

Die Grinders

Pencil Grinders	92	0.55 hp Die Grinder	104
0.33 hp, 0.4 hp Die Grinders	95	0.7 hp Die Grinders	105
0.4 hp Die Grinders	96	1.0 hp Die Grinders	107
0.5 hp Die Grinders	101		



Continued Leadership In Portable Abrasive Power Tool Technology
www.dynabrade.com

Pencil Grinders

Rotary Vane Air Motor Models

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**

Precision Deburring and Finishing on a Variety of Surfaces

- An ideal tool for use in casting houses, effective on cast parts of aluminum, bronze and brass. Quickly and efficiently removes gates and parting lines in cast parts.
- High-efficiency rotary vane air motor.
- Adjustable tool speed from 5,000 RPM to 25,000 RPM.
- Operate tool and adjust speed by simply rotating rear black cover.
- Tactile grip on shaft end allows fingertip control, and alerts operator to rotating collet area.
- Changing of attachment is achieved with easy, two-wrench maneuver.
- Unique housing shape allows tool to be held as a traditional Die Grinder.

Model 52861
1/8" Collet
Model 52862
3 mm Collet
Model 52863
1/4" Collet
Model 52864
6 mm Collet

52898 Thread Guard

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



Model 52861



Model 52861



Rotary Vane Pencil Grinder is ideal for precision deburring.

Model Number	Motor hp (W)	Collet Size	Motor RPM	Exhaust	Maximum Air Flow SCFM (LPM)	Air Pressure PSIG (Bar)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Diameter Inch (mm)
52861	0.4 (298)	1/8"	25,000	Rear	20 (566)	90 (6.2)	1/4 (6)	1/4" NPT	1.1 (.48)	5.66 (144)	1-1/2 (39)
52862	0.4 (298)	3 mm	25,000	Rear	20 (566)	90 (6.2)	1/4 (6)	1/4" NPT	1.1 (.48)	5.66 (144)	1-1/2 (39)
52863	0.4 (298)	1/4"	25,000	Rear	20 (566)	90 (6.2)	1/4 (6)	1/4" NPT	1.1 (.48)	5.66 (144)	1-1/2 (39)
52864	0.4 (298)	6 mm	25,000	Rear	20 (566)	90 (6.2)	1/4 (6)	1/4" NPT	1.1 (.48)	5.66 (144)	1-1/2 (39)

Pencil Grinders

Turbine-Driven Air Motor Models

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**

Precision Deburring and Finishing on a Variety of Surfaces

- High-efficiency air motor has no wearable gears, vanes or blades. Oil-free operation minimizes maintenance time and repair costs.
- Air motor is controlled with patented governor, providing constant tool speed under load.
- Quality high-speed bearings are included.
- Housing has "non slip" rubber grip for additional control.
- Tactile cues on shaft end alert operator to rotating collet area.
- Changing of attachment is achieved with easy, two-wrench maneuver.
- Includes high-quality flexible air hose.



Model 51810



100,000 RPM Pencil Grinder offers enhanced cut rate.


FASTTRACK

Pencil Grinders

Turbine-Driven Air Motor Models

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

Precision Deburring and Finishing on a Variety of Surfaces

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

Model 51706
 1/8" Collet

Model 51756
 1/8" Collet, Extension Model

Model 51707
 3 mm Collet

Model 51708
 3/32" Collet

Model 51756
Extension Model provides additional reach.



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

Model 51703
 1/8" Collet

Model 51730
 1/8" Collet, Ceramic Bearings

Model 51753
 1/8" Collet, Extension Model

Model 51704
 3 mm Collet

Model 51732
 3 mm Collet, Ceramic Bearings

Model 51705
 3/32" Collet

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



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

Model 51700
 1/8" Collet

Model 51731
 1/8" Collet, Ceramic Bearings

Model 51740
 1/8" Collet, Mount Stem

Model 51750
 1/8" Collet, Extension Model

Model 51701
 3 mm Collet

Model 51733
 3 mm Collet, Ceramic Bearings

Model 51742
 3 mm Collet, Mount Stem

Model 51702
 3/32" Collet

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



100,000 RPM Models with **SILVER** Tool Cap

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

Model 51810 1/8" Collet

Model 51812 3/32" Collet

Model 51811 1/16" Collet

Model 51813 3 mm Collet

Model 51810



Model Number	Motor RPM	Exhaust	Maximum Air Flow SCFM (LPM)	Air Pressure PSIG (Bar)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51706-51708	35,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51756	35,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	6 (152)	1-1/2 (39)
51703-51705	50,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51730/51732	50,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51753	50,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	6 (152)	1-1/2 (39)
51700-51702	60,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51731/51733	60,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	5-1/4 (132)	1-1/2 (39)
51740/51742	60,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.5 (0.2)	7-3/16 (182)	1-1/2 (39)
51750	60,000	Rear	8 (227)	90 (6.2)	1/4 (6)	1/4" NPT	0.8 (0.4)	6 (152)	1-1/2 (39)
51810-51813	100,000	Rear	6 (170)	90 (6.2)	1/4 (6)	1/4" NPT	.84 (.38)	5-5/16 (135)	1-1/2 (39)



The Choice Is Yours

Dynabrade Die Grinders Offered in a Variety of Configurations

Gearred and Gearless Tool Offerings

- Gearred Tools generally have higher torque levels, while gearless tools offer reduced maintenance and downtime.

Two Types of Gearing

- **Planetary gears** are inline speed reduction gears. The higher 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 high 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.



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 from the work surface, and do not have a sound-reducing muffler.



