/16 (5)	80 dB(A)	2.1 (1)	6-1/2 (165)
56826	Non-Vac	6 (152)	3/16 (5)	78 dB(A)	2.2 (1)	7 (178)
56840	Non-Vac	3-1/2 (89)	3/32 (2.5)	76 dB(A)	2.1 (1)	6 (152)
56850	Non-Vac	5 (127)	3/32 (2.5)	77 dB(A)	2.1 (1)	6-1/2 (165)
56859	Non-Vac	6 (152)	3/32 (2.5)	76 dB(A)	2.2 (1)	7 (178)
56870	Non-Vac	3-1/2 (89)	3/8 (10)	80 dB(A)	2.2 (1)	6 (152)
56880	Non-Vac	5 (127)	3/8 (10)	78 dB(A)	2.3 (1)	6-1/2 (165)
56890	Non-Vac	6 (152)	3/8 (10)	80 dB(A)	2.4 (1)	7 (178)
56803	Self-Gen	3-1/2 (89)	3/16 (5)	84 dB(A)	2.1 (1)	8-1/4 (210)
56818	Self-Gen	5 (127)	3/16 (5)	82 dB(A)	2.1 (1)	8-1/2 (216)
56829	Self-Gen	6 (152)	3/16 (5)	85 dB(A)	2.3 (1)	9 (229)
56843	Self-Gen	3-1/2 (89)	3/32 (2.5)	81 dB(A)	2.1 (1)	8-1/4 (210)
56853	Self-Gen	5 (127)	3/32 (2.5)	83 dB(A)	2.1 (1)	8-1/2 (216)

Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
56862	Self-Gen	6 (152)	3/32 (2.5)	84 dB(A)	2.3 (1)	9 (229)
56873	Self-Gen	3-1/2 (89)	3/8 (10)	84 dB(A)	2.3 (1)	8-1/4 (210)
56883	Self-Gen	5 (127)	3/8 (10)	85 dB(A)	2.3 (1)	8-1/2 (216)
56893	Self-Gen	6 (152)	3/8 (10)	85 dB(A)	2.5 (1.1)	9 (229)
56804	Central	3-1/2 (89)	3/16 (5)	79 dB(A)	2.1 (1)	7 (178)
56819	Central	5 (127)	3/16 (5)	80 dB(A)	2.2 (1)	7-1/4 (184)
56830	Central	6 (152)	3/16 (5)	81 dB(A)	2.3 (1)	7-3/4 (197)
56844	Central	3-1/2 (89)	3/32 (2.5)	79 dB(A)	2.1 (1)	7 (178)
56854	Central	5 (127)	3/32 (2.5)	80 dB(A)	2.2 (1)	7-1/4 (184)
56863	Central	6 (152)	3/32 (2.5)	79 dB(A)	2.3 (1)	7-3/4 (197)
56874	Central	3-1/2 (89)	3/8 (10)	80 dB(A)	2.3 (1)	7 (178)
56884	Central	5 (127)	3/8 (10)	81 dB(A)	2.3 (1)	7-1/4 (184)
56894	Central	6 (152)	3/8 (10)	84 dB(A)	2.4 (1)	7-3/4 (197)

**Additional Specifications:** Motor .28 hp (209 W) • Motor 12,000 RPM • Pad Thread 5/16"-24 Male • Air Inlet Thread 1/4" NPT  
Hose I.D. Size 1/4" (6 mm) • Air Flow Rate 18 SCFM/510 L/Min • Height 3-1/2" (89 mm) • Air Pressure 90 PSIG (6.2 Bar)  
Sound Level is the pressure measurement according to the method outlined in ISO regulation ISO-15744

# Wet Dynorbital® Supreme

## Air-Powered Random Orbital Sander



**SANDING PADS**  
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**ACCESSORIES**  
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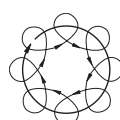
### For Polishing and Finishing Flats and Sides

- Achieves the ultimate in swirl-free finishes.
- Wet sanding reduces airborne dust, improving air quality of workplace.
- Overskirt shroud is standard on all models, to control water splash.
- Accepts diamond abrasive discs as well as microfinishing film and conventional wet discs.
- Includes non-vacuum hook-face sanding pad (short nap), 3/8" thick.

**FOR ABRASIVE DISCS**  
3-1/2" (89 mm), 5" (127 mm)  
and 6" (152 mm) dia.  
SEE PAGE 275

### Basic Models

- For those not requiring "through-the-tool" water feed (who prefer to use a hose or spray bottle).



**3/16" (5 mm) Dia. Random Orbit**  
For Swirl-Free Finishes

#### Model 57572 5" Diameter, 3/16" Orbit

- Includes 54325 Hook-Face Pad.

#### Model 57574 6" Diameter, 3/16" Orbit

- Includes 54327 Hook-Face Pad.



Model  
57574



**3/32" (2.5 mm) Dia. Random Orbit**  
For Ultra-Fine Finishes

#### Model 57582 5" Diameter, 3/32" Orbit

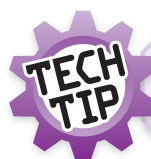
- Includes 54325 Hook-Face Pad.

#### Model 57584 6" Diameter, 3/32" Orbit

- Includes 54327 Hook-Face Pad.



Model  
57582



After using wet tool, wipe tool down with a clean, dry rag and let dry. Then store tool with sanding pad face down.

Model Number	Motor hp (W)	Motor RPM	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
57572	.24 (179)	10,000	5 (127)	78 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.1 (1.0)	6-1/2 (165)	3-5/8 (92)
57574	.24 (179)	10,000	6 (152)	76 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.2 (1.0)	7 (178)	3-1/2 (89)
57582	.24 (179)	10,000	5 (127)	76 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.1 (1.0)	6-1/2 (165)	3-5/8 (92)
57584	.24 (179)	10,000	6 (152)	78 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.2 (1.0)	7 (178)	3-1/2 (89)

**Tune-Up Kit: No. 96018** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Wet Dynorbital® Supreme

## Air-Powered Random Orbital Sander



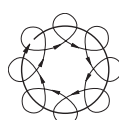
**SANDING PADS**  
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### For Polishing and Finishing Flats and Sides

#### Deluxe Models

- Include 1/4" diameter x 11' long water line and 1/4" diameter x 10' long air line, both contained in 3/4" diameter overhose.
- Include adjustable "water feed" valves at two locations: one near the water source connection and another at the tool. This allows one valve to be pre-set to your desired flow rate, while the other is utilized as an on/off valve.



**3/16" (5 mm) Dia. Random Orbit**  
For Swirl-Free Finishes

#### Model 57571 3-1/2" Diameter, 3/16" Orbit

- Includes 54311 Hook-Face Pad.

#### Model 57573 5" Diameter, 3/16" Orbit

- Includes 54325 Hook-Face Pad.

#### Model 57575 6" Diameter, 3/16" Orbit

- Includes 54327 Hook-Face Pad.



**3/32" (2.5 mm) Dia. Random Orbit**  
For Ultra-Fine Finishes

#### Model 57583 5" Diameter, 3/32" Orbit

- Includes 54325 Hook-Face Pad.

