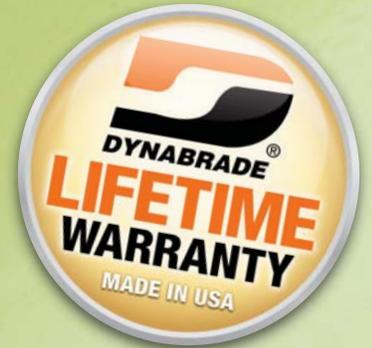




# Vacuum Disc Sander Family from Dynabrade

High-Quality Sanders Capture Dust and Contaminants



- 2", 3" & 5" Dia. Models (51 mm, 76 mm & 127 mm)
- Unique Vacuum Shroud Diverts Dust & Debris to Vacuum Source
- Captures Contaminants such as Hexavalent Chromium



# Dynabrade Vacuum Disc Sander Family

Dynabrade's NEW Vacuum Disc Sanders offer efficient material removal on non-ferrous surfaces such as carbon fiber, composites, fiberglass, painted aluminum, coated parts and more. As tool is sanding, unique Vacuum Shroud captures dust, debris and contaminants (including Hexavalent Chromium) to external vacuum source – ensuring cleaner, safer workplace. An essential tool family for nuclear plants, aerospace, automotive, marine and transportation industries.



Model 51230, 2" (51 mm) Dia. (page 3)



Model 50561, 3" (76 mm) Dia. (page 5)



Model 52596, 5" (127 mm) Dia. (page 6)

## 2" (51 mm) Dia., 7° Offset Models



- Flexible, non-marring Vacuum Shroud is constructed of high-quality clear urethane.
- Vacuum Shroud allows capture of dust, debris and contaminants such as Hexavalent Chromium.
- Shroud angle of 6° ensures ideal surface contact, for maximum dust extraction.
- Gearless motor design for reduced maintenance and downtime.
- Low profile design – tool height of only 3-7/8" (98 mm).
- Safety-lock throttle lever is standard on all models.

### Model 51235 Self-Generated Vacuum .4 hp (298 W), 25,000 RPM, Rear Exhaust

- Includes 51344 Backing Pad, for 2" (51 mm) diameter locking-type abrasive discs.
- Utilizes tool's exhaust to create strong vacuum suction.
- 1" (25 mm) diameter vacuum port ready for connection to optional portable dust-collection system (see page 7).

### Model 51236 Central Vacuum .4 hp (298 W), 25,000 RPM, Rear Exhaust

- Includes 51344 Backing Pad, for 2" (51 mm) diameter locking-type abrasive discs.
- 1-1/4" (32 mm) diameter vacuum port allows connection to external or central vacuum system.



| Model Number | Motor hp (W) | Motor RPM | Maximum Air Flow SCFM (LPM) | Hose I.D. Size Inch (mm) | Air Inlet Thread | Spindle Thread | Weight Pound (kg) | Length Inch (mm) | Height Inch (mm) |
|--------------|--------------|-----------|-----------------------------|--------------------------|------------------|----------------|-------------------|------------------|------------------|
| 51235        | .4 (298)     | 25,000    | 20 (556)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.3 (.6)          | 9-3/4 (249)      | 3-7/8 (98)       |
| 51236        | .4 (298)     | 25,000    | 20 (556)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.7 (.7)          | 10-1/4 (261)     | 3-7/8 (98)       |

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# 2" (51 mm) Dia., Right Angle Models

- Flexible, non-marring Vacuum Shroud is constructed of high-quality clear urethane.
- Vacuum Shroud allows capture of dust, debris and contaminants such as Hexavalent Chromium.
- Low profile design – tool height of only 3-1/2" (89 mm).
- "Wick Lube" system extends gear life with simple lubrication.
- Safety-lock throttle lever is standard on all models.



## Self-Generated Vacuum Models

- Each model includes 51344 Backing Pad, for 2" (51 mm) diameter locking-type abrasive discs.
- Utilizes tool's exhaust to create strong vacuum suction.
- 1" (25 mm) diameter vacuum port ready for connection to optional portable dust-collection system (see page 7).

### Model 51225

.4 hp (298 W), 12,000 RPM, Rear Exhaust

### Model 51226

.4 hp (298 W), 15,000 RPM, Rear Exhaust

### Model 51227

.4 hp (298 W), 20,000 RPM, Rear Exhaust



## Central Vacuum Models

- Each model includes 51344 Backing Pad, for 2" (51 mm) diameter locking-type abrasive discs.
- 1-1/4" (32 mm) diameter vacuum port allows connection to external or central vacuum system.

