BYNABRADE GRINDERS

Non-Vacuum Models

2", 3" Dia. Depressed	
Center Wheel Grinders	93
3" Dia. Depressed Center	
Wheel Grinders	94
3", 4" Dia. Depressed Center	
Wheel Grinders	95
4" Dia. Depressed Center	
Wheel Grinders	96
4" - 5" Dia. Depressed Center	
Wheel Grinders	97

4-1/2" Dia. Electric Depressed Center Wheel Grinder	99
5" Dia. Depressed Center Wheel Grinders1	00
7" Dia. Depressed Center	
Wheel Grinders1	01
3", 4" Dia. Type 1 Wheel Grinders1	03
6" Dia. Type 11 Cup Wheel Grinders1	04
Cone or Plug Wheel Grinders1	05
3" Dia. Cut-Off Wheel Tools1	07
3" - 4" Dia. Cut-Off Wheel Tools1	08
4" Dia. Cut-Off Wheel Tools1	09

Vacuum Models

3" Dia. Vacuum Cut-Off Wheel Tools11	0
4-1/2" - 5" Dia. Vacuum Cut-Off	
Wheel Tools11	2
5" Dia. Vacuum Cut-Off Wheel Tool 11	3
Systems & Solutions11	4









ACCESSORIES **PAGE 222**

GRINDERS



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

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 quard and wheel flange set.





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)

93





Wheel Sold

Separately

Wheel Sold

Separately

Wheel Sold Separately

Air-Powered Grinders, 3" Diameter

FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS For Fast Weld and Stock Removal, Rust and Scale Removal, Heavy Deburring 3" (76 mm) Diameter Models accepts optional 3" diameter Type 27 reinforced SEE PAGE 281 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. **Composite Housing Models** Model Right Angle, .7 hp, Rear Exhaust 54767 • 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 Model Extension design allows longer reach on work piece, 54769 and two-hand control for added comfort. Wheel Sold All models on page Separately include 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication Steel Housing Models extends gear life. .7 hp, Rear Exhaust Steel housings offer increased durability! Models include steel right angle housing. Model 54783 Model 54785 IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-reinforced grinding wheels. Always wear eye, face & body protection.

Maximum Air Flow Hose I.D. Size Motor **Air Inlet** Weight Lenath Height Model Motor Sound Tool **RPM** SCFM (L/Min) Thread Pound (kg) Number hp (W) Level Inch (mm) Thread Inch (mm) 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)



Right Angle,

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.



DYNASWIVEL® PAGE 223

COUPLER/PLUG PAGE 228

FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS

3", 4" Dia. (76 mm, 102 mm) SEE PAGE 281

Model

52700

Gearless

Wheel Sold Separately

GRINDERS

Air-Powered Grinders, 3" and 4" Diameter

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

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).

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.

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.





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

Use ONLY Type 27 Reinforced Depressed Center Wheels (sold

separately, unless noted) with

Depressed Center Wheel Grinders.

Model

52706

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)







Model

54771

FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS

> 4" (102 mm) Diameter SEE PAGE 281

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

- 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.

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.

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.

and use. Model includes 95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication

Wheel Sold Separately

Wheel Sold Separately

95848 Gear Oil and 95541 Gear Oil Gun. Simple lubrication extends gear life. Nodel 54791 Nodel 54791 Vheel Sold Separately

> Wheel Sold Separately

Model 54773

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)



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

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!

Rotational Exhaust System Safety-Lock Throttle Lever

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

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

Vibration Dampening Side Handle

Cast Aluminum Construction Tool housing and handle made of

solid cast aluminum.

Rotates a full 360° to ensure that

exhaust is directed away from operator.

Model 52632

"Wick Lube" System for **Longer Gear Life**

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



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



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



Type 27 Wheel

Sold Separately

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.





COUPLER/PLUG PAGE 228

ACCESSORIES **PAGE 222**

FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS

4"-5" Dia. (102 mm-127 mm)

SEE PAGE 281





DYNASWIVEL® PAGE 223 COUPLER/PLUG PAGE 228

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").
- Nibration Dampening Side Handle included! (All models on page)

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



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



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

SIDE HANDLE PAGE 253 FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS

4-1/2" (114 mm) Diameter

ABRASIVE FLAP DISCS PAGE 280

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

- ► 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.

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.







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

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.



COUPLER/PLUG

PAGE 228 ACCESSORIES

PAGE 222

FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS

5" Dia. (127 mm) SEE PAGE 281

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.



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 Numbe	Motor r 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)





FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS

> 7" (178 mm) Diameter NOT INCLUDED

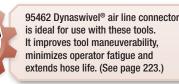
Air-Powered Grinders, 7" Diameter

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

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

Model

50348



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.



