



# ***RANDOM ORBITAL SANDERS***

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**RANDOM ORBITAL SANDERS**



# Dynorbital® Supreme

## Air-Powered Random Orbital Sander



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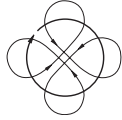
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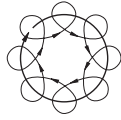
### Setting the Standard for Random Orbital Supremacy!

- 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

RANDOM ORBITAL SANDERS



# Dynorbital® Supreme

## Air-Powered Random Orbital Sander



**SANDING PADS**  
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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!**

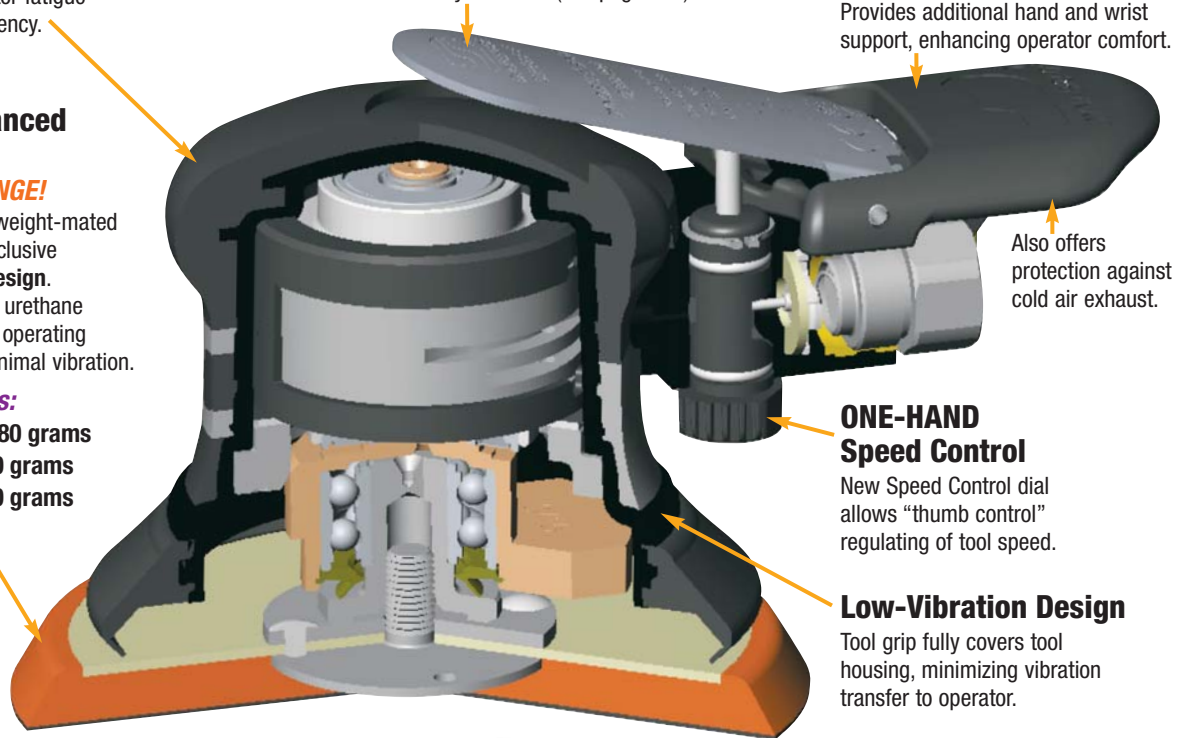
Perfectly-balanced, weight-mated sanding pad with exclusive **single-piece hub design**. Dynabrade premium urethane pads offer smoother operating performance and minimal vibration.

#### THREE Diameters:

3-1/2" (89 mm) – 80 grams

5" (127 mm) – 100 grams

6" (152 mm) – 130 grams



Also offers protection against cold air exhaust.

#### 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<sup>®</sup> Supreme

## Air-Powered Random Orbital Sander



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**ACCESSORIES**  
PAGE 222

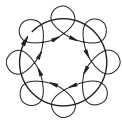
### For Polishing and Finishing Flats and Sides

- 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

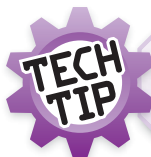
- Includes 54325 Hook-Face Pad.

#### 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.

RANDOM ORBITAL SANDERS

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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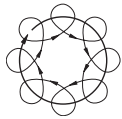
**ACCESSORIES**  
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*For Polishing and Finishing Flats and Sides*

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

### 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



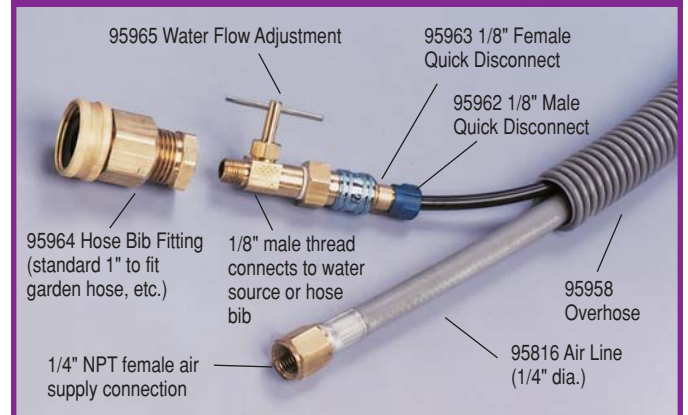
Model 57575

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-Spirit®

## Air-Powered Random Orbital Sander



**SANDING PADS**  
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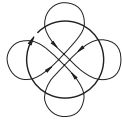
**BALL-SWIVEL PLUG**  
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**DROP-IN MOTORS**  
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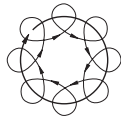
### Lightweight Sander with "D3" Advantages!

- 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

### 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).

### 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

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



Model  
59013



Model  
59020

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



Model  
59023

Portable Dust Collection System  
(Optional - See Page 219)



Model  
59024



# Dynorbital-Spirit®

## Air-Powered Random Orbital Sander



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**DROP-IN MOTORS**  
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### Lightweight Sander with "D3" Advantages!

**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 154).

#### Comfort Platform

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

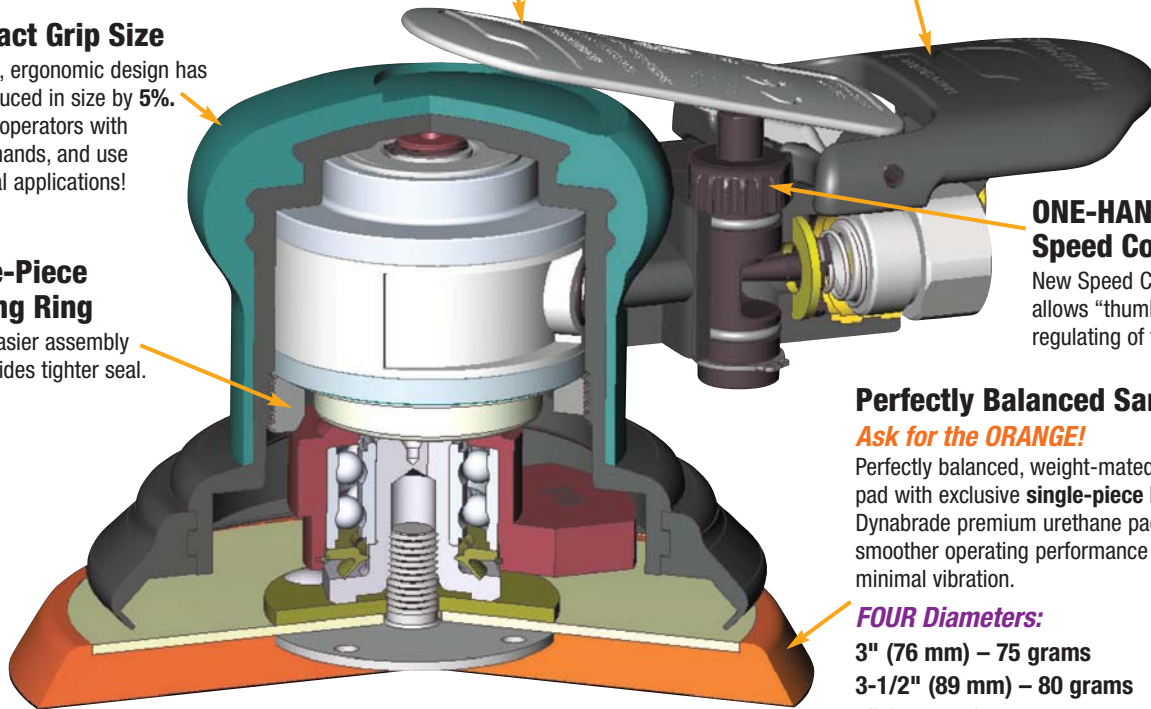
Provides additional hand and wrist support, enhancing operator comfort. Also offers protection against cold air exhaust.

#### 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.



#### 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

RANDOM ORBITAL SANDERS

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

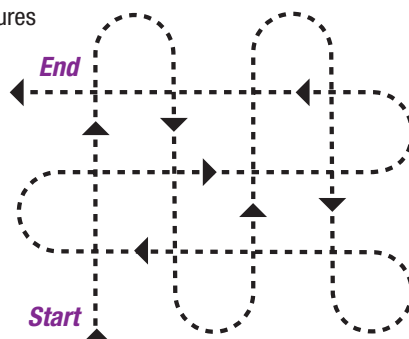
- Inspect the face of the sanding pad.** The pad must be flat and smooth, without any defects. Check if they are using a Dynabrade back-up pad that is “weight-mated” to the sander. Using another pad can make the sander vibrate excessively and lead to an unacceptable finish.