### Model 51230

.4 hp (298 W), 12,000 RPM, Rear Exhaust

### Model 51231

.4 hp (298 W), 15,000 RPM, Rear Exhaust

### Model 51232

.4 hp (298 W), 20,000 RPM, Rear Exhaust



| Model Number | Motor hp (W) | Motor RPM | Maximum Air Flow SCFM (LPM) | Hose I.D. Size Inch (mm) | Air Inlet Thread | Spindle Thread | Weight Pound (kg) | Length Inch (mm) | Height Inch (mm) |
|--------------|--------------|-----------|-----------------------------|--------------------------|------------------|----------------|-------------------|------------------|------------------|
| 51225        | .4 (298)     | 12,000    | 20 (556)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.4 (.6)          | 9 (228)          | 3-1/2 (90)       |
| 51226        | .4 (298)     | 15,000    | 20 (556)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.4 (.6)          | 9 (228)          | 3-1/2 (90)       |
| 51227        | .4 (298)     | 20,000    | 20 (556)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.4 (.6)          | 9 (228)          | 3-1/2 (90)       |
| 51230        | .4 (298)     | 12,000    | 20 (556)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.7 (.7)          | 9-3/4 (249)      | 3-1/2 (90)       |
| 51231        | .4 (298)     | 15,000    | 20 (556)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.7 (.7)          | 9-3/4 (249)      | 3-1/2 (90)       |
| 51232        | .4 (298)     | 20,000    | 20 (556)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.7 (.7)          | 9-3/4 (249)      | 3-1/2 (90)       |

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

# 2" (51 mm) Dia. Vacuum Shroud

## Part No. 52742

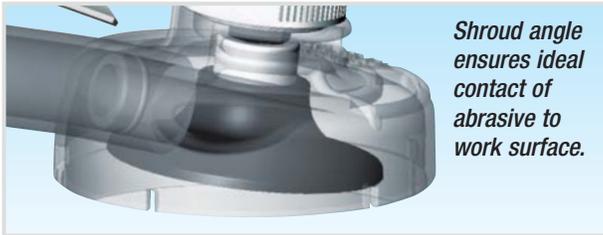
- Lightweight, flexible, non-marring.
- Clear urethane allows optimum view of work surface.
- Accommodates optional abrasive discs, 2" (51 mm) in diameter.



# 3" (76 mm) Dia. Right Angle Models

## Self-Generated Vacuum Models

- Each model includes 51346 Backing Pad, for 3" (76 mm) diameter locking-type abrasive discs.
- 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 (see page 7).
- Vacuum Shroud constructed of high-quality clear urethane. Unique "view port" allows operator to see edge of sanding disc, and offers optimum view of work surface.
- Flexible, non-marring Vacuum Shroud allows capture of dust, debris and contaminants (including Hexavalent Chromium).
- "Wick Lube" system extends gear life with simple lubrication.



### Model 50210 *Trimmed Shroud*

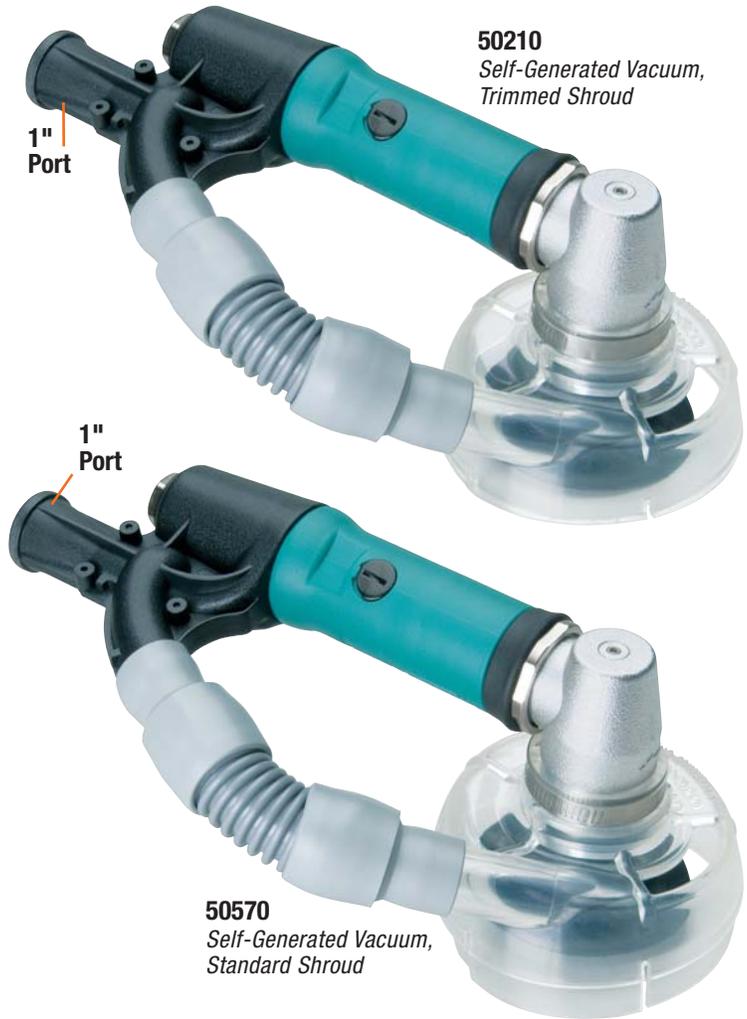
**.4 hp (298 W), 15,000 RPM, Rear Exhaust**

