



DYNABRADE

DIE GRINDERS

Non-Vacuum Models

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Pencil Grinders

Rotary Vane Air Motor Models



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Precision Deburring and Finishing with Adjustable Speed

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
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- An ideal tool for use in casting houses, effective on cast parts of aluminum, bronze and brass. Quickly and efficiently removes gates and parting lines in cast parts.
- High-efficiency rotary vane air motor.
- Adjustable tool speed from 5,000 RPM to 25,000 RPM.
- Operate tool and adjust speed by simply rotating rear roll valve.
- Collet cap has tactile grip to protect operator from rotating collet, and allow fingertip control.
- Changing of attachment is achieved with easy, two-wrench maneuver.
- Unique housing shape allows tool to be held as a traditional Die Grinder.



Model 52861



Model 52861

Rotary Vane Pencil Grinder is ideal for precision deburring.

Model 52861
1/8" Collet

Model 52862
3 mm Collet

Model 52863
1/4" Collet

Model 52864
6 mm Collet



52898 Thread Guard

Optional Thread Guard allows easy access to collet cap. With Thread Guard in place, larger diameter accessories may be run by tool. (All accessories must have maximum operating speed of 25,000 RPM).

Model Number	Motor hp (W)	Collet Size	Motor RPM	Sound Level	Exhaust	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Diameter Inch (mm)
52861	0.4 (298)	1/8"	25,000	76 dB(A)	Rear	20 (566)	1/4 (6)	1/4" NPT	1.1 (.48)	5.66 (144)	1-1/2 (39)
52862	0.4 (298)	3 mm	25,000	76 dB(A)	Rear	20 (566)	1/4 (6)	1/4" NPT	1.1 (.48)	5.66 (144)	1-1/2 (39)
52863	0.4 (298)	1/4"	25,000	76 dB(A)	Rear	20 (566)	1/4 (6)	1/4" NPT	1.1 (.48)	5.66 (144)	1-1/2 (39)
52864	0.4 (298)	6 mm	25,000	76 dB(A)	Rear	20 (566)	1/4 (6)	1/4" NPT	1.1 (.48)	5.66 (144)	1-1/2 (39)

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

Pencil Grinders

Turbine-Driven Air Motor Models



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Precision Deburring and Finishing on a Variety of Surfaces

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

- High-efficiency air motor has no wearable gears, vanes or blades.
- **No lubrication required!** Oil-free operation minimizes maintenance time and repair costs.
- Air motor is controlled with patented governor, providing constant tool speed under load.
- Quality high-speed bearings are included.
- Housing has "non slip" rubber grip.
- Tactile safety features on shaft end alert operator to rotating collet area.
- Includes high-quality flexible air hose.



Model 51810

See page 48 for all models!



Model 51810

100,000 RPM Pencil Grinder offers enhanced cut rate.

DIE GRINDERS

Pencil Grinders

Turbine-Driven Air Motor Models



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Precision Deburring and Finishing on a Variety of Surfaces

35,000 RPM with **RED** Tool Cap

Model 51706
1/8" Collet

Model 51707
3 mm Collet

Model 51756
*1/8" Collet,
Extension Model*

Model 51708
3/32" Collet

Model 51756
Extension Model provides additional reach.



FOR USE WITH
Carbide Burrs, Rotary Files,
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SEE PAGE 251

50,000 RPM with **GOLD** Tool Cap

Model 51703
1/8" Collet

Model 51704
3 mm Collet

Model 51730
1/8" Collet, Ceramic Bearings

Model 51732
3 mm Collet, Ceramic Bearings

Model 51753
1/8" Collet, Extension Model

Model 51705
3/32" Collet

Model 51730
Ceramic Bearings provide better performance and durability with regard to high shaft speeds, dirt, extreme temperature and corrosion.



60,000 RPM with **TEAL** Tool Cap

Model 51700
1/8" Collet

Model 51701
3 mm Collet

Model 51731
1/8" Collet, Ceramic Bearings

Model 51733
3 mm Collet, Ceramic Bearings

Model 51740
1/8" Collet, Mount Stem

Model 51742
3 mm Collet, Mount Stem

Model 51750
1/8" Collet, Extension Model

Model 51702
3/32" Collet

Model 51740
Mount Stem for use only on robotic arms and other fixed mount applications.



WATCH Tool at Work!

100,000 RPM with **SILVER** Tool Cap • **Ceramic Bearings**

- Speed of 100,000 RPM offers enhanced cut rate. Ideal for use on metals, alloys, graphite, wood, glass and resin with high glass content.

Model 51810 *1/8" Collet*

Model 51811 *1/16" Collet*

Model 51812 *3/32" Collet*

Model 51813 *3 mm Collet*

Model 51810
Ceramic Bearings included in ALL 100,000 RPM models!



Model Number	Motor RPM	Sound Level	Exhaust	Maximum Air Flow SCFM (L/Min)	Air Pressure PSIG (Bar)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Diameter Inch (mm)
51706-51708	35,000	62 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51756	35,000	62 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	6 (152)	1-1/2 (39)
51703-51705	50,000	61 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51730-51732	50,000	66 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51753	50,000	61 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	6 (152)	1-1/2 (39)
51700-51702	60,000	66 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51731-51733	60,000	66 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51740-51742	60,000	66 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.5 (0.2)	7-3/16 (182)	1-1/2 (39)
51750	60,000	66 dB(A)	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	6 (152)	1-1/2 (39)
51810-51813	100,000	75 dB(A)	Rear	6 (170)	90 (6.2)	1/4 (6)	1/4" NPT	0.84 (0.38)	5-5/16 (135)	1-1/2 (39)

DIE GRINDERS

Quick-Change Pencil Grinder

Turbine-Driven Air Motor Models



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Precision Deburring in Time-Saving Design!

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

NEW Quick-Change Lever

Turn lever outward 90° to open collet insert and easily replace accessory.

NEW Rapid-Stop Brake

Built-in brake stops tool motor within ONE SECOND!

Built-In Swivel

Provides 360° maneuverability of air line!



Accepts Variety of Accessories

Powers Carbide Burrs and Mounted Points, sold separately.

High-Quality Air Line

1/4" (6 mm) in diameter and 6 feet (1.82 m) in length.



93351 Carbide Burr Kit includes 12 Burrs (1/8"). See page 251.

Model 60051 with **TEAL** Tool Cap
60,000 RPM, 1/8" Collet

Model 60052 with **RED** Tool Cap
35,000 RPM, 3/32" Collet

- High-efficiency turbine-driven air motor has no wearable gears, vanes or blades.
- Oil-free operation minimizes maintenance time and repair costs.
- Air motor controlled by patented governor, providing constant tool speed under load.
- Tool housing has non-slip rubber grip for additional control.
- Tactile cues on shaft end alert operator to rotating collet area.
- Quality high-speed bearings ensure consistent, reliable operation.
- 1/8" and 3/32" Collets are interchangeable within each model.
- 3 mm Collet (60120) is also available.



One-Touch Operation

Handy switch allows simple on/off operation.

Model 60051



Model 60052



Model 60052

Quick-Change Pencil Grinder is ideal for use on tooling, dies, jewelry, molds and intricate parts.

Model Number	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Air Pressure PSIG (Bar)	Collet Size (Part No.)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
60051	60,000	78 dB(A)	8 (227)	90 (6.2)	1/8" (60118)	1.0 (0.45)	5-5/16 (135)	1-1/2 (38)
60052	35,000	65 dB(A)	8 (227)	90 (6.2)	3/32" (60119)	1.0 (0.45)	5-5/16 (135)	1-1/2 (38)

DIE GRINDERS

Central Vacuum Pencil Grinder

Turbine-Driven Air Motor Models



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VACUUM SHROUDS
PAGE 221

Precision Deburring with Source Capture!

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

- Each model includes urethane Vacuum Shroud, plus high-quality air line and flexible, durable vacuum hose.
- High-efficiency air motor has no wearable gears, vanes or blades. Oil-free operation minimizes maintenance time and repair costs.
- Air motor is controlled with patented governor, providing constant tool speed under load.



Model 51622

35,000 RPM with RED Tool Cap

Model 51622

1/8" Collet

- Includes 51739 Standard Vacuum Shroud.

Model 51623

1/8" Collet, Extension Model

- Includes 51785 Extension Vacuum Shroud.
- Greater shaft length provides additional reach.

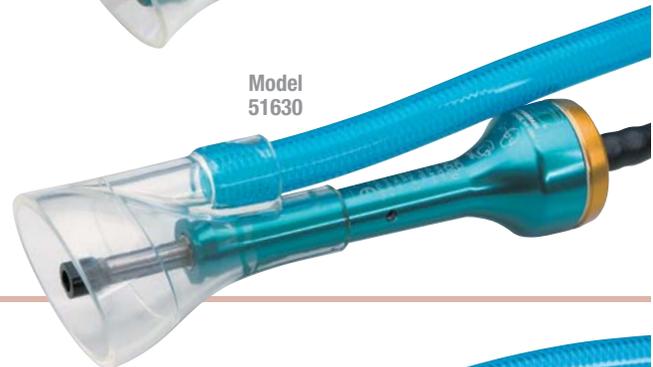
Model 51624

3 mm Collet

- Includes 51739 Standard Vacuum Shroud.



Model 51622



Model 51630

50,000 RPM with GOLD Tool Cap

Model 51629

1/8" Collet

- Includes 51739 Standard Vacuum Shroud.

Model 51630

1/8" Collet, Extension Model

- Includes 51785 Extension Vacuum Shroud.
- Greater shaft length provides additional reach.

Model 51631

3 mm Collet

- Includes 51739 Standard Vacuum Shroud.



Model 51632

60,000 RPM with TEAL Tool Cap

Model 51632

1/8" Collet

- Includes 51739 Standard Vacuum Shroud.

Model 51633

1/8" Collet, Extension Model

- Includes 51785 Extension Vacuum Shroud.
- Greater shaft length provides additional reach.

Model 51634

3 mm Collet

- Includes 51739 Standard Vacuum Shroud.

Model Number	Motor hp (W)	Motor RPM	Maximum Air Flow SCFM (L/Min)	Collet Size	Hose I.D. Size Inch (mm)	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Diameter Inch (mm)
51622	.1 (75)	35,000	8 (227)	1/8"	1/4 (6)	90 (6.2)	1.1 (.5)	5-1/4 (132)	1-7/8 (49)
51623	.1 (75)	35,000	8 (227)	1/8"	1/4 (6)	90 (6.2)	1.2 (.5)	6 (152)	1-7/8 (49)
51624	.1 (75)	35,000	8 (227)	3 mm	1/4 (6)	90 (6.2)	1.1 (.5)	5-1/4 (132)	1-7/8 (49)
51629	.1 (75)	50,000	8 (227)	1/8"	1/4 (6)	90 (6.2)	1.1 (.5)	5-1/4 (132)	1-7/8 (49)
51630	.1 (75)	50,000	8 (227)	1/8"	1/4 (6)	90 (6.2)	1.2 (.5)	6 (152)	1-7/8 (49)
51631	.1 (75)	50,000	8 (227)	3 mm	1/4 (6)	90 (6.2)	1.1 (.5)	5-1/4 (132)	1-7/8 (49)
51632	.1 (75)	60,000	8 (227)	1/8"	1/4 (6)	90 (6.2)	1.1 (.5)	5-1/4 (132)	1-7/8 (49)
51633	.1 (75)	60,000	8 (227)	1/8"	1/4 (6)	90 (6.2)	1.2 (.5)	6 (152)	1-7/8 (49)
51634	.1 (75)	60,000	8 (227)	3 mm	1/4 (6)	90 (6.2)	1.1 (.5)	5-1/4 (132)	1-7/8 (49)

DIE GRINDERS

Dynabrade Die Grinders

The Choice Is Yours! Discover The Dynabrade Difference!

Dynabrade Die Grinders Offered in a Variety of Configurations

Geared and Gearless Tool Offerings

- Geared Tools generally have higher torque levels and broader power range, while gearless tools offer reduced maintenance and downtime.

Two Types of Gearing

- **Planetary gears** are inline speed reduction gears. The greater the reduction, the higher the torque levels.
- **Right angle bevel gears** turn the spindle of the machine 90° from the motor. Typically there is a speed reduction but not as much as planetary gears.

Gearless Tools

- Gearless tools have lower vibration levels due to the omission of transmitting power through gears.
- They offer longer tool life with fewer wearable parts, resulting in reduced maintenance and downtime.
- Among tools with the same horsepower rating, gearless tools will generally have lower torque levels than geared tools.
- Look for the gearless icon (right) to quickly identify a gearless model.



Gearless

Exhaust and Muffler Offerings

- Choose from front exhaust, rear exhaust (with extended muffler), and rear exhaust (with standard muffler).

Front Exhaust

- Front exhaust tools direct debris away as tool is running, allowing clear view of work surface.



Rear Exhaust

- **Extended muffler design** is ideal for larger hands, as the tool length is extended to accommodate the higher performing, tri-muffling technology.



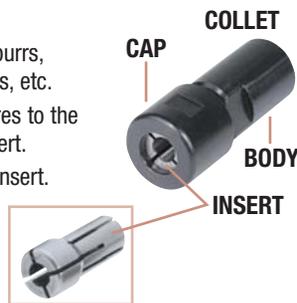
- Abbreviated length of **standard muffler** is ideal for smaller hands.



Die Grinder Collets and Inserts *Dynabrade Die Grinders Feature Precision-Made Collets and Inserts*

Terminology

- **COLLET:** Device used to hold carbide burrs, rotary files, mounted points and wheels, etc.
- **BODY:** The part of the collet that secures to the spindle of the tool and accepts the insert.
- **CAP:** Secures collet body and retains insert.
- **INSERT:** The collapsible portion of the collet that retains the shank of the inserted tool.



Collet Assembly Types

- **Two-Piece:** Insert threads into body.
- **Three-Piece:** Insert slips into body; cap threads to body, retaining the insert.
- **Four-Piece:** Insert slips into body; cap slips over body; nut retains cap and insert.
- **Integrated:** Collet body is integrated into tool.



TOOL THREAD...	...CHOOSE COLLET...			...THEN CHOOSE COMPATIBLE COLLET INSERT									
Tool Thread	Collet Size	Collet Part Number	Collet Type	1/16"	3/32"	1/8"	3/16"	1/4"	3/8"	2 mm	3 mm	6 mm	8 mm
3/8"-24 Male (200 series*)	1/4"	50010	3-Piece		01374	50065	01375	50013 [‡]	50014			50016	50039
	6 mm	50015	3-Piece		01374	50065	01375	50013	50014			50016 [‡]	50039
M8x1 Male (300 series**) (200 series*)	1/4"	50020	2-Piece			01647		01644 [‡]		01467	01648	01648	
	1/4"	50080	3-Piece		01372	01495	01373	01485 [‡]		01467	01496	01497	
	6 mm	50079	3-Piece		01372	01495	01373	01485		01467	01496	01497 [‡]	
	1/4"	51124	4-Piece		01372	01495	01373	01485 [‡]		01467	01496	01497	
	6 mm	51125	4-Piece		01372	01495	01373	01485		01467	01496	01497 [‡]	
5/16"-24 Male (300 series**) (200 series*)	3/8"	50018	3-Piece		01374	50065	01375	50013	50014 [‡]			50016	50039
1/2"-20 Male (200 series*)	1/4"	51106	4-Piece		01372	01495	01373	01485 [‡]		01467	01496	01497	
	6 mm	51110	4-Piece		01372	01495	01373	01485		01467	01496	01497 [‡]	
1/4"-28 Male*	1/4"	50066	3-Piece			50065	01375	50013 [‡]	50014			50016	50039
	6 mm	50073	3-Piece			50065	01375	50013	50014			50016 [‡]	50039
Integrated Collets													
.4 hp Rt. Angle Die Grinders**					01372	01495	01373	01485		01467	01496	01497	
Mini-Dynaflex® II						01647		01644			01648	01646	
Standard Pencil Grinders				51780	51674	51659					51673		
Quick-Change Pencil Grinders					60119	60118					60120		

[‡]Denotes Standard Insert included with Collet.

.4 hp Die Grinders

Straight-Line, Front and Rear Exhaust



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For Use on Metal, Fiberglass, Carbon Fiber, Composites and More!

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

Dynabrade .4 hp (298 W) Die Grinders offer innovative design for peak efficiency and longer life! Ideal for rapid material removal, deburring, finishing and polishing, these tools represent the **FINEST** in Dynabrade quality and innovation!



Model 47201
3,200 RPM

See all models on pages 53-54!

DIE GRINDERS

Integrated Safety-Lock Throttle Lever

Included on all models. Contoured shape for operator comfort, with new dowel pin that minimizes lever wear.

Governor-Controlled Motor

(950 RPM to 30,000 RPM Models)

Maintains consistent motor speed under load and delivers optimal power.

Ergonomic Tool Housing

Oval-shaped housing conforms to natural shape of hand for optimum comfort.

Lightweight Tool Design

Each model weighs 0.5 oz (15 g) **less** than its previous version!

3-Vane Tool Rotor

3-vane rotor allows wider offering of tool speeds. Achieves stall-torque and horsepower performance equal to tools with 4-vane rotor.



Thermal Isolation Cavity

Pocket of still air between composite housing and housing core thermally isolates operator's hand from temperature extremes within motor.

Hardened Tool Cylinder

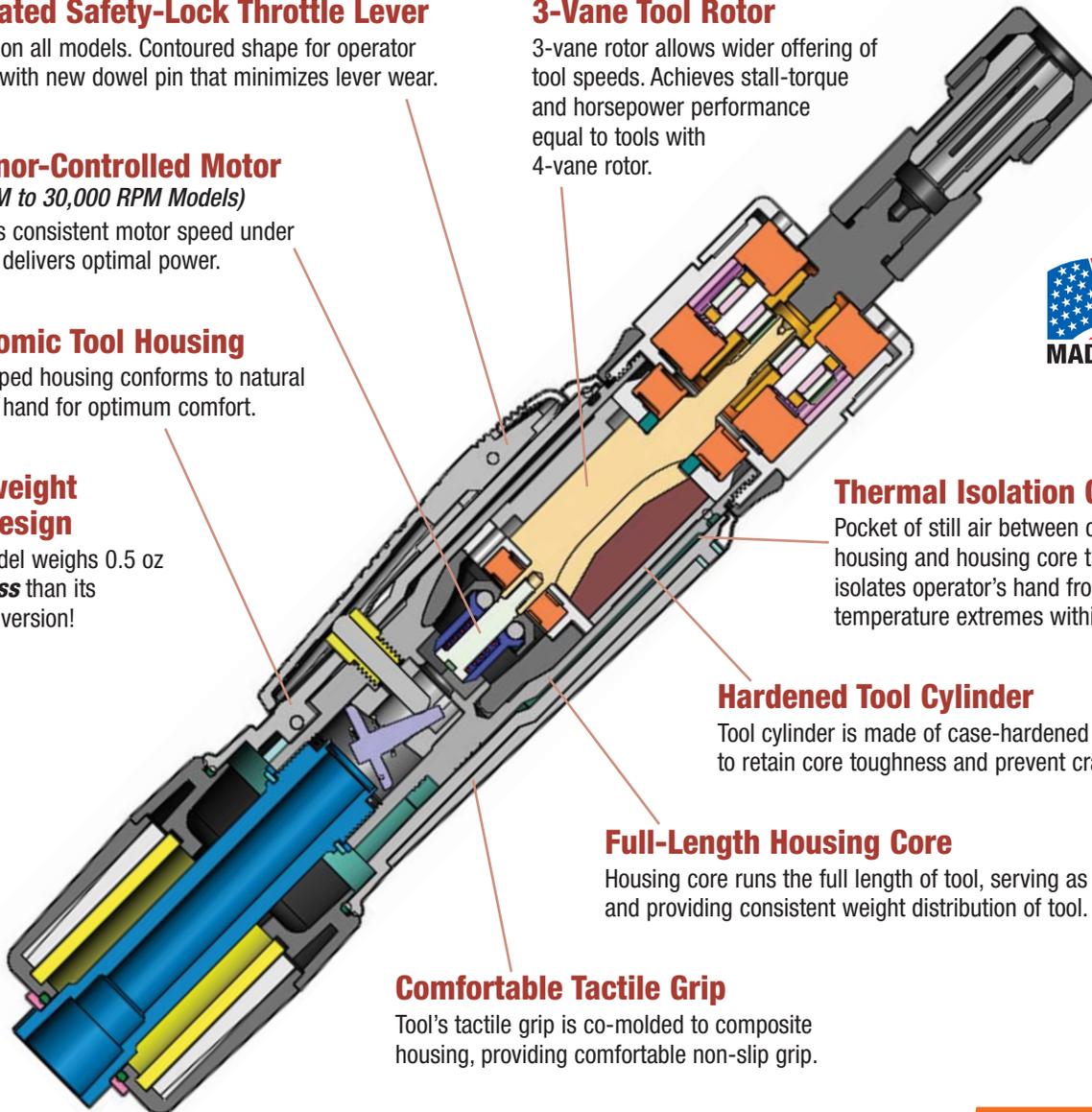
Tool cylinder is made of case-hardened material, to retain core toughness and prevent cracking.

Full-Length Housing Core

Housing core runs the full length of tool, serving as "backbone" and providing consistent weight distribution of tool.

Comfortable Tactile Grip

Tool's tactile grip is co-molded to composite housing, providing comfortable non-slip grip.



.4 hp Die Grinders

Straight-Line, Governor-Controlled, Rear Exhaust



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High-Quality Air-Powered Die Grinders

- Governor-control maintains consistent motor speed under load and delivers optimal power.
- Extended muffler design ensures lowest sound level.