Rear Exhaust

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



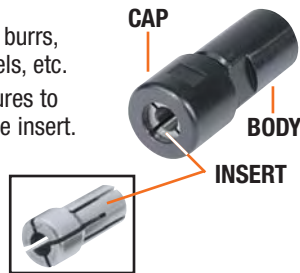
- Abbreviated length of **standard muffler** is ideal for smaller hands.



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					
	Collet Size	Collet Part Number	Collet Type	1/8"	1/4"	3/8"	3 mm	6 mm	8 mm
3/8"-24 Male	1/4"	50010	3-Piece	50065	50013*	50014		50016	50039
	6 mm	50015	3-Piece	50065	50013	50014		50016*	50039
M8x1 Male	1/4"	50020	2-Piece	01647	01644*		01648	01646	
	1/4"	50080	3-Piece	01495	01485*		01496	01497	
	6 mm	50079	3-Piece	01495	01485		01496	01497*	
	1/4"	51124	4-Piece	01495	01485*		01496	01497	
	6 mm	51125	4-Piece	01495	01485		01496	01497*	
	3/8"	50018	3-Piece	50065	50013	50014*		50016	50039
5/16"-24 Male	1/4"	51106	4-Piece	01495	01485*		01496	01497	
	6 mm	51110	4-Piece	01495	01485		01496	01497*	
1/2"-20 Male	1/4"	50066	3-Piece	50065	50013*	50014		50016	50039
	6 mm	50073	3-Piece	50065	50013	50014		50016*	50039
1/4"-28 Female	1/4"	50055	2-Piece	50034					
Integrated Collets:									
.4 hp Rt. Angle Die Grinders				01495	01485		01496	01497	
Mini-Dynaflex® II				01647	01644		01648	01646	

*Denotes Standard Insert Included with Collet

.33 hp Die Grinder

Right Angle, Gearless, Rear Exhaust

ABRASIVE CAPACITY
 CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

Model 52196 18,000 RPM, 1/4" Collet

- Powerful high-torque air motor.
- Gearless for reduced maintenance and downtime.
- Optional safety-lock lever available.
- Thermal-insulated handle reduces cold air transmission to operator.

Optional 94994 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 157.)



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52196	.33 (246)	18,000	81 dB(A)	20 (567)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.9 (0.8)	4-1/2 (114)	3-7/8 (98)

Tune-Up Kit: No. 96505 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.4 hp Die Grinder

Angle-Head, Planetary Geared, Rear Exhaust

ABRASIVE CAPACITY
 CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

Model 53420 3,200 RPM, 1/4" Collet

- Includes 50055 Collet Assembly and extended rear exhaust muffler to reduce noise levels.
- Optional 54585 Side Handle Assembly is available.
- Lightweight thermal-insulated housing reduces cold air transmission and vibration to the operator.

The use of a filter-regulator-lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 162.)



Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53420	.4 (298)	3,200	83 dB(A)	23 (650)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (0.9)	11-3/8 (289)	2-1/8 (54)

Tune-Up Kit: No. 96333 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



.4 hp Die Grinders

Straight-Line, Planetary Geared, Rear Exhaust

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**

High Quality Air-Powered Die Grinders

- Planetary gear allows tool to run at proper speed under load, maximizing life of cutting accessory.
- Extended muffler design.

Model 51200
950 RPM, 1/4" Collet
Model 51203
950 RPM, 6 mm Collet
Model 51201
3,200 RPM, 1/4" Collet
Model 51204
3,200 RPM, 6 mm Collet
Model 51202
5,000 RPM, 1/4" Collet
Model 51205
5,000 RPM, 6 mm Collet

Model 51200



Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51200 / 51203	.4 (298)	950	78 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3/8"-24 Male	2.1 (1.0)	10-3/8 (264)	1-5/8 (40)
51201 / 51204	.4 (298)	3,200	77 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.8 (0.8)	9-1/8 (232)	1-5/8 (40)
51202 / 51205	.4 (298)	5,000	80 dB(A)	23 (651)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.8 (0.8)	9-1/8 (232)	1-5/8 (40)

Tune-Up Kit: No. 96173 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.4 hp Die Grinders

Straight-Line, Gearless, Rear Exhaust

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**

High Quality Air-Powered Die Grinders

- Gearless motors decrease downtime and lessen repair expense when compared to geared tools.
- Collet design reduces run-out.
- Extended muffler design.

Model 52201
25,000 RPM, 1/4" Collet
Model 52231
25,000 RPM, 6 mm Collet
Model 52203
30,000 RPM, 1/4" Collet
Model 52233
30,000 RPM, 6 mm Collet

Model 52201



Dynaswivel® air line connector is ideal for use with most air tools. The Dynaswivel® improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 163.)


Gearless

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52201 / 52231	.4 (298)	25,000	73 dB(A)	22 (623)	1/4 (6)	1/4" NPT	–	1.0 (0.5)	7-1/8 (181)	1-5/8 (41)
52203 / 52233	.4 (298)	30,000	76 dB(A)	23 (651)	1/4 (6)	1/4" NPT	–	1.0 (0.5)	7-1/8 (181)	1-5/8 (41)

Tune-Up Kit: No. 96049 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

FASTTRACK

Collet Inserts: Page 94 • Carbide Burrs: Page 189 • Accessories: Page 159

.4 hp Die Grinders

Straight-Line, Gearless, Rear Exhaust

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

- Gearless motors decrease downtime and lessen repair expense when compared to geared tools.
- Features standard muffler for more compact design.