- Trimmed Shroud height of 1" (25 mm) accommodates 3" (76 mm) diameter locking-type abrasive discs (sold separately).

### Model 50570 *Standard Shroud*

**.4 hp (298 W), 15,000 RPM, Rear Exhaust**

- Standard Shroud height of 1-1/2" (38 mm) accommodates 2" (51 mm) diameter bristle-type discs (sold separately).
- Standard Shroud may also be trimmed for accommodating 3" (76 mm) locking-type coated abrasive and non-woven nylon discs.



| Model Number | Motor hp (W) | Motor RPM | Maximum Air Flow SCFM (LPM) | Hose I.D. Size Inch (mm) | Air Inlet Thread | Spindle Thread | Weight Pound (kg) | Length Inch (mm) | Height Inch (mm) |
|--------------|--------------|-----------|-----------------------------|--------------------------|------------------|----------------|-------------------|------------------|------------------|
| 50210        | .4 (298)     | 15,000    | 21 (595)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.7 (.7)          | 9-3/4 (247)      | 3-7/8 (98)       |
| 50570        | .4 (298)     | 15,000    | 21 (595)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.7 (.7)          | 9-3/4 (247)      | 4-3/8 (109)      |

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

## Vacuum Conversion Kit

**Converts 3" (76 mm) Dia. Non-Vacuum Disc Sander to Central Vacuum**

### 54603 Conversion Kit *Trimmed Shroud*

- Includes 50789 Trimmed Shroud, vacuum hose, swivel hose cuff assembly with 1-1/4" (38 mm) port, hose clamp.



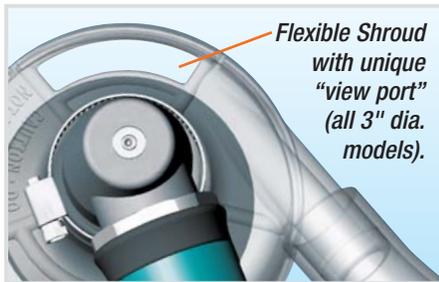
### 54602 Conversion Kit *Standard Shroud*

- Includes 50771 Standard Shroud, vacuum hose, swivel hose cuff assembly with 1-1/4" (38 mm) port, hose clamp.



## Central Vacuum Models

- Each model includes 51346 Backing Pad, for 3" (76 mm) diameter locking-type abrasive discs.
- 1-1/4" (32 mm) diameter vacuum port ready for connection to external or central vacuum system.
- Vacuum Shroud constructed of high-quality clear urethane. Unique "view port" allows operator to see edge of sanding disc, and offers optimum view of work surface.
- Flexible, non-marring Vacuum Shroud allows capture of dust, debris and contaminants (including Hexavalent Chromium) for cleaner, safer work environment.
- Vacuum Shroud angle ensures ideal surface contact for maximum debris extraction.
- "Wick Lube" system extends gear life with simple lubrication.



### Model 50211 Trimmed Shroud .4 hp (298 W), 15,000 RPM, Rear Exhaust

- Trimmed Shroud height of 1" (25 mm) accommodates 3" (76 mm) diameter locking-type abrasive discs (sold separately).