Model 47200

950 RPM, 1/4" & 6 mm Collets

Model 47201

3,200 RPM, 1/4" & 6 mm Collets

Model 47202

5,000 RPM, 1/4" & 6 mm Collets



Model 47201

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Collet Insert	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
47200	.4 (298)	950	79 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	1.9 (.9)	11 (280)	1.7 (44)
47201	.4 (298)	3,200	75 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	1.4 (.6)	9.8 (250)	1.7 (44)
47202	.4 (298)	5,000	78 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	1.4 (.6)	9.8 (250)	1.7 (44)

Tune-Up Kit: No. 96541 (page 267) • Additional Specifications: Hose I.D. Size 1/4" (6 mm) • Air Inlet Thread 1/4" NPT

.4 hp Die Grinders

Straight-Line, Gearless, Rear Exhaust



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High-Quality Air-Powered Die Grinders

- Governor-control maintains consistent motor speed under load and delivers optimal power.
- Gearless motors decrease downtime and lessen repair expense when compared to geared tools.
- Collet design reduces run-out.
- Extended muffler design ensures lowest sound level.

Model 48201

25,000 RPM, 1/4" & 6 mm Collets

Model 48203

30,000 RPM, 1/4" & 6 mm Collets

Model 48350

35,000 RPM, 1/8" & 3 mm Collets

Model 48355

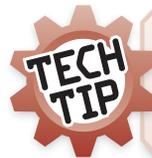
35,000 RPM, 1/4" & 6 mm Collets

See page 69 for Vacuum Models!



Model 48350

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251



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)	Collet Insert	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48201	.4 (298)	25,000	77 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	.9 (.4)	8 (202)	1.7 (44)
48203	.4 (298)	30,000	77 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	.9 (.4)	8 (202)	1.7 (44)
48350	.4 (298)	35,000	79 dB(A)	23 (651)	1/8" / 3 mm	90 (6.2)	.9 (.4)	8 (202)	1.7 (44)
48355	.4 (298)	35,000	79 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	.9 (.4)	8 (202)	1.7 (44)

Tune-Up Kit: No. 96541 (page 267) • Additional Specifications: Hose I.D. Size 1/4" (6 mm) • Air Inlet Thread 1/4" NPT

DIE GRINDERS

.4 hp Die Grinders

Straight-Line, Gearless, Rear Exhaust



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High-Quality Air-Powered Die Grinders

- Governor-control maintains consistent motor speed under load and delivers optimal power.
- Features standard muffler for more compact design.

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251



Model 48325

Model 48360

20,000 RPM,
1/4" & 6 mm Collets

Model 48325

25,000 RPM,
1/4" & 6 mm Collets

Model 48327

30,000 RPM,
1/4" & 6 mm Collets

Model 48365

20,000 RPM,
1/8" & 3 mm Collets

Model 48370

25,000 RPM,
1/8" & 3 mm Collets

Model 48345

30,000 RPM,
1/8" & 3 mm Collets

Model 48341

30,000 RPM,
1/8" & 3 mm Collets

- Four-piece collet design.

- Four-piece collet design.

- Four-piece collet design.

- Includes 94994 Overhose Assembly.



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Collet Insert	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
48325	.4 (298)	25,000	79 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	.9 (.4)	6.5 (166)	1.7 (44)
48327	.4 (298)	30,000	76 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	.9 (.4)	6.5 (166)	1.7 (44)
48341	.4 (298)	30,000	82 dB(A)	23 (651)	1/8" / 3 mm	90 (6.2)	.9 (.4)	6.5 (166)	1.7 (44)
48345	.4 (298)	30,000	82 dB(A)	23 (651)	1/8" / 3 mm	90 (6.2)	.9 (.4)	6.5 (166)	1.7 (44)
48360	.4 (298)	20,000	76 dB(A)	23 (651)	1/4" / 6 mm	90 (6.2)	.9 (.4)	6.4 (162)	1.7 (44)
48365	.4 (298)	20,000	76 dB(A)	23 (651)	1/8" / 3 mm	90 (6.2)	.9 (.4)	6.4 (162)	1.7 (44)
48370	.4 (298)	25,000	79 dB(A)	23 (651)	1/8" / 3 mm	90 (6.2)	.9 (.4)	6.4 (162)	1.7 (44)

Tune-Up Kit: No. 96541 (page 267) • Additional Specifications: Hose I.D. Size 1/4" (6 mm) • Air Inlet Thread 1/4" NPT

DIE GRINDERS

.4 hp Die Grinders

Straight-Line, Gearless, Front Exhaust



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High-Quality Air-Powered Die Grinders

- Gearless motors decrease downtime and lessen repair expense when compared to geared tools.

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

Model 52200

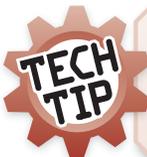
25,000 RPM,
1/4" & 6 mm Collets

Model 52202

30,000 RPM,
1/4" & 6 mm Collets



Model 52200



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



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)
52200	.4 (298)	25,000	73 dB(A)	20 (566)	1/4 (6)	1/4" NPT	90 (6.2)	0.8 (0.4)	5-1/8 (130)	1-5/8 (41)
52202	.4 (298)	30,000	84 dB(A)	20 (566)	1/4 (6)	1/4" NPT	90 (6.2)	0.8 (0.4)	5-1/8 (130)	1-5/8 (41)

Tune-Up Kit: No. 96048 (page 267)

Guide to NEW .4 hp Die Grinders

Overview of NEW Dynabrade .4 hp Die Grinders, and Previous Models Being Replaced

Right Angle Models

- All include 1/4" and 6 mm Collets.

Front Exhaust

NEW Model No.	Motor RPM	Page No.	Previous 1/4" Model	Previous 6 mm Model
47800	12,000	57	51800	51803
47801	15,000	57	51801	51804
47802	20,000	57	51802	51805

Rear Exhaust, Extended Muffler

NEW Model No.	Motor RPM	Page No.	Previous 1/4" Model	Previous 6 mm Model
46000	12,000	57	50000	50003
46001	15,000	57	50001	50004
46002	20,000	57	50002	50005

Rear Exhaust

NEW Model No.	Motor RPM	Page No.	Previous 1/4" Model	Previous 6 mm Model
49425	3,200	57	53425	N/A
48315	12,000	57	52315	52318
48316	15,000	57	52316	52319
48317	20,000	57	52317	52320

Angle-Head Model

- 1/4" Collet

Rear Exhaust, Extended Muffler

NEW Model No.	Motor RPM	Page No.	Previous 1/4" Model	Previous 6 mm Model
49420	3,200	Below	53420	N/A

7° Offset Models

- All include 1/4" and 6 mm Collets.

Rear Exhaust, Extended Muffler

NEW Model No.	Motor RPM	Page No.	Previous 1/4" Model	Previous 6 mm Model
48205	25,000	58	52205	52251
48207	30,000	58	52207	N/A

Rear Exhaust

NEW Model No.	Motor RPM	Page No.	Previous 1/4" Model	Previous 6 mm Model
48335	25,000	58	52335	52331
48337	30,000	58	52337	52333

Rear Exhaust, Extended Muffler (Slow Speed)

NEW Model No.	Motor RPM	Page No.	Previous 1/4" Model	Previous 6 mm Model
47211	3,200	58	51211	51214
47212	5,000	58	51212	51215

.4 hp Die Grinder

Angle-Head, Planetary Geared, Rear Exhaust



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High-Quality Air-Powered Die Grinders

Model 49420 3,200 RPM, 1/4" Collet

- Includes 50055 Collet Assembly and extended rear exhaust muffler to reduce noise levels.
- Governor-controlled motor maintains speed under load.
- Safety-lock lever is included.
- Optional 54585 Side Handle Assembly is available.
- Lightweight thermal-insulated housing reduces cold air transmission and vibration to the operator.



FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

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)	Diameter Inch (mm)
49420	.4 (298)	3,200	80 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (0.8)	11.7 (296)	2.1 (53)

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

.4 hp Die Grinders

Right Angle and 7° Offset Models

See Our Features and Benefits: Discover The Dynabrade Difference!

Available in speeds of 3,200 RPM, 5,000 RPM, 12,000 RPM, 15,000 RPM, 20,000 RPM, 25,000 RPM and 30,000 RPM.

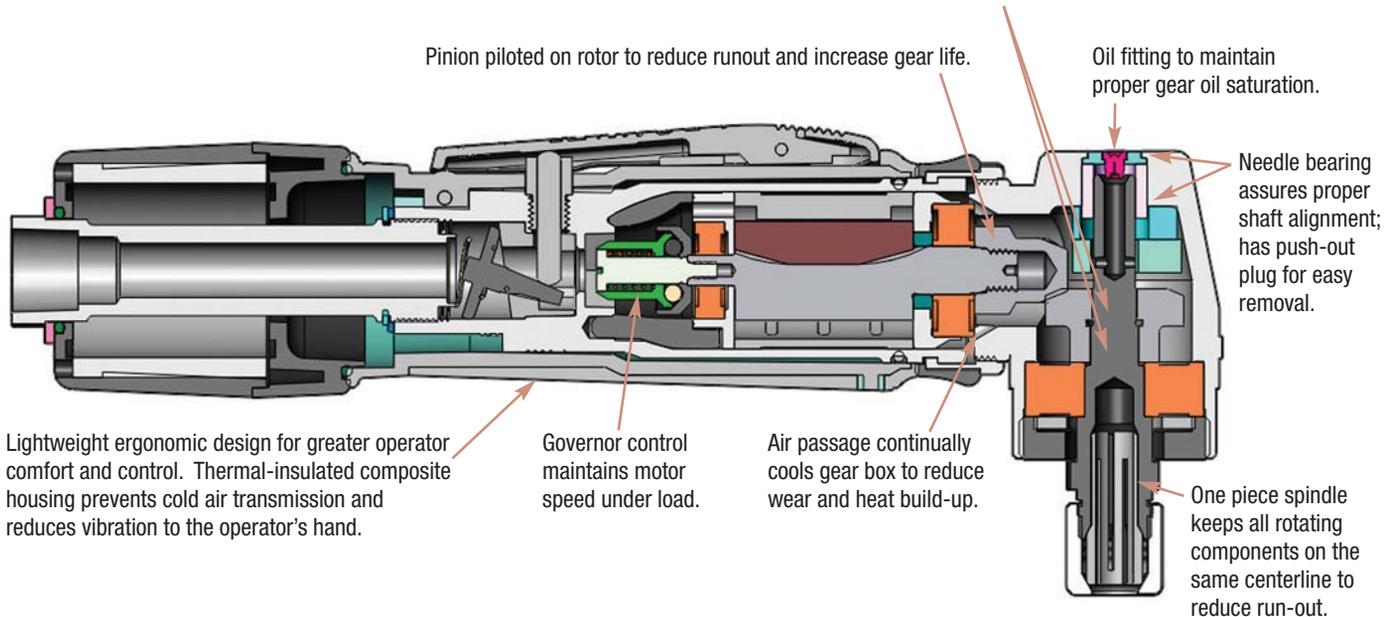
Tools include Kevlar® phenolic vanes for longer life.

Registered trademark of DuPont de Nemours, El, & Co., Inc.

See all models on pages 57-58!



Features dual wick lubrication system, saturated with gear oil for extended gear life (over 700 hours with proper use of gear oil), increased performance and reduced downtime.



Features and Advantages

- Kevlar® phenolic vanes for longer life.
- Lightweight ergonomic design for greater comfort and control.
- One-piece spindle keeps all rotating components on the same centerline for reduced run-out, which means lower vibration levels for enhanced operator comfort.
- Front and rear exhaust models. Air passage to continually cool the gear box – gears last longer!
- Pinion piloted on rotor to reduce run-out.
- Needle bearing assures proper shaft alignment.
- Dual wick lubrication system – saturated with gear oil for extended gear life – over 700 hours. This helps administer the right amount and keep the gear oil on the metal gears.
- Highest horsepower and torque levels of any similar competitive product.

Benefits

- Increased performance from higher torque levels. You can really “work” these tools. Stall out torque is the highest in the marketplace.
- We use **Gear Oil** as opposed to grease. **Gear Oil** is *specialy formulated to STICK TO METAL*. Grease does not stick and the centrifugal force of the spinning gears throws the grease away from the metal surface.
- Longer gear life means reduced downtime and less costly repairs.
- Front and rear exhaust models – user can decide which configuration is right for them. More choice means more control of their purchase.
- Insulated housings provide “warm tools” for the users and helps prevent worker’s injuries like “white finger”.
- Lower vibration levels help prevent worker injuries such as Carpal Tunnel Syndrome. Machines are easier to use because they do not “buzz” in your hands. Workers can use smooth running machines longer.
- Low profile machines are ideal for “hard-to-reach” areas. A performance plus!
- All machines are perfectly compatible with all Dynabrade Accessories. Providing systemized solutions for our customers is a key to Dynabrade’s success.

.4 hp Die Grinders

Right Angle, Front and Rear Exhaust



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High-Quality Air-Powered Die Grinders

Front Exhaust Models

- Governor-controlled motor maintains speed under load.

Model 47800

12,000 RPM, 1/4" & 6 mm Collets

Model 47801

15,000 RPM, 1/4" & 6 mm Collets

Model 47802

20,000 RPM, 1/4" & 6 mm Collets



Model 47800

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

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)
47800	.4 (298)	12,000	84 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.0 (.46)	6 (150)	2.9 (73)
47801	.4 (298)	15,000	86 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.0 (.46)	6 (150)	2.9 (73)
47802	.4 (298)	20,000	85 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.0 (.46)	6 (150)	2.9 (73)

Tune-Up Kit: No. 96541 (page 267)

Rear Exhaust Models with Extended Muffler

- Governor-controlled motor maintains speed under load.

Model 46000

12,000 RPM, 1/4" & 6 mm Collets

Model 46001

15,000 RPM, 1/4" & 6 mm Collets

Model 46002

20,000 RPM, 1/4" & 6 mm Collets



Model 46002

See page 69 for
Vacuum Models!

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)
46000	.4 (298)	12,000	78 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.2 (.55)	8 (203)	2.9 (73)
46001	.4 (298)	15,000	75 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.2 (.55)	8 (203)	2.9 (73)
46002	.4 (298)	20,000	78 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.2 (.55)	8 (203)	2.9 (73)

Tune-Up Kit: No. 96541 (page 267)

Rear Exhaust Models with Standard Muffler

- Governor-controlled motor maintains speed under load.

Model 49425

3,200 RPM, 1/4" & 6 mm Collets

Model 48315

12,000 RPM, 1/4" & 6 mm Collets

Model 48316

15,000 RPM, 1/4" & 6 mm Collets

Model 48317

20,000 RPM, 1/4" & 6 mm Collets



Model 48315

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)
48315	.4 (298)	12,000	81 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	6.5 (164)	2.9 (73)
48316	.4 (298)	15,000	79 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	6.5 (164)	2.9 (73)
48317	.4 (298)	20,000	83 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	6.5 (164)	2.9 (73)
49425	.4 (298)	3,200	81 dB(A)	25 (708)	1/4 (6)	1/4" NPT	90 (6.2)	1.5 (.68)	7.7 (196)	2.9 (73)

Tune-Up Kit: No. 96541 (page 267)

DIE GRINDERS

.4 hp Die Grinders

7° Offset, Front and Rear Exhaust



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High-Quality Air-Powered Die Grinders

Front Exhaust Models

Model 52204

25,000 RPM, 1/4" & 6 mm Collets

Model 52206

30,000 RPM, 1/4" & 6 mm Collets



Model 52204



FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

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)
52204	.4 (298)	25,000	70 dB(A)	18 (510)	1/4 (6)	1/4" NPT	90 (6.2)	1.0 (.5)	6 (152)	3-3/4 (94)
52206	.4 (298)	30,000	75 dB(A)	21 (595)	1/4 (6)	1/4" NPT	90 (6.2)	1.0 (.5)	6 (152)	3-3/4 (94)

Tune-Up Kit: No. 96048 (page 267)

Rear Exhaust Models with Extended Muffler

Model 48205

25,000 RPM, 1/4" & 6 mm Collets

Model 48207

30,000 RPM, 1/4" & 6 mm Collets



Model 48205



See page 69
for Vacuum
Models!

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)
48205	.4 (298)	25,000	71 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1.3 (.57)	8.9 (225)	3.8 (97)
48207	.4 (298)	30,000	72 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1.3 (.57)	8.9 (225)	3.8 (97)

Tune-Up Kit: No. 96541 (page 267)

Rear Exhaust Models with Standard Muffler

Model 48335

25,000 RPM, 1/4" & 6 mm Collets

Model 48337

30,000 RPM, 1/4" & 6 mm Collets



Model 48335



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)
48335	.4 (298)	25,000	73 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	7.3 (186)	3.8 (97)
48337	.4 (298)	30,000	74 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1 (.47)	7.3 (186)	3.8 (97)

Tune-Up Kit: No. 96541 (page 267)

Rear Exhaust Models with Extended Muffler (Slow Speed)

- Both models are planetary geared.
- Slow speeds allow additional use as buffer/polisher.

Model 47211

3,200 RPM, 1/4" & 6 mm Collets

Model 47212

5,000 RPM, 1/4" & 6 mm Collets



Model 47211

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)
47211	.4 (298)	3,200	73 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1.7 (.78)	9 (228)	5.6 (143)
47212	.4 (298)	5,000	75 dB(A)	23 (651)	1/4 (6)	1/4" NPT	90 (6.2)	1.7 (.78)	9 (228)	5.6 (143)

Tune-Up Kit: No. 96541 (page 267)

.5 hp Die Grinders

Straight-Line, Gearless, Front Exhaust



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High-Quality Air-Powered Die Grinders

- Gearless for reduced maintenance and downtime.

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

Model 51300

15,000 RPM, 1/4" & 6 mm Collets

Model 51301

18,000 RPM, 1/4" & 6 mm Collets

Model 51302

20,000 RPM, 1/4" & 6 mm Collets

Model 51303

24,000 RPM, 1/4" & 6 mm Collets



Model
51301



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)
51300	.5 (373)	15,000	78 dB(A)	24 (680)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.5 (0.7)	7 (178)	1-7/8 (48)
51301	.5 (373)	18,000	78 dB(A)	24 (680)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.5 (0.7)	7 (178)	1-7/8 (48)
51302	.5 (373)	20,000	80 dB(A)	25 (708)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.5 (0.7)	7 (178)	1-7/8 (48)
51303	.5 (373)	24,000	83 dB(A)	26 (736)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.5 (0.7)	7 (178)	1-7/8 (48)

Tune-Up Kit: No. 95600 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.5 hp Die Grinders

Straight-Line, Gearless, Rear Exhaust



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High-Quality Air-Powered Die Grinders

- Gearless for reduced maintenance and downtime.
- Extended rear exhaust muffler design ensures lowest sound level.

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

Model 51304

15,000 RPM, 1/4" & 6 mm Collets

Model 51305

18,000 RPM, 1/4" & 6 mm Collets

Model 51306

20,000 RPM, 1/4" & 6 mm Collets

Model 51307

24,000 RPM, 1/4" & 6 mm Collets



Model
51304



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)
51304	.5 (373)	15,000	76 dB(A)	25 (708)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.8 (0.8)	9-1/4 (235)	1-7/8 (48)
51305	.5 (373)	18,000	74 dB(A)	26 (736)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.8 (0.8)	9-1/4 (235)	1-7/8 (48)
51306	.5 (373)	20,000	75 dB(A)	27 (765)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.8 (0.8)	9-1/4 (235)	1-7/8 (48)
51307	.5 (373)	24,000	76 dB(A)	27 (765)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.8 (0.8)	9-1/4 (235)	1-7/8 (48)

Tune-Up Kit: No. 96530 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

DIE GRINDERS

.5 hp Die Grinders

Straight-Line, Extension Models, Rear Exhaust



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High-Quality Air-Powered Die Grinders

- Extension Die Grinder with 3" workable reach.
- Extended rear exhaust muffler design ensures lowest sound level.

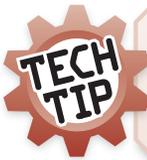
FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
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Model 53510

18,000 RPM, 1/4" & 6 mm Collets

Model 53511

20,000 RPM, 1/4" & 6 mm Collets



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.)



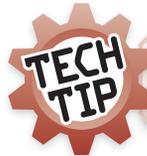
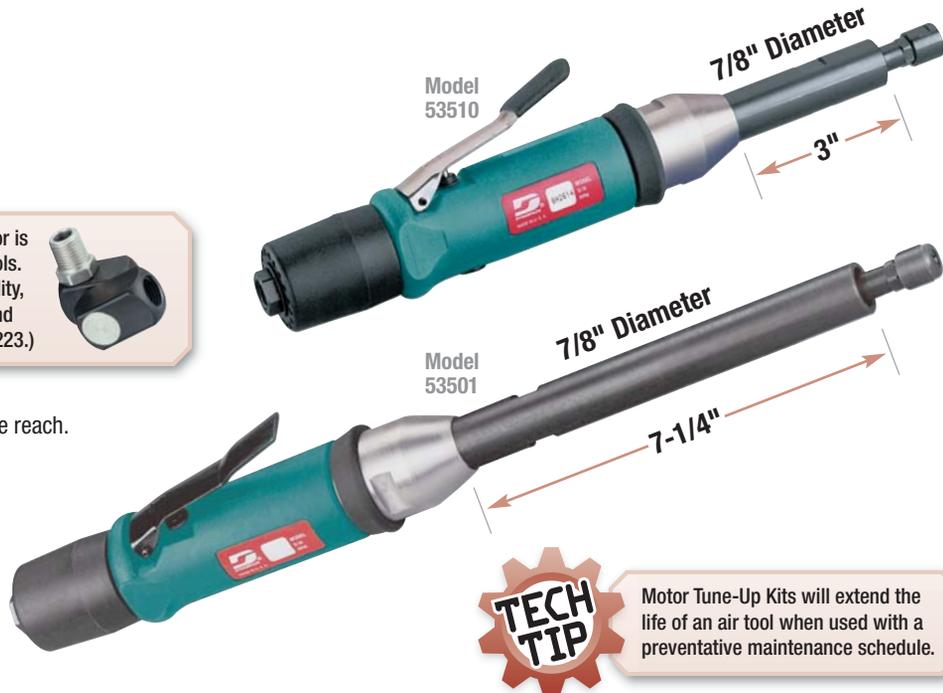
- Extension Die Grinder with 7-1/4" workable reach.
- Extended rear exhaust muffler design ensures lowest sound level.