### 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*

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

### 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.



*For General Sanding*

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

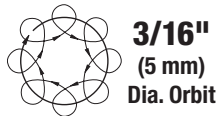


**SANDING PADS**  
PAGE 230

**BALL-SWIVEL PLUG**  
PAGE 223

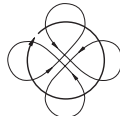
### Comfortable, Controlled Two-Hand Operation

- 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

**FOR ABRASIVE DISCS**  
5" (127 mm), 6" (152 mm)  
and 8" (203 mm) diameter  
SEE PAGE 275

### 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  
58416



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

1-1/4" Dia.  
Vacuum Port

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

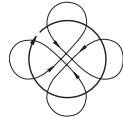


**SANDING PADS**  
PAGE 235

**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

#### 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 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

120 V (AC)

#### Model 51582 Non-Vacuum

#### 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)

RANDOM ORBITAL SANDERS

# 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.

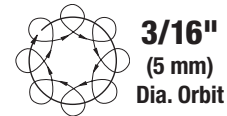
#### Model 57504 7,500 RPM

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



Model 57500

Model 57503



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

(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)*

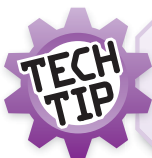
#### Model 51411 3,200 RPM

- 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.



#### 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 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)

RANDOM ORBITAL SANDERS



# Angle-Head Mini-Dynorbital®

## Air-Powered Random Orbital Sander



**SANDING PADS**  
PAGE 241

**COUPLER/PLUG**  
PAGE 223



*Excellent for Repairing Dust Nibs on Clearcoat*

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

- 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.



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

### 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.

**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.



Model 49403

**TECH TIP**

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.)

RANDOM ORBITAL SANDERS

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*

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

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

### 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

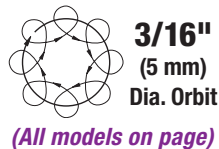
- 54028 Random Orbital Sanding Head accepts sanding pads with 1/4"-20 female thread.
- Includes 1-1/4" dia. medium density locking-type pad (54018), which has 1/4"-20 female thread which mounts to sanding head.



Model 53415



Model 53415

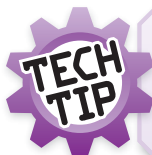


### 53465 Sander/Buffer Versatility Kit

- 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 Buffering 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.



Model 53465



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)

**RANDOM ORBITAL SANDERS**

# Dynabrade Systems & Solutions

For Random Orbital Sanders – Suggested Tool/Accessory Combinations



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

RANDOM ORBITAL SANDERS

## ESSENTIAL ACCESSORIES

<b>Metal Capture Downdraft Station</b> 64350 Page 208 	<b>Air Lube (10W/NR)</b> 95842 Page 254 	<b>Dynüba 100</b> 60005 Page 254 	<b>Dynaswivel®</b> 94300 Page 223 	<b>Filter-Regulator-Lubricator</b> 10681 Page 224 
		<b>Dynüba 26</b> 60020 Page 254 	<b>Coupler/Plug Assemblies</b> 95676, 97572 Page 228 	<b>Air Hose Assemblies</b> 94863, 94852, 94892 Page 225 





# ***GEAR-DRIVEN & FINISHING SANDERS***

DynaLocke® .....	166	Wet Dynabug® “Model T” Sander ..	174
Gear-Driven Sanders .....	168	Dynabug® Sander .....	175
11" Dia. Gear-Driven Sanders.....	169	Dynabug® II Sander.....	176
Dynafine® Detail Sander .....	170	Dynaline Sander .....	178
Dynafine® “Backsplash” Sander ....	171	11" File Board Sander .....	179
Dynafine® Finger Sander.....	172	Right Angle Denibber .....	180
Dynafine® Raised Panel Sander ....	172	<b><i>Systems &amp; Solutions</i></b> .....	181
Dynabug® “Model T” Sander .....	173		



**GEAR-DRIVEN & FINISHING SANDERS**

### Combination Rotary and Random Orbital Sander

- 12,000 RPM DynaLocke® is truly “two tools in one,” easily changing from a rotary Disc Sander to Random Orbital Sander with the flip of a switch.
- Ideal for metal applications; great on composite materials. Excellent for automotive work, such as paint stripping and blending. Also utilized for leveling glue seams on Corian® and other solid surfaces.
- Switch is recessed within tool grip to prevent accidental engaging.

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



**Rotary Motion**

*For Stripping and Blending*



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

*For Swirl-Free Finishes*



Model 58430

### Non-Vacuum

#### Model 58460 3" Diameter

- Includes 56087 Hook-Face Pad.

#### Model 58465 3-1/2" Diameter

- Includes 54313 Hook-Face Pad.

#### Model 58430 5" Diameter

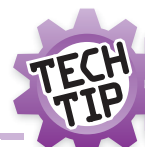
- Includes 54325 Hook-Face Pad.

#### Model 58435 6" Diameter

- Includes 54327 Hook-Face Pad.



Model 58430



Tool should be completely stopped before changing sanding action.

### Self-Generated Vacuum

- Self-Generated Vacuum models are ready for connection to optional portable dust collection system.
- Tool has 1-1/4" outside diameter vacuum port, allowing increased air flow.
- Designed to vacuum in random orbital mode only.

#### Model 58461 3" Diameter

- Includes 56087 Hook-Face Pad.

#### Model 58466 3-1/2" Diameter

- Includes 54313 Hook-Face Pad.

#### Model 58431 5" Diameter

- Includes 54326 Hook-Face Pad.

#### Model 58436 6" Diameter

- Includes 54328 Hook-Face Pad.



Model 58436

*See page 231 for Dynabrade High-Quality Sanding Pads!*

Portable Dust Collection System (Optional - See Page 219)

Corian is a trademark of DuPont

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)
58460	.45 (336)	12,000	3 (76)	81 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.35 (1.0)	10-5/16 (263)	5-3/8 (137)
58461	.45 (336)	12,000	3 (76)	86 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.35 (1.0)	10-5/16 (263)	5-3/8 (137)
58465	.45 (336)	12,000	3-1/2 (89)	80 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.35 (1.0)	10-5/16 (263)	5-3/8 (137)
58466	.45 (336)	12,000	3-1/2 (89)	85 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.35 (1.0)	10-5/16 (263)	5-3/8 (137)
58430	.45 (336)	12,000	5 (127)	82 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.7 (1.2)	11-1/16 (280)	5-1/8 (131)
58431	.45 (336)	12,000	5 (127)	82 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.6 (1.2)	11-1/16 (280)	5-1/8 (131)
58435	.45 (336)	12,000	6 (152)	82 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.8 (1.2)	11-1/2 (293)	5-1/8 (131)
58436	.45 (336)	12,000	6 (152)	85 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5/16"-24 Female	2.7 (1.2)	11-1/2 (293)	5-1/8 (131)

**Tune-Up Kit: No. 98220** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# 1.3 hp DynaLocke®

## Powerful Tool with DynaLocke® Head



**SANDING PADS**  
PAGE 231

**ACCESSORIES**  
PAGE 222

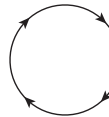
**52760 Tool includes 61318 DynaLocke® Head (with 54325 Hook-Face Pad)**

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

- 52760 tool's robust 1.3 hp (970 W) air motor is governor-controlled to deliver powerful, efficient performance. Combined with 61318 DynaLocke® Head, this tool easily switches from standard rotary mode to random orbital mode!
- Tool housing and handle made of solid cast aluminum.
- Adjustable throttle handle is insulated to reduce cold air transmission to operator's hand.
- Rotational exhaust system rotates a full 360° to direct exhaust away from operator.
- Safety-lock throttle lever is included, to prevent accidental start-up of tool.
- Tool includes vibration dampening side handle, adjustable for left or right hand use.
- "Wick Lube" system extends gear life with simple lubrication.
- Tool includes 95848 Gear Oil and 95541 Gear Oil Gun.

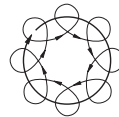


Model 52760



**Rotary Motion**

*For Stripping and Blending*



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

*For Swirl-Free Finishes*



95848 Gear Oil

95541 Gear Oil Gun

*Tool includes 54325 Hook-Face Backup Pad, 5" diameter, medium density (see page 231)*

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Spindle Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52760	1.3 (970)	12,000	81 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	5/8"-11	7 (3.2)	10-1/2 (267)	5-3/8 (136)

**Tune-Up Kit: No. 96100** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

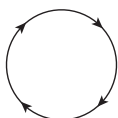
# DynaLocke® Head

## Converts Rotary Tool into DUAL-ACTION Sander!

### Two Sanding Actions!

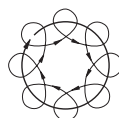
- 61318 DynaLocke® Head converts rotary tool (maximum 12,000 RPM) into a dual-action sander! Head easily switches from standard rotary mode to random orbital mode.
- A true time-saver in high-production workplaces! Countless applications for Metalworking (small weld removal, weld spatter and defect removal, blending scratches, paint preparation); Composites (defect removal, paint preparation, flash removal); and Solid Surface (leveling glue seams).
- Head includes 54325 Hook-Face Backup Pad, 5" diameter, medium density.