Model 52325
 25,000 RPM, 1/4" Collet

Model 52326
 25,000 RPM, 6 mm Collet

Model 52327
 30,000 RPM, 1/4" Collet

Model 52328
 30,000 RPM, 6 mm Collet

Model 52345
 30,000 RPM, 1/8" Collet

Model 52341
 30,000 RPM, 1/8" Collet

- Model 52341 includes 94994 Overhose Assembly.



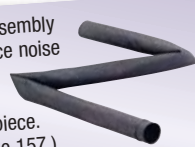
Model 52325



Gearless



Optional 94994 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 157.)



Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52325 / 52326	.4 (298)	25,000	81 dB(A)	22 (623)	1/4 (6)	1/4" NPT	—	0.8 (0.4)	5-3/4 (146)	1-5/8 (41)
52327 / 52328	.4 (298)	30,000	83 dB(A)	23 (651)	1/4 (6)	1/4" NPT	—	0.8 (0.4)	5-3/4 (146)	1-5/8 (41)
52345 / —	.4 (298)	30,000	83 dB(A)	23 (651)	1/4 (6)	1/4" NPT	—	0.8 (0.4)	5-3/4 (146)	1-5/8 (41)
52341 / —	.4 (298)	30,000	83 dB(A)	23 (651)	1/4 (6)	1/4" NPT	—	0.8 (0.4)	5-3/4 (146)	1-5/8 (41)

Tune-Up Kit: No. 96049 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.4 hp Die Grinders

Straight-Line, Gearless, Front Exhaust

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

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" Collet

Model 52230
 25,000 RPM, 6 mm Collet

Model 52202
 30,000 RPM, 1/4" Collet

Model 52232
 30,000 RPM, 6 mm Collet



The use of a filter-regulator-lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 162.)



Model 52200



Gearless

Model 52200

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52200 / 52230	.4 (298)	25,000	75 dB(A)	20 (566)	1/4 (6)	1/4" NPT	—	0.8 (0.4)	5-1/8 (130)	1-5/8 (41)
52202 / 52232	.4 (298)	30,000	88 dB(A)	20 (566)	1/4 (6)	1/4" NPT	—	0.8 (0.4)	5-1/8 (130)	1-5/8 (41)

Tune-Up Kit: No. 96048 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



.4 hp Die Grinders

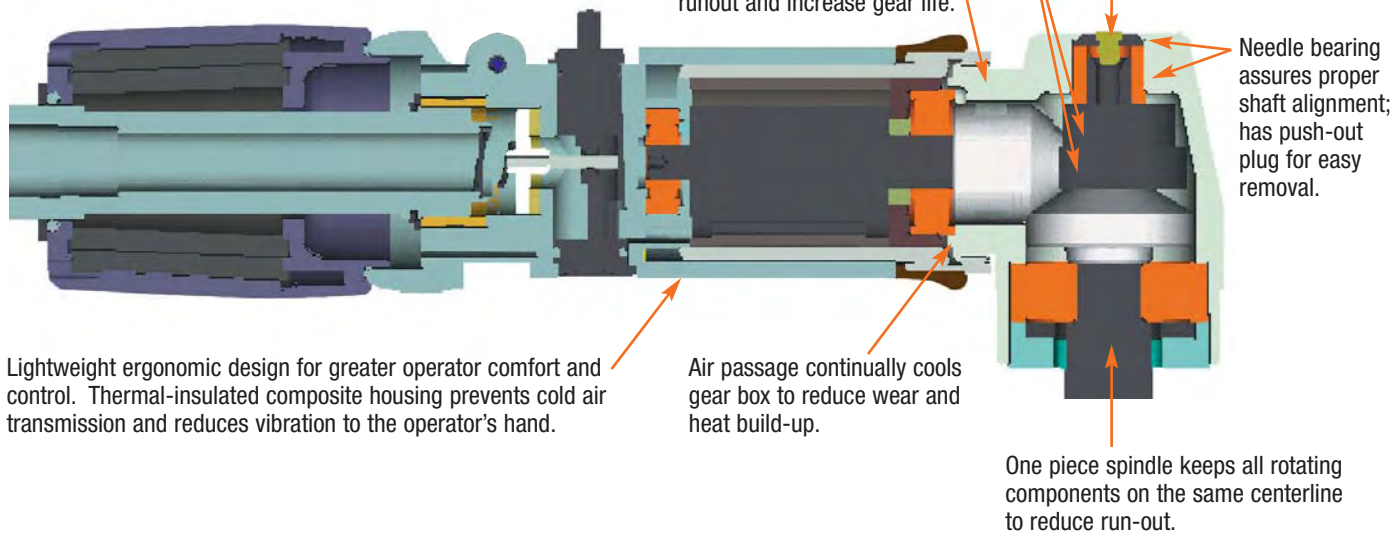
Right Angle and 7° Offset Models

See Our Features and Benefits: A Picture Says a Thousand Words!

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

Tools include Kevlar® phenolic vanes for longer life.

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



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.

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. Includes gear oil and gun, see opposite page.