Model 53501

18,000 RPM,
1/4" & 6 mm Collets

Model 53502

20,000 RPM, 1/4" & 6 mm Collets



Motor Tune-Up Kits will extend the life of an air tool when used with a preventative maintenance schedule.

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)
53501	.5 (373)	18,000	72 dB(A)	30 (850)	3/8 (10)	1/4" NPT	90 (6.2)	3.2 (1.5)	17-7/8 (454)	1-7/8 (48)
53502	.5 (373)	20,000	74 dB(A)	31 (878)	3/8 (10)	1/4" NPT	90 (6.2)	3.2 (1.5)	17-7/8 (454)	1-7/8 (48)
53510	.5 (373)	18,000	72 dB(A)	30 (850)	3/8 (10)	1/4" NPT	90 (6.2)	2.5 (1.1)	12-7/8 (327)	1-7/8 (48)
53511	.5 (373)	20,000	74 dB(A)	31 (878)	3/8 (10)	1/4" NPT	90 (6.2)	2.5 (1.1)	12-7/8 (327)	1-7/8 (48)

Tune-Up Kit: No. 96007 (page 267)

.5 hp Die Grinders

Steel Housings, Straight-Line, Front & Rear Exhaust



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Steel Housings for Increased Durability!

Model 53807

Front Exhaust

Model 53808

Rear Exhaust

- 24,000 RPM. Both models include 1/4" and 6 mm collets.
- Ideal for use in foundries, welding operations and shipyards.
- Rubber Grip Housing reduces vibration and cold air transmission.
- Safety Lock Lever standard on all models.



FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

See .7 hp Steel Housing models on page 64!

Model Number	Motor hp (W)	Motor RPM	Sound Level	Exhaust	Maximum Air Flow SCFM (L/Min)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53807	.5 (373)	24,000	82 dB(A)	Front	30 (850)	1/4" NPT	90 (6.2)	1.9 (0.86)	5-5/8 (143)	1-3/4 (45)
53808	.5 (373)	24,000	77 dB(A)	Rear	29 (821)	1/4" NPT	90 (6.2)	2.1 (0.95)	6-11/16 (170)	1-3/4 (45)

Tune-Up Kit: No. 98621 (page 267)

.5 hp Die Grinders

7° Offset, Short Shank, Gearless, Front Exhaust



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High-Quality Air-Powered Die Grinders

- Gearless for reduced maintenance and downtime.

Model 52211

18,000 RPM, 1/4" & 6 mm Collets

Model 52212

20,000 RPM, 1/4" & 6 mm Collets

Model 52213

24,000 RPM, 1/4" & 6 mm Collets



Model 52211

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
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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)
52211	.5 (373)	18,000	74 dB(A)	28 (793)	3/8 (10)	1/4" NPT	90 (6.2)	1.7 (0.8)	6 (152)	4-1/2 (114)
52212	.5 (373)	20,000	74 dB(A)	28 (793)	3/8 (10)	1/4" NPT	90 (6.2)	1.7 (0.8)	6 (152)	4-1/2 (114)
52213	.5 (373)	24,000	79 dB(A)	28 (793)	3/8 (10)	1/4" NPT	90 (6.2)	1.7 (0.8)	6 (152)	4-1/2 (114)

Tune-Up Kit: No. 96044 (page 267)

DIE GRINDERS

.5 hp Die Grinders

7° Offset, Short Shank, Gearless, Rear Exhaust



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High-Quality Air-Powered Die Grinders

- Gearless for reduced maintenance and downtime.
- Extended rear exhaust muffler design ensures lowest sound level.

Model 52221

18,000 RPM, 1/4" & 6 mm Collets

Model 52222

20,000 RPM, 1/4" & 6 mm Collets

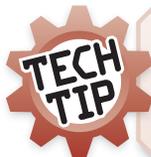
Model 52223

24,000 RPM, 1/4" & 6 mm Collets



Model 52221

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
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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	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52221	.5 (373)	18,000	73 dB(A)	23 (651)	3/8 (10)	1/4" NPT	90 (6.2)	2.0 (0.9)	8-1/8 (206)	4-1/2 (114)
52222	.5 (373)	20,000	76 dB(A)	25 (708)	3/8 (10)	1/4" NPT	90 (6.2)	2.0 (0.9)	8-1/8 (206)	4-1/2 (114)
52223	.5 (373)	24,000	74 dB(A)	27 (765)	3/8 (10)	1/4" NPT	90 (6.2)	2.0 (0.9)	8-1/8 (206)	4-1/2 (114)

Tune-Up Kit: No. 96044 (page 267)

.5 hp Die Grinders

7° Offset, Long Shank, Gearless



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High-Quality Air-Powered Die Grinders

Front Exhaust Models

- Gearless for reduced maintenance and downtime.

Model 52216

15,000 RPM, 1/4" & 6 mm Collets

Model 52218

20,000 RPM, 1/4" & 6 mm Collets

Model 52216



FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
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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)
52216	.5 (373)	15,000	75 dB(A)	26 (736)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.0 (0.9)	6 (152)	5-1/2 (140)
52218	.5 (373)	20,000	74 dB(A)	28 (793)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.0 (0.9)	6 (152)	5-1/2 (140)

Tune-Up Kit: No. 96044 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Rear Exhaust Model

Model 52267 15,000 RPM, 1/4" & 6 mm Collets

- Gearless for reduced maintenance and downtime.
- Extended rear exhaust muffler design ensures lowest sound level.

Model 52267



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)
52267	.5 (373)	15,000	72 dB(A)	21 (595)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.0 (0.9)	8-1/8 (207)	5-1/2 (140)

Tune-Up Kit: No. 96044 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.55 hp Die Grinder

Right Angle, Gearless, Rear Exhaust



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High-Quality Air-Powered Die Grinders

Model 52280 15,000 RPM, 1/4" & 6 mm Collets

- Powerful high-torque air motor.
- Gearless for reduced maintenance and downtime.
- Optional safety-lock lever available.
- Extended rear exhaust muffler design ensures lowest sound level.

Model 52280



FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
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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)
52280	.5 (373)	15,000	75 dB(A)	33 (934)	1/4 (6)	1/4" NPT	3/8"-24 Male	2.3 (1.0)	8-1/8 (207)	5-1/2 (140)

Tune-Up Kit: No. 96522 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.7 hp Die Grinders

Straight-Line, Front Exhaust



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High-Quality Air-Powered Die Grinders

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Model 52256

15,000 RPM, 1/4" & 6 mm Collets

Model 52257

18,000 RPM, 1/4" & 6 mm Collets

Model 52258

20,000 RPM, 1/4" & 6 mm Collets



Model 52256

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)
52256	.7 (522)	15,000	80 dB(A)	31 (878)	3/8 (10)	1/4" NPT	90 (6.2)	1.7 (0.8)	6 (152)	1-7/8 (48)
52257	.7 (522)	18,000	84 dB(A)	33 (935)	3/8 (10)	1/4" NPT	90 (6.2)	1.7 (0.8)	6 (152)	1-7/8 (48)
52258	.7 (522)	20,000	89 dB(A)	34 (963)	3/8 (10)	1/4" NPT	90 (6.2)	1.7 (0.8)	6 (152)	1-7/8 (48)

Tune-Up Kit: No. 96529 (page 267)

.7 hp Die Grinders

Straight-Line, Rear Exhaust



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High-Quality Air-Powered Die Grinders

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- Extended rear exhaust muffler design ensures lowest sound level.

Model 52100

950 RPM, 1/4" & 6 mm Collets

Model 52101

3,400 RPM, 1/4" & 6 mm Collets

Model 52102

4,500 RPM, 1/4" & 6 mm Collets

Model 52276

15,000 RPM, 1/4" & 6 mm Collets

Model 52277

18,000 RPM, 1/4" & 6 mm Collets

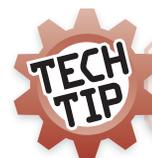
Model 52278

20,000 RPM, 1/4" & 6 mm Collets



Model 52276

See page 70 for
Vacuum Models!



Motor Tune-Up Kits will extend the life of an air tool when used with a preventative maintenance schedule.

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)
52100	.7 (522)	950	81 dB(A)	34 (957)	3/8 (10)	1/4" NPT	1/2"-20 Male	3.6 (1.6)	12-1/2 (318)	1-7/8 (48)
52101	.7 (522)	3,400	79 dB(A)	35 (977)	3/8 (10)	1/4" NPT	1/2"-20 Male	2.7 (1.2)	9-1/2 (241)	1-7/8 (48)
52102	.7 (522)	4,500	79 dB(A)	35 (977)	3/8 (10)	1/4" NPT	1/2"-20 Male	2.7 (1.2)	9-1/2 (241)	1-7/8 (48)
52276	.7 (522)	15,000	77 dB(A)	32 (906)	3/8 (10)	1/4" NPT	-	2.3 (0.7)	8-1/8 (206)	1-7/8 (48)
52277	.7 (522)	18,000	78 dB(A)	34 (957)	3/8 (10)	1/4" NPT	-	2.3 (0.7)	8-1/8 (206)	1-7/8 (48)
52278	.7 (522)	20,000	78 dB(A)	37 (1,048)	3/8 (10)	1/4" NPT	-	2.3 (0.7)	8-1/8 (206)	1-7/8 (48)

Tune-Up Kit: Models 52100-52102: No. 96260; Models 52276-52278: No. 96529 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.7 hp Die Grinders

Steel Housings, Straight-Line, Front & Rear Exhaust



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Steel Housings for Increased Durability!

Model 53811

Front Exhaust

Model 53812

Rear Exhaust

- 20,000 RPM. Both models include 1/4" and 6 mm collets.
- Ideal for use in foundries, welding operations and shipyards.
- Rubber Grip Housing reduces vibration and cold air transmission.
- Safety-lock lever standard on all models.

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
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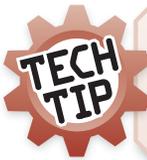


Model 53811



Model 53812

See .5 hp Steel Housing models on page 60!



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



Model Number	Motor hp (W)	Motor RPM	Sound Level	Exhaust	Maximum Air Flow SCFM (L/Min)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53811	.7 (522)	20,000	83 dB(A)	Front	37 (1,048)	1/4" NPT	90 (6.2)	2.2 (1.0)	6-1/8 (156)	1-3/4 (45)
53812	.7 (522)	20,000	79 dB(A)	Rear	38 (1,076)	1/4" NPT	90 (6.2)	2.3 (1.04)	7-1/4 (184)	1-3/4 (45)

Tune-Up Kit: No. 98623 (page 267)

.7 hp Extension Die Grinder

Steel Housing, Straight-Line, Rear Exhaust



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Steel Housing for Increased Durability!

Model 53781

Rear Exhaust

- 20,000 RPM. Includes 1/4" and 6 mm collets.
- Extension model allows operator to extend into work pieces that require a longer reach.
- Designed for two-hand use with minimal vibration.
- Rubber Grip Housing reduces vibration and cold air transmission to operator.
- Safety-lock lever standard on all models.

FOR USE WITH
Carbide Burrs, Rotary Files,
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Model Number	Motor hp (W)	Motor RPM	Sound Level	Exhaust	Maximum Air Flow SCFM (L/Min)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53781	.7 (522)	20,000	80 dB(A)	Rear	39 (1,104)	1/4" NPT	90 (6.2)	4 (1.8)	13.6 (346)	1.7 (45)

Tune-Up Kit: No. 96680 (page 267)

.7 hp Die Grinders

Composite & Steel Housings, Right Angle, Rear Exhaust



COLLET INSERTS
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Dynabrade's NEW .7 hp (522 W) Die Grinders offer rapid material removal, deburring, finishing and polishing. These top-quality tools will provide countless solutions to manufacturing and fabrication industries, foundries, die shops, welding operations, nuclear facilities, shipyards and more!

FOR USE WITH
Carbide Burrs, Rotary Files,
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Composite Housing Models

- All models include 1/4" and 6 mm Collet Insert.
- Offered in standard and extended tool body lengths.
- Thermal-insulated handle reduces cold air transmission to operator.
- Tools include lightweight aluminum head.
- Safety-lock throttle lever prevents accidental startup of tool.

Model 54343
12,000 RPM

Model 54347
12,000 RPM, Extended

- Allows additional reach of 3-3/8" (86 mm)!

Model 54359
18,000 RPM

Model 54363
18,000 RPM, Extended

- Allows additional reach of 3-3/8" (86 mm)!



DIE GRINDERS

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Collets Included	Air Inlet Thread	Hose I.D. Size Inch (mm)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
54343	.7 (522)	12,000	80 dB(A)	38 (1,076)	1/4" & 6 mm	1/4" NPT	3/8 (10)	2.2 (1)	7-7/8 (200)	2-7/8 (73)
54347	.7 (522)	12,000	80 dB(A)	40 (1,133)	1/4" & 6 mm	1/4" NPT	3/8 (10)	3 (1.4)	11-1/4 (287)	2-7/8 (73)
54359	.7 (522)	18,000	79 dB(A)	41 (1,161)	1/4" & 6 mm	1/4" NPT	3/8 (10)	2.2 (1)	7-7/8 (200)	2-7/8 (73)
54363	.7 (522)	18,000	80 dB(A)	41 (1,161)	1/4" & 6 mm	1/4" NPT	3/8 (10)	3 (1.4)	11-1/4 (287)	2-7/8 (73)

Tune-Up Kit: No. 96680; Model 54363 – **No. 98623** (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Steel Housing Models

- All models include 1/4" and 6 mm Collet Insert.
- Rugged steel housing and head for increased durability in abusive environments.
- Offered in standard and extended tool body lengths.
- Rubber grip housing reduces cold air transmission to operator.
- Safety-lock throttle lever prevents accidental startup of tool.

Model 54369
12,000 RPM

Model 54374
12,000 RPM, Extended

- Allows additional reach of 3-3/8" (86 mm)!

Model 54387
18,000 RPM

Model 54391
18,000 RPM, Extended

- Allows additional reach of 3-3/8" (86 mm)!



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Collets Included	Air Inlet Thread	Hose I.D. Size Inch (mm)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
54369	.7 (522)	12,000	77 dB(A)	39 (1,104)	1/4" & 6 mm	1/4" NPT	3/8 (10)	3 (1.4)	8 (203)	2-7/8 (73)
54374	.7 (522)	12,000	79 dB(A)	40 (1,133)	1/4" & 6 mm	1/4" NPT	3/8 (10)	3.8 (1.7)	11-3/8 (289)	2-7/8 (73)
54387	.7 (522)	18,000	80 dB(A)	41 (1,161)	1/4" & 6 mm	1/4" NPT	3/8 (10)	3 (1.4)	8 (203)	2-7/8 (73)
54391	.7 (522)	18,000	77 dB(A)	41 (1,161)	1/4" & 6 mm	1/4" NPT	3/8 (10)	3.8 (1.7)	11-3/8 (289)	2-7/8 (73)

Tune-Up Kit: No. 98623 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.7 hp Die Grinders

7° Offset, Gearless



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High-Quality Air-Powered Die Grinders

Short Shank, Front Exhaust Models

- Gearless for reduced maintenance and downtime.

Model 52289

18,000 RPM,
1/4" & 6 mm Collets

Model 52290

20,000 RPM
1/4" & 6 mm Collets



Model 52289

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251



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)
52289	.7 (522)	18,000	87 dB(A)	35 (991)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.7 (0.8)	6 (152)	5-1/8 (130)
52290	.7 (522)	20,000	84 dB(A)	36 (1,020)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.7 (0.8)	6 (152)	5-1/8 (130)

Tune-Up Kit: No. 96045 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Short Shank, Rear Exhaust Models

- Gearless for reduced maintenance and downtime.
- Extended rear exhaust muffler design ensures lowest sound level.

Model 52292

15,000 RPM,
1/4" & 6 mm Collets

Model 52293

18,000 RPM,
1/4" & 6 mm Collets

Model 52294

20,000 RPM,
1/4" & 6 mm Collets

Model 52297

20,000 RPM, 1/4" & 6 mm
Collets, with Side Handle



Model 52293

See page 70
for Vacuum
Models!



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)
52292	.7 (522)	15,000	78 dB(A)	34 (963)	3/8 (10)	1/4" NPT	90 (6.2)	2.3 (1.0)	8-1/8 (206)	5-1/2 (140)
52293	.7 (522)	18,000	77 dB(A)	34 (963)	3/8 (10)	1/4" NPT	90 (6.2)	2.3 (1.0)	8-1/8 (206)	5-1/2 (140)
52294	.7 (522)	20,000	74 dB(A)	37 (1,048)	3/8 (10)	1/4" NPT	90 (6.2)	2.3 (1.0)	8-1/8 (206)	5-1/2 (140)
52297	.7 (522)	20,000	74 dB(A)	37 (1,048)	3/8 (10)	1/4" NPT	90 (6.2)	2.3 (1.0)	8-1/8 (206)	5-1/2 (140)

Tune-Up Kit: No. 96045 (page 267)

Long Shank, Front Exhaust Models

- Gearless for reduced maintenance and downtime.

Model 52242

20,000 RPM, 1/4" & 6 mm Collets



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 52242



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)
52242	.7 (522)	20,000	80 dB(A)	28 (793)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.7 (0.8)	6 (152)	5-1/2 (140)

Tune-Up Kit: No. 96045 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

1 hp Die Grinders

Straight-Line, Rear Exhaust



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High-Quality Air-Powered Die Grinders

FOR USE WITH
Carbide Burrs, Rotary Files,
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Planetary Geared Models

- Governor-controlled to maintain RPM under heavy load and deliver optimal power.
- Safety-lock lever is standard on all models.
- Lightweight thermal-insulated housing reduces cold air transmission and vibration to operator.



Model 52660

950 RPM, 1/4" & 6 mm Collets

Model 52662

3,400 RPM, 1/4" & 6 mm Collets

Model 52663

4,500 RPM, 1/4" & 6 mm Collets

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)
52660	1 (744)	950	79 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	90 (6.2)	3.6 (1.6)	13-3/4 (384)	1-7/8 (48)
52662	1 (744)	3,400	78 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	90 (6.2)	3.1 (1.4)	12-1/2 (317)	1-7/8 (48)
52663	1 (744)	4,500	78 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	90 (6.2)	3.1 (1.4)	12-1/2 (317)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 267)

Gearless Models

- Gearless for reduced maintenance and downtime.
- Governor-controlled to maintain RPM under heavy load and deliver optimal power.
- Safety-lock lever is standard on all models.
- Lightweight thermal-insulated housing reduces cold air transmission and vibration to operator.



Model 52669

Use a carbide burr to easily blend weld seams.

Model 52665

9,000 RPM, 1/4" & 6 mm Collets

Model 52666

12,000 RPM, 1/4" & 6 mm Collets

Model 52667

15,000 RPM, 1/4" & 6 mm Collets

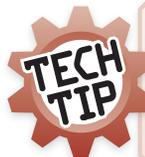
Model 52668

18,000 RPM, 1/4" & 6 mm Collets

Model 52669

20,000 RPM, 1/4" & 6 mm Collets

See page 70 for Vacuum Models!



Optional 53621 Overhose Assembly may be used to further reduce noise levels by as much as 5 dB(A). Overhose redirects exhaust away from operator and workpiece. Air line sold separately. (See page 247.)



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)
52665	1 (744)	9,000	80 dB(A)	36 (1,020)	3/8 (10)	3/8" NPT	90 (6.2)	2.1 (1.0)	10 (254)	1-7/8 (48)
52666	1 (744)	12,000	81 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	90 (6.2)	2.1 (1.0)	10 (254)	1-7/8 (48)
52667	1 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	90 (6.2)	2.1 (1.0)	10 (254)	1-7/8 (48)
52668	1 (744)	18,000	78 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	90 (6.2)	2.1 (1.0)	8-3/4 (221)	1-7/8 (48)
52669	1 (744)	20,000	79 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	90 (6.2)	2.1 (1.0)	8-3/4 (221)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 267)

1 hp Die Grinders

Straight-Line, 6" Extension, Rear Exhaust



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High-Quality Air-Powered Die Grinders

Planetary Geared Models

- Governor-controlled to maintain RPM under heavy load and deliver optimal power.
- Safety-lock lever is standard on all models.

Model 52672

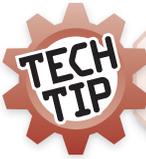
3,400 RPM, 1/4" & 6 mm Collets

Model 52673

4,500 RPM, 1/4" & 6 mm Collets



FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251



Motor Tune-Up Kits will extend the life of an air tool when used with a preventative maintenance schedule.