#### Model 57585 6" Diameter, 3/32" Orbit

- Includes 54327 Hook-Face Pad.



Model 57573



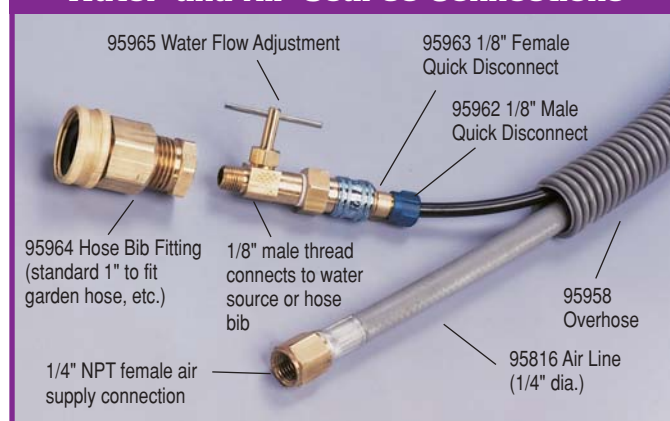
Model 57575

Wet Dynorbital® Supreme achieves swirl-free finish.

### Connections to Deluxe Tools



### Water and Air Source Connections



Model Number	Motor hp (W)	Motor RPM	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
57571	.24 (179)	12,000	3-1/2 (89)	74 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.1 (1.0)	6 (152)	3-3/4 (95)
57573	.24 (179)	10,000	5 (127)	78 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.1 (1.0)	6-1/2 (165)	3-5/8 (92)
57575	.24 (179)	10,000	6 (152)	76 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.2 (1.0)	7 (178)	3-1/2 (89)
57583	.24 (179)	10,000	5 (127)	76 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.1 (1.0)	6-1/2 (165)	3-5/8 (92)
57585	.24 (179)	10,000	6 (152)	78 dB(A)	16 (453)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.2 (1.0)	7 (178)	3-1/2 (89)

Tune-Up Kit: No. 96018 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# Dynorbital® Silver Supreme

## Air-Powered Random Orbital Sander

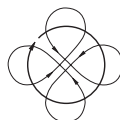


**DROP-IN MOTORS**  
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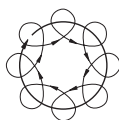
### Combines Supreme Power with Lightweight Comfort!

- The newest tool in our "D3" Series is the ultimate combination of Supreme power and lightweight comfort!
- "D3" innovations include all-steel components, compact Ergo Grip, outstanding vacuum capabilities and more.
- Steel cylinder and end plates stay perfectly aligned, maximizing motor performance!



**3/8"**  
(10 mm)  
Dia. Orbit

*For Aggressive Sanding  
(Orange Lever)*



**3/16"**  
(5 mm)  
Dia. Orbit

*For General Sanding  
(Silver Lever)*



**3/32"**  
(2.5 mm)  
Dia. Orbit

*For Ultra-Fine Sanding  
(Black Lever)*



Model  
69014

**FOR ABRASIVE DISCS**  
3" (76 mm), 3-1/2" (89 mm),  
5" (127 mm) and 6" (152 mm) dia.  
SEE PAGE 275

### Non-Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Optional vacuum conversion kits are available to easily convert non-vacuum tool to self-generated vacuum tool or central vacuum tool (see page 218).

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3 (76)	69100	69105	69110
3-1/2 (89)	69000	69015	69030
5 (127)	69005	69020	69035
6 (152)	69010	69025	69040

Tune-Up Kit: No. 96620 (page 267)



**WATCH Tool  
at Work!**



Model  
69020

### Self-Generated Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Ready for connection to optional portable self-contained dust collection system (see page 219).

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3 (76)	69103	69108	69113
3-1/2 (89)	69003	69018	69033
5 (127)	69008	69023	69038
6 (152)	69013	69028	69043

Tune-Up Kit: No. 96620 (page 267)



Model  
69023

Portable Dust Collection System  
(Optional - See Page 219)

### Central Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Has 1" (25 mm) dia. vacuum port for easy connection to external vacuum system.

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3 (76)	69104	69109	69114
3-1/2 (89)	69004	69019	69034
5 (127)	69009	69024	69039
6 (152)	69014	69029	69044

Tune-Up Kit: No. 96620 (page 267)



Model  
69024

**See page 230  
for Dynabrade  
High-Quality  
Sanding Pads!**

# Dynorbital® Silver Supreme

## Air-Powered Random Orbital Sander



**DROP-IN MOTORS**  
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*Combines Supreme Power with Lightweight Comfort!*

**FOR ABRASIVE DISCS**  
3" (76 mm), 3-1/2" (89 mm),  
5" (127 mm) and 6" (152 mm) dia.  
*SEE PAGE 275*

### Auto-Recess Throttle Lever

Lever recesses into housing grip when depressed, eliminating pressure-point on operator's palm. Lever is made from composite material to insulate against cold air. Lever is color-coded to identify tool orbit (see page 152).

### Compact Grip Size

Compact, ergonomic design is ideal for operators with smaller hands.

### Steel Cylinder and End Plates

Steel cylinder and end plates stay perfectly aligned. Design of end plates keeps more air in cylinder, increasing motor efficiency!

### Single-Piece Locking Ring

Allows easier assembly and provides tighter seal.

### Comfort Platform

**U.S. Patent No. D610,428**

Provides additional hand and wrist support, enhancing operator comfort. Also offers protection against cold air exhaust.

### ONE-HAND Speed Control

New Speed Control dial allows "thumb control" regulating of tool speed.

### Perfectly Balanced Sanding Pad

**Ask for the ORANGE!**

Perfectly balanced, weight-mated sanding pad with exclusive **single-piece hub design**. Dynabrade premium urethane pads offer smoother operating performance and minimal vibration.



