

.4 HP, RIGHT ANGLE TOOLS

PLANETARY - GEARED

Reorder No. D02.08

MINI-DYNORBITAL® RANDOM ORBITAL SANDER

Air Powered Random Orbital Sander

3/4" (19 mm) and 1-1/4" (32 mm) Dia., Rear Exhaust

- Ergonomically-designed for control and comfort.
- Thermal-insulated composite housing reduces vibration and cold air transmission to the operator.
- Built-in speed regulator, rear exhaust muffler, lever throttle.

MODEL 53415

3,200 RPM

- Accepts male locking-type Roloc® pads.
- 54035 Random Orbital Sanding Head.
- 1-1/4" (32 mm) dia. "soft density" locking-type pad (54031).
- Sample PSA 9-micron micro-finishing film discs. Pad has male locking-type thread and mounts to sanding head.



Model 53415

Model 53417

ABRASIVE CAPACITY

- 3/4" (19 mm) and 1-1/4" (32 mm) diameter discs.



Optional 94519 Muffler Assembly available. Reduces noise levels by as much as 3 dB(A).

Silicon Carbide PSA Discs

Diameter	80 Grit	120 Grit	180 Grit	220 Grit
3/4" (19 mm)	93271	93272	93274	93275
1-1/4" (32 mm)	93280	93281	93283	93284

MODEL 53417

3,200 RPM

- Accepts sanding pads which have 1/4"-20 female thread.
- 54034 Random Orbital Sanding Head.
- 1-1/4" (32 mm) dia. "medium density" pad (54018).
- Sample PSA 9-micron micro-finishing film discs. Pad has 1/4"-20 female thread and mounts to sanding head.

NOTE: For Model 53417, the sanding head mounts to tool's 3/8"-24 male spindle exposing 1/4"-20 male thread to accept pad.



Excellent for removing dust nibs on clear coat paint systems using various sanding heads and sanding pads.

Finesse Sanding Kit

MODEL 53465

Finesse Sanding Kit

- Remove dust nibs and scratches on base coat/clear coat paint systems!
- Our finesse kit includes all you need for quick, simple spot repair on painted surfaces.

Includes

- | | | |
|----------------------------------------|------------------------------|---------------------------------|
| A. 3,200 RPM Air Tool. | D. 54018 Sanding Pad. | H. 95723 Finesse Sanding Creme. |
| B. 54034 Random Orbital Sanding Head. | E. 90028 Wool Bonnet. | I. 95727 Dynabrade Glaze. |
| C. 50122 Hook 'n Loop Pad For Bonnets. | F. Assorted Wrenches. | J. 54017 Sanding Pad. |
| | G. 90027 Terry Cloth Bonnet. | K. Sample Abrasives. |



Model Number	Motor HP (W)	Motor RPM	Sound Level	Maximum Air Flow CFM/SCFM (LPM)	Air Pressure PSIG (Bars)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53415	.4 (298)	3,200	84 dB(A)	3/21 (595)	90 (6.2)	1.9 (.9)	7 (178)	2-3/4 (70)

Additional Specifications: Air Inlet Thread 1/4" NPT • Hose Size 1/4" (6 mm)

Roloc is a registered trademark of 3M Company.



Continued Leadership in Portable Abrasive Power Tool Technology

BUFFER

Air Powered

Remove dust nibs and scratches on base coat/clear coat paint systems!

3" (76 mm) Dia., Rear Exhaust

MODEL 53460

3,200 RPM

- Ergonomically-designed for control and comfort.
- Thermal-insulated housing reduces vibration and cold air transmission to the operator.
- Rear exhaust, lever throttle, conventional rotary action.
- Includes 90027 Terry Cloth Bonnet and 90028 Wool Buffing Bonnet.
- Has 50122 Hook 'n Loop Pad, 3" (76 mm) dia. to mount bonnets.
- Pad has 1/4"-20 female thread with mounted 54021 Adapter (included).

ABRASIVE CAPACITY
• 3" (76 mm) dia. polishing buffs.



Model 53460



90027



90028

Ideal for use with 90027 Terry Cloth Bonnet...

...and 90028 Wool Buffing Bonnet.

3" (76 mm) Dia. Buffs (Hook-Face Backing)

Terry Cloth	Synthetic Wool	Foam "Flat Face" Polishing/White	Foam "Flat Face" Cutting/Yellow	Natural Sheepskin/Wool
90027	90028	90038	90044	90080

Model Number	Motor HP (W)	Motor RPM	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow CFM/SCFM (LPM)	Air Pressure PSIG (Bars)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53460	.4 (298)	3,200	3 (76)	84 dB(A)	3/21 (595)	90 (6.2)	1.9 (.9)	7 (178)	2-3/4 (70)

Additional Specifications: Spindle Thread 3/8"-24 Male • Air Inlet Thread 1/4" NPT • Hose Size 1/4" (8 mm)

DIE GRINDER

Air Powered

Rear Exhaust, 1/4" Collet

MODEL 53425

3,200 RPM

- Lightweight thermal-insulated housing reduces cold air transmission and vibration to the operator.
- Includes collet assembly and exhaust muffler to reduce noise levels.