**NOTE: Use ONLY Hook-Face Abrasive Discs with 61318 DynaLocke® Head. Always change sanding modes with tool DISCONNECTED from power source.**



**Rotary Motion**

*For Stripping and Blending*



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

*For Swirl-Free Finishes*

**Convenient Switch Easily Changes Sanding Modes!**



61318 (5/8"-11 thread)



# Gear-Driven Sanders

Air-Powered, 5", 6" and 8" Diameters

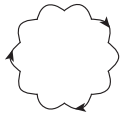


SANDING PADS  
PAGE 234

ACCESSORIES  
PAGE 222

## 900 RPM for Aggressive Removal Applications

- Unique epicycloidal sanding action allows aggressive removal of material.
- Applications include removal and leveling of large amounts of filler materials such as glue or epoxy; removing coatings. For use on materials including solid surfaces, wood and fiberglass.
- Ergonomically designed for low vibration and reduced sound levels.
- Excellent comfort and control, especially when working on vertical sides or large tabletops. Long handle allows for two-hand support of tool.



**Epicycloidal Motion**  
Gear-Driven Sanders  
(All models on page)

FOR ABRASIVE DISCS  
5" (127 mm), 6" (152 mm)  
and 8" (203 mm) dia.  
SEE PAGE 275



Model 58443

### Non-Vacuum

#### Model 58441 5" Diameter

- Includes 57760 Hook-Face Sanding Pad.

#### Model 58442 6" Diameter

- Includes 57762 Vinyl-Face Sanding Pad.

#### Model 58445 8" Diameter

- Includes 56234 Vinyl-Face Sanding Pad.

Model 58441



### Central Vacuum

- Central Vacuum models are designed for use with central vacuum system or external vacuum source.
- Includes combination lip-seal shroud/overskirt, which allows greater workpiece visibility and enhanced vacuum capability.
- Dust is extracted away from air motor (reducing contamination) for a smoother, easier path of extraction.
- Anti-clog design for efficient sanding of damp filler material.

#### Model 58443 6" Diameter

- Includes 57763 Vinyl-Face Sanding Pad (6 holes).
- Vacuum shroud has 1" outside diameter vacuum port.
- Accepts optional 57765 Hook-Face Pad.

#### Model 58444 6" Diameter

- Includes 57766 Hook-Face Sanding Pad (8 holes).
- Vacuum shroud has 1" outside diameter vacuum port.

#### Model 58446 8" Diameter

- Includes 56235 Vinyl-Face Sanding Pad (8 holes).
- Vacuum shroud has 2" outside diameter vacuum port.



Model 58443

1" Outside Dia. Vacuum Port



Model 58446

2" Outside Dia. Vacuum Port (58446 Only)

See page 231 for Dynabrade High-Quality Sanding Pads!

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)
58441	.45 (336)	900	5 (127)	80 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3.6 (1.7)	11-1/16 (281)	5-5/8 (143)
58442	.45 (336)	900	6 (152)	80 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3.6 (1.7)	11-1/2 (293)	5-5/8 (143)
58443	.45 (336)	900	6 (152)	81 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3.8 (1.7)	11-1/2 (293)	5-5/8 (143)
58444	.45 (336)	900	6 (152)	81 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3.8 (1.7)	11-1/2 (293)	5-5/8 (143)
58445	.45 (336)	900	8 (203)	82 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3.9 (1.8)	12-1/2 (319)	5-9/16 (142)
58446	.45 (336)	900	8 (203)	82 dB(A)	23 (651)	1/4 (6)	1/4" NPT	4.3 (2.0)	12-1/2 (319)	5-9/16 (142)

Tune-Up Kit: No. 98221 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Gear-Driven Sanders

## Air-Powered, 11" Diameter

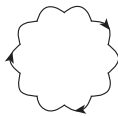


**SANDING PADS**  
PAGE 235

**ACCESSORIES**  
PAGE 222

### Cover More Area in Less Time!

- Powerful .45 hp air motor runs at 900 RPM, for aggressive material removal.
- Extra-large 11" sanding area allows operator to cover more area in less time, leveling substrates and removing filler material with ease and efficiency.
- Useful for fabricators of large solid surface pieces, composite materials and more.
- Unique "epicycloidal" pad motion generates torque-enhanced power, for consistent material removal.
- Tool features long handle design for easy two-handed control. Operator comfort is enhanced, especially when working in vertical positions.
- Includes weight-mated sanding pad for reduced vibration levels.
- Speed control lever is conveniently located for easy thumb adjustment.
- Insulated tool housing reduces cold air transmission to the hand.
- Safety-lock throttle lever prevents accidental start-up of tool.



**Epicycloidal Motion**  
Gear-Driven Sanders  
(All models on page)

### Non-Vacuum

#### Model 58040 11" Diameter

- For use with non-vacuum abrasive discs.
- Includes 56231 Hook-Face sanding pad, for abrasive discs 11-1/4" (286 mm) in diameter.

See page 235  
for Dynabrade  
High-Quality  
Sanding Pads!



Model 58041



Model 58040

### Central Vacuum

#### Model 58041 11" Diameter

- For use with "O" style abrasive discs, which allow dust to be drawn up through pad holes.
- Includes 56231 Hook-Face sanding pad, for abrasive discs 11-1/4" in diameter.
- Vacuum shroud has 1-1/4" diameter port, for connection to external vacuum system.



Model 58041



11" Gear-Driven Sanders each include 56231 Hook-Face Sanding Pad with 5 vacuum holes. When attaching a non-vacuum (solid) abrasive disc, the pad holes are covered by the abrasive, for non-vacuum use. When attaching a vacuum ("O" style) abrasive disc, the pad holes remain exposed, allowing dust to be drawn up through the pad holes (see page 235).

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)
58040	.45 (336)	900	11 (279)	83 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5.0 (2.3)	14-3/32 (358)	5-10/16 (143)
58041	.45 (336)	900	11 (279)	83 dB(A)	23 (651)	1/4 (6)	1/4" NPT	5.5 (2.5)	14-3/32 (358)	5-10/16 (143)

Tune-Up Kit: No. 98576 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# Dynafine® Detail Sander

## Air-Powered Finishing Sander

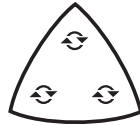


**SANDING PADS**  
PAGE 236

**ACCESSORIES**  
PAGE 222

### Excellent for Use in Tight Corners

- Excellent for cleaning wood edges and corners.
- Ideal for use on furniture, shutters, moldings, door jambs, metal parts and much more.
- Features 1/32" dia. orbital action for superior finishes.
- Handle is offset 7° for greater operator comfort and control.
- Uses Hook-Face and PSA (adhesive-backed) coated, non-woven nylon and sponge abrasives.



**Orbital Motion**  
(All models on page)

**FOR TEAR-DROP DISCS**  
3-3/4" x 2-3/8" (95 mm x 60 mm)  
**FOR TRIANGULAR DISCS**  
2-7/8" x 3-1/8" (73 mm x 79 mm)  
SEE PAGE 278

### Non-Vacuum

#### Model 57900

- Detail Sander includes triangular and tear-drop Hook-Face pads; also includes 94407 Flow-Control Dynaswivel®.



#### 57910 Versatility Kit

- Includes 57900 tool with Hook-Face and PSA (adhesive-backed) pads, 94407 Flow-Control Dynaswivel® (not shown) and an assortment of coated and non-woven nylon abrasives.

### Self-Generated Vacuum

#### Model 58015

- Utilizes tool's exhaust to create strong vacuum suction.
- 1" (25 mm) diameter vacuum port ready for connection to optional portable self-contained dust collection system (such as 50617 Flex-Hose System, sold separately).



Portable Dust Collection System  
(Optional - See Page 219)

*See page 236 for  
Dynabrade Sanding Pads!*

### Central Vacuum

#### Model 58017

- 1-1/4" (32 mm) diameter vacuum port ready for connection to external or central vacuum system.
- Includes Conductive Hose and Cuffs to shield operator from electrostatic discharge (ESD).



**WATCH the  
Dynafine®  
at Work!**



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)
57900	.12 (89)	13,000	65 dB(A)	20 (566)	1/4 (6)	1/4" NPT	90 (6.2)	1.6 (.7)	9 (229)	3-3/4 (95)
58015	.12 (89)	15,000	88 dB(A)	20 (566)	1/4 (6)	1/4" NPT	90 (6.2)	1.8 (.8)	9 (229)	4 (102)
58017	.12 (89)	15,000	85 dB(A)	20 (566)	1/4 (6)	1/4" NPT	90 (6.2)	1.8 (.8)	9 (229)	4 (102)

Tune-Up Kit: No. 96236 (page 267)



# “Backsplash” Sander

## Air-Powered Dynafine® Finishing Sander



**SANDING PADS**  
PAGE 236

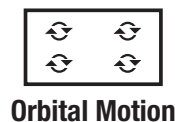
**ACCESSORIES**  
PAGE 222

*A Must for All Solid Surface Fabricators*

**FOR ABRASIVE SHEETS**  
3-1/2" x 2-3/4"  
(89 mm x 70 mm)  
SEE PAGE 277

### Model 58000

- Excellent for fabricating solid surface covered backsplashes; ideal for cleaning metal edges and corners.
- Includes 58021 and 58024 Backsplash Pads, shown below.
- Air motor features 1/32" diameter orbital action for achieving a superior finish.
- Lightweight tool of only 1.6 lbs!
- Low profile housing allows easy access in hard-to-reach areas. Handle is offset 7° for greater operator comfort and control.
- Includes 94407 Dynaswivel® with fingertip air-flow control dial.

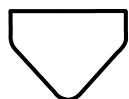


### 58010 Versatility Kit

- Includes tool with all five sanding pads shown below and an assortment of PSA (adhesive-backed) abrasives.