**WATCH the Silver Supreme at Work!**

### Dynorbital® Silver Supreme Models

Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
69000	Non-Vac	3-1/2 (89)	3/8 (10)	76 dB(A)	1.8 (.8)	6 (152)
69005	Non-Vac	5 (127)	3/8 (10)	80 dB(A)	1.9 (.9)	6-1/2 (165)
69010	Non-Vac	6 (152)	3/8 (10)	83 dB(A)	1.9 (.9)	7 (178)
69015	Non-Vac	3-1/2 (89)	3/16 (5)	77 dB(A)	1.7 (.8)	6 (152)
69020	Non-Vac	5 (127)	3/16 (5)	77 dB(A)	1.8 (.8)	6-1/2 (165)
69025	Non-Vac	6 (152)	3/16 (5)	77 dB(A)	1.8 (.8)	7 (178)
69030	Non-Vac	3-1/2 (89)	3/32 (2.5)	75 dB(A)	1.7 (.8)	6 (152)
69035	Non-Vac	5 (127)	3/32 (2.5)	78 dB(A)	1.7 (.8)	6-1/2 (165)
69040	Non-Vac	6 (152)	3/32 (2.5)	78 dB(A)	1.8 (.8)	7 (178)
69100	Non-Vac	3 (76)	3/8 (10)	80 dB(A)	1.8 (.8)	6 (152)
69105	Non-Vac	3 (76)	3/16 (5)	80 dB(A)	1.7 (.8)	6-1/2 (165)
69110	Non-Vac	3 (76)	3/32 (2.5)	80 dB(A)	1.7 (.8)	7 (178)
69003	Self-Gen	3-1/2 (89)	3/8 (10)	84 dB(A)	1.9 (.9)	8-1/2 (216)
69008	Self-Gen	5 (127)	3/8 (10)	80 dB(A)	2.0 (.9)	8-1/2 (216)
69013	Self-Gen	6 (152)	3/8 (10)	80 dB(A)	2.1 (.9)	9 (229)
69018	Self-Gen	3-1/2 (89)	3/16 (5)	79 dB(A)	1.8 (.8)	8-1/2 (216)
69023	Self-Gen	5 (127)	3/16 (5)	81 dB(A)	1.9 (.9)	8-1/2 (216)
69028	Self-Gen	6 (152)	3/16 (5)	84 dB(A)	2.0 (.9)	9 (229)

Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
69033	Self-Gen	3-1/2 (89)	3/32 (2.5)	84 dB(A)	1.8 (.8)	8-1/2 (216)
69038	Self-Gen	5 (127)	3/32 (2.5)	84 dB(A)	1.9 (.9)	8-1/2 (216)
69043	Self-Gen	6 (152)	3/32 (2.5)	81 dB(A)	2.0 (.9)	9 (229)
69103	Self-Gen	3 (76)	3/8 (10)	81 dB(A)	1.9 (.9)	8-1/2 (216)
69108	Self-Gen	3 (76)	3/16 (5)	79 dB(A)	1.8 (.8)	8-1/2 (216)
69113	Self-Gen	3 (76)	3/32 (2.5)	83 dB(A)	1.8 (.8)	9 (229)
69004	Central	3-1/2 (89)	3/8 (10)	79 dB(A)	1.9 (.9)	7 (178)
69009	Central	5 (127)	3/8 (10)	80 dB(A)	2.0 (.9)	7-1/4 (184)
69014	Central	6 (152)	3/8 (10)	84 dB(A)	1.9 (.9)	7-3/4 (197)
69019	Central	3-1/2 (89)	3/16 (5)	83 dB(A)	1.8 (.8)	7 (178)
69024	Central	5 (127)	3/16 (5)	79 dB(A)	1.9 (.9)	7-1/4 (184)
69029	Central	6 (152)	3/16 (5)	83 dB(A)	2.0 (.9)	7-3/4 (197)
69034	Central	3-1/2 (89)	3/32 (2.5)	82 dB(A)	1.8 (.8)	7 (178)
69039	Central	5 (127)	3/32 (2.5)	81 dB(A)	1.8 (.8)	7-1/4 (184)
69044	Central	6 (152)	3/32 (2.5)	82 dB(A)	2.0 (.9)	7-3/4 (197)
69104	Central	3 (76)	3/8 (10)	82 dB(A)	1.9 (.9)	7 (178)
69109	Central	3 (76)	3/16 (5)	80 dB(A)	1.8 (.8)	7-1/4 (184)
69114	Central	3 (76)	3/32 (2.5)	82 dB(A)	1.8 (.8)	7-3/4 (197)

**Additional Specifications:** Motor .26 hp (194 W) • Motor 12,000 RPM • Pad Thread 5/16"-24 Male • Air Inlet Thread 1/4" NPT  
Hose I.D. Size 1/4" (6 mm) • Air Flow Rate 16 SCFM/450 L/Min • Height 3-1/2" (89 mm) • Air Pressure 90 PSIG (6.2 Bar)  
Sound Level is the pressure measurement according to the method outlined in ISO regulation ISO-15744

# Dynorbital-Spirit®

## Air-Powered Random Orbital Sander



**SANDING PADS**  
PAGE 230

**DROP-IN MOTORS**  
PAGE 265

**BALL-SWIVEL PLUG**  
PAGE 223

**ACCESSORIES**  
PAGE 222

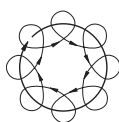
### Lightweight Sander with "D3" Advantages!

- Dynabrade's lightest Random Orbital Sander is ideal for vertical and contoured applications, and for operators with smaller hands.
- "D3" improvements include distinctive look, ergonomic tool grip for added comfort, increased vacuum efficiency and new muffler design.
- For light-to-medium duty customers who demand the Dynabrade Difference!



**3/8"**  
(10 mm)  
Dia. Orbit

**For Aggressive Sanding**  
(Orange Lever)



**3/16"**  
(5 mm)  
Dia. Orbit

**For General Sanding**  
(Silver Lever)



**3/32"**  
(2.5 mm)  
Dia. Orbit

**For Ultra-Fine Sanding**  
(Black Lever)

### Non-Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Optional vacuum conversion kits are available to easily convert non-vacuum tool to self-generated vacuum tool or central vacuum tool (see page 218).

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3 (76)	59100	59105	59110
3-1/2 (89)	59000	59015	59030
5 (127)	59005	59020	59035
6 (152)	59010	59025*	59040

**Tune-Up Kit: No. 96510** (page 267)

\*USA Government National Stock Number 5130015162219



Model  
59013

**FOR ABRASIVE DISCS**  
3" (76 mm), 3-1/2" (89 mm),  
5" (127 mm) and 6" (152 mm) dia.  
SEE PAGE 275



Model  
59020

**See page 230  
for Dynabrade  
High-Quality  
Sanding Pads!**

### Self-Generated Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Ready for connection to optional portable self-contained dust collection system (see page 219).

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3 (76)	59103	59108	59113
3-1/2 (89)	59003	59018	59033
5 (127)	59008	59023/58054*	59038
6 (152)	59013	59028	59043

**Tune-Up Kit: No. 96510** (page 267)

\*Model 58054 includes 56320 Hook-Face Pad with 44 holes (see page 231).



Model  
59023

**Portable Dust Collection System**  
(Optional - See Page 219)

### Central Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Has 1" (25 mm) dia. vacuum port for easy connection to external vacuum system.

Pad Diameter Inch (mm)	3/8" (10 mm) Orbit Models	3/16" (5 mm) Orbit Models	3/32" (2.5 mm) Orbit Models
3 (76)	59104	59109	59114
3-1/2 (89)	59004	59019	59034
5 (127)	59009	59024	59039
6 (152)	59014	59029*	59044

**Tune-Up Kit: No. 96510** (page 267)

\*USA Government National Stock Number 5130015614875



Model  
59024



# Dynorbital-Spirit®

## Air-Powered Random Orbital Sander



**SANDING PADS**  
PAGE 230

**DROP-IN MOTORS**  
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**BALL-SWIVEL PLUG**  
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PAGE 222

### Lightweight Sander with "D3" Advantages!

#### Auto-Recess Throttle Lever

Lever recesses into housing grip when depressed, eliminating pressure-point on operator's palm. Lever is made from composite material to insulate against cold air. Lever is color-coded to identify tool orbit (see page 154).