93350 Carbide Burr Kit includes 8 Burrs (1/4"). See page 251.



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)
52672	1 (744)	3,400	78 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	90 (6.2)	4.1 (1.9)	16-5/8 (423)	1-7/8 (48)
52673	1 (744)	4,500	78 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	90 (6.2)	4.1 (1.9)	16-5/8 (423)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 267)

Gearless Models

- Gearless for reduced maintenance and downtime.
- Governor-controlled to maintain RPM under heavy load and deliver optimal power.
- Safety-lock lever is standard on all models.

Model 52675

9,000 RPM, 1/4" & 6 mm Collets

Model 52676

12,000 RPM, 1/4" & 6 mm Collets

Model 52677

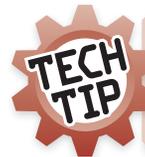
15,000 RPM, 1/4" & 6 mm Collets

Model 52678

18,000 RPM, 1/4" & 6 mm Collets

Model 52679

20,000 RPM, 1/4" & 6 mm Collets



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



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)
52675	1 (744)	9,000	80 dB(A)	36 (1,020)	3/8 (10)	3/8" NPT	90 (6.2)	3.2 (1.5)	14-1/4 (359)	1-7/8 (48)
52676	1 (744)	12,000	81 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	90 (6.2)	3.2 (1.5)	14-1/4 (359)	1-7/8 (48)
52677	1 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	90 (6.2)	3.3 (1.5)	15-3/8 (390)	1-7/8 (48)
52678	1 (744)	18,000	76 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	90 (6.2)	3.3 (1.5)	15-3/8 (390)	1-7/8 (48)
52679	1 (744)	20,000	78 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	90 (6.2)	3.3 (1.5)	15-3/8 (390)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 267)

Vacuum Die Grinders

.4 hp • Connect to Central Vacuum System



COLLET INSERTS
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DYNAJET
PAGE 224

Rapid Material Removal with Source Capture

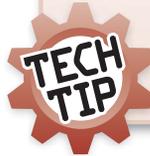
- .4 hp (298 W) Vacuum Die Grinders are utilized for rapid material removal, precise finishing, polishing, deburring, and removal of parting lines and flash.
- For use on **non-metallic materials**, such as fiberglass and composites.
- Each model includes urethane Vacuum Shroud for efficient capture of dust, debris and contaminants such as Hexavalent Chromium.
- Also includes Vacuum Sleeve, which can be easily trimmed to accommodate the length of the accessory. Sleeve can be trimmed horizontally or vertically, and is also removable.

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251

Right Angle Models

Model 56715
12,000 RPM,
1/4" & 6 mm Collets

Model 56719
20,000 RPM,
1/4" & 6 mm Collets



All models includes
Conductive Hose &
Cuffs, to shield operator
from electrostatic
discharge (ESD).

Vacuum Sleeve can be trimmed, horizontally
or vertically, to accommodate accessory or
workpiece! (Also removable.)

7° Offset Models

Model 56727
5,000 RPM, 1/4" & 6 mm Collets

- Planetary geared.

Model 56723
25,000 RPM, 1/4" & 6 mm Collets

- Gearless design.

Straight-Line Models

Model 56751
5,000 RPM, 1/4" & 6 mm Collets

- Planetary geared.

Model 56755
25,000 RPM, 1/4" & 6 mm Collets

- Gearless design.

Model
56751



1-1/4"
Dia. Port

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Collet Size	Air Inlet Thread	Air Hose I.D. Inch (mm)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
56715	.4 (298)	12,000	81 dB(A)	21 (595)	1/4" / 6 mm	1/4" NPT	1/4 (6)	1.6 (.7)	8.9 (227)	4.9 (125)
56719	.4 (298)	20,000	82 dB(A)	21 (595)	1/4" / 6 mm	1/4" NPT	1/4 (6)	1.6 (.7)	8.9 (227)	4.9 (125)
56723	.4 (298)	25,000	74 dB(A)	24 (680)	1/4" / 6 mm	1/4" NPT	1/4 (6)	1.6 (.7)	9.7 (247)	5.9 (150)
56727	.4 (298)	5,000	79 dB(A)	25 (708)	1/4" / 6 mm	1/4" NPT	1/4 (6)	2.3 (1.0)	10 (254)	8.3 (212)
56751	.4 (298)	5,000	81 dB(A)	25 (708)	1/4" / 6 mm	1/4" NPT	1/4 (6)	2.1 (.9)	13.3 (338)	4.6 (117)
56755	.4 (298)	25,000	80 dB(A)	21 (595)	1/4" / 6 mm	1/4" NPT	1/4 (6)	1.4 (.6)	10.6 (268)	4.6 (117)

Tune-Up Kit: Right Angle: No. 96179; 56727: No. 96174; 56751: No. 96173; 56723, 56755: No. 96049 (page 267)

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Vacuum Die Grinders

.7 hp & 1 hp • Connect to Central Vacuum System



COLLET INSERTS
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DYNAJET
PAGE 224

Rapid Material Removal with Source Capture

- .7 hp (522 W) and 1 hp (744 W) Vacuum Die Grinders are utilized for rapid material removal, precise finishing, polishing, deburring, and removal of parting lines and flash.
- For use on **non-metallic materials**, such as fiberglass, carbon fiber, and composites.
- Each model includes urethane Vacuum Shroud for efficient capture of dust, debris, and contaminants such as Hexavalent Chromium.
- Also includes Vacuum Sleeve, which can be easily trimmed to accommodate the length of the accessory. Sleeve can be trimmed horizontally or vertically, and is also removable.

FOR USE WITH
Carbide Burrs, Rotary Files,
Mounted Points and Discs
SEE PAGE 251



Straight-Line Model, .7 hp

Model 56759

15,000 RPM, 1/4" & 6 mm Collets

7° Offset Model, .7 hp

Model 56739

18,000 RPM,
1/4" & 6 mm Collets

Model 56739



Vacuum Sleeve can be trimmed, horizontally or vertically, to accommodate accessory or workpiece! (Also removable.)



Straight-Line Models, 1 hp

Model 56743

12,000 RPM, 1/4" & 6 mm Collets

Model 56747

20,000 RPM, 1/4" & 6 mm Collets



All models includes Conductive Hose & Cuffs, to shield operator from electrostatic discharge (ESD).

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Collet Size	Air Inlet Thread	Air Hose I.D. Inch (mm)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
56739	.7 (522)	18,000	81 dB(A)	32 (906)	1/4" / 6 mm	1/4" NPT	1/4 (6)	2.5 (1.1)	10 (254)	8.1 (206)
56759	.7 (522)	15,000	82 dB(A)	35 (850)	1/4" / 6 mm	1/4" NPT	1/4 (6)	2.6 (1.2)	13.9 (353)	4.6 (118)
56743	1 (744)	12,000	77 dB(A)	38 (1,085)	1/4" / 6 mm	1/4" NPT	1/4 (6)	2.8 (1.3)	14.3 (363)	4.6 (118)
56747	1 (744)	20,000	83 dB(A)	41 (1,161)	1/4" / 6 mm	3/8" NPT	1/4 (6)	2.8 (1.3)	14.3 (363)	4.6 (118)

Tune-Up Kit: 56759: No. 96529; 56739: No. 96045; 56743, 56747: No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



DYNABRADE

DISC SANDERS

Non-Vacuum Models

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3" Dia. Disc Sanders	74
3" - 4" Dia. Disc Sanders	75
4" - 5" Dia. Disc Sanders	76
4", 4-1/2" Dia. Disc Sanders	78
4-1/2" - 5" Dia. Disc Sanders	79
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Vacuum Models

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DISC SANDERS



2" Dia. Disc Sanders

.33 hp and .4 hp Models



DISC PADS
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High-Quality Air-Powered Disc Sanders

FOR ABRASIVE DISCS
2" (51 mm) diameter
SEE PAGE 279

Right Angle, .33 hp, Gearless, Rear Exhaust

Model 52590 18,000 RPM

- Includes 51345 Locking-Type Pad (2" diameter).
- Also accepts 3" diameter disc pads, sold separately.
- Features standard muffler for more compact design.
- Tool combines top efficiency with great value.



Model 52590



Important: Speed of tool must not exceed maximum operating speed of accessory.

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)
52590	.33 (246)	15,000	77 dB(A)	20 (567)	1/4 (6)	1/4" NPT	3/8"-24 Female	1.9 (0.9)	4-1/2 (114)	3-7/8 (98)

Tune-Up Kit: No. 96505 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

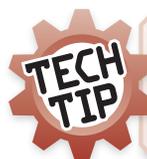
Angle-Head, .4 hp, Rear Exhaust

Model 49410 3,200 RPM

- Tool has 1/4"-28 female thread. Comes mounted with 54021 Adapter for pads with 1/4"-20 female thread.
- Includes 50107 Pad (2" diameter) for PSA (adhesive backed) abrasive discs.
- Governor-controlled motor maintains speed under load.
- Extended rear exhaust muffler; safety-lock lever included.
- Optional 54030 Rotary Sanding Head permits locking-type male thread pad to be mounted.
- Optional 54585 Side Handle available.



Model 49410



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



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)
49410	.4 (298)	3,200	78 dB(A)	26 (736)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (0.9)	12.5 (319)	2.6 (65)

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

7° Offset, .4 hp, Rear Exhaust

- Includes 51344 Locking-Type Pad (2" diameter).
- Handle is offset 7° for greater operator comfort and control.
- Gearless for reduced maintenance and down-time.

Model 48500 25,000 RPM

- Extended muffler design.

Model 48503 25,000 RPM

- Features **standard muffler** for more compact design.



Model 48503



See page 85 for
VACUUM Models!

Important: Speed of tool must not exceed maximum operating speed of accessory.

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)
48500	.4 (298)	25,000	73 dB(A)	23 (650)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	8.7 (222)	3.9 (98)
48503	.4 (298)	25,000	73 dB(A)	23 (650)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (.5)	7.2 (183)	3.9 (98)

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

DISC SANDERS

2" Dia. Disc Sanders

.4 hp and .5 hp Models



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High-Quality Air-Powered Disc Sanders

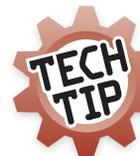
Right Angle, .4 hp, Front Exhaust

- Includes 51344 Locking-Type Pad (2" diameter).
- Also accepts 3" diameter pads, sold separately.
- Governor-controlled motor maintains speed under load.

Model 47820 12,000 RPM

Model 47821 15,000 RPM

Model 47822 20,000 RPM



FOR ABRASIVE DISCS
2" (51 mm) and
3" (76 mm) diameters
SEE PAGE 279

Motor Tune-Up Kits will extend the life of an air tool when used with a preventative maintenance schedule.

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)
47820	.4 (298)	12,000	85 dB(A)	25 (708)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.4 (111)	3.5 (89)
47821	.4 (298)	15,000	85 dB(A)	25 (708)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.4 (111)	3.5 (89)
47822	.4 (298)	20,000	84 dB(A)	25 (708)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.4 (111)	3.5 (89)

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

Right Angle, .4 hp, Rear Exhaust

- Includes 51344 Locking-Type Pad (2" diameter).
- Also accepts 3" diameter pads, sold separately.
- Governor-controlled motor maintains speed under load.

Model 48520
12,000 RPM, Extended Muffler

Model 48521
15,000 RPM, Extended Muffler

Model 48522
20,000 RPM, Extended Muffler

Model 48540
12,000 RPM, Standard Muffler

Model 48541
15,000 RPM, Standard Muffler

Model 48542
20,000 RPM, Standard Muffler



See page 86 for
VACUUM Models!

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)
48520	.4 (298)	12,000	76 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	8.2 (208)	3.5 (89)
48521	.4 (298)	15,000	79 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	8.2 (208)	3.5 (89)
48522	.4 (298)	20,000	78 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	8.2 (208)	3.5 (89)
48540	.4 (298)	12,000	81 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.9 (124)	3.5 (89)
48541	.4 (298)	15,000	83 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.9 (124)	3.5 (89)
48542	.4 (298)	20,000	81 dB(A)	27 (765)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.1 (0.5)	4.9 (124)	3.5 (89)

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

7° Offset, .5 hp

- All models include 51344 Locking-Type Pad (2" diameter).
- Also accept 3" diameter pads, sold separately.

Model 52400 15,000 RPM, Front Exhaust

Model 52402 20,000 RPM, Front Exhaust

Model 52405 20,000 RPM, Rear Exhaust

- Extended muffler design.



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)
52400	.5 (373)	15,000	77 dB(A)	26 (736)	3/8 (10)	1/4" NPT	1/4"-20 Male	1.7 (0.8)	6 (152)	5-1/2 (140)
52402	.5 (373)	20,000	79 dB(A)	28 (793)	3/8 (10)	1/4" NPT	1/4"-20 Male	1.7 (0.8)	6 (152)	5-1/2 (140)
52405	.5 (373)	20,000	76 dB(A)	25 (793)	3/8 (10)	1/4" NPT	1/4"-20 Male	2.3 (1.0)	8-1/8 (206)	5-1/2 (140)

Tune-Up Kit: No. 96044 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

DISC SANDERS

3" Dia. Disc Sanders

.4 hp, .55 hp and .7 hp Models



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High-Quality Air-Powered Disc Sanders

Right Angle, .4 hp, Rear Exhaust

- Includes 51346 Locking-Type Pad (3" diameter).
- Extended muffler design.

Model 48530 12,000 RPM

Model 48531 15,000 RPM

Model 48532 20,000 RPM

See page 87-88 for
VACUUM Models!



FOR ABRASIVE DISCS
3" (76 mm) diameter
SEE PAGE 279



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)
48530	.4 (298)	12,000	81 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.2 (0.5)	7-3/8 (187)	3-1/8 (79)
48531	.4 (298)	15,000	80 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.2 (0.5)	7-3/8 (187)	3-1/8 (79)
48532	.4 (298)	20,000	83 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.2 (0.5)	7-3/8 (187)	3-1/8 (79)

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

Right Angle, .55 hp, Gearless, Rear Exhaust

- Includes 51347 Locking-Type Pad (3" diameter).
- Removable side handle.
- Optional safety-lock lever available.
- Tool combines top efficiency with great value.

Model 52557 15,000 RPM, Extended Muffler

Model 52558 15,000 RPM, Standard Muffler



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)
52557	.55 (410)	15,000	75 dB(A)	33 (934)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.9 (0.8)	6 (152)	3-7/8 (98)
52558	.55 (410)	15,000	84 dB(A)	33 (934)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.9 (0.8)	4-1/2 (114)	3-7/8 (98)

Tune-Up Kit: No. 96522 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

7° Offset, .7 hp, Gearless

- Includes 51347 Locking-Type Pad (3" diameter).
- Removable side handle.

Model 52410 15,000 RPM, Front Exhaust

Model 52412 20,000 RPM, Front Exhaust

Model 52413 15,000 RPM, Rear Exhaust

Model 52415 20,000 RPM, Rear Exhaust

- Extended muffler design (52413 and 52415 only).



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)
52410	.7 (522)	15,000	92 dB(A)	32 (906)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.0 (0.9)	6 (152)	5-1/2 (140)
52412	.7 (522)	20,000	90 dB(A)	36 (1,019)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.0 (0.9)	6 (152)	5-1/2 (140)
52413	.7 (522)	15,000	74 dB(A)	32 (906)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.3 (1.0)	8-1/8 (206)	5-1/2 (140)
52415	.7 (522)	20,000	74 dB(A)	35 (991)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.3 (1.0)	8-1/8 (206)	5-1/2 (140)

Tune-Up Kit: No. 96045 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

DISC SANDERS

3" - 4" Dia. Disc Sanders

.7 hp, Right Angle Models, Rear Exhaust



DISC PADS
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Ideal for quick weld removal, metal beveling in weld preparation, deburring and deflashing, surface conditioning and paint removal. Ergonomic tools accept locking-type abrasive discs (coated and non-woven nylon).

FOR ABRASIVE DISCS
3" (76 mm) and
4" (102 mm) diameters
SEE PAGE 279

Composite Housing Models

- Offered in standard and extended tool body lengths.
- Thermal-insulated handle reduces cold air transmission to operator.
- Tools include lightweight aluminum head.
- Safety-lock throttle lever prevents accidental startup of tool.

Model 54400

18,000 RPM, 3" Dia.

- Includes 51347 medium density locking-type backup pad, 3" (76 mm) dia.

Model 54403

18,000 RPM, 3" Dia., Extended

- Allows additional reach of 3-3/8" (86 mm)!
- Includes 51347 medium density locking-type backup pad, 3" (76 mm) dia.

Model 54406

12,000 RPM, 4" Dia.

- Includes 50192 hard density locking-type backup pad, 4" (102 mm) dia.

Model 54409

12,000 RPM, 4" Dia., Extended

- Allows additional reach of 3-3/8" (86 mm)!
- Includes 50192 hard density locking-type backup pad, 4" (102 mm) dia.



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Pad Diameter Inch (mm)	Tool Housing	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
54400	.7 (522)	18,000	83 dB(A)	41 (1,161)	3 (76)	Composite	1/4" NPT	2.3 (1)	8-1/2 (216)	3-1/2 (89)
54403	.7 (522)	18,000	81 dB(A)	41 (1,161)	3 (76)	Composite	1/4" NPT	3.2 (1.4)	12 (302)	3-1/2 (89)
54406	.7 (522)	12,000	79 dB(A)	40 (1,133)	4 (102)	Composite	1/4" NPT	2.4 (1)	9 (229)	3-9/16 (91)
54409	.7 (522)	12,000	81 dB(A)	40 (1,133)	4 (102)	Composite	1/4" NPT	3.3 (1.4)	12-1/2 (316)	3-9/16 (91)

Tune-Up Kit: No. 96680 (page 267) • Spindle Thread 3/8"-24 male; Hose I.D. Size 3/8" (10 mm); Air Pressure 90 PSIG (6.2 Bar)

Steel Housing Models

- Rugged steel housing and head for increased durability in abusive environments.
- Offered in standard and extended tool body lengths.
- Thermal-insulated handle reduces cold air transmission to operator.
- Safety-lock throttle lever prevents accidental starting of tool.

Model 54421

18,000 RPM, 3" Dia.

- Includes 51347 medium density locking-type backup pad, 3" (76 mm) dia.

Model 54424

18,000 RPM, 3" Dia., Extended

- Allows additional reach of 3-3/8" (86 mm)!
- Includes 51347 medium density locking-type backup pad, 3" (76 mm) dia.

Model 54427

12,000 RPM, 4" Dia.

- Includes 50192 hard density locking-type backup pad, 4" (102 mm) dia.

Model 54430

12,000 RPM, 4" Dia., Extended

- Allows additional reach of 3-3/8" (86 mm)!
- Includes 50192 hard density locking-type backup pad, 4" (102 mm) dia.



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Pad Diameter Inch (mm)	Tool Housing	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
54421	.7 (522)	18,000	81 dB(A)	41 (1,161)	3 (76)	Steel	1/4" NPT	3.1 (1.4)	8-3/4 (223)	3-1/2 (89)
54424	.7 (522)	18,000	80 dB(A)	41 (1,161)	3 (76)	Steel	1/4" NPT	3.9 (1.8)	12-1/8 (308)	3-1/2 (89)
54427	.7 (522)	12,000	78 dB(A)	40 (1,133)	4 (102)	Steel	1/4" NPT	3.2 (1.4)	9-1/4 (235)	3-9/16 (91)
54430	.7 (522)	12,000	78 dB(A)	40 (1,133)	4 (102)	Steel	1/4" NPT	3.9 (1.8)	12-5/8 (321)	3-9/16 (91)

Tune-Up Kit: No. 98623 (page 267) • Spindle Thread 3/8"-24 male; Hose I.D. Size 3/8" (10 mm); Air Pressure 90 PSIG (6.2 Bar)

DISC SANDERS

4"-5" Dia. Disc Sanders

1.3 hp, Right Angle Models



DISC PADS
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Dynabrade's 1.3 hp (970 W) Right Angle Disc Sanders offer countless material removal solutions to industries such as metal/stainless steel fabrication, composites, masonry, ironwork and general welding. Designed to the Dynabrade standard of excellence, these tools offer a wide array of features to increase efficiency and maximize operator comfort!

FOR ABRASIVE DISCS
4", 4-1/2" and 5" diameters
(102 mm, 114 mm, 127 mm)
SEE PAGES 279-280

Vibration Dampening Side Handle

Specially designed to reduce vibration transfer to operator. Removable for left or right hand use.

Rotational Exhaust System

Rotates a full 360° to ensure that exhaust is directed away from operator.

Safety-Lock Throttle Lever

Prevents accidental start-up of tool. Lever has no sharp edges or "pinch points."

Cast Aluminum Construction

Tool housing and handle made of solid cast aluminum.

"Wick Lube" System for Longer Gear Life

Extends gear life with simple lubrication. All models include 95848 Gear Oil and 95541 Gear Oil Gun.



52634 Disc Sander shown with optional 50281 Rubber Molded Backing Pad (see page 242).

Insulated Throttle Handle

Reduces cold air transmission to operator's hand. Handle position is adjustable, increasing comfort and efficiency.

Robust 1.3 hp Air Motor

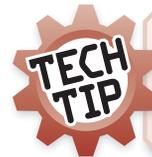
1.3 hp (970 W) governor-controlled air motor delivers powerful, efficient performance.

Convenient Spindle Lock

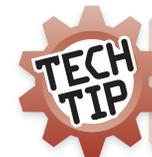
Allows quick and easy change of grinding wheel or abrasive disc. Less downtime!



52634 Disc Sander offers efficient material removal on a variety of surfaces.



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.)



