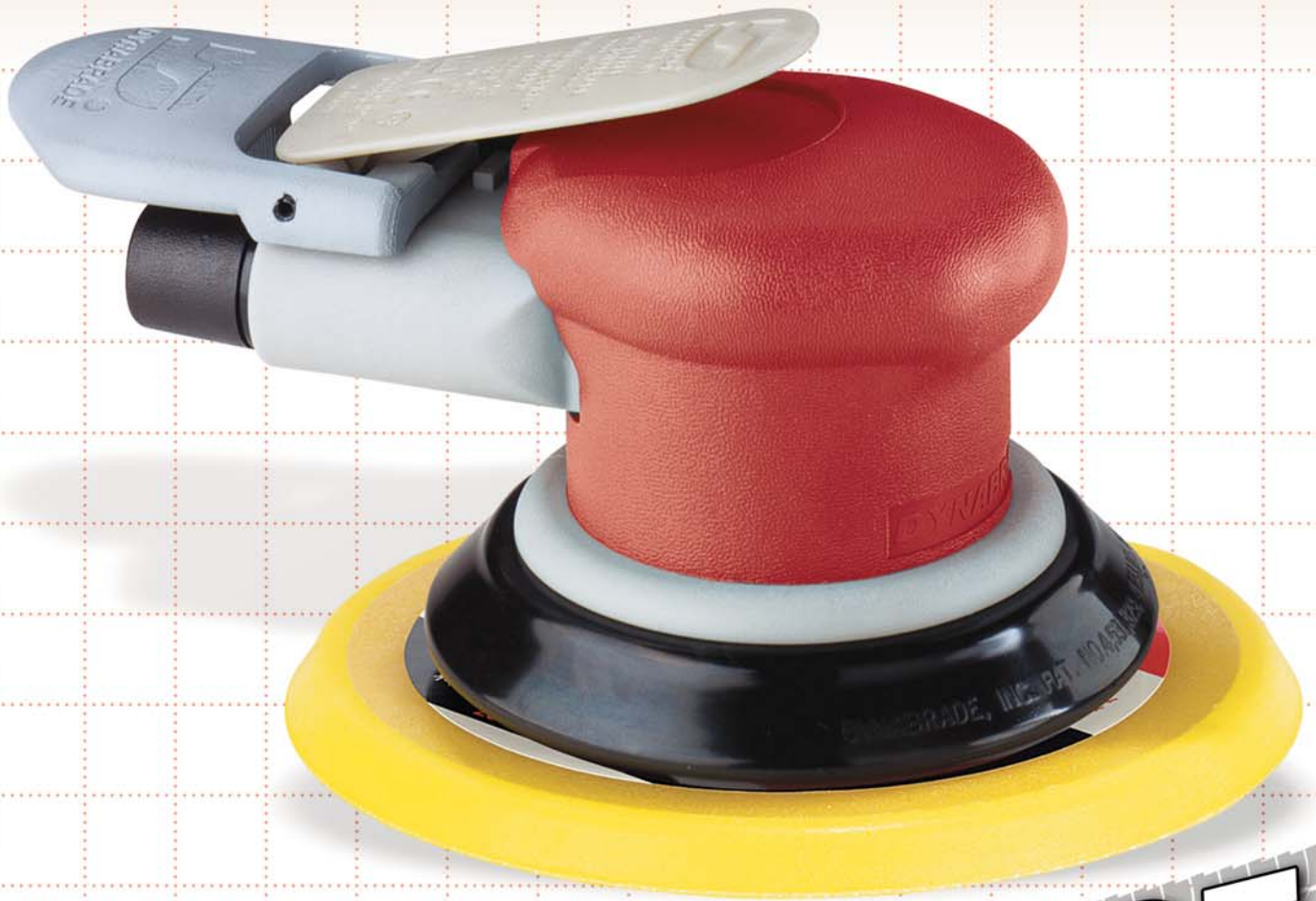




Reorder No. EUR07.18

Dynorbital-Spirit®



READY TO RACE

www.dynabrade.com

Dynorbital-Spirit®

READY TO RACE

Features and Details Explained...

Ergonomic Grip

The shape of the housing conforms to operator's hand for proper wrist position required for greater operator comfort and control.

Composite Lever

Insulates cold. When the palm-conformed lever is activated, it becomes recessed into the housing thus eliminating a "pinch point" on the sensitive area of the palm.

Comfort Platform

Provides additional hand and wrist support as well as increased protection against cold air exhaust.