#### Compact Grip Size

Compact, ergonomic design has been reduced in size by 5%. Ideal for operators with smaller hands, and use in vertical applications!

#### Single-Piece Locking Ring

Allows easier assembly and provides tighter seal.

#### Comfort Platform

**U.S. Patent No. D610,428**

Provides additional hand and wrist support, enhancing operator comfort. Also offers protection against cold air exhaust.

**FOR ABRASIVE DISCS**  
3" (76 mm), 3-1/2" (89 mm),  
5" (127 mm) and 6" (152 mm) dia.  
*SEE PAGE 275*

#### ONE-HAND Speed Control

New Speed Control dial allows "thumb control" regulating of tool speed.

#### Perfectly Balanced Sanding Pad

**Ask for the ORANGE!**

Perfectly balanced, weight-mated sanding pad with exclusive **single-piece hub design**. Dynabrade premium urethane pads offer smoother operating performance and minimal vibration.

#### FOUR Diameters:

3" (76 mm) – 75 grams  
3-1/2" (89 mm) – 80 grams  
5" (127 mm) – 100 grams  
6" (152 mm) – 130 grams

### Dynorbital-Spirit® Models

Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
59000	Non-Vac	3-1/2 (89)	3/8 (10)	81 dB(A)	1.4 (.6)	6 (152)
59005	Non-Vac	5 (127)	3/8 (10)	81 dB(A)	1.5 (.7)	6-1/2 (165)
59010	Non-Vac	6 (152)	3/8 (10)	82 dB(A)	1.6 (.7)	7 (178)
59015	Non-Vac	3-1/2 (89)	3/16 (5)	80 dB(A)	1.4 (.6)	6 (152)
59020	Non-Vac	5 (127)	3/16 (5)	80 dB(A)	1.4 (.6)	6-1/2 (165)
59025	Non-Vac	6 (152)	3/16 (5)	81 dB(A)	1.5 (.7)	7 (178)
59030	Non-Vac	3-1/2 (89)	3/32 (2.5)	81 dB(A)	1.4 (.6)	6 (152)
59035	Non-Vac	5 (127)	3/32 (2.5)	81 dB(A)	1.4 (.6)	6-1/2 (165)
59040	Non-Vac	6 (152)	3/32 (2.5)	82 dB(A)	1.5 (.6)	7 (178)
59100	Non-Vac	3 (76)	3/8 (10)	79 dB(A)	1.4 (.6)	6 (152)
59105	Non-Vac	3 (76)	3/16 (5)	79 dB(A)	1.4 (.6)	6-1/2 (165)
59110	Non-Vac	3 (76)	3/32 (2.5)	81 dB(A)	1.3 (.6)	7 (178)
59003	Self-Gen	3-1/2 (89)	3/8 (10)	82 dB(A)	1.5 (.7)	8-1/2 (216)
59008	Self-Gen	5 (127)	3/8 (10)	82 dB(A)	1.6 (.7)	8-1/2 (216)
59013	Self-Gen	6 (152)	3/8 (10)	85 dB(A)	1.7 (.7)	9 (229)
59018	Self-Gen	3-1/2 (89)	3/16 (5)	85 dB(A)	1.4 (.6)	8-1/2 (216)
59023/58054	Self-Gen	5 (127)	3/16 (5)	82 dB(A)	1.5 (.7)	8-1/2 (216)
59028	Self-Gen	6 (152)	3/16 (5)	85 dB(A)	1.6 (.7)	9 (229)

Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
59033	Self-Gen	3-1/2 (89)	3/32 (2.5)	82 dB(A)	1.4 (.6)	8-1/2 (216)
59038	Self-Gen	5 (127)	3/32 (2.5)	81 dB(A)	1.5 (.6)	8-1/2 (216)
59043	Self-Gen	6 (152)	3/32 (2.5)	86 dB(A)	1.5 (.7)	9 (229)
59103	Self-Gen	3 (76)	3/8 (10)	84 dB(A)	1.5 (.7)	8-1/2 (216)
59108	Self-Gen	3 (76)	3/16 (5)	83 dB(A)	1.4 (.6)	8-1/2 (216)
59113	Self-Gen	3 (76)	3/32 (2.5)	85 dB(A)	1.4 (.6)	9 (229)
59004	Central	3-1/2 (89)	3/8 (10)	79 dB(A)	1.5 (.7)	7 (178)
59009	Central	5 (127)	3/8 (10)	83 dB(A)	1.5 (.7)	7-1/4 (184)
59014	Central	6 (152)	3/8 (10)	84 dB(A)	1.6 (.7)	7-3/4 (197)
59019	Central	3-1/2 (89)	3/16 (5)	83 dB(A)	1.4 (.6)	7 (178)
59024	Central	5 (127)	3/16 (5)	81 dB(A)	1.5 (.6)	7-1/4 (184)
59029	Central	6 (152)	3/16 (5)	83 dB(A)	1.6 (.7)	7-3/4 (197)
59034	Central	3-1/2 (89)	3/32 (2.5)	81 dB(A)	1.4 (.6)	7 (178)
59039	Central	5 (127)	3/32 (2.5)	83 dB(A)	1.4 (.6)	7-1/4 (184)
59044	Central	6 (152)	3/32 (2.5)	80 dB(A)	1.5 (.7)	7-3/4 (197)
59104	Central	3 (76)	3/8 (10)	79 dB(A)	1.5 (.6)	7 (178)
59109	Central	3 (76)	3/16 (5)	83 dB(A)	1.4 (.6)	7-1/4 (184)
59114	Central	3 (76)	3/32 (2.5)	84 dB(A)	1.4 (.6)	7-3/4 (197)

**Additional Specifications:** Motor .25 hp (186 W) • Motor 12,000 RPM • Pad Thread 5/16"-24 Male • Air Inlet Thread 1/4" NPT  
Hose I.D. Size 1/4" (6 mm) • Air Flow Rate 14 SCFM/396 L/Min • Height 3-1/2" (89 mm) • Air Pressure 90 PSIG (6.2 Bar)  
Sound Level is the pressure measurement according to the method outlined in ISO regulation ISO-15744

# HiVac Dynorbital-Spirit®

## Air-Powered 3" Diameter Random Orbital Sander



**DROP-IN MOTORS**  
PAGE 265

**BALL-SWIVEL PLUG**  
PAGE 223

### Small Tool with Big Power & Vacuum Capability

- 3" diameter HiVac Dynorbital-Spirit® efficiently vacuums through 6-hole sanding pad and unique shroud design.
- Sanding pad is weight-mated to tool, ensuring low vibration and smooth finishes.
- Tool weight of 1.3 pounds (0.6 kg) minimizes operator fatigue.
- Innovative design protects double row balancer bearing from sanding residue for longer tool life.
- Unique motor seal protects front motor bearing from contaminants while maintaining bearing lubrication.