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 and increased gear life.
- Front and rear exhaust models. Air passage to continually cool the gear box – longer gear life!
- Pinion piloted on rotor to reduce run-out and increase gear life.
- Needle bearing assures proper shaft alignment – increases gear life.
- 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 *pecially 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

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

Front Exhaust Models

Model 51800
 12,000 RPM, 1/4" Collet

Model 51801
 15,000 RPM, 1/4" Collet

Model 51802
 20,000 RPM, 1/4" Collet

Model 51803
 12,000 RPM, 6 mm Collet

Model 51804
 15,000 RPM, 6 mm Collet

Model 51805
 20,000 RPM, 6 mm Collet



Model 51800

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51800 / 51803	.4 (298)	12,000	85 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.1 (.5)	5-3/4 (146)	2-7/8 (71)
51801 / 51804	.4 (298)	15,000	84 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.1 (.5)	5-3/4 (146)	2-7/8 (71)
51802 / 51805	.4 (298)	20,000	87 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.1 (.5)	5-3/4 (146)	2-7/8 (71)

Tune-Up Kit: No. 96179 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Rear Exhaust Models with Extended Muffler

Model 50000
 12,000 RPM, 1/4" Collet

Model 50001
 15,000 RPM, 1/4" Collet

Model 50002
 20,000 RPM, 1/4" Collet

Model 50003
 12,000 RPM, 6 mm Collet

Model 50004
 15,000 RPM, 6 mm Collet

Model 50005
 20,000 RPM, 6 mm Collet



Model 50000

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
50000 / 50003	.4 (298)	12,000	85 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.2 (.5)	7-3/8 (187)	2-7/8 (73)
50001 / 50004	.4 (298)	15,000	83 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.2 (.5)	7-3/8 (187)	2-7/8 (73)
50002 / 50005	.4 (298)	20,000	86 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.2 (.5)	7-3/8 (187)	2-7/8 (73)

Tune-Up Kit: No. 96179 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Rear Exhaust Models with Standard Muffler

Model 53425
 3,200 RPM, 1/4" Collet

Model 52315
 12,000 RPM, 1/4" Collet

Model 52316
 15,000 RPM, 1/4" Collet

Model 52317
 20,000 RPM, 1/4" Collet

Model 52318
 12,000 RPM, 6 mm Collet

Model 52319
 15,000 RPM, 6 mm Collet

Model 52320
 20,000 RPM, 6 mm Collet



Model 52315

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53425 / –	.4 (298)	3,200	84 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.9 (.9)	7 (178)	2-1/8 (54)
52315 / 52318	.4 (298)	12,000	86 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.1 (.5)	5-3/4 (146)	2-7/8 (71)
52316 / 52319	.4 (298)	15,000	86 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.1 (.5)	5-3/4 (146)	2-7/8 (71)
52317 / 52320	.4 (298)	20,000	87 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.1 (.5)	5-3/4 (146)	2-7/8 (71)

Tune-Up Kit: No. 96179 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



.4 hp Die Grinders

7° Offset, Front and Rear Exhaust

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

Front Exhaust Models

Model 52204

25,000 RPM, 1/4" Collet

Model 52250

25,000 RPM, 6 mm Collet

Model 52206

30,000 RPM, 1/4" Collet

Model 52252

30,000 RPM, 6 mm Collet



Model 52204



Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52204 / 52250	.4 (298)	25,000	74 dB(A)	18 (510)	1/4 (6)	1/4" NPT	–	1.0 (.5)	6 (152)	3-3/4 (94)
52206 / 52252	.4 (298)	30,000	78 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.0 (.5)	6 (152)	3-3/4 (94)

Tune-Up Kit: No. 96048 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Rear Exhaust Models with Extended Muffler

Model 52205

25,000 RPM, 1/4" Collet

Model 52251

25,000 RPM, 6 mm Collet

Model 52207

30,000 RPM, 1/4" Collet



Model 52205



Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52205 / 52251	.4 (298)	25,000	80 dB(A)	19 (538)	1/4 (6)	1/4" NPT	–	1.3 (.6)	8-1/2 (216)	3-3/4 (94)
52207 / NA	.4 (298)	30,000	76 dB(A)	22 (623)	1/4 (6)	1/4" NPT	–	1.3 (.6)	8-1/2 (216)	3-3/4 (94)

Tune-Up Kit: No. 96049 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Rear Exhaust Models with Standard Muffler

Model 52335

25,000 RPM, 1/4" Collet

Model 52331

25,000 RPM, 6 mm Collet

Model 52337

30,000 RPM, 1/4" Collet

Model 52333

30,000 RPM, 6 mm Collet



Model 52335



Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52335 / 52331	.4 (298)	25,000	85 dB(A)	18 (510)	1/4 (6)	1/4" NPT	–	1.0 (.5)	6 (152)	3-3/4 (94)
52337 / 52333	.4 (298)	30,000	84 dB(A)	21 (595)	1/4 (6)	1/4" NPT	–	1.0 (.5)	6 (152)	3-3/4 (94)

Tune-Up Kit: No. 96049 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

7° Offset, Planetary Geared, Rear Exhaust

Model 51211

3,200 RPM, 1/4" Collet

Model 51214

3,200 RPM, 6 mm Collet

Model 51212

5,000 RPM, 1/4" Collet

Model 51215

5,000 RPM, 6 mm Collet



Model 51211

All models include
 Extended Muffler.

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51211 / 51214	.4 (298)	3,200	80 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	2.1 (.9)	8 (203)	5-1/2 (141)
51212 / 51215	.4 (298)	5,000	78 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	2.1 (.9)	8 (203)	5-1/2 (141)

Tune-Up Kit: No. 96174 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



.5 hp Die Grinders

Straight-Line, Gearless, Front Exhaust

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

- Gearless for reduced maintenance and downtime.