Less Vibration

Composite base has integrated full-rubber over-mold creating a non-slip insulated feel.

Low Sound Levels

New muffling system reduces sound levels to as low as 78 dB(A). Easy to replace muffler inserts.

Perfectly Balanced Pad The Best in the Industry!

Perfectly-balanced weight-mated pad: the ultimate in swirl-free finishes!

89 mm (3-1/2") – 80 grams
127 mm (5") – 100 grams
152 mm (6") – 130 grams

Double Row Balancer Bearing

New and innovative bearing seals protect high-quality bearings from sanding residue and reduce bearing temperature for longer bearing life.

Custom-Engineered Cylinder

Custom-engineered, high-strength cylinder provides longer life for less maintenance.

One-Piece Speed Control Dial

Standard on all models. Adjustable side dial maintains user desired speed: variable 4,000 - 12,000 RPM.

Lip-Seal Shroud

Correct spacing between shroud and pad allows for the most efficient operation of the tool on the work surface. Protects operator from moving sanding pad and enhances dust collection on vacuum models.

LESS WEIGHT

- Non-vacuum model weighs just 0.6 kg (1.3 lbs.), lighter than any other comparable sander.

LOW-PROFILE DESIGN

- Only 89 mm (3-1/2") high. Improves control, provides greater operator visibility and allows pad to be used flat on the work surface for better finishes.

Color-Coded Levers Quickly Identify your Choice of Three Different Orbits

2.5 mm (3/32") Diameter Orbit	5 mm (3/16") Diameter Orbit	10 mm (3/8") Diameter Orbit
FOR ULTRA-FINE SANDING	FOR GENERAL SANDING	FOR AGGRESSIVE SANDING
 Black Lever 	 Grey Lever 	 Blue Lever 
PAINTER'S TOOL		BODYMAN'S TOOLS

Dynorbital-Spirit®

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All Models Feature our Premium Weight-Mated, Hook-Face Sanding Pad

Non-Vacuum

► May be converted to a vacuum tool with kit – see back page.

Pad Diameter	2.5 mm (3/32") Orbit Models (Pad)	5 mm (3/16") Orbit Models (Pad)	10 mm (3/8") Orbit Models (Pad)
76 mm (3")	21040 (56087)	21020 (56087)	21000 (56087)
89 mm (3-1/2")	21045 (54313)	21025 (54313)	21005 (54313)
127 mm (5")	21050 (54325)	21030 (54325)	21010 (54325)
152 mm (6")	21055 (54327)	21035 (54327)	21015 (54327)



Self-Generated Vacuum

► Includes portable self-contained dust collection system (p/n 50617).

Pad Diameter	2.5 mm (3/32") Orbit Models (Pad)	5 mm (3/16") Orbit Models (Pad)	10 mm (3/8") Orbit Models (Pad)
76 mm (3")	21041 (56087)	21021 (56087)	21001 (56087)
89 mm (3-1/2")	21046 (54313)	21026 (54313)	21006 (54313)
127 mm (5")	21051 (54326)	21031 (54326)	21011 (54326)
152 mm (6")	21056 (54328)	21036 (54328)	21016 (54328)



Central Vacuum

► Has 25 mm (1") dia. vacuum port for easy central vacuum hook-up.

Pad Diameter	2.5 mm (3/32") Orbit Models (Pad)	5 mm (3/16") Orbit Models (Pad)	10 mm (3/8") Orbit Models (Pad)
76 mm (3")	21044 (56087)	21024 (56087)	21004 (56087)
89 mm (3-1/2")	21049 (54313)	21029 (54313)	21009 (54313)
127 mm (5")	21054 (54326)	21034 (54326)	21014 (54326)
152 mm (6")	21059 (54328)	21039 (54328)	21019 (54328)



Motor W (hp)	Motor RPM	Sound Level	Max. Air Flow CFM/SCFM (LPM)	Spindle Thread	Air Pressure Bar (PSIG)	Weight (Non-Vac/Vac) kg (lb.)	Length (Non-Vac/Vac) mm (Inch)	Height mm (Inch)
186 (.25)	12,000	78 dB(A)	2/14 (396)	5/16"-24	6.2 (90)	0.6 (1.3) to 0.7 (1.6)	152 (6) to 229 (9)	89 (3.5)

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

HiVac Dynorbital-Spirit®

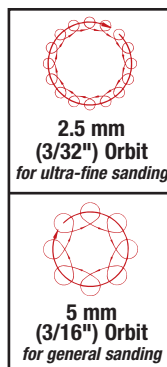
- The combination of our unique shroud design and 3-hole sanding pad provides enhanced collection of dust and debris.
- The random orbital action enables operator to achieve swirl-free finishes.
- Tool has 25 mm (1") diameter vacuum port and accepts 76 mm (3") diameter sanding pads.