**3/32"**  
(2.5 mm)  
Dia. Orbit

For Ultra-Fine Sanding



56142 Vacuum Pad  
(All HiVac Models)

### Self-Generated Vacuum

- Vacuums directly through the tool's exhaust, with 1" (25 mm) vacuum port connected to optional portable dust collection system.
- Includes 56142 Vacuum Sanding Pad (6 holes, medium density Hook-Face).
- Pad accepts 3" (76 mm) diameter Hook-Face or mesh-style abrasive discs (sold separately).

### Model 59116 3/32" (2.5 mm) Orbit

Model 59115 with 3/16" (5 mm) orbit is also available.

Includes Comfort Platform  
(All models on page)



Portable Dust Collection System  
(Optional - See Page 219)

### Central Vacuum

- 1" (25 mm) vacuum port connects to an external vacuum source, such as a portable vacuum or central vac system.
- Includes 56142 Vacuum Sanding Pad (6 holes, medium density Hook-Face).
- Pad accepts 3" (76 mm) diameter Hook-Face or mesh-style abrasive discs (sold separately).

### Model 59118 3/32" (2.5 mm) Orbit

Model 59117 with 3/16" (5 mm) orbit is also available.



Model  
59118

Model Number	Orbit Dia. Inch (mm)	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Spindle Thread	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
59115	3/16 (5)	.25 (186)	12,000	81 dB(A)	14 (396)	5/16"-24 Female	1/4 (8)	1/4" NPT	1.3 (0.6)	7-3/4 (197)	3-3/4 (95)
59116	3/32 (2.5)	.25 (186)	12,000	81 dB(A)	14 (396)	5/16"-24 Female	1/4 (8)	1/4" NPT	1.3 (0.6)	7-3/4 (197)	3-3/4 (95)
59117	3/16 (5)	.25 (186)	12,000	79 dB(A)	14 (396)	5/16"-24 Female	1/4 (8)	1/4" NPT	1.3 (0.6)	6-1/2 (166)	3-3/4 (95)
59118	3/32 (2.5)	.25 (186)	12,000	79 dB(A)	14 (396)	5/16"-24 Female	1/4 (8)	1/4" NPT	1.3 (0.6)	6-1/2 (166)	3-3/4 (95)

Tune-Up Kit: No. 96510 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# “Swirl-Free Checklist”

## For Dynabrade Random Orbital Sanders

### Equipment Check:

#### Random Orbital Sander

- ☐ **90 PSIG (6.2 Bar) is the required operating air supply pressure.** Check the air pressure at the sander while it is running. Note: Promote the use of Dynabrade maximum flow plugs and couplers to ensure proper airflow.
- ☐ **Confirm that the tool is running at the rated “Free Speed” RPM.** On an average a 10,000 RPM non-vacuum sander will run at 9,500 RPM; a 12,000 RPM non-vacuum sander will run at 11,500 RPM. A vacuum sander normally runs slightly slower.
- ☐ **Inspect the balancer bearing (pad bearing).** Remove the back-up pad and rotate the balancer bearing shaft while holding the counterbalance stationary. The balancer shaft should turn freely.



#### Back-Up Pad

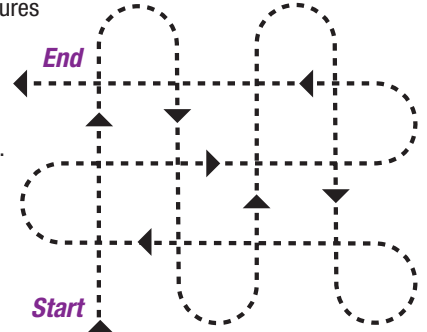
- ☐ **Inspect the face of the sanding pad.** The pad must be flat and smooth, without any defects. Check if they are using a Dynabrade back-up pad that is “weight-mated” to the sander. Using another pad can make the sander vibrate excessively and lead to an unacceptable finish.

### Sanding Techniques:

- ☐ **Always START the sander ON the surface, and STOP the sander OFF the surface.**
- ☐ **When sanding keep the sander, and pad FLAT on the surface.** Important: Do not exert heavy downward force on the sander. Apply enough downward force to keep the back-up pad and abrasive flat on the surface allowing the back-up pad to orbit freely over the surface.

### Sanding Techniques (Continued)

- ☐ **Follow a set pattern when sanding.** It is suggested to pass over the surface following a “North, South, East, West” pattern (see below), overlapping each pass 1/4 the diameter of the back-up pad and abrasive. This insures that the previous scratches are removed and that a uniform finish is achieved. Two “patterns” per sanding step are recommended.



- ☐ **Frequently inspect abrasive for tears, folds, or build-up.** When changing abrasive to proceed to the next sanding step, first inspect the condition of the abrasive that is on the sander. If any defects are noticed in that abrasive, remove it and install another piece of the same grain and sand the work surface again before proceeding on to the next sanding step.
- ☐ **Always clear away sanding dust and abrasive debris before progressing to the next sanding step with a finer “grit” abrasive.**

## Two-Hand Dynorbital®

### Air-Powered Random Orbital Sander



**SANDING PADS**  
PAGE 230

**ACCESSORIES**  
PAGE 222

### For Comfortable, Controlled Two-Hand Operation

#### Model 57101 Low Profile Model

- Unique low profile two-hand model is weight-mated to 5" diameter sanding pad.
- 56106 Non-Vacuum, vinyl-face pad included.
- Also includes convenient 97166 Hanger.
- A versatile, lightweight two-hand random orbital sander.



**3/16"**  
(5 mm)  
Dia. Orbit  
*For General Sanding*

**FOR ABRASIVE DISCS**  
5" (127 mm) diameter  
SEE PAGE 275

Model Number	Motor hp (W)	Motor RPM	Orbit Dia. Inch (mm)	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
57101	.2 (149)	12,000	3/16 (5)	5 (127)	76 d(B)A	28 (793)	3/8 (10)	1/4" NPT	2.1 (.98)	8-5/16 (211)	3-3/4 (96)

**Tune-Up Kit: No. 96537** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# Two-Hand Dynorbital®

## Air-Powered Random Orbital Sander

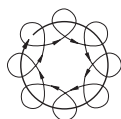


**SANDING PADS**  
PAGE 230

**BALL-SWIVEL PLUG**  
PAGE 223

### Comfortable, Controlled Two-Hand Operation

- Long handle allows excellent comfort and control, especially when working on vertical sides of workpiece. Provides longer reach!
- Includes low profile premium urethane weight-mated sanding pad.
- 5" and 6" models are 12,000 RPM. Pads have 5/16"-24 male thread.
- 8" models are 10,000 RPM. Pads mount with 5 screws.
- Choose from two diameter orbits:



**3/16"**  
(5 mm)  
Dia. Orbit

For General Sanding

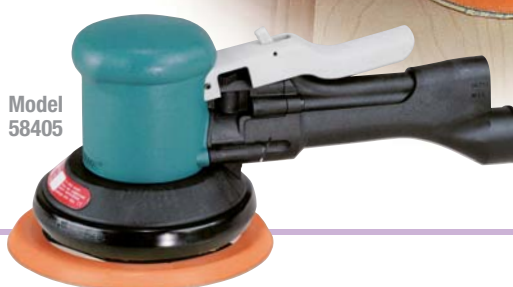


**3/8"**  
(10 mm)  
Dia. Orbit

For Aggressive Sanding

### Non-Vacuum

Pad Diameter Inch (mm)	3/16" (5 mm) Orbit Models	3/8" (10 mm) Orbit Models
5 (127)	58400	58415
6 (152)	58405	58418
8 (203)	58410	—



Model 58405

### Self-Generated Vacuum

- Self-generated vacuum models are ready for connection to optional portable dust collection system (50617 shown).
- Vacuum port accepts 1-1/4" diameter hose cuff for increased vacuum flow (no overskirt shroud is included).
- Not recommended for use with external or central vacuum system.