### Model 50561 Standard Shroud .4 hp (298 W), 15,000 RPM, Rear Exhaust

- Standard Shroud height of 1-1/2" (38 mm) accommodates 2" (51 mm) diameter bristle-type discs (sold separately).
- Standard Shroud may also be trimmed for accommodating 3" (76 mm) locking-type coated abrasive and non-woven nylon discs.

| Model Number | Motor hp (W) | Motor RPM | Maximum Air Flow SCFM (LPM) | Hose I.D. Size Inch (mm) | Air Inlet Thread | Spindle Thread | Weight Pound (kg) | Length Inch (mm) | Height Inch (mm) |
|--------------|--------------|-----------|-----------------------------|--------------------------|------------------|----------------|-------------------|------------------|------------------|
| 50211        | .4 (298)     | 15,000    | 21 (595)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.7 (.7)          | 10-1/2 (266)     | 3-7/8 (98)       |
| 50561        | .4 (298)     | 15,000    | 21 (595)                    | 1/4 (6)                  | 1/4" NPT         | 1/4"-20 Male   | 1.7 (.7)          | 10-1/2 (266)     | 4-3/8 (109)      |

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

## 3" (76 mm) Dia. Vacuum Shrouds

### 50789 Trimmed Shroud

- Lightweight, flexible, non-marring.
- Clear urethane, with "view port" for optimum work surface visibility.
- For use with optional coated abrasive and non-woven nylon discs.



### 50771 Standard Shroud

- Lightweight, flexible, non-marring.
- Clear urethane, with "view port" for optimum work surface visibility.
- For use with optional bristle-type discs.
- May also be trimmed for customized use.



# 5" (127 mm) Dia., Right Angle Model

- Flexible, non-marring Vacuum Shroud is constructed of high-quality clear urethane.
- Vacuum Shroud allows capture of dust, debris and contaminants such as Hexavalent Chromium.
- Shroud brush assists in capture of airborne contaminants.
- Ideal for use on non-ferrous surfaces such as fiberglass and composites. A vital tool in the marine industry and aftermarket!



## Model 52596 Central Vacuum 12,000 RPM, 5/8"-11 Spindle Thread

- Dynabrade 1.3 hp Disc Sander (52635) with 52744 Vacuum Shroud.
- Tool includes 51150 Backing Pad, 5" (127 mm) diameter, plus mounting hardware.
- Accepts optional 5" (127 mm) diameter Abrasive Discs with 7/8" (22 mm) center hole.
- Robust, governor-controlled 1.3 hp (970 W) air motor.
- Tool housing and handle made of solid cast aluminum.
- Insulated throttle handle reduces cold air transmission.
- Vacuum Shroud angle ensures ideal surface contact for maximum debris extraction.
- "Wick Lube" system extends gear life with simple lubrication.
- Tool includes vibration-dampening side handle.
- Safety-lock throttle lever is standard.



**NEW!**

| Model Number | Motor hp (W) | Motor RPM | Maximum Air Flow SCFM (LPM) | Hose I.D. Size Inch (mm) | Air Inlet Thread | Spindle Thread | Weight Pound (kg) | Length Inch (mm) | Height Inch (mm) |
|--------------|--------------|-----------|-----------------------------|--------------------------|------------------|----------------|-------------------|------------------|------------------|
| 52596        | 1.3 (970)    | 12,000    | 43 (1218)                   | 3/8 (10)                 | 3/8" NPT         | 5/8"-11 Male   | 5.5 (2.5)         | 16 (410)         | 4 (100)          |

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

## Vacuum Shroud Assembly

- 52744 Vacuum Shroud Assembly is sold separately, for attachment to Dynabrade 52635 Disc Sander.
- Individual components (as shown) also sold separately.



## Customers Tell the Story

From a fiberglass tank manufacturer:  
"We are extremely satisfied with this tool."

From a yacht manufacturer:  
"Our operators are satisfied to the point where their sanding techniques now maximize the capture of contaminants."

From a fiberglass fabricator:  
"Testing this tool has yielded excellent results."



# Disc Sanding Pads and Accessories

## 2" (51 mm) and 3" (76 mm) Pads For Locking-Type Discs

- A quick turn of the disc locks it into place.
- 2" (51 mm) and 3" (76 mm) dia. pads accept locking-type coated abrasive and non-woven nylon discs.



*Use tool RPM and abrasive manufacturer's maximum operating speed as your guidelines for compatibility.*

| Pad Diameter | Part Number | Pad MOS RPM | Thread         | Density |
|--------------|-------------|-------------|----------------|---------|
| 2" (51 mm)   | 51344       | 30,000      | 1/4"-20 Female | Medium  |
|              | 51345       | 30,000      | 3/8"-24 Female | Medium  |
| 3" (76 mm)   | 51346       | 20,000      | 1/4"-20 Female | Medium  |
|              | 51347       | 20,000      | 3/8"-24 Female | Medium  |

## Electric Portable Vacuum System

- Heavy duty stainless steel drum; variable vacuum control.
- HEPA filtration (0.3 micron) with felt insert and paper bag.
- Electronic thermal protection device prevents heat overload of motor.
- Heavy duty four-wheel trolley with easy "tilt 'n clean" drum.