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



4" - 5" Dia. Disc Sanders

1.3 hp, Right Angle Models



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*Grind Sheet Metal, Fiberglass, Composites, Carbon Fiber
Sand, Deburr Metal Parts • Surface Condition • Remove Mill Finish
Finish Aluminum • Remove Paint and Rust*

FOR ABRASIVE DISCS
4", 4-1/2" and 5" diameters
(102 mm, 114 mm, 127 mm)
SEE PAGES 279-280

Model 52631

**4" (102 mm) Diameter, 12,000 RPM
3/8"-24 Spindle Thread**

- Includes 50192 locking-type Backing Pad, 4" (102 mm) in diameter (see page 242).
- Accepts optional 4" (102 mm) diameter locking-type Abrasive Discs.



Model 52631



Model 52631

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)
52631	1.3 (970)	12,000	79 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.3 (1.9)	10 (254)	3.3 (84)

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

Model 52634

**4-1/2" (114 mm) Diameter
12,000 RPM, 5/8"-11 Spindle Thread**

- Includes 51148 Backing Pad, 4-1/2" (114 mm) diameter, plus mounting hardware.
- Accepts optional 4-1/2" (114 mm) diameter Abrasive Discs with 7/8" (22 mm) center hole.



Model 52634

*Shown with optional
50281 Rubber
Molded Backing
Pad (see page 242).*



**WATCH Tool
at Work!**



Model 52634

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)
52634	1.3 (970)	12,000	79 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	5/8"-11 Male	4.4 (2)	10 (254)	3.3 (84)

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

Model 52635

**5" (127 mm) Diameter, 12,000 RPM
5/8"-11 Spindle Thread**

- 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.



Model 52635

**See page 89 for
VACUUM Model!**



Model 52635

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)
52635	1.3 (970)	12,000	79 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	5/8"-11 Male	4.4 (2)	10 (254)	3.3 (84)

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

4" & 4-1/2" Dia. Disc Sanders

.55 hp and .7 hp Models



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High-Quality Air-Powered Disc Sanders

FOR ABRASIVE DISCS
4" (102 mm),
4-1/2" (114 mm) diameters
SEE PAGES 279-280

Model 50324 11,000 RPM, 4" Diameter, Pistol Grip, .7 hp, Gearless, Rear Exhaust

- Includes 50192 Locking-Type Pad (4" diameter); pad mounts to tool spindle without adapters.
- Governor speed control maintains RPM under load.
- Gearless for reduced maintenance and down-time.
- Removable side handle.



Model 50324



Model 50324

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)
50324	.7 (522)	11,000	76 dB(A)	32 (906)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.2 (1.0)	6-5/8 (168)	5-5/8 (143)

Tune-Up Kit: No. 96047 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

4-1/2" Diameter, Right Angle, .55 hp

- .55 hp models are ideal for light duty applications on metal, fiberglass and more.
- Gearless for reduced maintenance and downtime.
- Disc mount and flange nut included; 7/8" center hole abrasives are flange-mounted. Rear exhaust.
- All models include safety-lock throttle lever.

Model 52515 15,000 RPM, 5/8"-11 Thread

- Includes 50267 Disc Pad (4-1/2" diameter).

Model 52516 15,000 RPM, 5/8"-11 Thread

- Includes 50267 Disc Pad and 07184 Guard.

Model 52518 15,000 RPM, M14x2 Thread

- Includes 07184 Guard. (Disc Pad not included.)



Model 52515



Model 52515



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



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)
52515	.55 (410)	15,000	83 dB(A)	33 (934)	3/8 (10)	1/4" NPT	5/8"-11 Male	1.9 (0.8)	6 (152)	3-7/8 (98)
52516	.55 (410)	15,000	83 dB(A)	33 (934)	3/8 (10)	1/4" NPT	5/8"-11 Male	1.9 (0.8)	6 (152)	3-7/8 (98)
52518	.55 (410)	15,000	83 dB(A)	33 (934)	3/8 (10)	1/4" NPT	M14x2	1.9 (0.8)	6 (152)	3-7/8 (98)

Tune-Up Kit: No. 96522 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

4-1/2" - 5" Dia. Disc Sanders

.7 hp and 1 hp Models



DISC PADS
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PAGE 222

High-Quality Air-Powered Disc Sanders

FOR ABRASIVE DISCS
4-1/2" (114 mm) to
5" (127 mm) diameters
SEE PAGE 280

Pistol Grip, .7 hp, Rear Exhaust

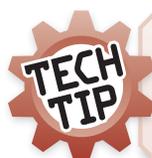
- Each model includes 50267 Disc Pad Assembly for center-hole abrasive discs, 4-1/2" to 5" in diameter.
- Gearless motor for reduced maintenance and downtime.
- Governor-controlled to maintain RPM under heavy load.
- Removable side handle.

Model 50320 8,000 RPM

Model 50321 11,000 RPM



Model 50320



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.)



Right: 50321 Pistol-Grip Disc Sander quickly and effectively removes excess fiberglass.



Model 50321

DISC 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)
50320	.7 (522)	8,000	72 dB(A)	30 (850)	3/8 (10)	1/4" NPT	5/8"-11 Male	2.2 (1.0)	6-5/8 (168)	5-5/8 (143)
50321	.7 (522)	11,000	76 dB(A)	32 (906)	3/8 (10)	1/4" NPT	5/8"-11 Male	2.2 (1.0)	6-5/8 (168)	5-5/8 (143)

Tune-Up Kit: No. 96047 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Right Angle, 1 hp, Rear Exhaust

- Extended muffler for reduced sound levels.
- Reversible side handle for left or right hand operation.

5/8"-11 Thread Models

Model 52562 9,000 RPM

- Includes 51150 Disc Pad Assembly.
- 5" diameter.

Model 52561 11,000 RPM

- Includes 51148 Disc Pad Assembly.
- 4-1/2" diameter.

M14 Male Thread Models

- Ideal for use with 115 mm-127 mm diameter Disc Pads with M14 female thread (sold separately).

Model 52564 9,000 RPM

Model 52565 11,000 RPM



Model 52561

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)
52561	1 (744)	11,000	76 dB(A)	41 (1,172)	3/8 (10)	3/8" NPT	5/8"-11 Male	4 (1.8)	11-11/16 (296)	3-3/4 (95)
52562	1 (744)	9,000	77 dB(A)	39 (1,116)	3/8 (10)	3/8" NPT	5/8"-11 Male	4 (1.8)	11-11/16 (296)	3-3/4 (95)
52564	1 (744)	9,000	77 dB(A)	39 (1,116)	3/8 (10)	3/8" NPT	M14x2 Male	4 (1.8)	11-11/16 (296)	3-3/4 (95)
52565	1 (744)	11,000	76 dB(A)	41 (1,172)	3/8 (10)	3/8" NPT	M14x2 Male	4 (1.8)	11-11/16 (296)	3-3/4 (95)

Tune-Up Kit: No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

5" & 7" Dia. Disc Sanders

1 hp and 1.2 hp Models



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High-Quality Air-Powered Disc Sanders

FOR ABRASIVE DISCS
5" (127 mm),
7" (178 mm) diameters
SEE PAGE 280

5" Diameter, Vertical, 1.2 hp, Side Exhaust

- Each model Includes 51150 Disc Pad Assembly (5" diameter).
- Powerful air motor is governor-controlled to maintain RPM under heavy load.
- Safety-lock throttle lever prevents accidental start-up.
- Side handle increases control and reduces hand fatigue.



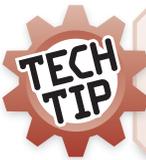
Model
50307

Model 50304 8,500 RPM

Model 50307 11,000 RPM



Model
50304



95462 Dynaswivel® air line connector is ideal for use with these tools. Dynaswivel® improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 223.)

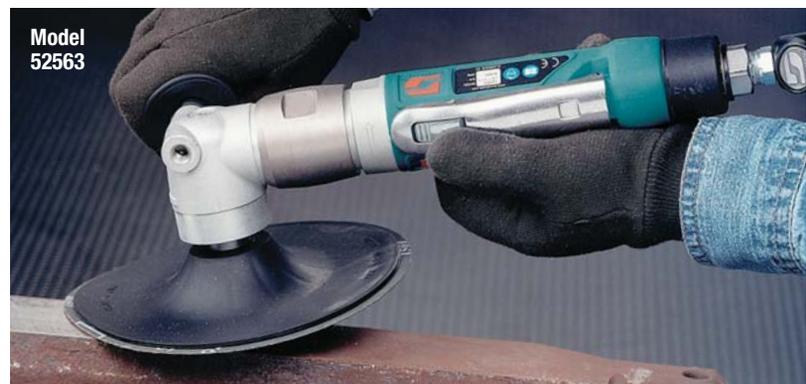


Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
50304	1.2 (895)	8,500	71 dB(A)	32 (906)	1/2 (13)	1/2" NPT	5/8"-11 Male	4.0 (1.8)	8 (203)	6 (152)
50307	1.2 (895)	11,000	75 dB(A)	36 (1,020)	1/2 (13)	1/2" NPT	5/8"-11 Male	4.0 (1.8)	8 (203)	6 (152)

Tune-Up Kit: No. 96041 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Model 52563 7" Diameter, 1 hp, Right Angle, 6,000 RPM, Rear Exhaust

- Includes 51151 Disc Pad Assembly (7" diameter).
- Air motor is governor-controlled to maintain RPM under heavy load.
- Lubricated gears increase durability.
- Side handle is reversible for left or right hand operation.
- Safety-lock throttle lever included.



Model
52563

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)
52563	1 (744)	6,000	80 dB(A)	40 (1,127)	3/8 (10)	3/8" NPT	5/8"-11 Male	4.1 (1.8)	11-11/16 (296)	3-3/4 (95)

Tune-Up Kit: No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

7" Dia. Disc Sanders

1.3 hp Model, Right Angle



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ACCESSORIES
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Lightweight Tool Delivers BIG Power and Performance

FOR ABRASIVE DISCS
7" (178 mm) diameter
SEE PAGE 280

- *Ideal for grinding sheet metal, composites and carbon fiber. Perfect for large surfaces.*
- *Also utilized for sanding and deburring metal parts.*
- *Great for surface conditioning, plus removing paint, rust and mill finish.*

- Includes 51151 Backing Pad, 7" (178 mm) diameter, and flange.
- Tool accepts optional 7" (178 mm) diameter Abrasive Discs with 7/8" (22 mm) center hole.
- Quiet, robust air motor is governor-controlled to maintain consistent RPM under load.
- Convenient Spindle Lock allows quick and easy changing of backing pad or abrasive.
- "Wick Lube" System extends gear life with simple lubrication.
- Vibration dampening side handle is removable for left or right hand use.
- Exhaust system rotates 360° to ensure exhaust is always directed away from operator.
- Solid cast aluminum construction.
- Insulated throttle handle reduces cold air transmission to hand. Throttle Handle position is adjustable.



Model 52657

5/8"-11 Spindle Thread Models

Model 52657 6,000 RPM

Model 52802 7,200 RPM

Model 53868 8,500 RPM

M14x2 Spindle Thread Models

Model 52656 6,000 RPM

Model 53869 8,500 RPM



Model 52657

All models include 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life.

See page 90 for VACUUM Model!

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)
52657	1.3 (969)	6,000	76 dB(A)	40 (1,138)	3/8 (10)	3/8" NPT	5/8"-11 Male	4.5 (2.0)	10 (255)	3-9/16 (90)
52802	1.3 (969)	7,200	78 dB(A)	40 (1,138)	3/8 (10)	3/8" NPT	5/8"-11 Male	4.5 (2.0)	10 (255)	3-9/16 (90)
53868	1.3 (969)	8,500	77 dB(A)	40 (1,138)	3/8 (10)	3/8" NPT	5/8"-11 Male	4.5 (2.0)	10 (255)	3-9/16 (90)
52656	1.3 (969)	6,000	76 dB(A)	40 (1,138)	3/8 (10)	3/8" NPT	M14x2	4.5 (2.0)	10 (255)	3-9/16 (90)
53869	1.3 (969)	8,500	79 dB(A)	40 (1,138)	3/8 (10)	3/8" NPT	M14x2	4.5 (2.0)	10 (255)	3-9/16 (90)

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

DISC SANDERS

7" Dia. Disc Sanders

2 hp and 3 hp Vertical Models



DISC PADS
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ACCESSORIES
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*Grind Sheet Metal, Fiberglass, Composites, Carbon Fiber
Sand, Deburr Metal Parts • Surface Condition • Remove Mill Finish
Finish Aluminum • Remove Paint & Rust*

FOR ABRASIVE DISCS
7" (178 mm) diameter
SEE PAGE 280

- **Governor-controlled air motor** maintains tool RPM under heavy load.
- **Overspeed shut-off feature** ensures maximum operator safety.
- Motor is gearless with less wearable parts, ensuring reduced maintenance and less downtime.
- Insulated tool handle minimizes cold air transmission to the hand. Handle position is adjustable for operator comfort.
- All models include safety-lock throttle lever.
- For peak performance, use of optional 95870 Air Hose (1/2" diameter) is recommended (see page 226).



2 hp (1,491 W) Models

- Each model includes 50283 Backup Pad, 7" (178 mm) in diameter (see page 242). Covers more area in less time!
- Pad accepts 7" (178 mm) diameter abrasive discs with 7/8" center hole, sold separately.



Model 53251

Model 53251
6,000 RPM

Model 53253
8,500 RPM

Model 53252
7,200 RPM



Gearless

3 hp (2,237 W) Models

- Each model includes 50283 Backup Pad, 7" (178 mm) in diameter (see page 242). Covers more area in less time!
- Pad accepts 7" (178 mm) diameter abrasive discs with 7/8" center hole, sold separately.



Model 53261

Model 53261
6,000 RPM

Model 53263
8,500 RPM

Model 53262
7,200 RPM



Gearless

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)
53251	2 (1,491)	6,000	81 dB(A)	80 (2,265)	1/2 (13)	1/2" NPT	5/8"-11 Male	7.9 (3.6)	9.4 (240)	5.8 (148)
53252	2 (1,491)	7,200	81 dB(A)	87 (2,464)	1/2 (13)	1/2" NPT	5/8"-11 Male	7.9 (3.6)	9.4 (240)	5.8 (148)
53253	2 (1,491)	8,500	80 dB(A)	84 (2,379)	1/2 (13)	1/2" NPT	5/8"-11 Male	7.9 (3.6)	9.4 (240)	5.8 (148)
53261	3 (2,237)	6,000	79 dB(A)	89 (2,520)	1/2 (13)	1/2" NPT	5/8"-11 Male	8.6 (3.9)	9.4 (240)	6.3 (160)
53262	3 (2,237)	7,200	82 dB(A)	98 (2,775)	1/2 (13)	1/2" NPT	5/8"-11 Male	8.6 (3.9)	9.4 (240)	6.3 (160)
53263	3 (2,237)	8,500	82 dB(A)	97 (2,747)	1/2 (13)	1/2" NPT	5/8"-11 Male	8.6 (3.9)	9.4 (240)	6.3 (160)

Tune-Up Kit: 2 hp Models – No. 96552; 3 hp Models – No. 96553 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Right Angle Wet Sander

Air-Powered Wet Rotary Sander



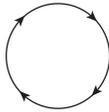
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WET TANK
PAGE 255

For Slow-Speed Material Removal

- All models run 5", 6", or 8" diameter polishing pads. Pads sold separately.
- Accepts variety of abrasive products including surface conditioning discs and film-backed discs.
- Water is fed through the center of pad directly to the work surface, providing optimum flushing of work surface and pad. This prevents buildup of sanding residue on the disc, allowing the tool to be used efficiently in any position. Independent water rinse allows flushing of the work surface without starting the tool.
- High torque air motor with variable speed. Rear exhaust muffler reduces noise levels.
- Safety-lock throttle and soft-grip handle (adjusts to left or right hand).

FOR ABRASIVE DISCS
5" (127 mm), 6" (152 mm),
8" (203 mm) diameter
NOT INCLUDED


Rotary Motion
(All models on page)



Model 51474

Disc Pad Sold Separately
(see page 240)

Basic Models

- Includes pre-assembled hook-ups, 95848 Gear Oil (2.5 oz. tube) and 95541 Grease Gun.

Model 51474 0-2,000 RPM, 5/8"-11 Thread

Model 51602 0-2,000 RPM, M14 Thread

Model 51476 0-3,100 RPM, 5/8"-11 Thread

Model 51603 0-3,100 RPM, M14 Thread

Deluxe Models

- Includes pre-assembled hook-ups and overhose assembly to reduce sound level. Also includes 96323 Air Line (3/8"), 95848 Gear Oil (2.5 oz. tube) and 95541 Grease Gun.

Model 51479 0-2,000 RPM, 5/8"-11 Thread

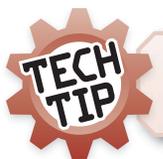
Model 51604 0-2,000 RPM, M14 Thread

Model 51605 0-3,100 RPM, M14 Thread



Model 51479

As 51479 is run, water is fed through pad center directly to work surface.



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

Model Number	Motor hp (W)	Motor RPM	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51474	.7 (522)	0-2,000	6 (152)	82 dB(A)	43 (1,218)	3/8 (10)	1/4" NPT	5/8"-11 Male	4.8 (2.2)	13 (330)	3-1/8 (79)
51476	.7 (522)	0-3,100	6 (152)	80 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	5/8"-11 Male	4.8 (2.2)	13 (330)	3-1/8 (79)
51479	.7 (522)	0-2,000	6 (152)	81 dB(A)	43 (1,218)	3/8 (10)	1/4" NPT	5/8"-11 Male	4.8 (2.2)	13 (330)	3-1/8 (79)
51602	.7 (522)	0-2,000	6 (152)	82 dB(A)	43 (1,218)	3/8 (10)	1/4" NPT	M14 Male	4.8 (2.2)	13 (330)	3-1/8 (79)
51603	.7 (522)	0-3,100	6 (152)	80 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	M14 Male	4.8 (2.2)	13 (330)	3-1/8 (79)
51604	.7 (522)	0-2,000	6 (152)	82 dB(A)	43 (1,218)	3/8 (10)	1/4" NPT	M14 Male	4.8 (2.2)	13 (330)	3-1/8 (79)
51605	.7 (522)	0-3,100	6 (152)	80 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	M14 Male	4.8 (2.2)	13 (330)	3-1/8 (79)

Tune-Up Kit: No. 96178 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

2"-7" Dia. Vacuum Disc Sanders

7° Offset and Right Angle Models



VAC SHROUDS
PAGE 221

DISC PADS
PAGE 242

Dynabrade's Vacuum Disc Sanders offer efficient material removal on non-metallic 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.

FOR ABRASIVE DISCS
2", 3", 5" and 7" diameters
(25 mm, 76 mm, 127 mm, 178 mm)
SEE PAGES 279-280

DISC SANDERS



Model 51236
2" (51 mm) Dia.
Page 85



Model 51230
2" (51 mm) Dia.
Page 86



Model 50561
3" (76 mm) Dia.
Page 88



Model 52596
5" (127 mm) Dia.
Page 89



Model 52596
5" (127 mm) Dia.
Page 89

Customers Tell the Story

From a fiberglass tank manufacturer:

"We are extremely satisfied with these tools."

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 these tools has yielded excellent results."



2" Dia. Vacuum Disc Sanders

.4 hp, 7° Offset Models, Rear Exhaust



VAC SHROUDS
PAGE 221

DISC PADS
PAGE 242

Material Removal with Source Capture

- 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.
- For use on **non-metallic materials**, such as fiberglass and composites.
- 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.

FOR ABRASIVE DISCS
2" (25 mm) diameter
SEE PAGE 279



Self-Generated Vacuum Model

Model 51235 25,000 RPM

- 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 219).



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.)



Gearless

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)
51235	.4 (298)	25,000	88 dB(A)	20 (556)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.3 (0.6)	9-3/4 (249)	3-7/8 (98)

Tune-Up Kit: No. 96049 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Central Vacuum Model

Model 51236 25,000 RPM

- 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.



Vacuum Conversion Kits and Shrouds also Sold Separately! See Page 221.



Gearless

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)
51236	.4 (298)	25,000	78 dB(A)	20 (556)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.7 (0.7)	10-1/4 (261)	3-7/8 (98)

Tune-Up Kit: No. 96049 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

DISC SANDERS

2" Dia. Vacuum Disc Sanders

.4 hp, Right Angle Models, Rear Exhaust



VAC SHROUDS
PAGE 221

DISC PADS
PAGE 242

Material Removal with Source Capture

- 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.
- For use on **non-metallic materials**, such as fiberglass and composites.
- 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.

FOR ABRASIVE DISCS
2" (25 mm) diameter
SEE PAGE 279



Shroud angle ensures ideal contact of abrasive to work surface.

Self-Generated Vacuum Models

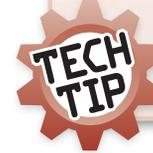
- Each model includes 51344 Backing Pad, for 2" (51 mm) diameter locking-type abrasive discs.
- Utilizes tool's exhaust to create strong vacuum suction.
- 1" (25 mm) diameter vacuum port ready for connection to optional portable dust-collection system (see page 219).



1" Port

Model 51225

All models on page include 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life.