Pad Diameter Inch (mm)	3/16" (5 mm) Orbit Models	3/8" (10 mm) Orbit Models
5 (127)	58401	58416
6 (152)	58406	58419
8 (203)	58411	—



Model 58406

Portable Dust  
Collection System  
(Optional - See  
Page 219)

### Central Vacuum

- Ready for connection to external or central vacuum system.
- All models include combination lip seal/overskirt shroud, which offers enhanced vacuum capability and greater workpiece visibility.
- 6" diameter models include 1" outside diameter vacuum port.
- 8" diameter model includes 2" outside diameter vacuum port.

Pad Diameter Inch (mm)	3/16" (5 mm) Orbit Models	3/8" (10 mm) Orbit Models
6 (152)	58409	58420
8 (203)	58414	—



Model 58414

2" Dia.  
Vacuum Port  
(58414 Only)

Model Number	Motor hp (W)	Motor RPM	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
58400/58415	.45 (336)	12,000	5 (127)	82 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.5 (1.2)	11-1/16 (280)	4-15/16 (126)
58401/58416	.45 (336)	12,000	5 (127)	84 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.5 (1.1)	11-1/16 (280)	4-15/16 (126)
58405/58418	.45 (336)	12,000	6 (152)	81 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.6 (1.2)	11-3/8 (288)	4-15/16 (126)
58406/58419	.45 (336)	12,000	6 (152)	84 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.5 (1.2)	11-3/8 (288)	4-15/16 (126)
58409/58420	.45 (336)	12,000	6 (152)	84 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.7 (1.2)	11-3/8 (288)	4-15/16 (126)
58410	.45 (336)	10,000	8 (203)	82 dB(A)	23 (651)	1/4 (6)	1/4" NPT	4.0 (1.8)	12-1/2 (319)	5-5/8 (142)
58411	.45 (336)	10,000	8 (203)	85 dB(A)	23 (651)	1/4 (6)	1/4" NPT	4.0 (1.8)	12-1/2 (319)	5-5/8 (142)
58414	.45 (336)	10,000	8 (203)	85 dB(A)	23 (651)	1/4 (6)	1/4" NPT	4.2 (1.9)	12-1/2 (319)	5-5/8 (142)

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar) • Thread 5/16"-24 Female • 8" models mount with 5 screws

Tune-Up Kit: 5", 6" Models: No. 98220; 8" Models: No. 98221 (page 267)

# 11" Diameter Dynorbital®

## Air-Powered & Electric Random Orbital Sanders



**SANDING PADS**  
PAGE 235

**ACCESSORIES**  
PAGE 222

### Cover More Area in Less Time!

- Proportionate 3/4" dia. orbit in relation to pad size assures swirl-free finish on a variety of surfaces.
- All models include 56231 Hook-Face sanding pad for abrasive discs 11-1/4" in diameter. Pad is weight-mated to tool, further reducing tool vibration levels.
- Tools include reversible Side Handle (18553), which adds to operator comfort.



**3/4"**  
(19 mm)  
Dia. Orbit

*Achieve a Swirl-Free Finish*

**FOR ABRASIVE DISCS**  
11" (280 mm) diameter  
SEE PAGE 276



Model  
58485

### Air-Powered Models

- Powerful .7 hp air motor (2,500 RPM) offers power and efficiency.

#### Model 58480 Non-Vacuum

- For use with optional non-vacuum abrasive discs. Abrasive disc covers pad holes, for non-vacuum use.



Model  
58480

#### Model 58485 Central Vacuum

- For use with optional "O" style abrasive discs, which allow dust to be drawn up through pad holes.
- Vacuum shroud has 1-1/4" outside diameter port, for connection to external or central vacuum system.



Model  
58485

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
58480	.7 (522)	2,500	83 dB(A)	27 (765)	3/8 (10)	1/4" NPT	90 (6.2)	8.3 (3.7)	17 (432)	6 (152)
58485	.7 (522)	2,500	83 dB(A)	27 (765)	3/8 (10)	1/4" NPT	90 (6.2)	9.1 (4.1)	17 (432)	6 (152)

Tune-Up Kit: No. 98224 (page 267)

### Electric Models

- Powerful 1.8 hp (1342 W), variable speed (0-3,000 RPM), 120 V (AC) 11 Amp electric motor offers power and efficiency. Proportionate 3/4" (19 mm) dia. orbit in relation to pad size assures swirl-free finish on a variety of surfaces. Tool has 5/8"-11 Spindle Thread.
- Double-insulated (Class II) housing, 8 ft. (2.44 m) flexible cord, and built-in tool rest.
- Includes 11" dia. x 1/2" thick Hook-Face Backing Pad (56231). Premium foam pad mounts with 5 screws.



Model  
51583

#### Model 51582 Non-Vacuum

120 V (AC)

#### Model 51583 Central Vacuum

- Ready to be attached to a central vacuum system.

Model Number	Motor RPM	Max. Motor hp (W)	Voltage	Current	Phase	Frequency	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51582	0 - 3,000	1.8 (1,342)	120 V (AC)	11 Amp	1	60 Hz	11.8 (5.35)	21 (533)	7 (178)
51583	0 - 3,000	1.8 (1,342)	120 V (AC)	11 Amp	1	60 Hz	11.8 (5.35)	21 (533)	7 (178)

# Palm-Style Mini-Dynorbital®

## Air-Powered Random Orbital Sanders



**SANDING PADS**  
PAGE 241

**ACCESSORIES**  
PAGE 222

*Excellent for Repairing Minor Surface Defects on Clearcoat.  
Random Orbital Action Achieves Ultra-Smooth Finishes!*

**FOR ABRASIVE DISCS**  
3/4" (19 mm) and  
1-1/4" (32 mm) diameter  
SEE PAGE 276

### Supreme-Style Models

- Each model includes 54034 Sanding Head (accepts sanding pads with 1-1/4"-20 female thread.)

#### Model 57500 5,000 RPM

- Includes 3/4" dia. pad (54017) and 1-1/4" dia. pad (54018) with sample micro-finishing film abrasive discs. Confines sanding to smallest possible area.

#### Model 57504 7,500 RPM

- Includes 1-1/4" dia. pad (54018).



Model 57500

Model 57503



(All models on page)

### Supreme-Style Models

- Each model includes 54035 Sanding Head (accepts sanding pads with male locking-type threads).
- Each model includes 1-1/4" dia. locking-type Sanding Pad (54037).