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



Wheel Not Included

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)





FOR TYPE 27 REINFORCED DEPRESSED CTR. WHEELS

> 7" (178 mm) Diameter NOT INCLUDED

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

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

· Governor-controlled air motor maintains tool RPM under heavy load.

Model

53232

- 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*



• 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

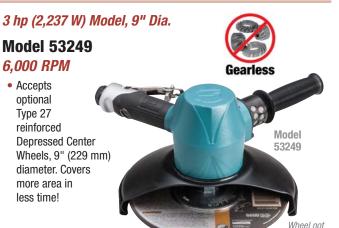
Model 53244 7,200 RPM

Model 53245 *8,500 RPM*









included

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

Wheel not included

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)





www.printecsolution.com

Type 1 Wheel Grinders

Air-Powered Grinders, 3" and 4" Diameter

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

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

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





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

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)

103



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

COUPLER/PLUG PAGE 228 ACCESSORIES

PAGE 222





Type 11 Cup Wheel Grinders Air-Powered Vertical Grinders, 6" Diameter



Model 53233

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

- 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 2 hp (1,491 W), 6,000 RPM

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





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



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

Cup Wheel Not Included

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)

01

Safety Procedures for Grinding Wheels Operator Should Comply with OSHA and ANSI B7.1 Safety Regulations

- D0 check all wheels for cracks or other damage before mounting.
- **D0** check machine speed against the established maximum safe operating speed marked on wheel.
- DO use mounting blotters when supplied with wheels.
- **D0** 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.
- **D0** always run wheel in a protected area at least one minute before grinding.
- **DO** use wheel guard furnished with machine.
- **D0** always wear protective safety glasses and additional eye and face protection if required.
- **D0** 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

104



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

Cone or Plug Wheel Grinders

Air-Powered Grinders

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

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

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 5271912,000 RPMModel 5272015,000 RPMModel 5272118,000 RPMModel 5272220,000 RPM



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)

105







Model

52719





FOR CONE OR PLUG WHEELS

1-1/2" (38 mm) diameter NOT INCLUDED

Extension Cone or Plug Wheel Grinders

Straight-Line, Rear Exhaust Models



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.



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)



COLLET INSERTS PAGE 51 CARBIDE BURRS

PAGE 251

Cut-Off Wheel Tools

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

Air-Powered Cutting Tools, 3" Diameter

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

Cut-Off Wheels with 3/8" center hole.

• Each model accepts optional 3" diameter reinforced Type 41

· Gearless motor design for reduced maintenance and downtime.



Model

52435





GRINDERS

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.

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)







Gearless

DYNASWIVEL® PAGE 223 COUPLER/PLUG

PAGE 228

FOR REINFORCED CUT-OFF WHEELS

3" (76 mm) diameter SEE PAGES 281, 293

· Safety-lock lever is included.

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.
- Safety-lock lever is included; rear exhaust.

Model 52576 15,000 RPM Model 52577 18,000 RPM Model 52578 20,000 RPM





Senarately

Wheel Sold



Cut-Off Wheel Tools

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



-		
For Efficient Cutting of Sheet Metal, Frame Rails, Clamps,	Bolts, etc. 3" and 4" Dia. (76 mm and 1)	
Models accepts optional 3" or 4" diameter Type 41 reinforced Cut-Off Wheels, with 3/8" center hole.	SEE PAGE 281	,
"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.		
Composite Housing Models		
Right Angle, .7 hp, Rear Exhaust	Model 54730	
Models include aluminum right angle housing.	When the second s	heel Sold eparately
Model 54730 3" Dia., 18,000 RPM	── 3-3/8" <u>→</u>	
Model 54734 4" Dia., 13,500 RPM		
• Each model includes side handle for left or right-hand use.		
	Extended	
Model 54736 4" Dia., Extended, 13,500 RPM	lodel 54736 Wheel Sold Separately	
Extension design allows longer reach on work piece, and two-hand control for added comfort.		
All models on page include 95848 Gear Oil		
Steel Housing Models and 95541 Gear Oil Gun.	Contraction of the second seco	
Right Angle, extends gear life.		
.7 hp, Rear Exhaust		
Steel housings offer increased durability!	Model	
Models include steel right angle housing.	54744	
Model 54740 3" Dia., 18,000 RPM		
Model 54744 4" Dia., 13,500 RPM	3-3/8"	heel Sold
Each model includes side handle for		eparately
left or right-hand use.		
Model 54742 3" Dia., Extended, 18,000 RPM	Extended	
Model 54746 4" Dia., Extended, 13,500 RPM	Model 54742	
Extension design allows longer reach on work	Wheel Sold	
piece, and two-hand control for added comfort.	Separately	
IMPORTANT: Speed of tool must not exceed maximum operating speed of accessory. Never mount non-r	reinforced grinding wheels. Always wear eye, face & body prote	ection.
Madel Mater Device Merimum Air Flow Hose ID Size Air Jule		

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

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

4" Diameter, 7º 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.)