Model 51300
 15,000 RPM, 1/4" Collet

Model 51310
 15,000 RPM, 6 mm Collet

Model 51301
 18,000 RPM, 1/4" Collet

Model 51311
 18,000 RPM, 6 mm Collet

Model 51302
 20,000 RPM, 1/4" Collet

Model 51312
 20,000 RPM, 6 mm Collet

Model 51303
 24,000 RPM, 1/4" Collet

Model 51313
 24,000 RPM, 6 mm Collet



Model 51301



Gearless

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51300 / 51310	.5 (373)	15,000	80 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 / 51311	.5 (373)	18,000	81 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 / 51312	.5 (373)	20,000	82 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 / 51313	.5 (373)	24,000	84 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 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.5 hp Die Grinders

Straight-Line, Gearless, Rear Exhaust

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

- Gearless for reduced maintenance and downtime.
- Extended rear exhaust muffler design.

Model 51304
 15,000 RPM, 1/4" Collet

Model 51314
 15,000 RPM, 6 mm Collet

Model 51305
 18,000 RPM, 1/4" Collet

Model 51315
 18,000 RPM, 6 mm Collet

Model 51306
 20,000 RPM, 1/4" Collet

Model 51316
 20,000 RPM, 6 mm Collet

Model 51307
 24,000 RPM, 1/4" Collet

Model 51317
 24,000 RPM, 6 mm Collet



Model 51304



Gearless

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51304 / 51314	.5 (373)	15,000	79 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 / 51315	.5 (373)	18,000	79 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 / 51316	.5 (373)	20,000	80 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 / 51317	.5 (373)	24,000	79 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 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



.5 hp Die Grinders

Straight-Line, 3" Extension, Rear Exhaust

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**

High Quality Air-Powered Die Grinders

- Extension Die Grinder has 3" workable reach.
- Extended rear exhaust muffler design.

Model 53510
18,000 RPM, 1/4" Collet
Model 53512
18,000 RPM, 6 mm Collet
Model 53511
20,000 RPM, 1/4" Collet
Model 53513
20,000 RPM, 6 mm Collet


Dynaswivel® air line connector is ideal for use with most air tools. The Dynaswivel® improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 163.)



Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53510 / 53512	.5 (373)	18,000	75 dB(A)	30 (850)	3/8 (10)	1/4" NPT	–	2.5 (1.1)	12-7/8 (327)	1-7/8 (48)
53511 / 53513	.5 (373)	20,000	77 dB(A)	31 (878)	3/8 (10)	1/4" NPT	–	2.5 (1.1)	12-7/8 (327)	1-7/8 (48)

Tune-Up Kit: No. 96007 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

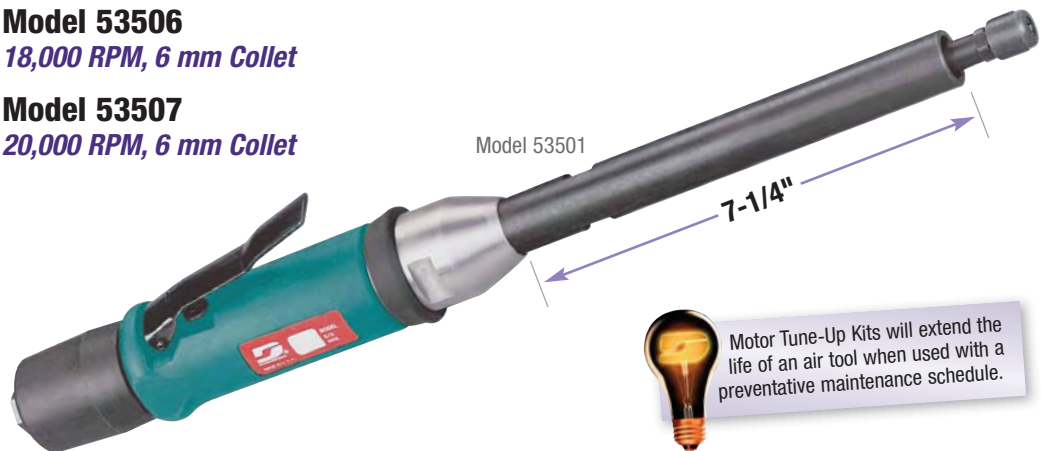
.5 hp Die Grinders

Straight-Line, 7-1/4" Extension, Rear Exhaust

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**

High Quality Air-Powered Die Grinders

- Extension Die Grinder has 7-1/4" workable reach.
- Extended rear exhaust muffler design.

Model 53501
18,000 RPM, 1/4" Collet
Model 53506
18,000 RPM, 6 mm Collet
Model 53502
20,000 RPM, 1/4" Collet
Model 53507
20,000 RPM, 6 mm Collet


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

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53501 / 53506	.5 (373)	18,000	75 dB(A)	30 (850)	3/8 (10)	1/4" NPT	–	3.2 (1.5)	17-7/8 (454)	1-7/8 (48)
53502 / 53507	.5 (373)	20,000	77 dB(A)	31 (878)	3/8 (10)	1/4" NPT	–	3.2 (1.5)	17-7/8 (454)	1-7/8 (48)

Tune-Up Kit: No. 96007 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)


FASTTRACK

Collet Inserts: Page 94 • Carbide Burrs: Page 189 • Accessories: Page 159

.5 hp Die Grinders

7° Offset, Short Shank, Gearless, Front Exhaust

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

- Gearless for reduced maintenance and downtime.