#### Model 57503 5,000 RPM

- Used as part of Dynabrade "Two-Step" Polishing System, by automobile original equipment manufacturers (OEM's). See page 116.

#### Model 57502 7,500 RPM

Model Number	Motor hp (W)	Motor RPM	Orbit Dia. Inch (mm)	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
57500	.05 (37)	5,000	3/16 (5)	3/4 (19), 1-1/4 (32)	69 dB(A)	6 (170)	1/4 (6)	1/4" NPT	1.7 (0.8)	5 (127)	3-5/8 (92)
57502	.08 (60)	7,500	3/16 (5)	1-1/4 (32)	75 dB(A)	6 (170)	1/4 (6)	1/4" NPT	1.7 (0.8)	5 (127)	3-5/8 (92)
57503	.05 (37)	5,000	3/16 (5)	1-1/4 (32)	69 dB(A)	6 (170)	1/4 (6)	1/4" NPT	1.7 (0.8)	5 (127)	3-5/8 (92)
57504	.08 (60)	7,500	3/16 (5)	3/4 (19), 1-1/4 (32)	74 dB(A)	6 (170)	1/4 (6)	1/4" NPT	1.7 (0.8)	5 (127)	3-5/8 (92)

**Tune-Up Kit: No. 96109** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar) • Tool Thread 1/4"-20 Male

### Silver Supreme-Style Models

- Ideal for repairing dust nibs and minor surface defects, while offering "Silver Supreme" design innovations!
- Comfort Platform (U.S. Patent no. D610,428) provides additional hand and wrist support.
- Tool height reduced by 20%, and tool weight of only 1.3 lbs (0.6 kg)!
- Convenient, non-marring hanger bracket for easy tool storage.

#### Model 69500 5,000 RPM

- Includes 54018 pad, 1/4"-20 thread.

#### Model 69503 5,000 RPM

- Includes 54037 locking-type pad.

#### Model 69502 7,500 RPM

- Includes 54037 locking-type pad.

#### Model 69504 7,500 RPM

- Includes 54018 pad, 1/4"-20 thread.



Model 69502

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Tool Thread	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
69500	.03 (23)	5,000	70 dB(A)	5 (153)	1/4"-20	1/4 (6)	1/4" NPT	1.3 (.6)	6 (152)	3-5/16 (84)
69502	.08 (60)	7,500	75 dB(A)	6 (170)	Locking	1/4 (6)	1/4" NPT	1.3 (.6)	6 (152)	3-5/16 (84)
69503	.03 (23)	5,000	70 dB(A)	5 (153)	Locking	1/4 (6)	1/4" NPT	1.3 (.6)	6 (152)	3-5/16 (84)
69504	.08 (60)	7,500	75 dB(A)	6 (170)	1/4"-20	1/4 (6)	1/4" NPT	1.3 (.6)	6 (152)	3-5/16 (84)

**Tune-Up Kit: No. 96127** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# 7° Offset Mini-Dynorbital®

## Air-Powered Random Orbital Sander



**SANDING PADS**  
PAGE 241

**DYNASWIVEL®**  
PAGE 223

### Excellent for Repairing Dust Nibs on Clearcoat

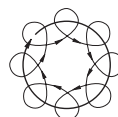
- Ideal for finesse sanding.
- Optional side handle available. Order 13141 Handle/Collar Assembly.

**FOR ABRASIVE DISCS**  
3/4" (19 mm) and  
1-1/4" (32 mm) diameter  
SEE PAGE 276

#### Model 51410 3,200 RPM

#### Model 51412 5,000 RPM

- Includes 54034 Sanding Head (accepts 3" and smaller diameter sanding pads with 1/4"-20 female thread).
- Includes 54018 Pad (1-1/4" diameter) "medium" density, with sample adhesive-backed 9-micron micro-finishing film discs. Pad has 1/4"-20 female thread which mounts to tool's sanding head.



**3/16"**  
(5 mm)  
Dia. Orbit

(All models on page)

Model  
51410

#### Model 51411 3,200 RPM

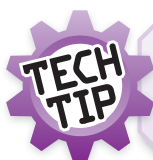
- Includes 54035 Sanding Head (accepts 3" and smaller dia. sanding pads with male locking-type threads).
- Includes 54037 "soft" density, male locking-type pad (1-1/4" diameter), which accepts adhesive-backed micro-finishing film discs.



Model  
51411

#### 51415 Versatility Kit *Four Tools In One!*

- Two Mini-Random Orbital Sanders, 1/4" Die Grinder and 3-1/2" Disc Sander.
- Includes: 3,200 RPM air tool; 54034 and 54035 Random Orbital Sanding Heads; assortment of sanding pads for adhesive-backed discs, 50010 Collet, 50126 Backup Pad, assortment of abrasives and wrenches.



The 51415 Versatility Kit provides the flexibility of two Mini-Random Orbital Sanders, 1/4" Die Grinder and a 3-1/2" Disc Sander.



Model 51415

50010

54035  
54037

54018

54034

50126

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51410	.4 (298)	3,200	75 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.8 (.8)	8 (203)	5-1/2 (140)
51411	.4 (298)	3,200	75 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.8 (.8)	8 (203)	5-1/2 (140)
51412	.4 (298)	5,000	75 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.8 (.8)	8 (203)	5-1/2 (140)

**Tune-Up Kit: No. 96174** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Angle-Head Mini-Dynorbital®

## Air-Powered Random Orbital Sander



**SANDING PADS**  
PAGE 241

**COUPLER/PLUG**  
PAGE 223

**NEW!**

### Excellent for Repairing Dust Nibs on Clearcoat

- Built-in speed regulator, extended rear exhaust muffler, safety-lock lever included.
- Governor-controlled motor maintains speed under load.
- Sample 9-micron micro-finishing film discs are included.
- Optional 54585 Side Handle Assembly available.

**FOR ABRASIVE DISCS**  
3/4" (19 mm) and  
1-1/4" (32 mm) diameter  
SEE PAGE 276



Model  
49400

### Model 49400 3,200 RPM

- 54028 Random Orbital Sanding Head accepts sanding pads with 1/4"-20 female thread.
- Includes 1-1/4" dia. medium density pad (54018), which has 1/4"-20 female thread and mounts to sanding head.

### Model 49401 3,200 RPM

- 54029 Random Orbital Sanding Head accepts male locking-type pads.
- Includes 1-1/4" dia. soft density locking-type pad (54031), which has male locking-type thread and mounts to sanding head.



Model  
49401

**3/16"**  
(5 mm)  
Dia. Orbit

(All models on page)

Angle-Head Mini-Dynorbital® can be used  
with Dynabrade Sanding Creme and Glaze.