- 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 Model 52574 15,000 RPM 18,000 RPM

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





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



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 52430

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)



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

SEE PAGE 281

DYNASWIVEL® PAGE 223



1059



Wheel Sold Separately

Vacuum Cut-Off Wheel Tools

Air-Powered Cutting Tools, 3" Diameter

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

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.

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.





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)







PAGE 223 COUPLER/PLUG PAGE 228

FOR DIAMOND CUT-OFF WHEELS

3" (76 mm) Diameter

SEE PAGE 293

DYNASWIVEL®

Vacuum Cut-Off Wheel Tool



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

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.



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	Motor	Motor	Sound	Maximum Air Flow	Hose I.D. Size	Air Inlet	Collet	Weight	Length	Height
Number	hp (W)	RPM	Level	SCFM (L/Min)	Inch (mm)	Thread	Size	Pound (kg)	Inch (mm)	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)	

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







Wheel Sold

Separately

Vacuum Cut-Off Wheel Tools



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

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

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.)



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**



DYNASWIVEL® PAGE 223

COUPLER/PLUG PAGE 228

FOR DIAMOND CUT-OFF WHEELS

5" (127 mm) Diameter

SEE PAGE 293

Model

52615

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

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.

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

- Exhaust system rotates 360° to ensure exhaust is always directed away from operator.
- · Safety-lock lever is included.

Optional Scoring Assembly

Part No. 53545



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.

Includes

and 95541 Gear Oil Gun

95848 Gear Oil

SSO4E Gear De

Model	Motor	Motor	Sound	Maximum Air Flow	Hose I.D. Size	Air Inlet	Spindle	Weight	Length	Height
Number	hp (W)	RPM	Level	SCFM (L/Min)	Inch (mm)	Thread	Thread	Pound (kg)	Inch (mm)	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)	

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Guide to Dynabrade Vacuum Tools

Abrasive Belt Tool Vacuum Dynafile® II	Grinders 3" Dia. Vacuum Cut-Off Wheel Tools	Gear-Driven & Finishing Sander DynaLocke [®]	
Die Grinders Central Vacuum Pencil Grinder	Drills & Specialty Tools .4 hp Vacuum Drills .7 hp Vacuum Drills Vacuum Router .144	Dynabug [®] "Model T" Sander Dynabug [®] Sander Dynabug [®] II Sander Dynaline Sander Source Capture	
.7 hp Vacuum Die Grinders	Random Orbital SanciersImage: Constraint of the second se	Systems	
Sanders2" Dia. Vacuum Disc Sanders3" Dia. Vacuum Disc Sanders5" Dia. Vacuum Disc Sanders7" Dia. Vacuum Disc Sander90	Dynorbital-Spirit [®]	<u>Dynabrade.c</u>	

113



Wheel Sold

.....168175178







Dynabrade Systems & Solutions

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



TOOL	ABRASIVE	ACCESSORIES		
Depressed Center Wheel Grinder Model 52632 Right Angle, 1.3 hp Page 98	4-1/2" Dia. Type 27 Reinforced Depressed Center Wheel Page 281	Backup Flange 53697, 53630 Page 98Lightweight Air Line 10 mm l.D. Page 225Image 225		
Depressed Center Wheel Grinder Model 53245 Vertical, 8,500 RPM, 3 hp Page 102	7" Dia. Type 27 Reinforced Depressed Center Wheel Not Included	Side Handle 52169 Page 253Flexible Air Line 1/2" I.D. Page 226Image 226 Image 226		
Cut-Off Wheel Tool Model 52439 Right Angle, 12,000 RPM, .4 hp Page 107	3" Dia. Diamond Cut-Off Wheel Gulleted/ Slotted Page 293	Gear Oil & Gun Motor Tune-Up Kit 95848, 95541 96047 Page 254 Page 267		
Cut-Off Wheel Tool Model 52573 Straight-Line, 15,000 RPM, 1 hp Page 109	4" Dia. Reinforced Cut-Off Wheel Page 281	3/8" Dynaswivel® Overhose Assembly 95461 53621 Page 223 Image 247		
Cone/Plug Wheel Grinder Model 52721 Straight-Line, 18,000 RPM, 1 hp Page 105	Abrasive Plug Wheel Not included	Motor Tune-Up Kit 96532 Page 267		

ESSENTIAL ACCESSORIES Dynūba 100 **Metal Capture Dynaswivel**® **Filter-Regulator-**Air Lube 60005 94300 **Downdraft Station** (10W/NR) Lubricator Page 254 Page 223 64350 Page 208 95842 Page 254 10681 Page 224 . **Coupler/Plug Assemblies** WNAERADE Dynūba 26 **Air Hose Assemblies** 95676, 97572 60020 Page 228 94863, 94852, 94892 Page 254 Page 225 ynüba 2

114



GRINDERS