Model 52211
 18,000 RPM, 1/4" Collet

Model 52261
 18,000 RPM, 6 mm Collet

Model 52212
 20,000 RPM, 1/4" Collet

Model 52262
 20,000 RPM, 6 mm Collet

Model 52213
 24,000 RPM, 1/4" Collet

Model 52263
 24,000 RPM, 6 mm Collet



Model 52211



Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52211 / 52261	.5 (373)	18,000	77 dB(A)	28 (793)	3/8 (10)	1/4" NPT	–	1.7 (0.8)	6 (152)	4-1/2 (114)
52212 / 52262	.5 (373)	20,000	77 dB(A)	28 (793)	3/8 (10)	1/4" NPT	–	1.7 (0.8)	6 (152)	4-1/2 (114)
52213 / 52263	.5 (373)	24,000	82 dB(A)	28 (793)	3/8 (10)	1/4" NPT	–	1.7 (0.8)	6 (152)	4-1/2 (114)

Tune-Up Kit: No. 96044 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.5 hp Die Grinders

7° Offset, Short Shank, Gearless, Rear Exhaust

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

- Gearless for reduced maintenance and downtime.
- Extended rear exhaust muffler design.

Model 52221
 18,000 RPM, 1/4" Collet

Model 52223
 24,000 RPM, 1/4" Collet

Model 52222
 20,000 RPM, 1/4" Collet



Model 52221



Dynaswivel® air line connector is ideal for use with most air tools. The Dynaswivel® improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 163.)

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52221	.5 (373)	18,000	77 dB(A)	23 (651)	3/8 (10)	1/4" NPT	–	2.0 (0.9)	8-1/8 (206)	4-1/2 (114)
52222	.5 (373)	20,000	79 dB(A)	25 (708)	3/8 (10)	1/4" NPT	–	2.0 (0.9)	8-1/8 (206)	4-1/2 (114)
52223	.5 (373)	24,000	78 dB(A)	27 (765)	3/8 (10)	1/4" NPT	–	2.0 (0.9)	8-1/8 (206)	4-1/2 (114)

Tune-Up Kit: No. 96044 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



.5 hp Die Grinders

7° Offset, Long Shank, Gearless, Front Exhaust

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**
High Quality Air-Powered Die Grinders

Front Exhaust Models

- Gearless for reduced maintenance and downtime.

Model 52216
15,000 RPM, 1/4" Collet
Model 52218
20,000 RPM, 1/4" Collet


Model 52216


Gearless

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	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	78 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	77 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 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Rear Exhaust Model

Model 52267 15,000 RPM, 1/4" Collet

- Gearless for reduced maintenance and downtime.
- Extended rear exhaust muffler design.



The use of a filter-regulator-lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 162.)



Model 52267


Gearless

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	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	76 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 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.55 hp Die Grinder

Right Angle, Gearless, Rear Exhaust

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**
High Quality Air-Powered Die Grinders
Model 52280 15,000 RPM, 1/4" Collet

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



Model 52280


Gearless

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52280	.55 (410)	15,000	83 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 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

FASTTRACK

Collet Inserts: Page 94 • Carbide Burrs: Page 189 • Accessories: Page 159

.7 hp Die Grinders

Straight-Line, Front Exhaust

ABRASIVE CAPACITY

CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

Model 52256

15,000 RPM, 1/4" Collet

Model 52257

18,000 RPM, 1/4" Collet

Model 52258

20,000 RPM, 1/4" Collet

Model 52264

15,000 RPM, 6 mm Collet

Model 52265

18,000 RPM, 6 mm Collet



Model 52256

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52256 / 52264	.7 (522)	15,000	83 dB(A)	31 (878)	3/8 (10)	1/4" NPT	-	1.7 (0.8)	6 (152)	1-7/8 (48)
52257 / 52265	.7 (522)	18,000	87 dB(A)	33 (935)	3/8 (10)	1/4" NPT	-	1.7 (0.8)	6 (152)	1-7/8 (48)
52258 / -	.7 (522)	20,000	91 dB(A)	34 (963)	3/8 (10)	1/4" NPT	-	1.7 (0.8)	6 (152)	1-7/8 (48)

Tune-Up Kit: No. 96529 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

.7 hp Die Grinders

Straight-Line, Rear Exhaust

ABRASIVE CAPACITY

CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

- Extended rear exhaust muffler design.

Model 52100

950 RPM, 1/4" Collet

Model 52101

3,400 RPM, 1/4" Collet

Model 52102

4,500 RPM, 1/4" Collet

Model 52276

15,000 RPM, 1/4" Collet

Model 52277

18,000 RPM, 1/4" Collet

Model 52278

20,000 RPM, 1/4" Collet

Model 52103

950 RPM, 6 mm Collet

Model 52104

3,400 RPM, 6 mm Collet

Model 52105

4,500 RPM, 6 mm Collet

Model 52281

15,000 RPM, 6 mm Collet

Model 52282

18,000 RPM, 6 mm Collet

Model 52283

20,000 RPM, 6 mm Collet



Model 52276



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

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52100 / 52103	.7 (522)	950	84 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 / 52104	.7 (522)	3,400	82 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 / 52105	.7 (522)	4,500	82 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 / 52281	.7 (522)	15,000	80 dB(A)	32 (906)	3/8 (10)	1/4" NPT	-	2.3 (0.7)	8-1/8 (206)	1-7/8 (48)
52277 / 52282	.7 (522)	18,000	81 dB(A)	34 (963)	3/8 (10)	1/4" NPT	-	2.3 (0.7)	8-1/8 (206)	1-7/8 (48)
52278 / 52283	.7 (522)	20,000	81 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: No. 96529 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



.7 hp Die Grinders

7° Offset, Gearless

**ABRASIVE
CAPACITY**
**CARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS**

High Quality Air-Powered Die Grinders

Short Shank, Front Exhaust Models

- Gearless for reduced maintenance and downtime.

Model 52289
18,000 RPM, 1/4" Collet
Model 52225
18,000 RPM, 6 mm Collet
Model 52290
20,000 RPM, 1/4" Collet
Model 52226
20,000 RPM, 6 mm Collet

Model 52289


Gearless

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52289 / 52225	.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 / 52226	.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 192) • 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.