### 61300 9.9 Gallon (36 Liter) Capacity

- 120 V (AC)

### 61301 17 Gallon (64 Liter) Capacity

- 120 V (AC)



**Portable Vacuum Available in Many Voltage Formats.**

**PLEASE NOTE:** Portable Vacuum to be used with non-ferrous surfaces only.

## 5" (127 mm) Dia. Disc Sander Backing Pads

### Thermoplastic Pad with Fins

- Accepts abrasive discs with 7/8" (22 mm) center hole.
- Fins help expel heat from disc pad extending disc life.
- Flange nut included.



| Pad Diameter | Part Number | Pad MOS RPM | Thread         | Duty    |
|--------------|-------------|-------------|----------------|---------|
| 5" (127 mm)  | 50296       | 12,000      | 5/8"-11 Female | Heavy   |
|              | 51150       | 12,000      | 5/8"-11 Female | General |

### Rubber Molded Pad with Spiral Ribs

- Accepts abrasive discs with 7/8" (22 mm) center hole.
- Spiral ribs provide contact points and form air-flow channels, extending disc life.
- Slotted hub draws cool air behind disc.
- Flange nut included.



| Pad Diameter | Part Number | Pad MOS RPM | Thread         | Density |
|--------------|-------------|-------------|----------------|---------|
| 5" (127 mm)  | 50282       | 13,000      | 5/8"-11 Female | Medium  |

## Flex-Hose Systems

- For use with Self-Generated Vacuum Tools.
- Both systems include 1" (25 mm) dia. x 6' (1.8 m) long 50682 Flex-Hose.

### 50617

- Includes 50683 Bag with hook-face closure.

### 56303

- Includes 56304 Bag with zipper-lock closure.



# Abrasive Discs for Vacuum Disc Sanders

## DynaCut Locking-Type Discs

### Zirconia Alumina Coated Abrasives

- For metal removal, grinding and blending light welds, light deburring and finishing.



| Pad Dia.      | Vacuum Type | Number of Holes | 36 Grit | 50 Grit | 60 Grit | 80 Grit | 120 Grit |
|---------------|-------------|-----------------|---------|---------|---------|---------|----------|
| 2"<br>(51 mm) | Non-Vac     | 0               | ▲       | ▲       | 78100   | 78101   | 78102    |
|               | Vacuum      | 5               | 92041   | 92042   | ▲       | 92043   | ▲        |
| 3"<br>(76 mm) | Non-Vac     | 0               | ▲       | ▲       | 78104   | 78105   | 78106    |
|               | Vacuum      | 5               | 92041   | 92042   | ▲       | 92043   | ▲        |

▲ Please call for availability and pricing.

## DynaBrite Locking-Type Discs

### Non-Woven Nylon

- For cleaning, deburring, blending, finishing and polishing.



| Pad Dia.      | SE Coarse | Coarse Brown | Medium Maroon | Very Fine Blue | Super Fine Gray |
|---------------|-----------|--------------|---------------|----------------|-----------------|
| 2"<br>(51 mm) | ▲         | 78123        | –             | –              | –               |
|               | ▲         | –            | 78122         | 78121          | 78120           |
| 3"<br>(76 mm) | ▲         | 78128        | –             | –              | –               |
|               | ▲         | –            | 78127         | 78126          | 78125           |

▲ Please call for availability and pricing.

## Merit Ceramic Fiber Discs

### 12,000 Maximum RPM

- For material removal, grinding and blending welds, deburring and finishing.



| Pad Dia.       | Center Hole  | 36 Grit | 50 Grit | 60 Grit | 80 Grit |
|----------------|--------------|---------|---------|---------|---------|
| 5"<br>(127 mm) | 7/8" (22 mm) | 79333   | –       | –       | –       |
|                | 7/8" (22 mm) | –       | 79334   | –       | –       |
|                | 7/8" (22 mm) | –       | –       | 79335   | –       |
|                | 7/8" (22 mm) | –       | –       | –       | 79336   |

## DynaBrite Discs with Hole

### Non-Woven Nylon

- For stock removal, deburring, blending welds, rust removal, cleaning and finishing.



| Pad Dia.       | Center Hole  | Max. RPM | Coarse | Medium | Very Fine |
|----------------|--------------|----------|--------|--------|-----------|
| 5"<br>(127 mm) | 7/8" (22 mm) | 12,150   | 78343  | –      | –         |
|                | 7/8" (22 mm) | 12,150   | –      | 78344  | 78345     |

**Ask about Dynabrade's Complete Offering of Abrasives!**



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