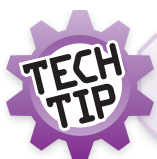
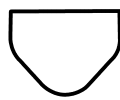
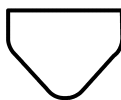
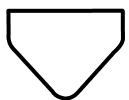
### Standard Sanding Pads (Included with Tool)

- **58021**  
3/8" Radius
- **58024**  
3/4" Reverse Radius



### Optional Sanding Pads (Sold Separately)

- **58020**  
1/4" Radius
- **58022**  
1/2" Radius
- **58023**  
5/8" Radius



For optimum performance, use Dynafine® “Backsplash” Sander with 95676 Coupler/Plug Assembly (see page 228).



Dynafine® “Backsplash” Sander powers 58021 Sanding Pad (included), for finishing within covered backsplash.



Sander powers 58024 Pad (included) for use on a radiused surface.

Model Number	Motor hp (W)	Motor RPM	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)
58000	.12 (89)	13,000	65 dB(A)	20 (566)	1/4 (6)	1/4" NPT	1.6 (.7)	9 (229)	3-3/4 (95)

Tune-Up Kit: No. 96236 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Dynafine® Finger Sander

## Air-Powered Finishing Sander



DYNAJET  
PAGE 224

ACCESSORIES  
PAGE 222

*Excellent for Use in Hard-to-Reach Areas*

### Model 57930

- Ideal for use on wood, varnished surfaces, plastic, composites, painted surfaces, metal and more!
- Tool includes 57932 Offset Sanding Arm (with 1/8" thick sponge platen), 94407 Flow-Control Dynaswivel® (not shown) and an assortment of abrasives.
- Handle is offset 7° for greater operator comfort and control.
- 1/32" dia. orbital action for fine finishes.

FOR ABRASIVE STRIPS  
3/8" x 2" (10 mm x 51 mm)  
3/4" x 2" (19 mm x 51 mm)  
SEE PAGE 286



Orbital Motion



Model  
57930

Model Number	Motor hp (W)	Motor RPM	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)
57930	.12 (89)	15,000	65 dB(A)	20 (566)	1/4 (6)	1/4" NPT	1.6 (.7)	11-3/4 (298)	4 (102)

Tune-Up Kit: No. 96236 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Raised Panel Sander

## Air-Powered Dynafine® Finishing Sander



SANDING PADS  
PAGE 236

ACCESSORIES  
PAGE 222

*Perfect for Sanding Raised Panels and Linear Profiles*

### Model 57906

- 57906 Dynafine® includes 57956 Raised Panel Pad (4" long x 3/4" wide), with unique angled edges for sanding in tight corners and on raised panel edges.
- 57956 Raised Panel Pad is a premium urethane, medium density Hook-Face pad (1/2" thick), which accepts both coated abrasive and non-woven nylon sheets.
- Excellent for sanding raised panels and linear profiles. Also ideal for use on furniture, shutters, moldings and more.

FOR ABRASIVE SHEETS  
4" x 3/4" (102 mm x 19 mm)  
SEE PAGE 278



Orbital Motion



Model  
57906



See page 236  
for Dynabrade  
Sanding Pads!

Model Number	Motor hp (W)	Motor RPM	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)
57906	.12 (89)	13,000	65 dB(A)	20 (566)	1/4 (6)	1/4" NPT	1.6 (.7)	9 (229)	3-3/4 (95)

Tune-Up Kit: No. 96236 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# Dynabug® “Model T”

## Air-Powered Orbital Finishing Sander

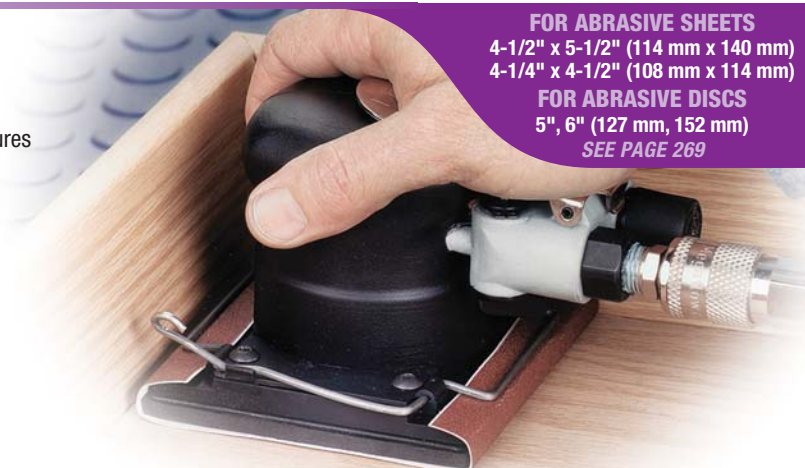


**SANDING PADS**  
PAGE 237

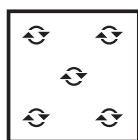
**COUPLER/PLUG**  
PAGE 222

### Featheredge, Finish, Sand and Blend

- 3/32" diameter orbital action is ideal for fine finishes.
- Lightweight... only 1 lb.! Palm-style, ergonomic design features low profile grip for greater operator comfort and control.
- Operates 9 SCFM at 90 PSIG. Can be run by as little as 3 horsepower compressor.
- Low maintenance – easy to repair. Turbine-style vaneless air motor needs no oil!
- Easily interchangeable sanding pads. Accepts reattachable and PSA (adhesive-backed) abrasive sheets and discs; coated and non-woven nylon.
- Each model includes 95955 Urethane Inlet Hose.



**FOR ABRASIVE SHEETS**  
4-1/2" x 5-1/2" (114 mm x 140 mm)  
4-1/4" x 4-1/2" (108 mm x 114 mm)  
**FOR ABRASIVE DISCS**  
5", 6" (127 mm, 152 mm)  
SEE PAGE 269



**Orbital Motion**

### Non-Vacuum

#### Model 57920 4" x 4-5/16" Pad (with clips)

- Includes 57999 Vinyl-Face Pad.

#### Model 57923 4-1/4" x 4-1/2" “Quarter-Sheet” Pad

- Includes 57998 Hook-Face Pad.

#### Model 57925 4-1/4" x 4-1/2" “Quarter-Sheet” Pad

- Includes 56244 Vinyl-Face Pad.



Model 57923

**See page 237 for Dynabrade Sanding Pads!**



Equipped with 96455 Urethane Inlet Hose

(All models on page)



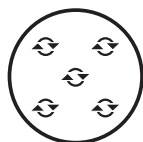
Model 57922

#### Model 57922 5" Diameter

- Includes 56249 Vinyl-Face Pad.

#### Model 57924 5" Diameter

- Includes 56248 Hook-Face Pad.



**Orbital Motion**



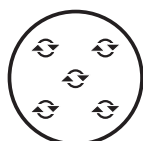
Model 57926

#### Model 57926 6" Diameter

- Includes 56269 Vinyl-Face Pad.

#### Model 57927 6" Diameter

- Includes 56268 Hook-Face Pad.



**Orbital Motion**

Model Number	Motor RPM	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)
57920	20,000	68 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.45)	5 (127)	3 (76)
57923	20,000	68 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.5)	5-1/2 (140)	3 (76)
57925	20,000	68 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.5)	5 (127)	3 (76)
57922	20,000	68 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.5)	5-1/2 (140)	3 (76)
57924	20,000	68 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.5)	5-1/2 (140)	3 (76)
57926	20,000	68 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.5)	5 (127)	3 (76)
57927	20,000	68 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.5)	5 (127)	3 (76)

Tune-Up Kit: No. 96169 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# Dynabug® “Model T”

## Orbital Finishing Sander – Vacuum Models



**SANDING PADS**  
PAGE 237

**COUPLER/PLUG**  
PAGE 222

### Featheredge, Finish, Sand and Blend

- 3/32" diameter orbital action is ideal for fine finishes.
- 1" outside diameter vacuum port for easy vacuum connection.
- All models include 4-1/4" x 4-1/2" “Quarter-Sheet” Pad.

### Self-Generated Vacuum

- Connects to optional portable self-contained dust collection systems (see page 219).

#### Model 58070

- Includes 56286 Vinyl-Face Vacuum Pad.

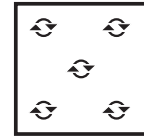
#### Model 58075

- Includes 56285 Hook-Face Vacuum Pad.



Model 57928

**FOR ABRASIVE SHEETS**  
4-1/4" x 4-1/2"  
(108 mm x 114 mm)  
SEE PAGE 277



**Orbital Motion**

### Central Vacuum

- Ready for connection to external or central vacuum system.

#### Model 57928

- Includes 56286 Vinyl-Face Vacuum Pad.

#### Model 57929

- Includes 56285 Hook-Face Vacuum Pad.



Portable Dust Collection System  
(Optional - See Page 219)



(All Vacuum models)

Model Number	Motor RPM	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)
58070	16,000	82 dB(A)	17 (481)	1/4 (6)	1/4" NPT	1.5 (0.7)	8 (203)	4 (102)
58075	16,000	82 dB(A)	17 (481)	1/4 (6)	1/4" NPT	1.5 (0.7)	8 (203)	4 (102)
57928	20,000	73 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.5)	5 (127)	3 (76)
57929	20,000	73 dB(A)	9 (255)	1/4 (6)	1/4" NPT	1 (.5)	5 (127)	3 (76)

**Tune-Up Kit: No. 96169** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Wet Dynabug® “Model T”

## Turbine Air-Powered Orbital Sander

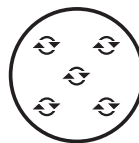


**SANDING PADS**  
PAGE 237

**WET TANK**  
PAGE 255

### Excellent on Primer and Clearcoat

- Each model includes all hardware for self-siphoning with 20 ft. of water hose. Brass weight drops into bucket for ease of use.
- Up to 3/16" diameter orbital action, with adjustable speed control.
- Our unique water feed “through-the-pad” design allows use of standard round wet paper with holes. No special sand paper or hole punch needed!
- Fingertip control valve allows for precise water flow.