Model 52293
18,000 RPM, 1/4" Collet
Model 52295
18,000 RPM, 6 mm Collet
Model 52294
20,000 RPM, 1/4" Collet
Model 52298
20,000 RPM, 6 mm Collet
Model 52297
20,000 RPM, 1/4" Collet, with Side Handle

Model 52293


Gearless

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52293 / 52295	.7 (522)	18,000	80 dB(A)	34 (963)	3/8 (10)	1/4" NPT	–	2.3 (1.0)	8-1/8 (206)	5-1/8 (130)
52294 / 52298	.7 (522)	20,000	77 dB(A)	37 (1,048)	3/8 (10)	1/4" NPT	–	2.3 (1.0)	8-1/8 (206)	5-1/8 (130)
52297 / –	.7 (522)	20,000	77 dB(A)	37 (1,048)	3/8 (10)	1/4" NPT	–	2.3 (1.0)	8-1/8 (206)	5-1/8 (130)

Tune-Up Kit: No. 96045 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Long Shank, Rear Exhaust Models

- Gearless for reduced maintenance and downtime.

Model 52242
20,000 RPM, 1/4" Collet
Model 52286
20,000 RPM, 6 mm Collet

Model 52242


Gearless


Dynaswivel® air line connector is ideal for use with most air tools. The Dynaswivel® improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 163.)



Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52242 / 52286	.7 (522)	20,000	84 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 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

FASTTRACK

Collet Inserts: Page 94 • Carbide Burrs: Page 189 • Accessories: Page 159

1 hp Die Grinders

Straight-Line, Rear Exhaust

ABRASIVE CAPACITY
CARBIDE BURRS, ROTARY FILES, MOUNTED POINTS, WHEELS AND DISCS

High Quality Air-Powered Die Grinders

Planetary Geared Models

- Governor-controlled to maintain RPM under heavy load.
- Safety-lock lever is standard on all models.
- Lightweight thermal-insulated housing reduces cold air transmission and vibration to operator.
- Unique anti-clog exhaust baffling.

Model 52660
 950 RPM, 1/4" Collet

Model 52680
 950 RPM, 6 mm Collet

Model 52662
 3,400 RPM, 1/4" Collet

Model 52682
 3,400 RPM, 6 mm Collet

Model 52663
 4,500 RPM, 1/4" Collet

Model 52683
 4,500 RPM, 6 mm Collet



Model 52660

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52660 / 52680	1 (744)	950	80 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	—	3.6 (1.6)	13-3/4 (384)	1-7/8 (48)
52662 / 52682	1 (744)	3,400	80 dB(A)	43 (1,218)	3/8 (10)	3/8" NPT	—	3.1 (1.4)	12-1/2 (317)	1-7/8 (48)
52663 / 52683	1 (744)	4,500	80 dB(A)	41 (1,161)	3/8 (10)	3/8" NPT	—	3.1 (1.4)	12-1/2 (317)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Gearless Models

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

Model 52665
 9,000 RPM, 1/4" Collet

Model 52685
 9,000 RPM, 6 mm Collet

Model 52666
 12,000 RPM, 1/4" Collet

Model 52686
 12,000 RPM, 6 mm Collet

Model 52667
 15,000 RPM, 1/4" Collet

Model 52687
 15,000 RPM, 6 mm Collet

Model 52668
 18,000 RPM, 1/4" Collet

Model 52688
 18,000 RPM, 6 mm Collet

Model 52669
 20,000 RPM, 1/4" Collet

Model 52689
 20,000 RPM, 6 mm Collet



Model 52669

Use a carbide burr to easily blend weld seams.

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 157.)



Gearless

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52665 / 52685	1 (744)	9,000	82 dB(A)	36 (1,020)	3/8 (10)	3/8" NPT	—	2.1 (1.0)	8-3/4 (221)	1-7/8 (48)
52666 / 52686	1 (744)	12,000	83 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	—	2.1 (1.0)	8-3/4 (221)	1-7/8 (48)
52667 / 52687	1 (744)	15,000	80 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	—	2.1 (1.0)	10 (254)	1-7/8 (48)
52668 / 52688	1 (744)	18,000	81 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	—	2.1 (1.0)	10 (254)	1-7/8 (48)
52669 / 52689	1 (744)	20,000	80 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	—	2.1 (1.0)	10 (254)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



1 hp Die Grinders

Straight-Line, 6" Extension, Rear Exhaust

ABRASIVE
CAPACITYCARBIDE BURRS, ROTARY
FILES, MOUNTED POINTS,
WHEELS AND DISCS

High Quality Air-Powered Die Grinders

Planetary Geared Models

- Governor-controlled to maintain RPM under heavy load.
- Safety-lock lever is standard on all models.
- Unique anti-clog exhaust baffling.