ABRASIVE CAPACITY
• Carbide burrs, rotary files, mounted points, wheels and discs.



Model 53425

Model Number	Motor HP (W)	Motor RPM	Sound Level	Maximum Air Flow CFM/SCFM (LPM)	Air Pressure PSIG (Bars)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53425	.4 (298)	3,200	84 dB(A)	3/21 (595)	90 (6.2)	1.9 (.9)	7 (178)	2-1/8 (54)

Additional Specifications: Spindle Thread 3/8"-24 Female • Air Inlet Thread 1/4" NPT • Hose Size 1/4" (6 mm)

DRILL

Air Powered

Rear Exhaust

MODEL 53435

3,200 RPM

- For 1/4"-28 threaded drill bits.
- Angle-height only 2-1/4" (57 mm).
- Lever throttle.

Model 53435



Accepts threaded bits, sold separately.



Model Number	Motor HP (W)	Motor RPM	Sound Level	Maximum Air Flow CFM/SCFM (LPM)	Air Pressure PSIG (Bars)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53435	.4 (298)	3,200	84 dB(A)	3/21 (595)	90 (6.2)	1.9 (.9)	7 (178)	2-1/4 (57)

Additional Specifications: Air Inlet Thread 1/4" NPT • Hose Size 1/4" (6 mm)

MINI-DYNORBITAL® SANDING HEADS AND DISC PADS

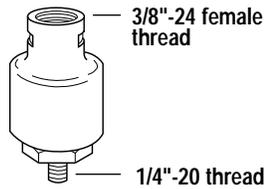
Greatly Enhance Versatility of Mini-Dynorbital® Sander Models

Sanding Heads

MODEL 54034

For 1/4"-20 Female Thread Pads

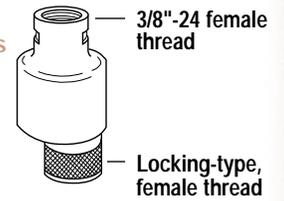
- Accepts 3" (76 mm) and smaller diameter sanding pads with 1/4"-20 female thread.
- Standard on Model 53417.



MODEL 54035

For Male Locking-Type Thread Pads

- Accepts 3" (76 mm) and smaller dia. sanding pads with male locking-type threads such as 3M Roloc.
- Standard on Model 53415.



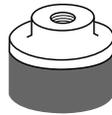
Roloc is a registered trademark of 3M Company.

Disc Pads All pads are 5,000 RPM maximum.

54085 and 54086

"Very Soft" Density

- 1/4"-20 Female Thread, 3/8" (10 mm) Sponge.



Part Number	Pad Dia. Inch (mm)	Description/Face	Thread Type	Comments
54085	3/4 (19)	Medium/Rubber	1/4"-20 Female	For PSA Discs
54086	1-1/4 (32)	Medium/Rubber	1/4"-20 Female	For PSA Discs

54031

"Soft" Locking-Type Pad

- For optional 54035 Sanding Head.
- Standard on Model 53415.
- Locking-type male thread, sponge, foam facing.

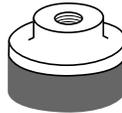


Part Number	Pad Dia. Inch (mm)	Description/Face	Thread Type	Comments
54031	1-1/4 (32)	Soft	Locking-Type	For PSA Discs

54087 and 54088

"Soft" Density

- 1/4"-20 female thread 1/4" (6 mm) sponge, vinyl face.

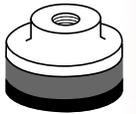


Part Number	Pad Dia. Inch (mm)	Description/Face	Thread Type	Comments
54087	3/4 (19)	Soft/Vinyl	1/4"-20 Female	For PSA Discs
54088	1-1/4 (32)	Soft/Vinyl	1/4"-20 Female	For PSA Discs

54017 and 54018

"Medium" Dual-Density

- 1/4"-20 female thread 1/4" (6 mm) sponge, 60 duro rubber.



NOTE: Order vinyl-face pads 54091 or 54092 for wet sanding operations.

Part Number	Pad Dia. Inch (mm)	Description/Face	Thread Type	Comments
54017	3/4 (19)	Medium/Rubber	1/4"-20 Female	For PSA Discs
54018	1-1/4 (32)	Medium/Rubber	1/4"-20 Female	For PSA Discs

54089 and 54090

"Hook 'n Loop"

- For use with abrasive impregnated non-woven nylon discs.
- 1/4"-20 female thread.



