

Dynabrade Die Grinders

The Choice Is Yours! Discover The Dynabrade Difference!

Dynabrade Die Grinders Offered in a Variety of Configurations

Gearred and Gearless Tool Offerings

- Gearred 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.



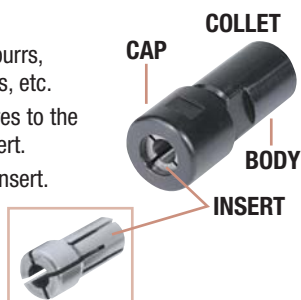
- Abbreviated length of **standard muffler** is ideal for smaller hands.



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 [‡]	
(200 series*)	3/8"	50018	3-Piece		01374	50065	01375	50013	50014 [‡]			50016	50039
5/16"-24 Male (300 series**) (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 [‡]	
1/2"-20 Male (200 series*)	1/4"	50066	3-Piece			50065	01375	50013 [‡]	50014			50016	50039
	6 mm	50073	3-Piece			50065	01375	50013	50014			50016 [‡]	50039
1/4"-28 Male*	1/4"	50055	2-Piece			50034							
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!

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!

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



See all models on pages 53-54!

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

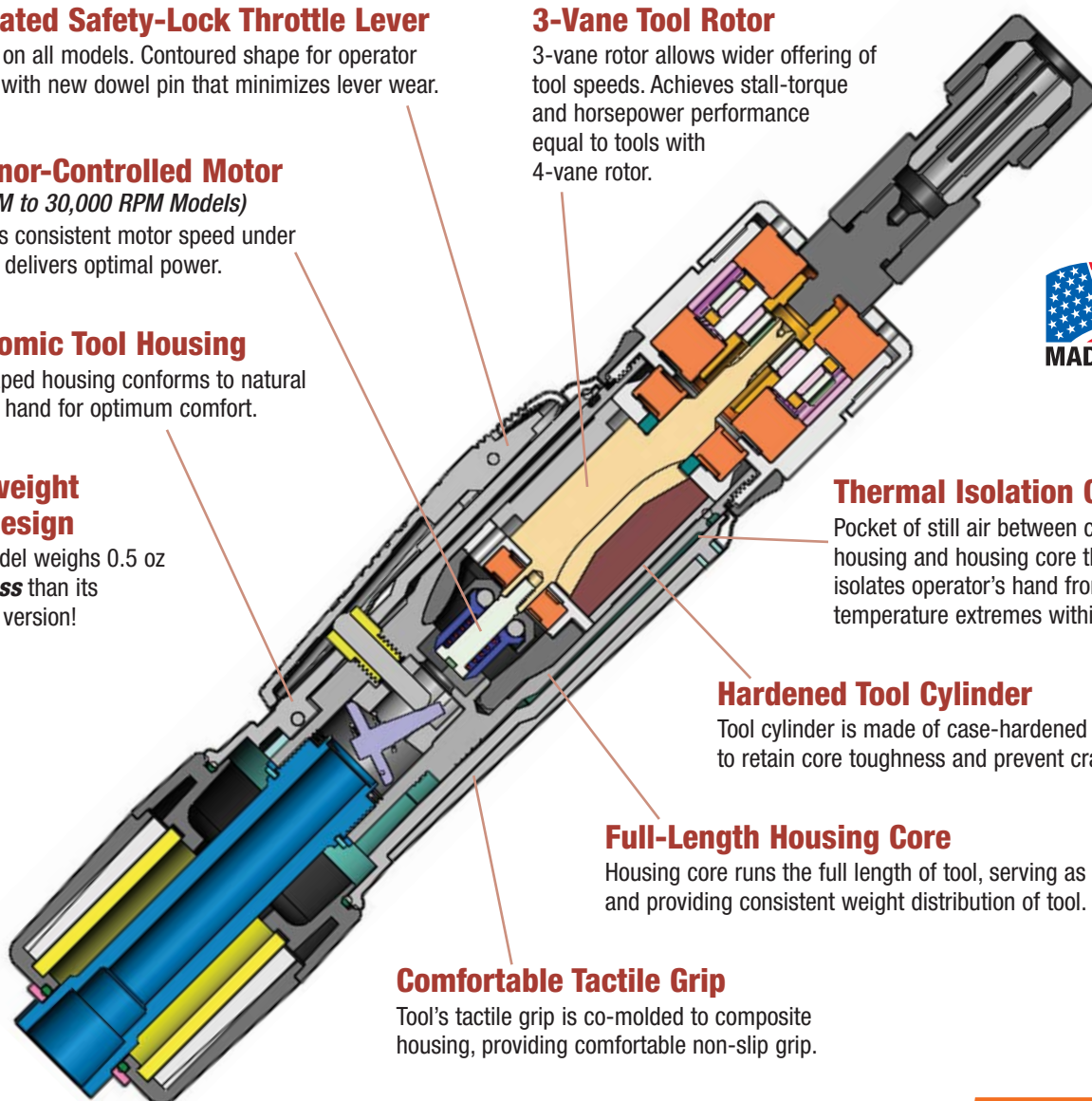
Tool cylinder is made of case-hardened material, to retain core toughness and prevent cracking.