### 49402 Angle-Head Versatility Kit

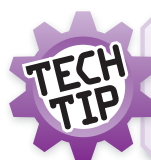
- Includes: 3,200 RPM air tool (not shown), 54028 Random Orbital Sanding Head, 54018 Sanding Pad, 54029 Random Orbital Sanding Head, 54031 Sanding Pad, 50107 Sanding Pad, 54021 Adapter, sample 2" dia. sanding discs, 54030 Locking-Type Rotary Sanding Head, 50055 Collet (1/4").
- Not shown: Abrasives – 3/4" and 1-1/4" dia. 9-micron (1000-grit) micro-finishing film discs; assorted wrenches.
- Tool also accepts 1/4"-28 threaded drill bits (not included).



Model  
49402

### 49403 Sander/Buffer Versatility Kit

- Includes: 3,200 RPM air tool, 54028 Random Orbital Sanding Head, 50120 Hook 'n Loop Pad for Bonnets, 54018 Sanding Pad, 54021 Adapter, 90028 Wool Bonnet, assorted wrenches, 90027 Terry Cloth Bonnet, 95723 Finesse Sanding Creme, 95727 Dynabrade Glaze, 54017 Sanding Pad and sample abrasives.



Dynaswivel® air line connector is ideal for use with most air tools. It improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 223.)



Model  
49403

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
49400	.4 (298)	3,200	80 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (.9)	12.4 (316)	3 (77)
49401	.4 (298)	3,200	80 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (.9)	12.4 (316)	2.9 (74)

**Tune-Up Kit: No. 96541** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Right Angle Mini-Dynorbital®

## Air-Powered Random Orbital Sander



**SANDING PADS**  
PAGE 241

**ACCESSORIES**  
PAGE 222

### Ideal for Simple Spot Repair on Painted Surfaces

- Built-in speed regulator, rear exhaust muffler, lever throttle.
- Heavy duty gear head.
- Includes sample 9-micron micro-finishing film discs.

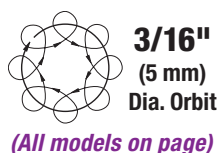
**FOR ABRASIVE DISCS**  
3/4" (19 mm) and  
1-1/4" (32 mm) diameter  
SEE PAGE 276

#### Model 53415 3,200 RPM

- Includes 54029 Sanding Head (accepts 3" and smaller dia. sanding pads with male locking-type threads).
- Includes 54037 soft density male locking-type pad, which accepts adhesive-backed micro-finishing film discs.

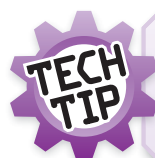
#### Model 53417 3,200 RPM

- 54028 Random Orbital Sanding Head accepts sanding pads with 1/4"-20 female thread.
- Includes 1-1/4" dia. medium density locking-type pad (54018), which has 1/4"-20 female thread which mounts to sanding head.



### 53465 Sander/Buffer Versatility Kit

- All that is needed for quick, simple spot repair on a variety of surfaces.
- Includes: Model 53417 Air Tool (3,200 RPM) with 54028 Random Orbital Sanding Head; 54021 Adapter (1/4"-28 to 1/4"-20 male); 54017 Vinyl Sanding Pad (3/4" dia.) 54018 Vinyl Sanding Pad (1-1/4" dia.); 50120 Hook-Face Pad (3" dia.); 90027 Terry Cloth Bonnet (3" dia.); 90028 Wool Buffing Pad (3" dia.); 95727 Dynabrade Glaze; 95723 Finesse Sanding Creme; 95848 Gear Oil; 95542 Grease; two 95541 Grease Guns; 95262 Wrench (14 mm); 95281 Wrench (19 mm); and sample abrasives.



Dynaswivel® air line connector is ideal for use with most air tools. It improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 223.)



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53415	.4 (298)	3,200	82 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-28 Male	1.9 (.9)	7 (289)	2-3/4 (70)
53417	.4 (298)	3,200	81 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-28 Male	1.9 (.9)	7 (289)	2-3/4 (70)

**Tune-Up Kit: No. 96179** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# Dynabrade Systems & Solutions

For Random Orbital Sanders – Suggested Tool/Accessory Combinations



TOOL	ABRASIVE	ACCESSORIES	
<b>Dynorbital® Supreme</b> <b>Model 56815</b> <i>Palm Style, Non-Vacuum</i> <b>12,000 RPM</b> <i>Page 148</i> 	<b>5" Dia. Abrasive Discs</b> <b>Non-Vacuum</b> <i>Page 275</i> 	<b>5" Dia. Backup Pad</b> <b>56106</b> <i>Non-Vacuum</i> <i>Page 230</i> 	<b>Ball-Swivel Plug</b> <b>97016</b> <i>Page 223</i> 
<b>Dynorbital® Silver Supreme</b> <b>Model 69024</b> <i>Palm Style, Central Vacuum</i> <b>12,000 RPM</b> <i>Page 152</i> 	<b>5" Dia. Abrasive Discs</b> <b>Vacuum</b> <i>Page 275</i> 	<b>5" Dia. Backup Pad</b> <b>56320</b> <i>Vacuum</i> <i>Page 231</i> 	<b>Drop-In Motor</b> <b>69457</b> <i>Page 265</i> 
<b>Dynorbital® Silver Supreme</b> <b>Model 69028</b> <i>Palm Style, Self-Generated Vacuum</i> <b>12,000 RPM</b> <i>Page 152</i> 	<b>6" Dia. Abrasive Discs</b> <b>Vacuum</b> <i>Page 275</i> 	<b>6" Dia. Backup Pad</b> <b>56260</b> <i>Channel Vacuum</i> <i>Page 231</i> 	<b>Dust Collection System</b> <b>50617</b> <i>Page 219</i> 
<b>Dynorbital-Spirit®</b> <b>Model 59020</b> <i>Palm Style, Non-Vacuum</i> <b>12,000 RPM</b> <i>Page 154</i> 	<b>5" Dia. Abrasive Discs</b> <b>Non-Vacuum</b> <i>Page 275</i> 	<b>5" Dia. Backup Pad</b> <b>56106</b> <i>Non-Vacuum</i> <i>Page 230</i> 	<b>5" Dia. Interface Pad</b> <b>53978</b> <i>Page 238</i> 
<b>Two-Hand Dynorbital® Sander</b> <b>Model 58405</b> <i>Two-Hand, 12,000 RPM</i> <i>Page 158</i> 	<b>6" Dia. Abrasive Discs</b> <b>Non-Vacuum</b> <i>Page 275</i> 	<b>6" Dia. Backup Pad</b> <b>56107</b> <i>Non-Vacuum</i> <i>Page 230</i> 	<b>DynaJet Blow Gun</b> <b>94467</b> <i>Page 224</i> 

## ESSENTIAL ACCESSORIES

### Metal Capture Downdraft Station

**64350** *Page 208*



### Air Lube (10W/NR)

**95842** *Page 254*



### Dynüba 100

**60005**  
*Page 254*



### Dynüba 26

**60020**  
*Page 254*



### Dynaswivel®

**94300**  
*Page 223*



### Coupler/Plug Assemblies

**95676, 97572**  
*Page 228*



### Filter-Regulator-Lubricator

**10681**  
*Page 224*



### Air Hose Assemblies

**94863, 94852, 94892**  
*Page 225*