Model 51225 12,000 RPM

Model 51226 15,000 RPM

Model 51227 20,000 RPM

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)
51225	.4 (298)	12,000	88 dB(A)	20 (556)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.4 (0.6)	9 (228)	3-1/2 (90)
51226	.4 (298)	15,000	89 dB(A)	20 (556)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.4 (0.6)	9 (228)	3-1/2 (90)
51227	.4 (298)	20,000	88 dB(A)	20 (556)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.4 (0.6)	9 (228)	3-1/2 (90)

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

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 12,000 RPM

Model 51231 15,000 RPM

Model 51232 20,000 RPM



1-1/4" Port

Model 51230

Model 51230

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)
51230	.4 (298)	12,000	82 dB(A)	20 (556)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.7 (0.7)	9-3/4 (249)	3-1/2 (90)
51231	.4 (298)	15,000	79 dB(A)	20 (556)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.7 (0.7)	9-3/4 (249)	3-1/2 (90)
51232	.4 (298)	20,000	81 dB(A)	20 (556)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.7 (0.7)	9-3/4 (249)	3-1/2 (90)

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

3" Dia. Vacuum Disc Sanders

.4 hp, Right Angle Models, Rear Exhaust



VAC SHROUDS
PAGE 221

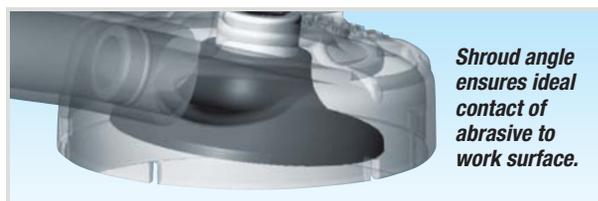
DISC PADS
PAGE 242

Material Removal with Source Capture

FOR ABRASIVE DISCS
3" (76 mm) diameter
SEE PAGE 279

Self-Generated Vacuum Models

- Flexible, non-marring Vacuum Shroud allows capture of dust, debris and contaminants (including Hexavalent Chromium).
- 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.
- For use on **non-metallic materials**, such as fiberglass and composites.
- 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 219).
- Each model includes 51346 Backing Pad, for 3" (76 mm) diameter locking-type abrasive discs.
- "Wick Lube" system extends gear life with simple lubrication.



Self-Generated Vacuum, Trimmed Shroud

All models on page include 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life.



Model 50210 Trimmed Shroud, 15,000 RPM

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

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)
50210	.4 (298)	15,000	86 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.7 (0.7)	9-3/4 (249)	3-7/8 (98)

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

Model 50570 Standard Shroud, 15,000 RPM

- 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.



Self-Generated Vacuum, Standard Shroud

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)
50570	.4 (298)	15,000	86 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.7 (0.7)	9-3/4 (249)	4-3/8 (109)

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

3" Dia. Vacuum Disc Sanders

.4 hp, Right Angle Models, Rear Exhaust



VAC SHROUDS
PAGE 221

DISC PADS
PAGE 242

Material Removal with Source Capture

Central Vacuum Models

- Flexible, non-marring Vacuum Shroud allows capture of dust, debris and contaminants (including Hexavalent Chromium) for cleaner, safer work environment.
- 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.
- Vacuum Shroud angle ensures ideal surface contact for maximum debris extraction.
- For use on **non-metallic materials**, such as fiberglass and composites.
- 1-1/4" (32 mm) diameter vacuum port ready for connection to external or central vacuum system.
- Each model includes 51346 Backing Pad, for 3" (76 mm) diameter locking-type abrasive discs.
- "Wick Lube" system extends gear life with simple lubrication.

Model 50211 Trimmed Shroud, 15,000 RPM

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



Model 50211

FOR ABRASIVE DISCS
3" (76 mm) diameter
SEE PAGE 279

All models on page include 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life.



Central Vacuum, Trimmed Shroud

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)
50211	.4 (298)	15,000	83 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.7 (0.7)	10-1/2 (266)	3-7/8 (98)

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

Model 50561 Standard Shroud, 15,000 RPM

- 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 50561

Central Vacuum, Standard Shroud



Model 50561

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)
50561	.4 (298)	15,000	83 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-20 Male	1.7 (0.7)	10-1/2 (266)	4-3/8 (109)

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

5" Dia. Vacuum Disc Sander

1.3 hp, Right Angle Model



VAC SHROUD
BELOW

DISC PADS
PAGE 242

Material Removal with Source Capture

- 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-metallic surfaces** such as fiberglass and composites. A vital tool in the marine industry and aftermarket!

FOR ABRASIVE DISCS
5" (127 mm) diameter
SEE PAGE 280

Model 52596

Central Vacuum, 12,000 RPM, 5/8"-11 Spindle

- 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.
- Includes 95848 Gear Oil and 95541 Gear Oil Gun.
- Tool includes vibration-dampening side handle.
- Safety-lock throttle lever is standard.



Model 52596

Vacuum Shroud with unique "View Port"



WATCH this
Disc Sander
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	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52596	1.3 (970)	12,000	81 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	5/8"-11 Male	5.5 (2.5)	16 (410)	4 (100)

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



Vacuum Shroud Assembly

- 52744 Vacuum Shroud Assembly is sold separately, for converting Dynabrade 52635 Disc Sander (page 77) into vacuum model.
- Individual components (as shown) also sold separately.



DISC SANDERS

7" Dia. Vacuum Disc Sander

1.3 hp, Right Angle Model



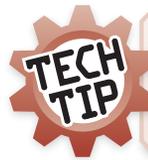
COUPLER/PLUG
PAGE 228

DISC PADS
PAGE 242

Material Removal with Source Capture

- Grind, Sand, Deburr, Finish
- For use on Non-Metallic Surfaces such as Carbon Fiber, Composites, Fiberglass, Turbine Blades, more
- Vacuum Shroud Captures Airborne Contaminants such as Hexavalent Chromium

FOR ABRASIVE DISCS
7" (178 mm) diameter
SEE PAGE 280



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



1-1/4" diameter Swivel Cuff improves maneuverability!

Vibration Dampening Side Handle (for left or right hand use)

DISC SANDERS



Model 52597

Includes Conductive Hose & Cuffs, to shield operator from electrostatic discharge (ESD)!

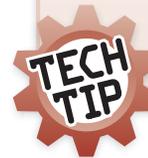
Vacuum Shroud with Unique "View Port"

Model 52597

Central Vacuum, 6,000 RPM, 5/8"-11 Spindle

- An essential tool for nuclear plants, aerospace, wind energy, automotive and marine markets.
- Tool accepts optional 7" (178 mm) diameter Abrasive Discs with 7/8" (22 mm) center hole.
- Includes 51151 Backing Pad, 7" (178 mm) in diameter, and flange.
- Lightweight non-marring Vacuum Shroud is constructed of high-quality clear urethane.
- 3/4" (19 mm) Shroud Brush assists in capture of airborne contaminants.
- Shroud has "View Port" which allows operator to see abrasive disc and work surface.
- Quiet, robust 1.3 hp air motor is governor-controlled to maintain consistent RPM under load.
- Convenient Spindle Lock allows quick and easy changing of backing pad or abrasive.
- "Wick Lube" System extends gear life with regular lubrication.
- 52747 Vacuum Shroud (7" dia.) is also available separately.

Model includes 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life.



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)
52597	1.3 (969)	6,000	76 dB(A)	40 (1,138)	3/8 (10)	3/8" NPT	5/8"-11 Male	5.8 (2.6)	14-5/8 (373)	3-7/8 (104)

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

Dynabrade Systems & Solutions

For Disc Sanders – Suggested Tool/Accessory Combinations



TOOL	ABRASIVE	ACCESSORIES	
Disc Sander Model 48503 7° Offset, 25,000 RPM, .4 hp Page 72	2" Diameter Abrasive Discs Locking-Type Page 279	Disc Sanding Pad 51344 Locking-Type Page 242	Overhose Assembly 94994 Page 247
Disc Sander Model 47822 Right Angle, 20,000 RPM, .4 hp Page 73	2" Diameter Abrasive Discs Locking-Type Page 279	Disc Sanding Pad 51344 Locking-Type Page 242	DynaJet Blow Gun 94467 Page 224
Disc Sander Model 48531 Right Angle, 15,000 RPM, .4 hp Page 74	3" Diameter Abrasive Discs Locking-Type Page 279	Disc Sanding Pad 51346 Locking-Type Page 242	Vacuum Shroud Kit 54603 Page 221
Pistol Grip Disc Sander Model 50321 11,000 RPM, .7 hp Page 79	4-1/2" - 5" Diameter Abrasive Discs Center Hole Page 280	Disc Pad Assembly 50267 Page 242	Motor Tune-Up Kit 96047 Page 267
Disc Sander Model 52563 Right Angle, 6,000 RPM, 1 hp Page 80	7" Diameter Abrasive Discs Center Hole Page 280	Disc Sanding Pad 51151 Page 242	Gear Oil 95848 Page 254

DISC SANDERS

ESSENTIAL ACCESSORIES

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



DYNABRADE

GRINDERS

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GRINDERS



Depressed Center Wheel Grinders

Air-Powered Grinders, 2" and 3" Diameter



COUPLER/PLUG
PAGE 228

ACCESSORIES
PAGE 222

For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

**FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS**
2", 3" Dia. (51 mm, 76 mm)
SEE PAGE 281

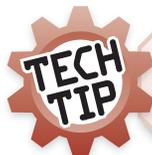
2" Diameter, Right Angle, .4 hp, Rear Exhaust

- Each model includes 90999 Type 27 Reinforced Depressed Center Wheel (24 grit), 2" diameter with 3/8" center hole (maximum wheel width of 3/16").
- Compact, short muffler design.
- Safety-lock throttle lever, wheel guard and flanges are included.

Model 52710 12,000 RPM

Model 52711 15,000 RPM

Model 52712 20,000 RPM



NEVER remove required Wheel Guard from Depressed Center Wheel Grinder.



Model 52710

3" Diameter, Right Angle, .4 hp, Rear Exhaust

Model 52705 15,000 RPM

- Accepts optional 3" diameter Type 27 Reinforced Depressed Center Wheel, with 3/8" center hole (wheel width of 1/8" to 1/4").
- "Dual wick" lubrication system saturates gears with oil for increased performance, extended life and reduced downtime (following proper maintenance procedures).
- 15,000 RPM air motor has Kevlar® phenolic vanes for longer life.
- Air passage continually cools gear box to reduce wear and heat buildup.
- Safety-lock throttle lever, wheel guard and flanges are included.
- Extended rear exhaust muffler design.



Model 52705

Wheel Sold Separately

3" Diameter, Right Angle, .55 hp, Rear Exhaust

Model 57127 15,000 RPM

- Accepts optional 3" diameter Type 27 Reinforced Depressed Center Wheel, with 3/8" center hole (maximum wheel width of 1/8").
- Powerful high-torque grinding action; standard muffler for reduced sound levels.
- Gearless design for reduced maintenance and downtime.
- Removable side handle. Also includes safety-lock throttle lever, plus guard and wheel flange set.



Gearless



Model 57127

Wheel Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52705	.4 (298)	15,000	77 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.6 (0.7)	8-1/4 (210)	2-5/8 (67)
52710	.4 (298)	12,000	83 dB(A)	21 (595)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.1 (0.5)	5-3/4 (146)	3 (76)
52711	.4 (298)	15,000	85 dB(A)	21 (595)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.1 (0.5)	5-3/4 (146)	3 (76)
52712	.4 (298)	20,000	84 dB(A)	21 (595)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.1 (0.5)	5-3/4 (146)	3 (76)
57127	.55 (410)	15,000	84 dB(A)	33 (934)	3/8 (10)	1/4" NPT	3/8"-24 Male	1.9 (0.8)	6 (152)	3-7/8 (98)

Tune-Up Kit: 52705, 52710, 52711, 52712 – No. 96179; 57127 – No. 96522 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

GRINDERS

Depressed Center Wheel Grinders

Air-Powered Grinders, 3" Diameter



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For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS
3" (76 mm) Diameter
SEE PAGE 281

- Models accept optional 3" diameter Type 27 reinforced Depressed Center Wheels, with 3/8" center hole (wheel width of 1/8" to 1/4").
- "Dual-wick" lubrication system saturates gears with oil for increased performance, extended life and reduced downtime.
- Adjustable wheel guard provides maximum operator protection.
- Safety-lock lever is included.



Model 54767

Wheel Sold Separately



Model 54769

Wheel Sold Separately

Composite Housing Models

Right Angle, .7 hp, Rear Exhaust

- Models include aluminum right angle head.

Model 54767 18,000 RPM

- Includes side handle for left or right-hand use.

Model 54769 18,000 RPM, Extended

- Extension design allows longer reach on work piece, and two-hand control for added comfort.

Steel Housing Models

Right Angle, .7 hp, Rear Exhaust

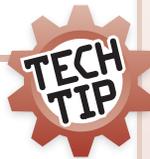
- Steel housings offer increased durability!
- Models include steel right angle housing.

Model 54783 18,000 RPM

- Includes side handle for left or right-hand use.

Model 54785 18,000 RPM, Extended

- Extension design allows longer reach on work piece, and two-hand control for added comfort.



All models on page include 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life.



Model 54783

Wheel Sold Separately



Model 54785

Wheel Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
54767	.7 (522)	18,000	81 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.8 (1.3)	8 (202)	3 (76)
54769	.7 (522)	18,000	82 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.4 (1.5)	11-3/8 (288)	3 (76)
54783	.7 (522)	18,000	80 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.6 (1.6)	8-1/16 (204)	3 (76)
54785	.7 (522)	18,000	80 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	3/8"-24 Male	4.0 (1.8)	11-7/16 (290)	3 (76)

Tune-Up Kit: Composite – No. 96680; Steel – No. 98623 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Depressed Center Wheel Grinders

Air-Powered Grinders, 3" and 4" Diameter



DYNASWIVEL®
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For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS
3", 4" Dia. (76 mm, 102 mm)
SEE PAGE 281

3" Diameter, 7° Offset, .7 hp, Front Exhaust

Model 52700 18,000 RPM

- Accepts optional 3" diameter Type 27 Reinforced Depressed Center Wheels, with 3/8" center hole (wheel width of 1/8" to 1/4").
- Powerful high-torque grinding action.
- Gearless design for reduced maintenance and downtime.
- Handle is offset 7° for enhanced operator comfort.
- Removable side handle; guard and wheel flange set included.
- Easily converts to 1/4" Die Grinder (with optional 50010 Collet), or Drill (with optional 53032 Chuck).



Use ONLY Type 27 Reinforced Depressed Center Wheels (sold separately, unless noted) with Depressed Center Wheel Grinders.



Model 52700



Gearless

Wheel Sold Separately

4" Diameter, Right Angle, .4 hp, Rear Exhaust

Model 52706 12,000 RPM

- Accepts optional 4" diameter Type 27 Reinforced Depressed Center Grinding Wheel, with 5/8" center hole (wheel width of 1/8" to 1/4").
- "Dual wick" lubrication system saturates gears with oil for increased performance, extended life and reduced downtime. Tool includes 95848 Gear Oil and 95541 Gear Oil Gun.
- 12,000 RPM air motor has Kevlar® phenolic vanes for longer life.
- Air passage continually cools gear box to reduce wear and heat buildup.
- Safety-lock throttle lever, wheel guard and flanges are included.
- Extended rear exhaust muffler design.



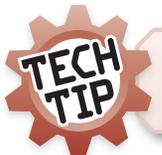
Model 52706

Wheel Sold Separately

4" Diameter, Right Angle, 1 hp, Rear Exhaust

Model 50302 12,000 RPM

- Accepts optional 4" diameter Type 27 Reinforced Depressed Center Wheel, with 5/8" center hole (wheel width of 1/8" to 1/4").
- Powerful high-torque grinding action; extended rear muffler ensures lowest sound level.
- Reversible side handle for left or right hand operation.



Always use required Wheel Guard. Never remove a guard that is specified for a tool.



Model 50302

Wheel Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
50302	1 (744)	12,000	76 dB(A)	40 (1,138)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.5 (2.0)	11-3/4 (299)	3-5/8 (92)
52700	.7 (522)	18,000	83 dB(A)	32 (906)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.2 (1.0)	7-1/4 (184)	4-1/2 (114)
52706	.4 (298)	12,000	78 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.7 (0.8)	7-1/2 (189)	3 (76)

Tune-Up Kit: 50302 – No. 96532; 52700 – No. 96045; 52706 – No. 96179 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Depressed Center Wheel Grinders

Air-Powered Grinders, 4" Diameter



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For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS
4" (102 mm) Diameter
SEE PAGE 281

- Models accepts optional 4" diameter Type 27 reinforced Depressed Center Wheels, with 3/8" center hole (wheel width of 1/8" to 1/4").
- "Dual-wick" lubrication system saturates gears with oil for increased performance, extended life and reduced downtime.
- Adjustable wheel guard provides maximum operator protection.
- Safety-lock lever is included.



Model 54771



Model 54773

Wheel Sold Separately

Composite Housing Models

Right Angle, .7 hp, Rear Exhaust

- Models include aluminum right angle head.

Model 54771 12,000 RPM

Model 54775 13,500 RPM

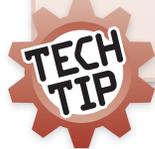
- Each model includes side handle for left or right-hand use.

Model 54773 12,000 RPM, Extended

Model 54777 13,500 RPM, Extended

- Extension design allows longer reach on work piece, and two-hand control for added comfort.

Model includes 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life.



Model 54791

Wheel Sold Separately

Steel Housing Models

Right Angle, .7 hp, Rear Exhaust

- Steel housings offer increased durability!
- Models include steel right angle housing.

Model 54787 12,000 RPM

Model 54791 13,500 RPM

- Each model includes side handle for left or right-hand use.

Model 54789 12,000 RPM, Extended

Model 54793 13,500 RPM, Extended

- Extension design allows longer reach on work piece, and two-hand control for added comfort.



Model 54793

Wheel Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
54771	.7 (522)	12,000	83 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.9 (1.3)	8 (202)	3-1/16 (78)
54773	.7 (522)	12,000	81 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.5 (1.6)	11-3/8 (288)	3-1/16 (78)
54775	.7 (522)	13,500	83 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.9 (1.3)	8 (202)	3-1/16 (78)
54777	.7 (522)	13,500	80 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.5 (1.6)	11-3/8 (288)	3-1/16 (78)
54787	.7 (522)	12,000	83 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.7 (1.7)	8-1/16 (204)	3-1/16 (78)
54789	.7 (522)	12,000	79 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	4.2 (1.9)	11-7/16 (290)	3-1/16 (78)
54791	.7 (522)	13,500	84 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.7 (1.7)	8-1/16 (204)	3-1/16 (78)
54793	.7 (522)	13,500	80 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	4.2 (1.9)	11-7/16 (290)	3-1/16 (78)

Tune-Up Kit: Composite – No. 96680; Steel – No. 98623 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

GRINDERS

Depressed Center Wheel Grinders

1.3 hp, Right Angle, 4"-5" Diameter



COUPLER/PLUG
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ACCESSORIES
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Dynabrade's 1.3 hp (970 W) Right Angle Depressed Center Wheel Grinders offer countless grinding solutions to industries such as metal/stainless steel fabrication, composites, masonry, ironwork and general welding. Designed to the Dynabrade standard of excellence, these tools offer a wide array of features to increase efficiency and maximize operator comfort!

**FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS
4"-5" Dia. (102 mm-127 mm)
SEE PAGE 281**

Vibration Dampening Side Handle

Specially designed to reduce vibration transfer to operator. Removable for left or right hand use.

Rotational Exhaust System

Rotates a full 360° to ensure that exhaust is directed away from operator.

Safety-Lock Throttle Lever

Prevents accidental start-up of tool. Lever has no sharp edges or "pinch points."

Cast Aluminum Construction

Tool housing and handle made of solid cast aluminum.

"Wick Lube" System for Longer Gear Life

Extends gear life with simple lubrication. All models include 95848 Gear Oil and 95541 Gear Oil Gun.



Model
52632

Type 27 Wheel
Sold Separately

Insulated Throttle Handle

Reduces cold air transmission to operator's hand. Handle position is adjustable, increasing comfort and efficiency.

Robust 1.3 hp Air Motor

1.3 hp (970 W) governor-controlled air motor delivers powerful, efficient performance.

Convenient Spindle Lock

Allows quick and easy change of grinding wheel or abrasive disc. Less downtime!

GRINDERS



52632 Depressed Center Wheel Grinder also powers optional Abrasive Flap Discs.



Ergonomic design of tool offers the best in operator comfort.



All models include powerful 1.3 hp air motor running at 12,000 or 13,500 RPM.

Depressed Center Wheel Grinders

1.3 hp, Right Angle, 4"-5" Diameter



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For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS
4"-5" Dia. (102 mm-127 mm)
SEE PAGE 281

4" (102 mm) Diameter, 13,500 RPM Model

Model 52630

13,500 RPM, 3/8"-24 Spindle Thread

- Tool accepts optional 4" (102 mm) diameter Type 27 Reinforced Depressed Center Wheels with 5/8" (16 mm) center hole (wheel width of 1/8" to 1/4").

Vibration Dampening
Side Handle included!
(All models on page)



Type 27 Wheel
Sold Separately

4-1/2" (114 mm) Diameter, 12,000 RPM Models

- Tool accepts optional 4-1/2" (114 mm) diameter Type 27 Reinforced Depressed Center Wheels with 7/8" (22 mm) center hole (wheel width of 1/8" to 1/4").
- Tool also accepts optional 4-1/2" (114 mm) diameter Abrasive Flap Discs (flanging sold separately).

Model 52632 5/8"-11 Spindle Thread

Model 52638 M14x2 Spindle Thread



Type 27 Wheel
Sold Separately

Optional Backup Flange

- For mounting high-profile Abrasive Flap Disc with 7/8" center hole.

53697 – for 5/8"-11 Models.

53630 – for M14x2 Models.



5" (127 mm) Diameter, 12,000 RPM Models

- Tool accepts optional 5" (127 mm) diameter Type 27 Reinforced Depressed Center Wheels with 7/8" (22 mm) center hole (wheel width of 1/8" to 1/4").
- Tool also accepts optional 5" (127 mm) diameter Abrasive Flap Discs (flanging sold separately).