Part Number	Pad Dia. Inch (mm)	Description/Face	Thread Type	Comments
54089	3/4 (19)	Hook 'n Loop	1/4"-20 Female	Non-Woven Nylon Discs
54090	1-1/4 (32)	Hook 'n Loop	1/4"-20 Female	Non-Woven Nylon Discs

TECH TIPS Visit our updated web site www.dynabrade.com. The new site is designed to support customers' desire to obtain information via the Internet. Looking for tool information? By using the product locator, you can view any one of our tools, including technical specifying information customers can use. Other upgrades include tool schematic parts pages and list pricing.

DYNASWIVEL® AIR LINE CONNECTOR

Never Fight an Air Hose Again!

For use with most air tools... grinders, sanders, glue guns, staple guns, drills, buffers, etc.

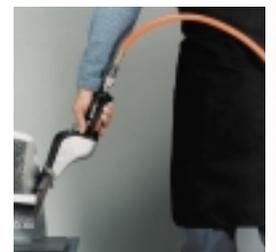
MODEL 94300

Composite Dynaswivel®

- The Dynaswivel is a patented "universal-joint" that connects portable air tools to an air line. (Patent No. D-295,552; D-295,553; D-317,818.)
- SWIVELS 360° AT TWO PIVOT POINTS allowing the air hose to drop directly to the floor while providing superb tool handling.
- The Dynaswivel improves tool maneuverability, minimizes operator fatigue and extends hose life.
- New lightweight, non-marring composite construction; industrial quality.
- Improved air flow.



Part Number	Thread Size Inch (mm)	Weight Ounces (kg)	Air Flow Range SCFM (LPM)
94300	1/4 NPT (6)	2.15 (.06)	Up to 33 (935)



The Problem ▲



The Solution ▲

GREASE

MODEL 95542

10 oz. (283.5 g) Great Tube

- Multi-purpose grease for all types of bearings, cams, gears.
- High film strength; excellent resistance to water, steam, etc.
- Workable range 0° F to 300° F.

MODEL 95541

Push-Type Grease Gun (One-hand Operation)

Model
95542



TECH TIPS

95848 Gear Oil and 95541 Grease/Oil Gun are included with each tool purchase.

- Formulated for Dynabrade geared tools utilizing a wick-type lubrication system.
- Easy to apply using Dynabrade P/N 95541 Oil Gun.

IMPORTANT MAINTENANCE NOTE:

Apply 2 plunges into lubrication fitting (see photo on the right) every 8 hours of operation. Failure to lubricate with 95848 Dynabrade Gear Oil will cause premature gear failure and void warranty. **DO NOT USE** any other type of gear lubricant in these tools.



FILTER-REGULATOR-LUBRICATOR

Cost-Effective Solutions for Air Supply Systems

MODEL 11405

40 SCFM (1,333 LPM) @ 100 PSIG (6.9 Bars)

- Provides accurate air pressure regulation, two stage filtration of water/contaminants and lubrication of pneumatic components.
- Complete FRL Models include two 11412 Modular Connectors.
- Filter contains a 20 micron primary filter element.
- Regulator features safety-lock knob for maintaining accurate air pressure regulation.
- Lubricator features adjustable oil drop to meter the amount of oil into the air system.



Model
11405

TECH TIPS

The supply of air must be free of contamination. The types of contamination that need to be eliminated are water (condensation produced by the temperature change while compressing the air), rust scale (rust particles produced inside iron pipes), and atmospheric dust, (dust that is pulled into the compressor from the work environment).

Lubrication (oil) through the air supply is important for rotary vane style air motors. Supplying oil reduces friction and wear of the moving parts while providing a protective coating for steel components.

94994 OVERHOSE ASSEMBLY

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.



COATED ABRASIVE DISCS

For Mini-Dynorbital® Sanders

ALUMINUM OXIDE

3/4" (19 mm) Dia.
Micro-Finishing Film
PSA Discs

Part No.	Grit
93183	1000

1-1/4" (32 mm) Dia.
Micro-Finishing Film
PSA Discs

Part No.	Grit
93191	1000

SILICON CARBIDE

3/4" (19 mm) Dia.
PSA Discs

Part No.	Grit
93271	80
93272	120
93274	180
93275	220

1-1/4" (32 mm) Dia.
PSA Discs

Part No.	Grit
93280	80
93281	120
93283	180
93284	220

NON-WOVEN NYLON DISCS

3/4" (19 mm) Dia. Hook 'n Loop Discs

Part No.	Grade (Grit Equivalent)
90856	Very Fine (220-320)
90858	Medium (150-180)

1-1/4" (32 mm) Dia. Hook 'n Loop Discs

Part No.	Grade (Grit Equivalent)
90860	Very Fine (220-320)
90862	Medium (150-180)



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