**Orbital Motion**

#### Model 57908 5" Diameter

- Includes 58086 Hook-Face Pad and soft 53978 Interface Pad for contours.

#### Model 57909 6" Diameter

- Includes 58093 Hook-Face Pad and soft 53980 Interface Pad for contours.



Model 57908

**FOR ABRASIVE DISCS**  
5" (127 mm), 6" (152 mm)  
diameter  
SEE PAGE 275

Model Number	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)
57908	20,000	5 (127)	76 dB(A)	17 (481)	1/4 (6)	1/4" NPT	1.5 (0.7)	8 (203)	4 (102)
57909	20,000	6 (152)	76 dB(A)	17 (481)	1/4 (6)	1/4" NPT	1.5 (0.7)	8 (203)	4 (102)

**Tune-Up Kit: No. 96169** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Dynabug® Sander

## Air-Powered "Jitter-Bug" Type Orbital



**SANDING PADS**  
PAGE 237

**BALL-SWIVEL PLUG**  
PAGE 223

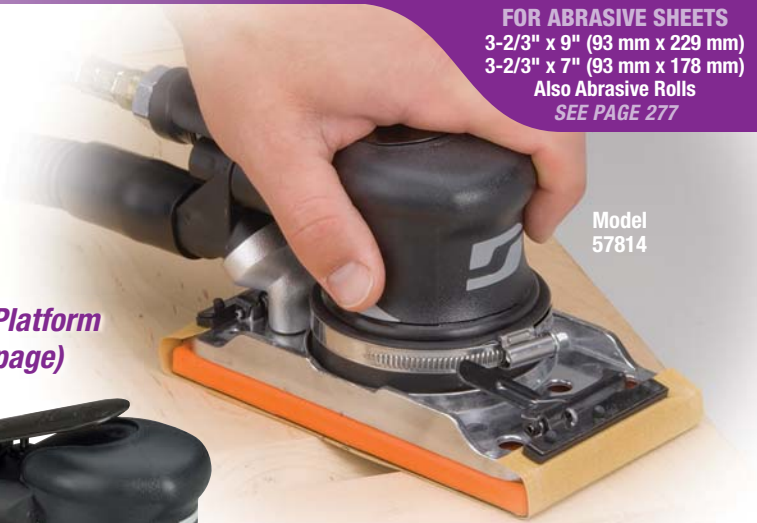
**ACCESSORIES**  
PAGE 222

**DYNAJET**  
PAGE 224

### Featheredge, Finish, Sand and Blend

- Precise 3/32" orbital motion is ideal for achieving a controlled, ultra-fine finish on a variety of surfaces.
- 3/16" orbital motion is available for general sanding applications.
- Powerful air motor utilizes 16 SCFM at 90 PSIG.
- Tools have heavy-duty clips to accept traditional 3-2/3" x 9" abrasive sheets (rolls also available).
- Comfort platform provides additional hand and wrist support.

**FOR ABRASIVE SHEETS**  
3-2/3" x 9" (93 mm x 229 mm)  
3-2/3" x 7" (93 mm x 178 mm)  
Also Abrasive Rolls  
**SEE PAGE 277**



Model 57814

**Includes Comfort Platform**  
(All models on page)



**Orbital Motion**  
(All models on page)



Model 57810

### Non-Vacuum

- Includes premium 57850 Vinyl-Face Sanding Pad, 3-2/3" x 7".

**Model 57810 3/32" Dia. Orbit**

**Model 57800 3/16" Dia. Orbit**

**See page 237**  
**for Dynabrade**  
**Sanding Pads!**

### Self-Generated Vacuum

- Ready for connection to optional portable self-contained dust collection systems.
- Includes premium 57855 Vinyl-Face Sanding Pad for PSA (abrasive-backed) abrasives.

**Model 57811 3/32" Dia. Orbit**

**Model 57801 3/16" Dia. Orbit**



Model 57811

Portable Dust Collection System  
(Optional - See Page 219)

### Central Vacuum

- Has 1" outside diameter vacuum port for easy central vacuum hose hook-up.
- Includes premium 57855 Vinyl-Face Sanding Pad for PSA (abrasive-backed) abrasives.

**Model 57814 3/32" Dia. Orbit**

**Model 57804 3/16" Dia. Orbit**



Model 57814



**WATCH Tool**  
**at Work!**

Model Number	Motor hp (W)	Motor RPM	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)
57800	.24 (179)	8,000	79 dB(A)	16 (453)	1/4 (6)	1/4" NPT	2.8 (1.3)	7-1/4 (184)	4-1/4 (108)
57801	.24 (179)	8,000	76 dB(A)	16 (453)	1/4 (6)	1/4" NPT	2.8 (1.3)	7-1/4 (184)	4-1/4 (108)
57804	.24 (179)	8,000	80 dB(A)	16 (453)	1/4 (6)	1/4" NPT	2.8 (1.3)	7-1/4 (184)	4-1/4 (108)
57810	.28 (209)	10,000	77 dB(A)	18 (510)	1/4 (6)	1/4" NPT	2.8 (1.3)	7-1/4 (184)	4-1/4 (108)
57811	.28 (209)	10,000	74 dB(A)	18 (510)	1/4 (6)	1/4" NPT	2.6 (1.2)	7-1/4 (184)	4-1/4 (108)
57814	.28 (209)	10,000	81 dB(A)	18 (510)	1/4 (6)	1/4" NPT	2.6 (1.2)	7-1/4 (184)	4-1/4 (108)

**Tune-Up Kit: No. 96024** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Dynabug® II

## Air-Powered Orbital Finishing Sander



**SANDING PADS**  
PAGE 237

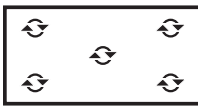
**BALL-SWIVEL PLUG**  
PAGE 223

**ACCESSORIES**  
PAGE 222

**DYNAJET**  
PAGE 224

### Featheredge, Finish, Sand and Blend

- Powerful .15 hp (112 W), 10,000 RPM air motor. Utilizes just 13 SCFM (368 L/Min) at 90 PSIG (6.2 Bar).
- Precise 3/32" orbital motion is ideal for achieving a controlled, ultra-fine finish on a variety of surfaces.
- Compact size is ideal for all operators, including those with smaller hands.
- Engineered and tested to ensure less tool vibration than any competitive model!
- Lighter tool weight minimizes fatigue. Comfort Platform provides additional hand and wrist support. Perfect for vertical applications.
- Rectangular shape sands deep into corners, where round pads cannot reach.



**Orbital Motion**  
(All models on page)

#### Non-Vacuum

#### Model 58500

- Includes 56315 Hook-Face Sanding Pad, 74 mm wide x 109 mm long (approximately 3" x 4-1/4"), for accepting optional Hook-Face abrasive sheets.

#### Model 58503

- Includes 56317 Hook-Face Sanding Pad, 80 mm wide x 130 mm long (approximately 3-1/4" x 5"), for accepting optional Hook-Face abrasive sheets.

#### Model 58509

- Includes 56355 Vinyl-Face Sanding Pad, 74 mm wide x 109 mm long (approximately 3" x 4-1/4").

#### Model 58507 with Heavy-Duty Clips

- Tool has specially designed pad base assembly with heavy-duty clips. Clips are designed for heavy-duty use, accepting up to four sheets at once. Ideal for high-production workplaces.
- Includes 56354 vinyl-face Sanding Pad, 68 mm wide by 175 mm long (approximately 2-3/4" x 7"). Weight-mated pad screws directly to pad base assembly.
- Accepts optional abrasive sheets cut from 70 mm (2-3/4") wide abrasive rolls. Four sheets of this width may also be cut from sheets 229 mm wide x 280 mm long (9" x 11").

**FOR ABRASIVE SHEETS**  
75 mm x 110 mm (3" x 4-1/4")  
81 mm x 133 mm (3" x 5-1/4")  
100 mm x 148 mm (4" x 5-3/4")  
*SEE PAGE 277*



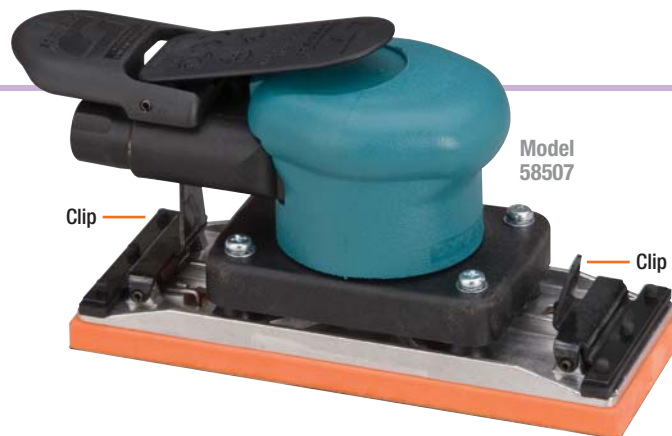
Model 58503

*Includes Comfort Platform  
(All Dynabug® II models)*



Model 58500

*See page 237  
for Dynabrade  
Sanding Pads!*



Model 58507

Clip

Clip

Model Number	Motor hp (W)	Motor RPM	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)
58500	.15 (112)	10,000	78 dB(A)	13 (368)	1/4 (6)	1/4" NPT	1.6 (.7)	5-3/4 (147)	3-1/2 (91)
58503	.15 (112)	10,000	78 dB(A)	13 (368)	1/4 (6)	1/4" NPT	1.6 (.7)	6-1/4 (165)	3-1/2 (91)
58507	.15 (112)	10,000	79 dB(A)	13 (368)	1/4 (6)	1/4" NPT	2.1 (.95)	7-1/16 (180)	3-3/4 (94)
58509	.15 (112)	10,000	78 dB(A)	13 (368)	1/4 (6)	1/4" NPT	1.6 (.7)	5-3/4 (147)	3-1/2 (91)

**Tune-Up Kit: No. 98222** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



# Dynabug® II

## Air-Powered Orbital Finishing Sander



**SANDING PADS**  
PAGE 237

**BALL-SWIVEL PLUG**  
PAGE 223

**ACCESSORIES**  
PAGE 222

**DYNAJET**  
PAGE 224

### Featheredge, Finish, Sand and Blend

- Precise 3/32" orbital motion is ideal for achieving a controlled, ultra-fine finish on a variety of surfaces.
- Compact size is ideal for all operators, including those with smaller hands.
- Lighter tool weight minimizes fatigue. Comfort Platform provides additional hand and wrist support. Perfect for vertical applications.