Model 52633 5/8"-11 Spindle Thread

Model 52639 M14x2 Spindle Thread



Type 27 Wheel
Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52630	1.3 (970)	13,500	81 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.8 (2.2)	10 (254)	3.4 (86)
52632	1.3 (970)	12,000	79 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	5/8"-11 Male	5.1 (2.3)	10 (254)	3.8 (96)
52633	1.3 (970)	12,000	79 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	5/8"-11 Male	5.4 (2.5)	10 (254)	3.8 (96)
52638	1.3 (970)	12,000	80 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	M14x2 Male	5.1 (2.3)	10 (254)	3.8 (96)
52639	1.3 (970)	12,000	80 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	M14x2 Male	5.4 (2.5)	10 (254)	3.8 (96)

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

Electric Depressed Center Wheel Grinder



ABRASIVE FLAP DISCS
PAGE 280

SIDE HANDLE
PAGE 253

For 4-1/2" (114 mm) Dia. Grinding Wheels and Abrasive Flap Discs

FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS
4-1/2" (114 mm) Diameter
SEE PAGE 281

- **Industrial-Quality Electric Motor**
- **Quick Weld & Stock Removal**
- **General Deburring**
- **Rust & Scale Removal**

Model 40260 11,000 RPM

- Offers countless grinding and material removal solutions to industries such as metal fabrication, general welding, masonry, concrete, composites, ornamental ironwork and maintenance/repair facilities.
- 5/8"-11 spindle thread accepts optional Type 27 Depressed Center Wheels and Abrasive Flap Discs, 4-1/2" (114 mm) diameter with 7/8" (22 mm) center hole.
- Industrial-quality electric motor rated at 6 amps.
- Easily accessible brush holders allow quick brush replacement (recommended every 150 hours).
- Convenient spindle lock offers fast change of accessory.
- Press-fit design keeps gear in place, for optimum gear life.
- Locking power switch allows extended use with less operator fatigue.
- Repositioning side handle for left or right hand operation.
- All ball-bearing and needle-bearing construction ensures longer tool durability.



40260 Depressed Center Wheel Grinder offers countless grinding and material removal solutions to a wide variety of industries.

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

Model Number	Maximum Watts Out	Motor RPM	Voltage (AC)	Current Amps	Phase	Frequency	Weight* Pound (kg)	Length Inch (mm)	Height Inch (mm)
40260	680	11,000	120	6	1	60 Hz	4.6 (2.1)	12 (305)	4-1/4 (108)

*Weight includes flanges, side handle and wheel guard, with no wheel attached.

Dynabrade.com

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- **Spanish** (Español)
- **Portuguese** (Português)
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- **French** (Français)
- **Simplified Chinese** (简体中文)
- **Russian** (русский)



GRINDERS

Depressed Center Wheel Grinders

Air-Powered Grinders, 5" Diameter



COUPLER/PLUG
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ACCESSORIES
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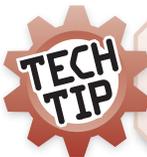
For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS
5" Dia. (127 mm)
SEE PAGE 281

5" Diameter, Pistol Grip, .7 hp, Rear Exhaust

Model 50340 11,000 RPM

- Accepts optional Type 27 Reinforced Depressed Center Wheel, 5" diameter, with 7/8" center hole. (Wheel width of 1/8" to 1/4".)
- Governor controlled motor to maintain RPM under heavy load.
- Gearless design for reduced maintenance and downtime.
- Removable side handle, guard and wheel flange set included.



Use ONLY Type 27 Reinforced Depressed Center Wheels (sold separately, unless noted) with these models.

Wheel Sold Separately

5" Diameter, Vertical, 1.2 hp, Side Exhaust

Model 50303 12,000 RPM

- Accepts optional Type 27 Reinforced Depressed Center Wheel, 5" diameter, with 7/8" center hole. (Wheel width of 1/8" to 1/4".)
- Powerful air motor is governor-controlled to maintain RPM under heavy load.
- Gearless for reduced maintenance and downtime.
- Safety-lock throttle lever prevents accidental startup. Side handle increases safety and reduces hand fatigue.
- Guard and wheel flange set included.



Wheel Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
50303	1.2 (895)	12,000	81 dB(A)	38 (1,076)	1/2 (13)	1/2" NPT	5/8"-11 Male	5.4 (2.4)	8 (203)	6-5/8 (168)
50340	.7 (522)	11,000	76 dB(A)	32 (906)	3/8 (10)	1/4" NPT	5/8"-11 Male	4.6 (2.1)	8 (203)	6-5/8 (168)

Tune-Up Kit: 50303 – No. 96041; 50340 – No. 96047 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Depressed Center Wheel Grinders

Air-Powered Grinders, 7" Diameter



1/2" AIR LINE
PAGE 226

COUPLER/PLUG
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For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

**FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS**
7" (178 mm) Diameter
NOT INCLUDED

7" Diameter, Right Angle, 1.2 hp, Side Exhaust

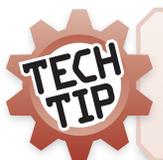
Model 50350 6,000 RPM

- Accepts optional 7" diameter Type 27 Reinforced Depressed Center Wheel, with 7/8" center hole (wheel width of 1/8" to 1/4").
- Includes 11399 Type 27 Wheel Mounting Adapter Kit, with front and rear flange plus hex wrench.
- Optional 52190 Guard is available, for left hand operation.



Model 50350

Wheel Not Included



95462 Dynaswivel® air line connector is ideal for use with these tools. It improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 223.)



7" Diameter, Right Angle, 2 hp, Side Exhaust

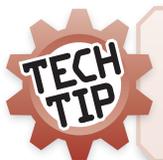
Model 50348 6,000 RPM

- Accepts optional 7" diameter Type 27 Reinforced Depressed Center Wheel, with 7/8" center hole (wheel width of 1/8" to 1/4").
- Includes 11399 Type 27 Wheel Mounting Adapter Kit, with front and rear flange plus hex wrench.
- Powerful air motor is governor-controlled to maintain RPM under heavy load, and to insure smooth operation. Lubricated gears increase durability.
- Safety-lock throttle lever prevents accidental startup. Side handle enhances operator control. Rubber insulated grip reduces cold on operator's hand.
- Optional 52190 Guard is available, for left hand operation.



Model 50348

Wheel Not Included



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
50348	2.0 (1,491)	6,000	83 dB(A)	64 (1,812)	1/2 (13)	1/2" NPT	5/8"-11 Male	8.6 (3.9)	13-3/4 (349)	5-1/4 (132)
50350	1.2 (893)	6,000	79 dB(A)	43 (1,218)	1/2 (13)	1/2" NPT	5/8"-11 Male	6.8 (3.1)	11-3/4 (298)	4-5/8 (118)

Tune-Up Kit: 50348 – No. 96043; 50350 – No. 96042 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

GRINDERS

Depressed Center Wheel Grinders

Air-Powered Vertical Grinders, 7" and 9" Diameter



1/2" AIR LINE
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ACCESSORIES
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For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

FOR TYPE 27 REINFORCED
DEPRESSED CTR. WHEELS
7" (178 mm) Diameter
NOT INCLUDED

- **Governor-controlled air motor** maintains tool RPM under heavy load.
- **Overspeed shut-off feature** ensures maximum operator safety.
- Motor is gearless with less wearable parts, ensuring reduced maintenance and less downtime.
- Insulated tool handle minimizes cold air transmission to the hand. Handle position is adjustable for operator comfort.
- All models include safety-lock throttle lever.
- For peak performance, use of optional 95870 Air Hose (1/2" diameter) is recommended (see page 226).



2 hp (1,491 W) Models, 7" Dia.

- Each model accepts optional Type 27 reinforced Depressed Center Wheels, 7" (178 mm) diameter. (Wheel width of 1/8" to 1/4".) Covers more area in less time!



Model 53232
6,000 RPM

Model 53234
7,200 RPM

Model 53235
8,500 RPM



3 hp (2,237 W) Models, 7" Dia.

- Each model accepts optional Type 27 reinforced Depressed Center Wheels, 7" (178 mm) diameter. (Wheel width of 1/8" to 1/4".) Covers more area in less time!



Model 53242
6,000 RPM

Model 53244
7,200 RPM

Model 53245
8,500 RPM



3 hp (2,237 W) Model, 9" Dia.

Model 53249
6,000 RPM

- Accepts optional Type 27 reinforced Depressed Center Wheels, 9" (229 mm) diameter. Covers more area in less time!



IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
53232	2 (1,491)	6,000	84 dB(A)	80 (2,265)	1/2 (13)	1/2" NPT	5/8"-11 Male	9.2 (4.2)	9.5 (241)	6.5 (166)
53234	2 (1,491)	7,200	81 dB(A)	87 (2,464)	1/2 (13)	1/2" NPT	5/8"-11 Male	9.2 (4.2)	9.5 (241)	6.5 (166)
53235	2 (1,491)	8,500	81 dB(A)	84 (2,379)	1/2 (13)	1/2" NPT	5/8"-11 Male	9.2 (4.2)	9.5 (241)	6.5 (166)
53242	3 (2,237)	6,000	83 dB(A)	89 (2,520)	1/2 (13)	1/2" NPT	5/8"-11 Male	9.8 (4.4)	9.5 (241)	7 (179)
53244	3 (2,237)	7,200	86 dB(A)	98 (2,775)	1/2 (13)	1/2" NPT	5/8"-11 Male	9.8 (4.4)	9.5 (241)	7 (179)
53245	3 (2,237)	8,500	85 dB(A)	97 (2,747)	1/2 (13)	1/2" NPT	5/8"-11 Male	9.8 (4.4)	9.5 (241)	7 (179)
53249	3 (2,237)	6,000	85 dB(A)	87 (2,464)	1/2 (13)	1/2" NPT	5/8"-11 Male	11.4 (5.2)	9.5 (241)	7.2 (182)

Tune-Up Kit: 2 hp Models – No. 96552; 3 hp Models – No. 96553 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

GRINDERS

Type 1 Wheel Grinders

Air-Powered Grinders, 3" and 4" Diameter



COUPLER/PLUG
PAGE 228

ACCESSORIES
PAGE 222

*Clean Metal, Grind and Smooth Weld Seams,
Remove Imperfections Prior to Painting*

**FOR REINFORCED TYPE 1
GRINDING WHEELS**
3" and 4" Dia. (76 mm and 102 mm)
SEE PAGE 281

3" Diameter, Straight Line, 1 hp, 6" Extension

- Each model accepts optional 3" diameter Type 1 Reinforced Wheel, with 3/8" center hole (maximum wheel width of 1/2").
- Governor-controlled motor maintains RPM under heavy load; rear exhaust.
- Safety-lock lever is included on all models.
- Standard cushioned grip enhances operator comfort and control.

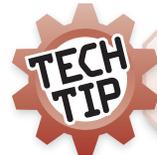
Model 52376 12,000 RPM

Model 52377 15,000 RPM

Model 52378 18,000 RPM



Model 52376



Always use required wheel guard. Never remove a guard that is specified for a tool.

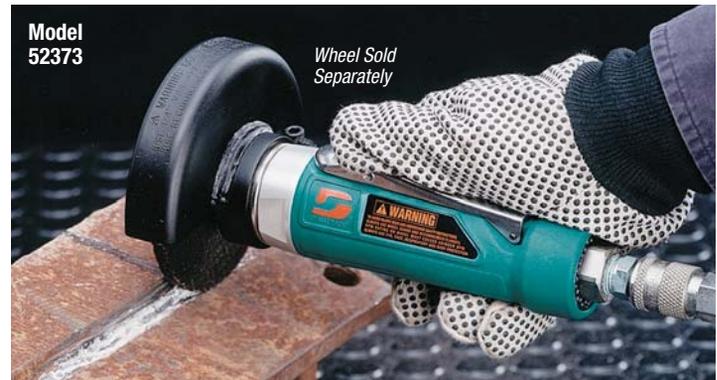
Wheel Sold Separately

4" Diameter, Straight Line, 1 hp

- Each model accepts optional 4" diameter Type 1 Reinforced Wheel, with 3/8" center hole (maximum wheel width of 1/4").
- Governor-controlled motor maintains RPM under heavy load; rear exhaust.
- Safety-lock lever is included on all models.

Model 52373 12,000 RPM

Model 52374 15,000 RPM



Model 52373

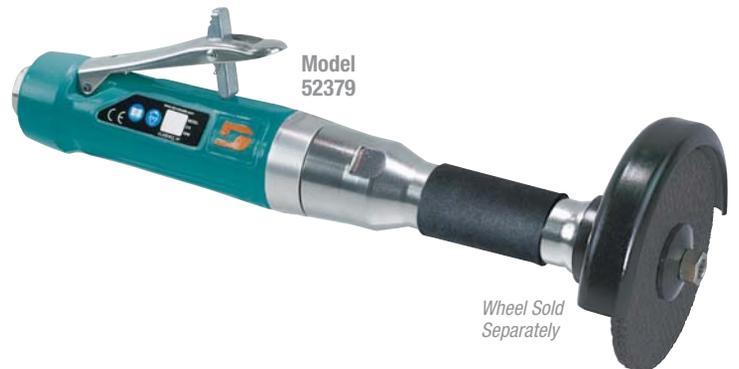
Wheel Sold Separately

4" Diameter, Straight Line, 1 hp, 6" Extension

- Each model accepts optional 4" diameter Type 1 Reinforced Wheel, with 3/8" center hole (maximum wheel width of 1/4").
- Governor-controlled motor maintains RPM under heavy load; rear exhaust.
- Safety-lock lever is included on all models.
- Standard cushioned grip enhances operator comfort and allows additional control.

Model 52379 12,000 RPM

Model 52380 15,000 RPM



Model 52379

Wheel Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52373	1.0 (744)	12,000	81 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	3/8"-24 Male	2.7 (1.2)	8-5/8 (218)	4-1/2 (113)
52374	1.0 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3/8"-24 Male	2.8 (1.3)	9-3/4 (248)	4-1/2 (113)
52376	1.0 (744)	12,000	81 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.9 (1.8)	14-1/4 (362)	3-1/2 (89)
52377	1.0 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.9 (1.8)	14-1/4 (362)	3-1/2 (89)
52378	1.0 (744)	18,000	78 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.9 (1.8)	14-1/4 (362)	3-1/2 (89)
52379	1.0 (744)	12,000	81 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.9 (1.8)	14-1/4 (362)	4-1/2 (113)
52380	1.0 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.9 (1.8)	14-1/4 (362)	4-1/2 (113)

Tune-Up Kit: No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Type 11 Cup Wheel Grinders

Air-Powered Vertical Grinders, 6" Diameter



1/2" AIR LINE
PAGE 226

ACCESSORIES
PAGE 222

For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring

**FOR TYPE 11 CUP WHEELS
AND WIRE BRUSHES
6" (152 mm) diameter
NOT INCLUDED**

- Each model accepts optional Type 11 Cup Wheels, 6" (152 mm) diameter. Covers more area in less time!
- **Governor-controlled air motor** maintains tool RPM under heavy load.
- **Overspeed shut-off feature** ensures maximum operator safety.
- Motor is gearless with less wearable parts, ensuring reduced maintenance and less downtime.
- Insulated tool handle minimizes cold air transmission to the hand. Handle position is adjustable for operator comfort.
- All models include safety-lock throttle lever.
- For peak performance, use of optional 95870 Air Hose (1/2" diameter) is recommended (see page 226).



Model 53233



Model 53233

Model 53233 shown powering 6" dia. Type 11 Cup Wheel. Tool also accepts Wire Brushes.

*Cup Wheel
Not Included*



Model 53233
2 hp (1,491 W),
6,000 RPM

Model 53243
3 hp (2,237 W),
6,000 RPM

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Always wear eye, face & body protection.

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)
53233	2 (1,491)	6,000	83 dB(A)	80 (2,265)	1/2 (13)	1/2" NPT	5/8"-11 Male	10.5 (4.7)	9.5 (241)	7 (178)
53243	3 (2,237)	6,000	82 dB(A)	89 (2,520)	1/2 (13)	1/2" NPT	5/8"-11 Male	11.1 (5)	9.5 (241)	7.5 (190)

Tune-Up Kit: 53233 – No. 96552; 53243 – No. 96553 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Safety Procedures for Grinding Wheels

Operator Should Comply with OSHA and ANSI B7.1 Safety Regulations

- **DO** check all wheels for cracks or other damage before mounting.
- **DO** check machine speed against the established maximum safe operating speed marked on wheel.
- **DO** use mounting blotters when supplied with wheels.
- **DO** be sure wheel hole, threaded or unthreaded, fits machine arbor properly and that flanges are clean, flat and of the proper type for the wheel you are mounting.
- **DO** always run wheel in a protected area at least one minute before grinding.
- **DO** use wheel guard furnished with machine.
- **DO** always wear protective safety glasses and additional eye and face protection if required.
- **DO** employ dust controls and/or protective measures appropriate to the material being ground.
- **DO NOT** use wheels which have been dropped or otherwise damaged.
- **DO NOT** use a grinding wheel that has rated speed less than the speed of the grinder
- **DO NOT** use excessive pressure when mounting wheel between flanges. Tighten nut only enough to hold wheel firmly.
- **DO NOT** use heavy side grinding pressure on any Type 1 straight wheel or thin Type 27 wheel.
- **DO NOT** handle machine carelessly. Stop wheel on work and use racks or hooks to support machine when not in use.
- **DO NOT** use relieved or recessed flanges with threaded hole cup wheels, cones or plugs.
- **DO NOT** mount more than one wheel on a single arbor.

Permission for reprint of form 4968T granted by UAMA

Cone or Plug Wheel Grinders

Air-Powered Grinders



COLLET INSERTS
PAGE 51

CARBIDE BURRS
PAGE 251

*Clean Metal, Grind and Smooth Weld Seams,
Remove Imperfections Prior to Painting*

FOR CONE OR PLUG WHEELS
1-1/2" (38 mm) diameter
NOT INCLUDED

Straight Line, 1 hp, Rear Exhaust

- Each model accepts optional Abrasive Cone or Plug Wheel, maximum 1-1/2" diameter, with 3/8"-24 threaded insert.
- Governor-controlled motor maintains RPM under heavy load.
- Safety-lock lever is included on all models.
- Industrial applications in fabrication plants, welding shops, foundries, steel mills and shipyards.

Model 52715 12,000 RPM

Model 52716 15,000 RPM

Model 52717 18,000 RPM

Model 52718 20,000 RPM



Model 52715
Plug Wheel
Not Included

Straight Line, 1 hp, Rear Exhaust, 6" Extension

- Each model accepts optional Abrasive Cone or Plug Wheel, maximum 1-1/2" diameter, with 3/8"-24 threaded insert.
- Governor-controlled motor maintains RPM under heavy load.
- Safety-lock lever is included on all models.
- Standard cushioned grip enhances operator comfort and offers additional control.
- Industrial applications in fabrication plants, welding shops, foundries, steel mills and shipyards.

Model 52719 12,000 RPM

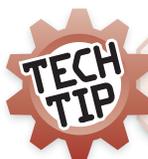
Model 52720 15,000 RPM

Model 52721 18,000 RPM

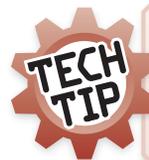
Model 52722 20,000 RPM



Model 52719
Plug Wheel
Not Included



All models can be converted to 5/8"-11 thread with 53652 cone or plug adapter.



Optional 53621 Overhose Assembly may be used to further reduce noise levels by as much as 5 dB(A). Overhose redirects exhaust away from operator and workpiece. Air line sold separately. (See page 247.)



IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52715	1.0 (744)	12,000	81 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	3/8"-24 Male	2.0 (198)	7-3/4 (198)	1-7/8 (48)
52716	1.0 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3/8"-24 Male	2.0 (198)	8-7/8 (225)	1-7/8 (48)
52717	1.0 (744)	18,000	78 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	3/8"-24 Male	2.0 (198)	8-7/8 (225)	1-7/8 (48)
52718	1.0 (744)	20,000	78 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	3/8"-24 Male	2.0 (198)	8-7/8 (225)	1-7/8 (48)
52719	1.0 (744)	12,000	81 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.3 (1.5)	13-1/4 (335)	1-7/8 (48)
52720	1.0 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.3 (1.5)	14-3/8 (365)	1-7/8 (48)
52721	1.0 (744)	18,000	78 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.3 (1.5)	14-3/8 (365)	1-7/8 (48)
52722	1.0 (744)	20,000	78 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.3 (1.5)	14-3/8 (365)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

GRINDERS

Extension Cone or Plug Wheel Grinders

Straight-Line, Rear Exhaust Models



COLLET INSERTS
PAGE 51

CARBIDE BURRS
PAGE 251

Allows Efficient Work Within Long Pipes, Castings and More

FOR CONE OR PLUG WHEELS
1-1/2" (38 mm) diameter
NOT INCLUDED

- Each model accepts optional Abrasive Cone or Plug Wheel, maximum 1-1/2" diameter, with 3/8"-24 threaded insert.
- Extension Grinders allow operator to extend into work pieces and reach lengthy distances.
- Extension length allows longer reach than competitive models!
- Extensions are constructed of steel for maximum durability.
- Designed for minimal vibration. Extensions do not spin during tool use, so continuous tightening is not needed (as with some one-piece shaft-type extensions).
- Tools can also be fitted with optional collets and inserts.

Composite Housing Models 18,000 RPM

Model 53531 18-3/8" Length

Model 53532 26-3/4" Length

Model 53533 35-1/8" Length

Composite Housing Models 3,400 RPM

- Slower speed is ideal for buffing and polishing. Tools can be fitted with optional buffing pads.