Self-Generated Vacuum

Orbit Diameter	Model Number (Hook-Face Pad)
2.5 mm (3/32")	21069 (56144)
5 mm (3/16")	21068 (56144)

Central Vacuum

Orbit Diameter	Model Number (Hook-Face Pad)
2.5 mm (3/32")	21071 (56144)
5 mm (3/16")	21070 (56144)



Model Number	Motor W (hp)	Motor RPM	Max. Air Flow CFM/SCFM (LPM)	Spindle Thread	Air Pressure Bar (PSIG)	Hose I.D. Size mm (Inch)	Air Inlet Thread	Weight kg (lb.)	Length mm (Inch)	Height mm (Inch)
21068/21069	186 (.25)	12,000	2/14 (396)	5/16"-24	6.2 (90)	6 (1/4)	1/4" NPT	0.6 (1.3)	197 (7-3/4)	95 (3-3/4)
21070/21071	186 (.25)	12,000	2/14 (396)	5/16"-24	6.2 (90)	6 (1/4)	1/4" NPT	0.6 (1.3)	166 (6-1/2)	95 (3-3/4)

Repair and Accessories

READY TO RACE

Repair and Tune Up

Replacement Drop-In Motors

For Dynorbital-Spirit®

- Quick and easy replacement; no motor adjustments needed.
- Follow maintenance procedures described in parts page.



Diameter Orbit	76 mm (3") Dia. Models	89 mm (3-1/2") Dia. Models	127 mm (5") Dia. Models	152 mm (6") Dia. Models
10 mm (3/8")	59450	59450	59453	59456
5 mm (3/16")	59451	59451	59454	59457
2.5 mm (3/32")	59452	59452	59455	59458

57098 Full Service Repair Kit

- Special tools for proper disassembly/assembly of the Dynorbital-Spirit®.
- Includes: repair collar, lock ring wrench, bearing pullers, bearing press tool and hex wrench



59459 Drop-In Motor Repair Kit

- Special tools for proper disassembly/assembly of the Dynorbital-Spirit® drop-in motor.
- Includes: repair collar and lock ring wrench



96510 Tune-Up Kit

- Tune-up kit contains high and medium wear parts.



50679 Wrench

- Replacement 26 mm open-end wrench for changing sanding pads.



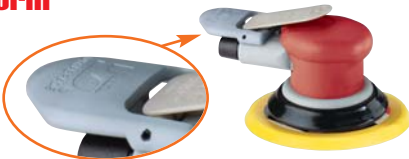
59293 Offset Wrench

- Replacement 26 mm offset, open-end wrench for changing sanding pads on the Hi-Vac Dynorbital Spirit®.

59330 Comfort Platform

For Dynorbital-Spirit®

- Provides additional hand and wrist support and increased protection against cold air exhaust.



Accessories

Brush Ring

Part Number 72616

- Plastic ring with angled brushes fits into the lip seal shroud of Dynabrade's 127 mm (5") and 152 mm (6") Palm-Style Random Orbital Sanders. Pressure is adjustable by using 0.4 mm plastic washers (P/N 95859).



- Reduces spinning of pad and decreases risk of abrasive aggressiveness.
- Improves dust collection.
- Spinning stops quicker when throttle lever is released.

Vacuum Conversion Kits

For use with Dynorbital-Spirit® and Dynorbital® Supreme

- Pad diameter determines which kit is right for your tool.

- Conversion kit allows user to change tool into desired vacuum configuration.



Part Number 57120

Pad Diameter	Converts Tool to	Kit Part Number
89 mm (3-1/2")	Vacuum Ready	57118
89 mm (3-1/2")	Central Vacuum	57119
127 mm (5")	Vacuum Ready	57120
127 mm (5")	Central Vacuum	57121
152 mm (6")	Vacuum Ready	57122
152 mm (6")	Central Vacuum	57123

Vacuum Overskirts

- Optional vacuum overskirts available.

- 57084 – 76 mm (3") & 89 mm (3-1/2") Models
- 57086 – 127 mm (5") Models
- 57087 – 152 mm (6") Models



Overskirt Enhances Vacuum Pick Up!



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