**Orbital Motion**  
(All models on page)

**See page 237  
for Dynabrade  
Sanding Pads!**

**FOR ABRASIVE SHEETS**  
75 mm x 110 mm (3" x 4-1/4")  
81 mm x 133 mm (3" x 5-1/4")  
100 mm x 148 mm (4" x 5-3/4")  
**SEE PAGE 277**



Model 58502

### Self-Generated Vacuum

- Self-Generated Vacuum models vacuums through the tool's exhaust. Tool has 1" outside diameter vacuum port, ready for connection to optional dust collection systems. Includes Hook-Face sanding pad, for optional Hook-Face vacuum abrasive sheets.

#### Model 58501

- Includes 56316 Vacuum Sanding Pad, 74 mm wide x 109 mm long (approximately 3" x 4-1/4").

#### Model 58504

- Includes 56319 Vacuum Sanding Pad, 80 mm wide x 130 mm long (approximately 3-1/4" x 5"), with eight vacuum holes.



Model 58501

Portable Dust Collection System  
(Optional - See Page 219)

### Central Vacuum

- Central Vacuum models have 1" outside diameter vacuum port, ready for connection to external vacuum source. Includes Hook-Face sanding pad, for optional Hook-Face vacuum abrasive sheets.

#### Model 58502

- includes 56316 Vacuum Sanding Pad, 74 mm wide by 109 mm long (approximately 3" x 4-1/4").

#### Model 58505

- Includes 56319 Vacuum Sanding Pad, 80 mm wide by 130 mm long (approximately 3-1/4" x 5"), with eight vacuum holes.

#### Model 58506 "Delta Style"

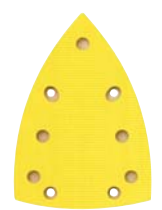
- Includes 56323 "Delta Style" Vacuum Sanding Pad, 99 mm wide (at wider end) by 143 mm long (approximately 4" x 5-3/4"), with seven vacuum holes. Unique pad has curved edges for sanding rounded areas, and pointed tip for reaching into tight corners.



Model 58502



Model 58506  
"Delta Style"



56323  
"Delta Style"  
Pad

Model Number	Motor hp (W)	Motor RPM	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)
58501	.15 (112)	10,000	75 dB(A)	13 (368)	1/4 (6)	1/4" NPT	1.7 (.75)	8-1/4 (212)	3-1/2 (91)
58502	.15 (112)	10,000	81 dB(A)	13 (368)	1/4 (6)	1/4" NPT	1.6 (.7)	7 (180)	3-1/2 (91)
58504	.15 (112)	10,000	75 dB(A)	13 (368)	1/4 (6)	1/4" NPT	1.7 (.75)	8-3/4 (222)	3-3/4 (94)
58505	.15 (112)	10,000	81 dB(A)	13 (368)	1/4 (6)	1/4" NPT	1.6 (.7)	7-1/2 (190)	3-1/2 (91)
58506	.15 (112)	10,000	81 dB(A)	13 (368)	1/4 (6)	1/4" NPT	1.6 (.7)	8-3/4 (222)	3-1/2 (91)

**Tune-Up Kit: No. 98222** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# Dynaline Sander

## Air-Powered In-Line Finishing Sander



**SANDING PADS**  
PAGE 235

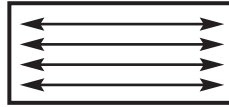
**BALL-SWIVEL PLUG**  
PAGE 223

**ACCESSORIES**  
PAGE 222

**DYNAJET**  
PAGE 224

### Great on Wood, Composites & Solid Surfaces

- 2,400 strokes per minute at 90 PSIG (6.2 Bar).
- Uses adhesive-backed coated and non-woven nylon sheets and rolls.
- Quality constructed pad is weight-mated to tool for low vibration, smooth operation and superior finishes.
- Comfort platform provides additional hand and wrist support.



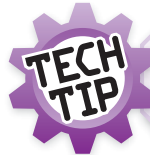
**In-Line Motion**  
(All models on page)

**FOR ABRASIVE SHEETS**  
2-3/4" x 8" (70 mm x 203 mm)  
**FOR ABRASIVE ROLLS**  
2-3/4" (203 mm) wide  
SEE PAGES 277, 286

### Non-Vacuum

#### Model 57400

- Includes 2-3/4" wide x 8" long vinyl-face non-vacuum Sanding Pad (57454).



**TECH TIP**  
Sanding Pad can be rotated 360° for adjusting to most efficient position per application.



Model 57400

#### 57405 Versatility Kit

- Includes 57400 Dynaline; 57852 Sanding Pad (3-2/3" wide x 7" long premium urethane, long nap, Hook-Face pad); plus medium grade (94951) and very fine (94956) abrasive impregnated non-woven nylon sheets.

**Includes Comfort Platform**  
(All models on page)

#### Model 57407 with Clips

- Includes 2-3/4" wide x 8" long vinyl-face non-vacuum Sanding Pad with clips (57460).
- Accepts abrasives 2-3/4" wide x 11" long.
- Up to four abrasive sheets may be attached, ideal for high-production workplaces.



Model 57407

Model 57400

### Self-Generated Vacuum

#### Model 57401

- Includes 2-3/4" wide x 8" long vinyl-face, vacuum sanding pad (57455).
- Ready for connection to optional portable self-contained dust collection systems.



Model 57401

Portable Dust Collection System  
(Optional - See Page 219)

### Central Vacuum

#### Model 57404

- Includes 2-3/4" wide x 8" long vinyl-face, vacuum sanding pad (57455).
- Has 1" outside diameter vacuum port for easy central vacuum hose connection.

**See page 235**  
**for Dynabrade**  
**Sanding Pads!**



Model 57404

Model Number	Motor hp (W)	Motor RPM	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)
57400	.3 (186)	2,400	79 dB(A)	18 (510)	1/4 (6)	1/4" NPT	2.6 (1.2)	7 (178)	3-3/4 (95)
57401	.3 (186)	2,400	79 dB(A)	18 (510)	1/4 (6)	1/4" NPT	2.6 (1.2)	7 (178)	3-3/4 (95)
57404	.3 (186)	2,400	80 dB(A)	18 (510)	1/4 (6)	1/4" NPT	2.6 (1.2)	7 (178)	3-3/4 (95)
57407	.3 (186)	2,400	79 dB(A)	18 (510)	1/4 (6)	1/4" NPT	2.6 (1.2)	7 (178)	3-3/4 (95)

**Tune-Up Kit: No. 96107** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# 11" Long File Board Sander

## Air-Powered In-Line Finishing Sander



SANDING PADS  
PAGE 239

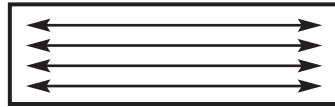
ACCESSORIES  
PAGE 222

*Ideal for Use on Wood, Metals, Composites and Solid Surfaces*

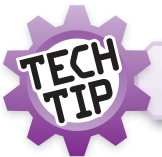
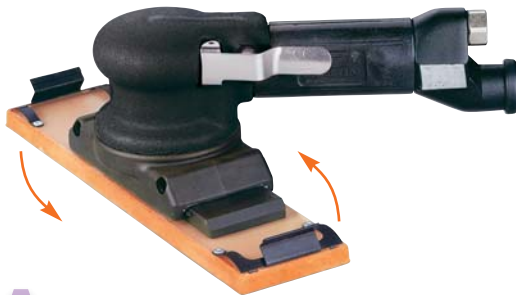
FOR ABRASIVE ROLLS  
2-3/4" (70 mm) wide  
SEE PAGE 286

### Model 51350

- File board excellent for industrial graining of stainless steel.
- Tool features high quality gear for smooth-running in-line sanding action.
- 2,400 strokes per minute. 3/8" (10 mm) long sanding stroke.
- For use with PSA (adhesive-backed) coated and non-woven sheets and rolls.
- Includes 2-3/4" wide x 11" long 57512 Premium Urethane PSA (adhesive-backed) Sanding Pad with clips.
- Also accepts 2-3/4" wide x 11" long pads without clips, and 2-3/4" wide x 8" long non-vacuum pads.



**In-Line Motion**



Sanding Pad can be rotated 360° for adjusting to most efficient position per application.