Model 53521 19-3/4" Length

Model 53522 28-1/8" Length

Model 53523 36-1/2" Length

Steel Housing Model

Model 53783 20,000 RPM

12-3/4" Length

- Steel housing offers increased durability.
- Rubber Grip Housing reduces vibration and cold air transmission.
- Ideal for use in foundries, welding operations and shipyards.



All models have
1-3/8" outside diameter.

Plug Wheels Not Included



Extend into hard-to-reach places by choosing the suitable extension for the job.

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)
53521	1.0 (744)	3,400	79 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	1/2"-20 Male	5.5 (2.5)	19-3/4 (502)	1-7/8 (48)
53522	1.0 (744)	3,400	79 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	1/2"-20 Male	7.6 (3.5)	28-1/8 (714)	1-7/8 (48)
53523	1.0 (744)	3,400	79 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	1/2"-20 Male	9.75 (4.4)	36-1/2 (927)	1-7/8 (48)
53531	1.0 (744)	18,000	75 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.8 (2.2)	18-3/8 (467)	1-7/8 (48)
53532	1.0 (744)	18,000	75 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	3/8"-24 Male	6.9 (3.1)	26-3/4 (679)	1-7/8 (48)
53533	1.0 (744)	18,000	75 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	3/8"-24 Male	8.9 (4.0)	35-1/8 (892)	1-7/8 (48)
53783	0.7 (522)	20,000	80 dB(A)	39 (1,104)	1/4 (6)	1/4" NPT	3/8"-24 Male	3.9 (1.7)	12.7 (322)	1.7 (45)

Tune-Up Kit: No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Cut-Off Wheel Tools

Air-Powered Cutting Tools, 3" Diameter



DYNASWIVEL®
PAGE 223

COUPLER/PLUG
PAGE 228

For Efficient Cutting of Sheet Metal, Frame Rails, Clamps, Bolts, etc.

FOR REINFORCED
CUT-OFF WHEELS
3" (76 mm) diameter
SEE PAGES 281, 293

3" Diameter, Straight Line, .5 hp, 20,000 RPM

- Each model accepts optional 3" diameter reinforced Type 41 Cut-Off Wheels with 3/8" center hole.
- Gearless motor design for reduced maintenance and downtime.
- Safety-lock lever is included.

Model 52434 Front Exhaust

Model 52435 Rear Exhaust



Model
52435

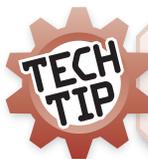
Wheel Sold
Separately



3" Diameter, 7° Offset, .5 hp, 20,000 RPM

Model 52420 Front Exhaust

- Accepts optional 3" diameter reinforced Type 41 Cut-Off Wheels with 3/8" center hole.
- Gearless motor design for reduced maintenance and downtime.
- Safety-lock lever is included.



Always use required wheel guard. Never remove a guard that is specified for a tool.



Model
52420

Wheel Sold
Separately



3" Diameter, Straight Line, 1 hp, 6" Extension

- Each model accepts optional 3" diameter reinforced Type 41 Cut-Off Wheels with 3/8" center hole.
- Gearless motor design for reduced maintenance and downtime.
- Governor-controlled motor maintains RPM under heavy load.
- Safety-lock lever is included; rear exhaust.

Model 52576 15,000 RPM

Model 52577 18,000 RPM

Model 52578 20,000 RPM



Model
52576

Wheel Sold
Separately



3" Diameter, Right Angle, .4 hp, Diamond Cut-Off Wheel

Model 52439 12,000 RPM

- Accepts optional 3" diameter Diamond Cut-Off Wheels with 3/8" center hole (see page 293).
- Ideal for cutting thick fiberglass over-wrap and fiber spray.
- "Dual wick" lubrication system saturates gears with oil for increased performance, extended life and reduced downtime. Tool includes 95848 Gear Oil and 95541 Gear Oil Gun.
- Safety-lock lever is included; rear exhaust.

Model
52439



Wheel Sold
Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52420	0.5 (373)	20,000	82 dB(A)	28 (793)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.2 (1.0)	6 (152)	5-1/2 (140)
52434	0.5 (373)	20,000	81 dB(A)	27 (765)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.0 (0.9)	6-3/8 (162)	3-1/8 (79)
52435	0.5 (373)	20,000	77 dB(A)	27 (765)	3/8 (10)	1/4" NPT	3/8"-24 Male	2.3 (1.0)	8-1/2 (126)	3-1/8 (79)
52439	0.4 (306)	12,000	83 dB(A)	21 (595)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.6 (0.7)	8-1/2 (126)	3-1/8 (79)
52576	1 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.0 (1.8)	14-7/8 (379)	3-1/8 (79)
52577	1 (744)	18,000	78 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.0 (1.8)	14-7/8 (379)	3-1/8 (79)
52578	1 (744)	20,000	78 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.0 (1.8)	14-7/8 (379)	3-1/8 (79)

Tune-Up Kit: 52434 – No. 98623; 52435 – No. 95600; 52420 – No. 96044; 52576 – No. 96039; 52577, 52578 – No. 96532; 52439 – No. 96179 (page 267)

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

GRINDERS

Cut-Off Wheel Tools

Air-Powered Cutting Tools, 3" and 4" Diameter



DYNASWIVEL®
PAGE 223

COUPLER/PLUG
PAGE 228

For Efficient Cutting of Sheet Metal, Frame Rails, Clamps, Bolts, etc.

FOR TYPE 41 REINFORCED
CUT-OFF WHEELS
3" and 4" Dia. (76 mm and 102 mm)
SEE PAGE 281

- Models accepts optional 3" or 4" diameter Type 41 reinforced Cut-Off Wheels, with 3/8" center hole.
- "Dual-wick" lubrication system saturates gears with oil for increased performance, extended life and reduced downtime.
- Adjustable wheel guard provides maximum operator protection.
- Safety-lock lever is included.



Model 54730

Wheel Sold Separately

Composite Housing Models

Right Angle, .7 hp, Rear Exhaust

- Models include aluminum right angle housing.

Model 54730 3" Dia., 18,000 RPM

Model 54734 4" Dia., 13,500 RPM

- Each model includes side handle for left or right-hand use.



Extended Model 54736

Wheel Sold Separately

Model 54732 3" Dia., Extended, 18,000 RPM

Model 54736 4" Dia., Extended, 13,500 RPM

- Extension design allows longer reach on work piece, and two-hand control for added comfort.

GRINDERS

Steel Housing Models

Right Angle, .7 hp, Rear Exhaust

- Steel housings offer increased durability!
- Models include steel right angle housing.

Model 54740 3" Dia., 18,000 RPM

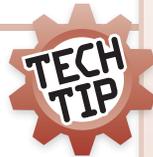
Model 54744 4" Dia., 13,500 RPM

- Each model includes side handle for left or right-hand use.

Model 54742 3" Dia., Extended, 18,000 RPM

Model 54746 4" Dia., Extended, 13,500 RPM

- Extension design allows longer reach on work piece, and two-hand control for added comfort.



All models on page include 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life.



Model 54744

Wheel Sold Separately



Extended Model 54742

Wheel Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
54730	0.7 (522)	18,000	83 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	3/8"-24 Male	3 (1.3)	8 (202)	3-1/8 (79)
54732	0.7 (522)	18,000	82 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.5 (1.6)	11-3/8 (288)	3-1/8 (79)
54734	0.7 (522)	13,500	83 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.2 (1.4)	8 (202)	3-1/16 (78)
54736	0.7 (522)	13,500	83 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.7 (1.7)	11-3/8 (288)	3-1/16 (78)
54740	0.7 (522)	18,000	82 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.8 (1.7)	8-1/16 (204)	3-1/8 (79)
54742	0.7 (522)	18,000	79 dB(A)	41 (1,161)	3/8 (10)	1/4" NPT	3/8"-24 Male	4.2 (1.9)	11-7/16 (290)	3-1/8 (79)
54744	0.7 (522)	13,500	81 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	4 (1.8)	8-1/16 (204)	3-1/16 (78)
54746	0.7 (522)	13,500	81 dB(A)	40 (1,133)	3/8 (10)	1/4" NPT	3/8"-24 Male	4.4 (2)	11-7/16 (290)	3-1/16 (78)

Tune-Up Kit: Composite – No. 96680; Steel – No. 98623 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Cut-Off Wheel Tools

Air-Powered Cutting Tools, 4" Diameter



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For Efficient Cutting of Sheet Metal, Frame Rails, Clamps, Bolts, etc.

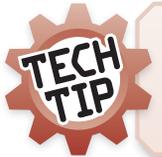
FOR TYPE 41 REINFORCED CUT-OFF WHEELS
4" (102 mm) diameter
SEE PAGE 281

4" Diameter, 7° Offset, .7 hp, Front Exhaust

- Each model accepts optional 4" diameter reinforced Type 41 Cut-Off Wheels with 3/8" center hole. (Wheel width of 1/32" - 1/8".)
- Gearless motor design for reduced maintenance and downtime.
- Tool handle is offset 7° for greater operator comfort.
- Safety-lock lever is included; rear exhaust.

Model 52430
15,000 RPM

Model 52431
20,000 RPM



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.)



Wheel Sold Separately

4" Diameter, Straight Line, 1 hp, Rear Exhaust

- Each model accepts optional 4" diameter reinforced Type 41 Cut-Off Wheels with 3/8" center hole. (Wheel width of 1/32" - 1/8".)
- Governor controlled motor to maintain RPM under heavy load.
- Safety-lock lever is included.

Model 52573
15,000 RPM

Model 52574
18,000 RPM



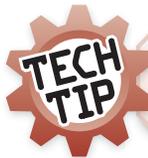
Wheel Sold Separately

4" Diameter, Straight Line, 1 hp, 6" Extension

- Each model accepts optional 4" diameter reinforced Type 41 Cut-Off Wheels with 3/8" center hole. (Wheel width of 1/32" - 1/8".)
- Governor controlled motor to maintain RPM under heavy load.
- Safety-lock lever is included; rear exhaust.

Model 52579
15,000 RPM

Model 52580
18,000 RPM



Always use required wheel guard. Never remove a guard that is specified for a tool.



Wheel Sold Separately

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52430	0.7 (522)	15,000	89 dB(A)	32 (906)	1/4 (6)	1/4" NPT	3/8"-24 Male	2.7 (1.2)	7-3/8 (187)	4-3/4 (121)
52431	0.7 (522)	20,000	88 dB(A)	36 (1,020)	1/4 (6)	1/4" NPT	3/8"-24 Male	2.7 (1.2)	7-3/8 (187)	4-3/4 (121)
52573	1 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3/8"-24 Male	2.5 (1.1)	9-3/8 (238)	4-1/2 (113)
52574	1 (744)	18,000	78 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	3/8"-24 Male	2.5 (1.1)	9-3/8 (238)	4-1/2 (113)
52579	1 (744)	15,000	77 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.1 (1.8)	14-7/8 (379)	4-1/2 (113)
52580	1 (744)	18,000	78 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	3/8"-24 Male	4.1 (1.8)	14-7/8 (379)	4-1/2 (113)

Tune-Up Kit: .7 hp models – No. 96045; 1 hp models – No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

GRINDERS

Vacuum Cut-Off Wheel Tools

Air-Powered Cutting Tools, 3" Diameter



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*For Efficient Cutting with Capture of Dust and Debris.
Ideal for use on Fiberglass and Composites.*

FOR DIAMOND
CUT-OFF WHEELS
3" (76 mm) Diameter
SEE PAGE 293

3" Diameter, Right Angle, .4 hp, 12,000 RPM

Model 52538 *Rear Exhaust*

- Ideal for use with optional 3" diameter Diamond Cut-Off Wheels with 3/8" center hole.
- Adjustable wheel guard has vacuum port (1" outside diameter) that diverts airborne dust and debris to optional vacuum source.
- Non-marring composite base is removable to utilize maximum blade depth of 11/16". Optional 52646 composite base is available for gel coat notching.
- "Dual wick" lubrication system saturates gears with oil for increased performance, extended life and reduced downtime. Tool includes 95848 Gear Oil and 95541 Gear Oil Gun.
- Safety-lock lever is included.



Model 52538

Wheel Sold Separately

3" Diameter, Extended Straight-Line, 1 hp, 18,000 RPM

Model 52537 *Rear Exhaust*

- For use with optional 3" diameter Diamond Cut-Off Wheels with 3/8" center hole.
- Vacuum shroud diverts airborne dust and debris, through 1" outside diameter port to optional external vacuum source.
- Vacuum shroud cover may also be used as a trim guide, for cutting as close as 5/32" (4 mm).
- Extension design is ideal for two-hand use, offering enhanced comfort and control.
- Blade guide allows exposure of 9/16" (14 mm) depth of Cut-Off Wheel.
- Cut-Off Wheel is changed quickly and easily, without removal of shroud cover plate.
- Safety-lock throttle lever is included.



Model 52537

GRINDERS

The ONLY Extension Vacuum Cut-Off Wheel Tool on the Market!



Model 52537



Vacuum shroud cover may be used as a trim guide, for cutting as close as 5/32" (4 mm).

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount saw blades or non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52538	0.4 (298)	12,000	83 dB(A)	21 (595)	3/8 (10)	1/4" NPT	3/8"-24 Male	2 (.97)	8-5/8 (219)	4-3/8 (111)
52537	1.0 (746)	18,000	79 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	3/8"-24 Male	3.75 (1.7)	14-5/8 (371)	4-1/2 (114)

Tune-Up Kit: 52538 – No. 96179; 52537 – No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Vacuum Cut-Off Wheel Tool

Air-Powered Cutting Tool, 3" Diameter



DYNAJET
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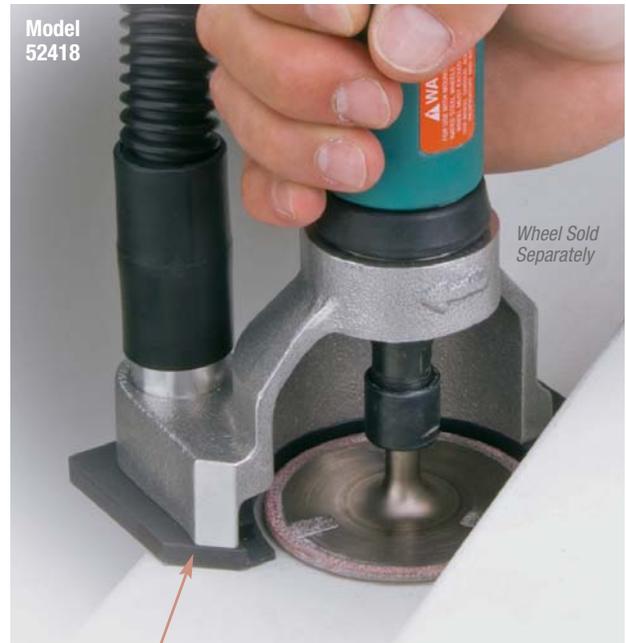
*Unique Shroud and Flange Design Adds Versatility!
Ideal for use on Fiberglass and Composites.*

**FOR DIAMOND
CUT-OFF WHEELS**
3" (76 mm) Diameter
SEE PAGE 293

3" Diameter, Straight-Line, .7 hp, 20,000 RPM

Model 52418 Rear Exhaust

- Accepts optional 3" (76 mm) diameter Diamond Cut-Off Wheels with 3/8" diameter mandrel.
- Unique cutaway shroud design allows 1" (25 mm) wheel depth exposure.
- Vacuum shroud diverts dust and debris through 1" outside diameter port, to optional vacuum source.
- Non-marring plastic flange protects work surface while cutting.
- Adjustable cutting height, from flush to 5/8" (16 mm) above work surface, is achieved by inserting wheel mandrel deeper into collet.
- Operating tool in horizontal position allows flush-cut trimming of edges.
- An essential tool for boat builders, pool, spa and shower manufacturers, and composite industries.
- Safety-lock lever is included.



Model 52418

Wheel Sold Separately

Place this edge against workpiece for consistent cut!

Includes 94300 Composite Dynaswivel® Air Line Connector

Extended rear exhaust muffler for reduced sound levels

Safety-lock lever is included

1" Dia. Vacuum Port

3/8" Collet Size

Ideal for both vertical and horizontal operation

Unique cutaway shroud allows 1" (25 mm) wheel depth exposure

Non-marring plastic flange protects work surface



Model 52418

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount saw blades or non-reinforced grinding wheels. Always wear eye, face & body protection.

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (L/Min)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Collet Size	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52418	0.7 (522)	20,000	79 dB(A)	37 (1,048)	3/8 (10)	1/4" NPT	3/8"	3 (1.3)	10-15/16 (265)	5-1/4 (133)

Tune-Up Kit: No. 96529 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Vacuum Cut-Off Wheel Tools

Air-Powered Cutting Tools, 4-1/2"-5" Diameter



DYNAJET
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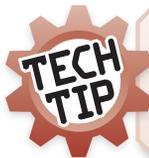
*For Efficient Cutting with Capture of Dust and Debris.
Ideal for use on Fiberglass and Composites.*

FOR DIAMOND
CUT-OFF WHEELS
4-1/2"-5" Dia. (114 mm-127 mm)
SEE PAGE 293

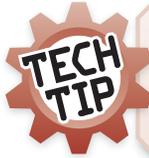
4-1/2" Diameter, 7° Offset, .7 hp, 20,000 RPM

Model 52436 Rear Exhaust

- For use with optional 94912 Diamond Cut-Off Wheel, 4-1/2" (114 mm) diameter with 3/8" center hole, slotted for cooler running and longer life.
- Adjustable wheel guard has vacuum port, 1" (25 mm) outside diameter, that diverts airborne dust and debris to optional vacuum source.
- Blade depth exposure of 1-3/16" (30 mm).
- Tool includes cushioned, soft-grip side handle.
- Handle is offset 7° for greater operator comfort and control.
- Safety-lock lever is included.



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.)



The use of a Filter-Regulator-Lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 224.)



GRINDERS

5" Diameter, Right Angle, 1 hp, 12,000 RPM

Model 52438 Rear Exhaust

- For use with optional 5" (127 mm) diameter Diamond Cut-Off Wheel with 3/4" center hole.
- Adjustable wheel guard has vacuum port, 1-1/4" (32 mm) outside diameter, that diverts airborne dust and debris to optional vacuum source.
- Powerful, high-quality air motor is effective for cutting through thick fiberglass over-wrap and fiber spray.
- Blade guide allows controlled cutting depth. Operator may expose up to 1-1/8" (28 mm) depth of Cut-Off Wheel if required.
- Safety-lock lever is included.



IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount saw blades or non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52436	0.7 (522)	20,000	90 dB(A)	32 (906)	3/8 (10)	1/4" NPT	3/8"-24 Male	3.1 (1.4)	10-5/8 (270)	5-1/4 (133)
52438	1.0 (746)	12,000	80 dB(A)	40 (1,138)	3/8 (10)	3/8" NPT	3/8"-24 Male	6.7 (3.0)	14-5/8 (371)	4-1/2 (114)

Tune-Up Kit: 52436 – No. 96045; 52438 – No. 96532 (page 267) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Vacuum Cut-Off Wheel Tool

Air-Powered Cutting Tool, 5" Diameter



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For Efficient Cutting with Capture of Dust and Debris.
Ideal for use on Fiberglass and Composites.

FOR DIAMOND
CUT-OFF WHEELS
5" (127 mm) Diameter
SEE PAGE 293

5" Diameter, 1.3 hp, 12,000 RPM

Model 52615

- Ideal for use with optional 5" diameter Diamond Cut-Off Wheels with 3/4" diameter center hole (see page 293).
- Adjustable wheel guard has vacuum port (1-1/4" outside diameter) that diverts airborne dust and debris to optional vacuum source.
- Non-marring composite base is removable to utilize maximum blade depth of 1-3/16" (30 mm). Optional 53544 composite base is available for scoring.
- "Wick Lube" System extends gear life with simple lubrication. Tool includes 95848 Gear Oil and 95541 Gear Oil Gun.
- Exhaust system rotates 360° to ensure exhaust is always directed away from operator.
- Safety-lock lever is included.



Model 52615

Includes
95848 Gear Oil
and 95541
Gear Oil Gun

Wheel Sold Separately

Optional Scoring Assembly



Part No. 53545

- Skid allows 1/8" deep score. Includes three screws for attaching.

IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount saw blades or non-reinforced grinding wheels. Always wear eye, face & body protection.

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)
52615	1.3 (969)	12,000	84 db(A)	42 (1,189)	3/8 (10)	3/8" NPT	3/8"-24	7.3 (3.3)	15.2 (385)	8.4 (213)

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

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Dynabrade Systems & Solutions



For Grinders and Cut-Off Wheel Tools – Suggested Tool/Accessory Combinations

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Depressed Center Wheel Grinder Model 52632 <i>Right Angle, 12,000 RPM, 1.3 hp</i> Page 98 	4-1/2" Dia. Type 27 Reinforced Depressed Center Wheel  Page 281	Backup Flange 53697, 53630 Page 98 	Lightweight Air Line 10 mm I.D. Page 225 
Depressed Center Wheel Grinder Model 53245 <i>Vertical, 8,500 RPM, 3 hp</i> Page 102 	7" Dia. Type 27 Reinforced Depressed Center Wheel Not Included 	Side Handle 52169 Page 253 	Flexible Air Line 1/2" I.D. Page 226 
Cut-Off Wheel Tool Model 52439 <i>Right Angle, 12,000 RPM, .4 hp</i> Page 107 	3" Dia. Diamond Cut-Off Wheel Gulleted/Slotted Page 293 	Gear Oil & Gun 95848, 95541 Page 254 	Motor Tune-Up Kit 96047 Page 267 
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GRINDERS

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