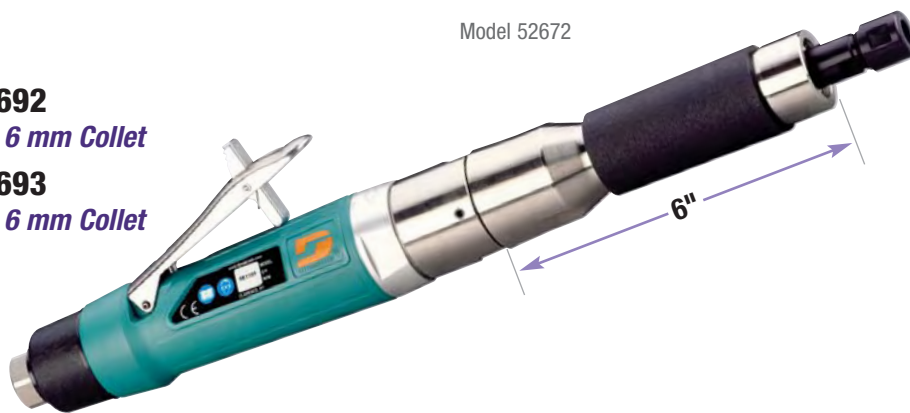
Model 52672
3,400 RPM, 1/4" Collet

Model 52692
3,400 RPM, 6 mm Collet

Model 52673
4,500 RPM, 1/4" Collet

Model 52693
4,500 RPM, 6 mm Collet

Model 52672



Motor Tune-Up Kits will extend the life of an air tool when used with a preventative maintenance schedule. (See page 192.)

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52672 / 52692	1 (744)	3,400	80 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	4.1 (1.9)	16-5/8 (423)	1-7/8 (48)
52673 / 52693	1 (744)	4,500	80 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	4.1 (1.9)	16-5/8 (423)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

Gearless Models

- Gearless for reduced maintenance and downtime.
- Governor-controlled to maintain RPM under heavy load.
- Safety-lock lever is standard on all models.
- Unique anti-clog exhaust baffling.

Model 52675
9,000 RPM, 1/4" Collet

Model 52695
9,000 RPM, 6 mm Collet

Model 52676
12,000 RPM, 1/4" Collet

Model 52696
12,000 RPM, 6 mm Collet

Model 52677
15,000 RPM, 1/4" Collet

Model 52697
15,000 RPM, 6 mm Collet

Model 52678
18,000 RPM, 1/4" Collet

Model 52698
18,000 RPM, 6 mm Collet

Model 52679
20,000 RPM, 1/4" Collet

Model 52699
20,000 RPM, 6 mm Collet

Model 52678



The use of a filter-regulator-lubricator will increase tool performance, extend tool life and lessen repair costs. (See page 162.)



Gearless

Model Number 1/4" / 6 mm	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
52675 / 52695	1 (744)	9,000	82 dB(A)	36 (1,020)	3/8 (10)	3/8" NPT	3.2 (1.5)	14-1/4 (359)	1-7/8 (48)
52676 / 52696	1 (744)	12,000	83 dB(A)	38 (1,076)	3/8 (10)	3/8" NPT	3.2 (1.5)	14-1/4 (359)	1-7/8 (48)
52677 / 52697	1 (744)	15,000	80 dB(A)	39 (1,104)	3/8 (10)	3/8" NPT	3.3 (1.5)	15-3/8 (390)	1-7/8 (48)
52678 / 52698	1 (744)	18,000	81 dB(A)	40 (1,133)	3/8 (10)	3/8" NPT	3.3 (1.5)	15-3/8 (390)	1-7/8 (48)
52679 / 52699	1 (744)	20,000	80 dB(A)	44 (1,256)	3/8 (10)	3/8" NPT	3.3 (1.5)	15-3/8 (390)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



FASTTRACK

1 hp Extension Grinders

Straight-Line, Rear Exhaust Models, 8-3/8" Extension

ABRASIVE CAPACITY
CARBIDE BURRS, MOUNTED POINTS, BUFFING PADS, CONE/PLUG WHEELS

Allows Efficient Work Within Long Pipes, Castings and More

- Extension Grinders allow operator to extend into work pieces and reach lengthy distances.
- Extension length of 8-3/8" allows longer reach than competitive models!
- Extensions are constructed of steel for maximum durability.
- Designed for minimal vibration. Extensions do not spin during tool use, so continuous tightening is not needed (as with some one-piece shaft-type extensions).
- Tools can also be fitted with optional Buffering Pads, optional collets and inserts, plus optional Cone/Plug Wheels. (Note: Speed of tool must not exceed maximum operating speed of accessory.)



Model 53521

3,400 RPM, 19-3/4" Length

Model 53522

3,400 RPM, 28-1/8" Length

Model 53523

3,400 RPM, 36-1/2" Length

Model 53531

18,000 RPM, 18-3/8" Length

Model 53532

18,000 RPM, 26-3/4" Length

Model 53533

18,000 RPM, 35-1/8" Length

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 157.)



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 (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53521	1 (744)	3,400	80 dB(A)	6 (43)	3/8 (10)	3/8" NPT	1/2"-20	5.5 (2.5)	19-3/4 (502)	1-7/8 (48)
53522	1 (744)	3,400	80 dB(A)	6 (43)	3/8 (10)	3/8" NPT	1/2"-20	7.6 (3.5)	28-1/8 (714)	1-7/8 (48)
53523	1 (744)	3,400	80 dB(A)	6 (43)	3/8 (10)	3/8" NPT	1/2"-20	9.75 (4.4)	36-1/2 (927)	1-7/8 (48)
53531	1 (744)	18,000	84 dB(A)	6 (40)	3/8 (10)	3/8" NPT	3/8"-24	4.8 (2.2)	18-3/8 (467)	1-7/8 (48)
53532	1 (744)	18,000	84 dB(A)	6 (40)	3/8 (10)	3/8" NPT	3/8"-24	6.9 (3.1)	26-3/4 (679)	1-7/8 (48)
53533	1 (744)	18,000	84 dB(A)	6 (40)	3/8 (10)	3/8" NPT	3/8"-24	8.9 (4.0)	35-1/8 (892)	1-7/8 (48)

Tune-Up Kit: No. 96532 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