*Ultra-smooth in-line sanding action is ideal on wood.*

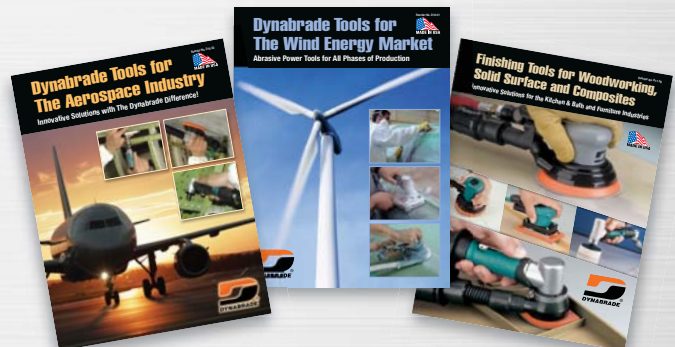
Model Number	Motor hp (W)	Strokes Per Minute	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51350	.3 (186)	2,400	81 dB(A)	18 (510)	1/4 (6)	1/4" NPT	3.1 (1.4)	11 (279)	3-3/4 (95)

Tune-Up Kit: No. 96531 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

## Dynabrade Industry Segment and Product Group Catalogs

Each catalog features **Dynabrade** tool information and applications specific to **key markets!**

- **Aerospace Industry** (D15.02)
- **Wood, Solid Surface & Composites** (D11.08)
- **Tools for Wind Energy Market** (D10.01)
- **Vacuum Tools & Accessories** (D09.18)
- **"D3" Random Orbital Sanders** (D09.08R)



See complete Literature Library at  
**Dynabrade.com!**



# Right Angle Denibber

## Mini-Orbital Finishing Sander



**SANDING PADS**  
PAGE 241

**DYNASWIVEL®**  
PAGE 223

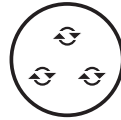
**ACCESSORIES**  
PAGE 222

**COUPLER/PLUG**  
PAGE 228

*For Quick, Efficient Repair of Dust Nibs and Defects*

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

- Ideal for use on gelcoat and clearcoat paint systems, plus finesse sanding of small areas.
- Precise 1/8" orbital action minimizes swirl marks.
- Lightweight design for operator comfort.
- Front and rear exhaust models available.
- Each model includes 95848 Gear Oil and 95541 Push-Type Gun, for lubricating tool gears through "dual wick" system. Increasing gear life extends the life of your tool!
- Optional safety-lock throttle lever is available (included in some regions).



**Orbital Motion**  
(All models on page)

*58037 Right Angle Denibber is ideal for quick spot repair.*



Model 58037

### Model 58037 *Front Exhaust*

### Model 58039 *Rear Exhaust*

- Each model runs at 12,000 RPM and includes 1-1/4" diameter rubber sanding pad (54018). Also accepts optional sanding pads 54017, 54084 and 54088 (see page 241).



Model 58039

### Model 58038 *Front Exhaust*

### Model 58034 *Rear Exhaust*

- Each model runs at 12,000 RPM and includes 1-1/4" diameter locking-type foam-face sanding pad (54031). Also accepts optional 54033 locking-type sanding pad (see page 241).



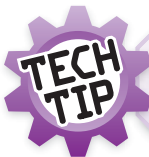
Model 58038

### Model 58035 *Front Exhaust*

- Tool runs at 15,000 RPM and includes 1-1/4" diameter vinyl-face sanding pad (54088). Also accepts optional sanding pads 54087 and 54088 (see page 241).



*58035 Denibber shown with optional 95745 Speed Control.*



Denibber's precise 1/8" orbital action is effective for dry and wet applications (with water from an outside source).

Model Number	Exhaust	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Orbit Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
58034	Rear	.4 (298)	12,000	79 dB(A)	21 (595)	1/4 (6)	1/8 (3)	1/4" NPT	1.4 (0.6)	7.5 (190)	4 (102)
58035	Front	.4 (298)	15,000	85 dB(A)	21 (595)	1/4 (6)	1/8 (3)	1/4" NPT	1.6 (0.7)	5.4 (137)	3.8 (97)
58037	Front	.4 (298)	12,000	85 dB(A)	20 (566)	1/4 (6)	1/8 (3)	1/4" NPT	1.6 (0.7)	5.4 (137)	3.8 (97)
58038	Front	.4 (298)	12,000	85 dB(A)	20 (566)	1/4 (6)	1/8 (3)	1/4" NPT	1.6 (0.7)	5.4 (137)	4 (102)
58039	Rear	.4 (298)	12,000	79 dB(A)	21 (595)	1/4 (6)	1/8 (3)	1/4" NPT	1.4 (0.6)	7.5 (190)	3.8 (97)

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

# Dynabrade Systems & Solutions



For Gear-Driven & Finishing Sanders – Suggested Tool/Accessory Combinations

TOOL	ABRASIVE	ACCESSORIES	
<b>DynaLocke® Dual-Action Sander</b> Model 58430 <i>Two-Hand, Non-Vacuum</i> 12,000 RPM Page 166	<b>5" Dia. Abrasive Discs</b> Non-Vacuum Page 275	<b>Backup Pad</b> 54326 <i>Non-Vacuum</i> Page 231	<b>Tune-Up Kit</b> 98220 Page 267
<b>Gear-Driven Sander</b> Model 58446 <i>Two-Hand, Central Vacuum</i> 900 RPM Page 168	<b>8" Dia. Abrasive Discs</b> Vacuum Page 275	<b>Backup Pad</b> 56235 <i>Vacuum</i> Page 234	<b>Grease &amp; Grease Gun</b> 95542, 95541 Page 254
<b>Dynafine® Detail Sander</b> Model 57900 <i>7° Offset, 13,000 RPM, .12 hp</i> Page 170	<b>Triangular &amp; Tear-Drop Abrasives</b> Non-Vacuum and Vacuum Page 278	<b>Triangular &amp; Tear-Drop Pads</b> Page 236	<b>Raised Panel Pad Kit</b> 57905 Page 236
<b>Dynabug® Orbital Sander</b> Model 57810 <i>Non-Vacuum</i> 10,000 RPM, .24 hp Page 175	<b>Abrasive Sheets</b> Non-Vacuum Page 277	<b>Backup Pad</b> 57850 Page 237	<b>DynaJet Blow Gun</b> 94467 Page 224
<b>Dynabug® II Orbital Sander</b> Model 58500 <i>Non-Vacuum</i> 10,000 RPM, .15 hp Page 176	<b>Abrasive Sheets</b> Non-Vacuum Page 277	<b>Backup Pad</b> 56315 Page 237	<b>Ball-Swivel Plug</b> 97016 Page 223

## ESSENTIAL ACCESSORIES

### Metal Capture Downdraft Station

64350 Page 208



### Air Lube (10W/NR)

95842 Page 254



### Dynūba 100

60005  
Page 254



### Dynūba 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







# DYNORBITAL<sup>®</sup> EXTREME

## RANDOM ORBITAL SANDER SERIES

**NEW!** from Dynabrade



**EXTREME Power**

**EXTREME Comfort**

**EXTREME Performance**

**WE LISTEN. WE OBSERVE. WE OPTIMIZE.**





# DYNORBITAL<sup>®</sup> EXTREME

## RANDOM ORBITAL SANDER SERIES

**NEW!** from  
Dynabrade



### **EXTREME** sanding in any application from Dynabrade, the premier random orbital solution provider.

Dynabrade proudly introduces our most refined random orbital sander to date. The Dynorbital<sup>®</sup> Extreme boasts the greatest power and most consistent speed of any palm-style orbital sander. Power and speed combine to quickly and reliably produce the desired finish, while ergonomic features keep operators safe and comfortable throughout their day. Symmetrical design allows left or right-handed operators to work comfortably, while the compact size of the Dynorbital<sup>®</sup> Extreme fits naturally in most operator's hands.

*American-made from the highest grade materials for long-life and high durability.*

### **EXTREME POWER**

- New motor design has the highest power-to-weight ratio in the industry, with 0.3 hp at 1.8 lbs.
- Most consistent speed under load in industry, running at 92% of rated tool speed.
- New rotor design enhances power with less friction.

### **EXTREME COMFORT**

- Ergonomic design with integrated comfort platform for more wrist support and overall operator comfort.
- Soft grip co-molded to rigid composite base housing for maximum comfort and durability.
- Recessed throttle lever eliminates pinch and pressure points on an operator's palm.

### **EXTREME PERFORMANCE**

- Achieve consistent, superior finishes in less time.
- Premium sanding pad is weight-mated for the lowest vibration levels.
- Made from the highest quality materials for extreme durability and longevity.





### 12 MODELS AVAILABLE

**Pad Diameter**  
5" (127 mm) or 6" (152 mm)

**Orbit Diameter**  
3/16" (5 mm) or 3/32" (2.5 mm)

**Source Capture**  
Non-Vacuum or Central Vacuum



#### 3/16" DIA. ORBIT

General Sanding  
Teal Throttle Lever



#### 3/32" DIA. ORBIT

Ultra-Fine Sanding  
Black Throttle Lever



**LIFETIME WARRANTY**

FEATURE	BENEFIT
<b>1</b> RECESSED THROTTLE LEVER	<i>Eliminates pressure point on palm</i>
<b>2</b> INTEGRATED COMFORT PLATFORM	<i>Provides enhanced ergonomic comfort</i>
<b>3</b> COMFORT GRIP	<i>Tactile, ambidextrous design</i>
<b>4</b> LIP SEAL SHROUD	<i>Allows excellent vacuum performance</i>
<b>5</b> WEIGHT-MATED SANDING PAD	<i>For reduced vibration and consistent finishes</i>
<b>6</b> INTEGRATED SWIVEL CUFF	<i>Secure, maneuverable vacuum connection</i>
<b>7</b> INCREASED PORT SIZE	<i>For better vacuum capture rate</i>

### IDEAL INDUSTRIES



### TECH TIP

For a swirl-free finish, always start the sander on the work surface and stop the sander off the surface.