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

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

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

See page 69 for Vacuum Models!

Model 48201

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

Model 48203

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

Model 48350

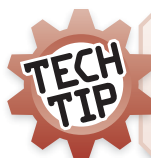
35,000 RPM, 1/8" & 3 mm Collets

Model 48355

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



Model 48350



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

.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.

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**

- Four-piece collet design.

Model 48370

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

- Four-piece collet design.

Model 48345

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

- Four-piece collet design.

Model 48341

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

- Includes 94994 Overhose Assembly.



Model
48325

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



Gearless

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

.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.

Model 52200

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

Model 52202

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



Model
52200

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



Gearless



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, EI, & Co., Inc.

See all models on pages 57-58!

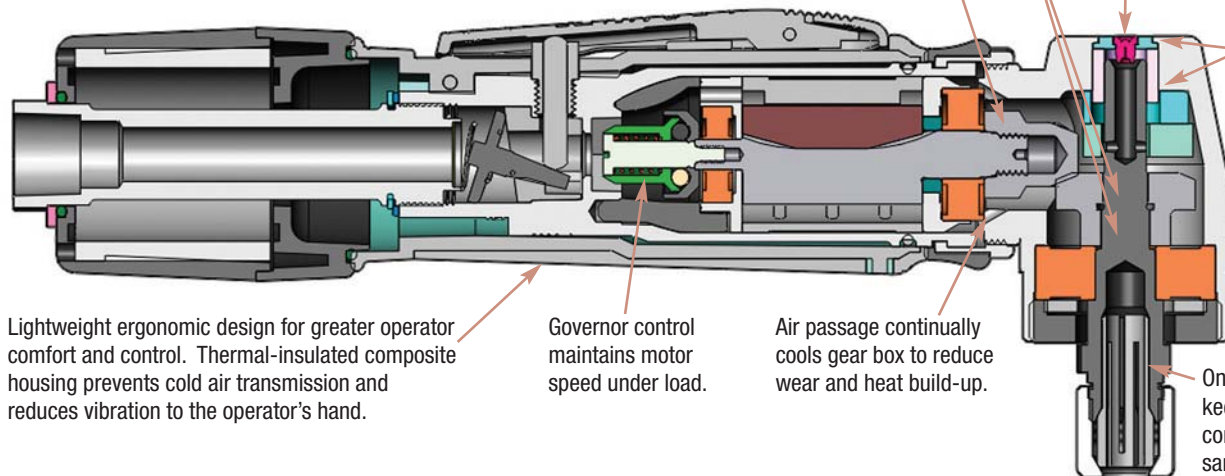


Features dual wick lubrication system, saturated with gear oil for extended gear life (over 700 hours with proper use of gear oil), increased performance and reduced downtime.

Pinion piloted on rotor to reduce runout and increase gear life.

Oil fitting to maintain proper gear oil saturation.

Needle bearing assures proper shaft alignment; has push-out plug for easy removal.



Lightweight ergonomic design for greater operator comfort and control. Thermal-insulated composite housing prevents cold air transmission and reduces vibration to the operator's hand.

Governor control maintains motor speed under load.

Air passage continually cools gear box to reduce wear and heat build-up.

One piece spindle keeps all rotating components on the same centerline to reduce run-out.

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 *specifically 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)

.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



See page 69
for Vacuum
Models!



Model 48205



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.

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.

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)

.5 hp Die Grinders

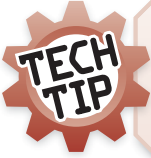
Straight-Line, Extension Models, Rear Exhaust


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High-Quality Air-Powered Die Grinders