Model No.	Diameter	Pad Type	Orbit Dia.	Vacuum Type	RPM	Power	Sound	Max. Air Flow	Weight	Height	Length
X51	5" (127 mm)	PSA	3/16" (5 mm)	Non-Vacuum	12,000	0.3 hp (224 W)	74 dBA	19 SCFM (538 LPM)	1.78 lb (0.8 kg)	3.7" (95 mm)	9.1" (230 mm)
X51H		Hook-Face		Central Vacuum			73 dBA				
X51V		PSA		Non-Vacuum			74 dBA				
X52		Hook-Face	Central Vacuum	73 dBA			1.74 lb (0.8 kg)				
X52H		PSA	Non-Vacuum	72 dBA							
X52V		Hook-Face	Central Vacuum	74 dBA							
X61	6" (152 mm)	PSA	3/16" (5 mm)	Non-Vacuum	12,000	0.3 hp (224 W)	72 dBA	19 SCFM (538 LPM)	1.86 lb (0.8 kg)	3.7" (95 mm)	9.5" (242 mm)
X61H		Hook-Face		Central Vacuum			78 dBA				
X61V		PSA		Non-Vacuum			73 dBA				
X62		Hook-Face	Central Vacuum	73 dBA			1.82 lb (0.8 kg)				
X62H		PSA	Non-Vacuum	75 dBA							
X62V		Hook-Face	Central Vacuum	73 dBA							

Additional Specifications Air Inlet - 1/4" NPT | Air Hose I.D. - 1/4" (6 mm) | Air Pressure - 90 PSIG (6.2 Bar)

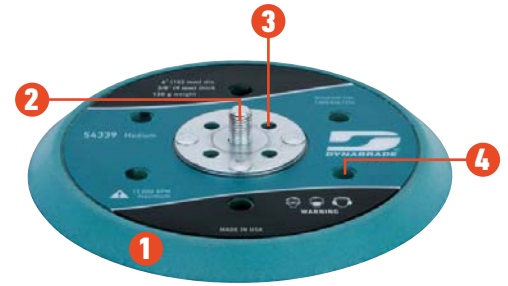
For the most current tool specifications, visit [dynabrade.com](http://dynabrade.com)

# EXTREME SANDING PADS

## PREMIUM URETHANE - MEDIUM DENSITY

Perfectly Weight-Mated for EXTREME Finishes the First Time

FEATURE	BENEFIT
1 WEIGHT-MATED	For reduced vibration and consistent finishes
2 SINGLE-PIECE HUB	Precise machining reduces pad vibration
3 VACUUM HUB	Direct path for dust/debris extraction
4 MULTI-HOLE PAD	Channels dust/debris to center for best capture



Diameter	Vacuum Type	Holes	Hook-Face	Vinyl-Face	Thickness	Thread
5" (127 mm)	Vacuum	5	54334	—	3/8" (10 mm)	5/16"-24
	Non-Vacuum	—	54325T	56106T		
6" (152 mm)	Vacuum	6	54339	—		
	Non-Vacuum	—	54327T	56107T		



Vacuum  
Hook-Face



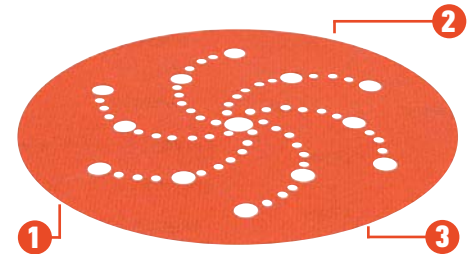
Non-Vacuum  
Hook-Face & PSA

# DYNACUT EXTREME ORANGE

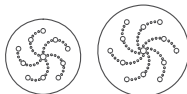
## PREMIUM FILM ABRASIVE DISCS

EXTREME Orange is the Best Choice for All Materials and Surfaces

FEATURE	BENEFIT
1 PREMIUM P-GRADE ALUMINUM OXIDE	Aggressive cutting for greater removal and longer life
2 3 MIL FILM BACKING	Durable, flat backing for consistent finishes
3 CLOG-FREE COATING	Resists loading and will not transfer color



### VACUUM HOOK & LOOP DISCS



Diameter	Grit	Holes	Part No.	Pkg/Qty
5" (127 mm)	60	51	91535	50
	80		91536	
	100		91537	
	120		91538	
	150		91539	
	180		91540	
	220		91541	
	320		91542	
	400		91543	
6" (152 mm)	60	67	91562	50
	80		91563	
	100		91564	
	120		91565	
	150		91566	
	180		91567	
	220		91568	
	320		91569	
	400		91570	

### NON-VACUUM HOOK & LOOP DISCS



Diameter	Grit	Part No.	Pkg/Qty
5" (127 mm)	60	91544	50
	80	91545	
	100	91546	
	120	91547	
	150	91548	
	180	91549	
	220	91550	
	320	91551	
	400	91552	
6" (152 mm)	60	91571	50
	80	91572	
	100	91573	
	120	91574	
	150	91575	
	180	91576	
	220	91577	
	320	91578	
	400	91579	

### NON-VACUUM PSA DISCS



Diameter	Grit	Part No.	Pkg/Qty
5" (127 mm)	60	91526	50
	80	91527	
	100	91528	
	120	91529	
	150	91530	
	180	91531	
	220	91532	
	320	91533	
	400	91534	
6" (152 mm)	60	91553	50
	80	91554	
	100	91555	
	120	91556	
	150	91557	
	180	91558	
	220	91559	
	320	91560	
	400	91561	



# EXTREME VACUUM SYSTEM

## COMPLETE SANDING SOLUTIONS FOR ALL INDUSTRIES

### DYNORBITAL® EXTREME

High-performance sanding coupled with best-in-class vacuum pickup



### EXTREME SANDING PAD

All new channel design for use with vacuums and multi-hole abrasives



### DYNACUT EXTREME ORANGE

Unique sawtooth spiral vacuum pattern for maximum dust/debris extraction



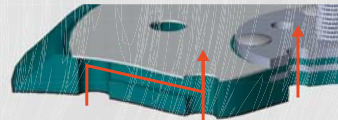
### RAPTOR VAC® VACUUM SYSTEMS

(2) 20' (6 M) coaxial hose with integrated air line, y-inlet, coupler, vacuum hose swivel adapter and (2) disposable bags



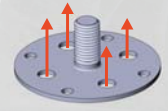
#### Threaded Swivel Cuff

Prevents vacuum hose from "popping" off.



#### Internal-Channel Vacuum Pad

Dust/debris migrates to pad's center where pick-up is greatest.



#### Vacuum Hub

(4) holes for pad center dust/debris extraction.



#### Sawtooth Spiral

Center hole and positive flow of sawtooth spiral moves dust/debris to center of the disc where vacuum pick-up is greatest.



#### Self-Cleaning HEPA Filtration

Automatic filter-blast every 40 seconds ensures optimal particle flow and capture. HEPA filtration keeps your work environment clean and safe.

## RAPTOR VAC® VACUUM SYSTEMS

### PORTABLE SOURCE CAPTURE SOLUTIONS

Connect with Raptor Vac® Vacuum Systems for EXTREME Capture

Raptor Vac® Vacuum Systems are designed for specific environments and source capture requirements. Each vacuum system is available in pneumatic or electric motor configurations. Division 1 & 2 certified explosion-proof systems are available to safely recover combustible dust.



M-Class



**WE LISTEN. WE OBSERVE. WE OPTIMIZE.**

## EXTREME VACUUM ACCESSORIES FOR CONNECTION TO ANY VACUUM SETUP



### CONDUCTIVE WHIP HOSE

31917 6 Ft (2 M)

- 1" (25 mm) dia. vacuum hose with 31916 Swivel Cuff for attachment to our standard Raptor Vac® 1-1/4" (32 mm) dia. hose
- 5/16" (8 mm) dia. air line with (2) 1/4" male fittings, 1/4" female Mega Flow Plug and protected by a braided hose sleeve



### VACUUM HOSE ADAPTOR ASSEMBLY

31935

- 1" (25 mm) direct tool connection to 1-1/4" (32 mm) vacuum hose
- 31916 Swivel Cuff and 1" (25 mm) dia. conductive vacuum hose piece



### VACUUM HOSE SWIVEL ADAPTOR

96572 1" (25 mm) to 1" (25 mm)

96573 1" (25 mm) to 1-1/4" (32 mm)

- For slip-fit connection to vacuum hose assembly cuffs

## DYNABRADE MAINTENANCE PRODUCTS FOR OPTIMAL SANDER PERFORMANCE



### FILTER-REGULATOR-LUBRICATOR

10690 1/2" NPT

- Max. 106 SCFM (3,002 LPM)
- 3/8" NPT reducer bushings for 3/8" air systems
- Adjustable oil drip rate
- 5 micron filter



### DYNABRADE AIR LUBE

95842 1 Pint

- 10W/NR, absorbs up to 10% of its weight in water
- Specifically formulated for Dynabrade air tools



### DROP-IN MOTOR

- Quick motor replacement, for "less down time"

Pad Dia.	Orbit Dia.	Part No.
5" (127 mm)	3/16" (5 mm) 3/32" (2.5 mm)	69480 69481
6" (152 mm)	3/16" (5 mm) 3/32" (2.5 mm)	69482 69483



### MOTOR TUNE-UP KIT

96576

- Maintain your motor at peak performance
- Includes most wearable parts

dynabrade.com



DYNORBITAL® EXTREME D17-03

PROUDLY DESIGNED, ENGINEERED, AND BUILT IN AMERICA SINCE 1969

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