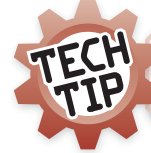
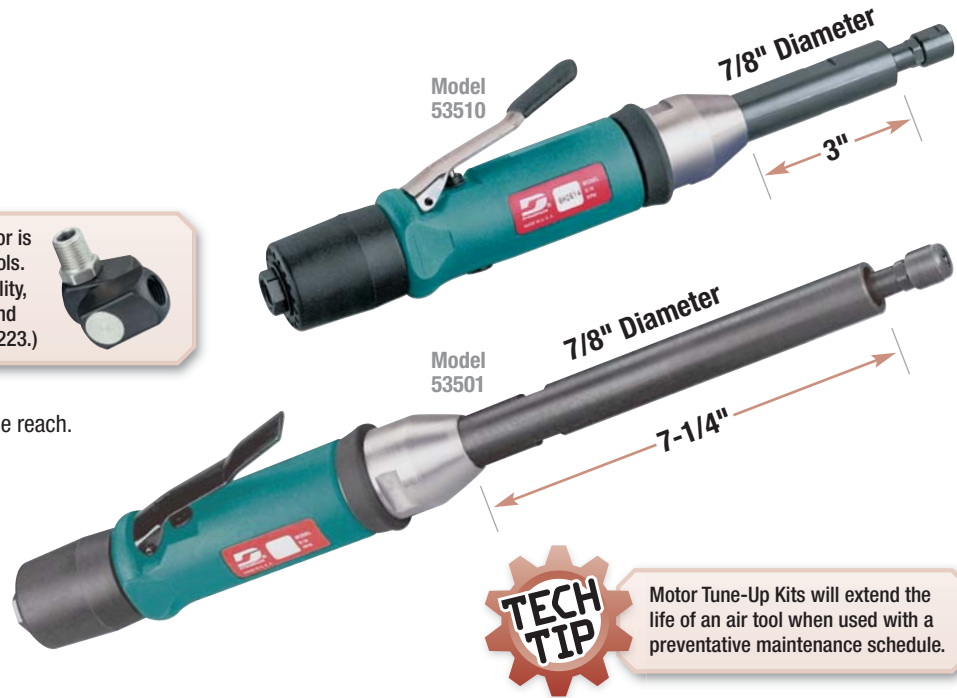
- Extension Die Grinder with 3" workable reach.
- Extended rear exhaust muffler design ensures lowest sound level.

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



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	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)

.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

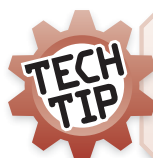
24,000 RPM, 1/4" & 6 mm Collets



Model 52221



Gearless



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



Gearless

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)
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



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)
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



Gearless

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)
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

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

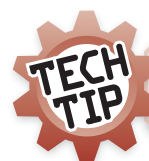
18,000 RPM, 1/4" & 6 mm Collets

Model 52278

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



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.

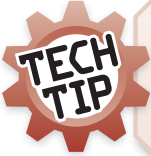


Model
53811



Model
53812

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



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



See .5 hp Steel Housing models on page 60!

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,
Mounted Points and Discs
SEE PAGE 251

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



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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,
Mounted Points and Discs
SEE PAGE 251

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)!



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



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)
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 52294

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

Model 52293

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

Model 52297

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



Model 52293



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	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



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)
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

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 52660

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 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



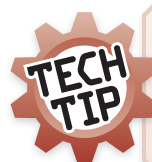
Model 52669

Use a carbide burr to easily blend weld seams.



Gearless

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

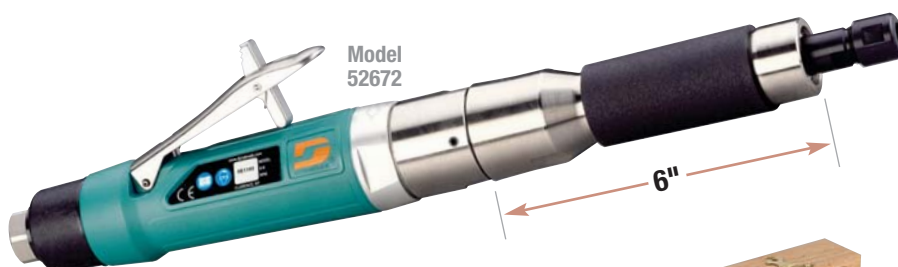
- Governor-controlled to maintain RPM under heavy load and deliver optimal power.
- Safety-lock lever is standard on all models.

Model 52672

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

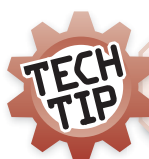
Model 52673

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



Model 52672

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

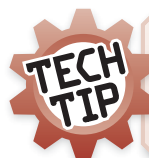
20,000 RPM, 1/4" & 6 mm Collets



Model 52678



Gearless



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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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**

Models 56715 & 56719 include
95848 Gear Oil and
95541 Gear Oil Gun.
Simple lubrication
extends gear life.



Model
56715



Model
56723



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.



Model 56759



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.)



Gearless
(All Models on page)

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

Model 56743



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)