

## MP4400 & MP4403 Series Random Orbital Sanders

Model Number		Back-up Pad / Sanding Pad Size	Free Speed rpm	Weight		Height		Length	
3/16"	3/32"			lb.	kgs.	in.	mm	in.	mm
<b>12,000 RPM – Non Vacuum</b>									
MP4400-03		3.5	12,000	1.56	0.71	3.33	84.58	5.11	129.79
MP4400-05†	MP4403-05†	5.0	12,000	1.62	0.73	3.33	84.58	5.48	139.19
MP4400-06†	MP4403-06	6.0	12,000	1.68	0.76	3.33	84.58	5.48	139.19
<b>12,000 RPM – Central Vacuum with Shroud</b>									
MP4400-35	MP4403-35HL	5.0	12,000	1.66	0.75	3.33	84.58	7.06	179.32
<b>12,000 RPM – Central Vacuum with Skirt</b>									
MP4400-15	MP4403-15	5.0	12,000	1.73	0.78	3.33	84.58	7.75	196.75
<b>12,000 RPM – Self Generated Vacuum, Floor Bag, Hose &amp; Skirt</b>									
MP4400-23		3.5	12,000	1.60	0.73	3.33	84.58	7.99	202.95
MP4400-25		5.0	12,000	1.73	0.78	3.33	84.58	8.33	211.58

**GENERAL**

Air Inlet 1/4" NPT  
 Min. Hose Size: 3/8"  
 Tool performance rated at 90 psi (620 kPa) air pressure.  
 All threads are 5/16"-24  
 Maximum SCFM: 17

**STANDARD EQUIPMENT**

Operating instructions & parts manual  
 3/8" low profile, medium density premium urethane back-up pad  
 Interchangeable grips (3): 70421900 – 2 1/2"  
 70422000 – 2 3/4"  
 70422100 – 3"

**OPTIONAL EQUIPMENT:**

Vac Hose 100704300  
 Spare Parts Kit 88004400  
 Rotor & Vane Kit 70444800  
 † Hook and Loop model available

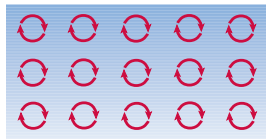


# Sanders

FINISHING

## MP4470 Series Orbital Sanders

- Lightest weight full size orbital sander in the world.
- Consumes less air than comparable tools—ideal for small shops with smaller compressors, yet can run economically in large industrial plants.
- Light weight & low vibration are benefits attributed to the use of high-strength polymer materials. All the qualities of metal without the weight.
- Patent pending pad suspension system that produces unmatched performance.
- 3/16" orbit pattern for fine finishing.
- 3 interchangeable grips (shipped standard with each tool) means less fatigue and greater user comfort no matter what the hand size.



MP4470-09

## MP4470 Series 3/16" Orbital Sanders

Model Number - 3/16"		Abrasive Size	Free Speed opm	Weight		Height		Length		Width		
Clip	PSA			lb.	kgs.	in.	mm	in.	mm	in.	mm	
<b>10,000 OPM - .24 hp (179 W) – Non Vacuum</b>												
MP4470-09			3 2/3" x 9"	10,000	2.28	1.03	3.94	100.01	6.88	174.63	3.53	89.69

**GENERAL**  
Air Inlet 1/4" NPT  
Min. Hose Size: 3/8"  
Tool performance rated at 90 psi (620 kPa) air pressure.  
Maximum SCFM: 16.3

**STANDARD EQUIPMENT**  
Operating instructions & parts manual  
3/8" low profile, medium density premium urethane back-up pad  
Interchangeable grips (3): 70421900 – 2 1/2"  
70422000 – 2 3/4"  
70422100 – 3"

**OPTIONAL EQUIPMENT:**  
Vac Hose 100704300  
Spare Parts Kit 70494300  
Rotor & Vane Kit 70493600

## Service Repair Tools

Not supplied with tool.



**Lock Ring and Spindle Puller**  
MP4400 & MP4403 Series **70420000**  
MP4470 Series **70505200**



**70420100**  
Service Clamp



**70420500**  
End Plate  
Bearing Tool



**70505200†**  
Sander Motor Removal

† Quotation required.



## Backup Pads For Random Orbital Sanders

### Low Profile Backup Pads for Random Orbital Sanders

A thinner, harder pad generally recommended for aggressive sanding and leveling of flat surfaces.

Diameter	Thickness	PSA Pads		Hook & Loop Pads	
		Non-Vacuum	Vacuum	Non-Vacuum	Vacuum
3-1/2"	3/8"	543025	543025	543026	543026
5"	3/8"	543017	543018	543019	543020
6"	3/8"	543021	543022	543023	543024



### Tapered Edge Backup Pads for Random Orbital Sanders

A thicker, softer pad generally recommended for contour sanding and feather edging.

Diameter	Thickness	PSA Pads
		Non-Vacuum
5"	3/4"	543041
6"	3/4"	543042



### Backup Pads for Orbital Sanders

PSA adhesion to tool eliminates the need for any tools when changing pads. Pad remains flat throughout full orbit at any speed.

Diameter	Thickness	PSA Pads		Hook & Loop Pads	
		Non-Vacuum	Vacuum	Non-Vacuum	Vacuum
3-2/3"x7"	3/8"	543011	543013	543012	543014†



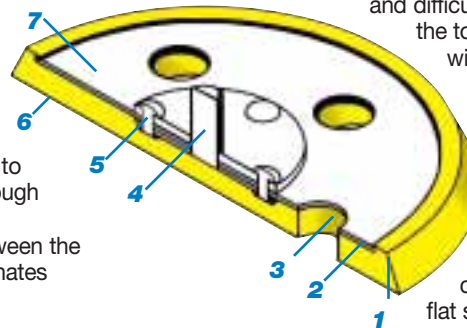
† Quotation required.

## All Pads Are Not Created Equal

The backing pad is a very important interface between the tool and your work. A quality pad performs three main functions. First, it provides a flexible, yet flat surface to mount the abrasive to the tool. Second, a quality pad has a controlled weight and mass that balances with your tool and allows the tool to operate with minimum vibration. Third, a quality pad will be long lasting. The difference between quality pads and other pads can be seen in their components and construction.

### Our quality pads have:

- 1 A specially designed, environmentally friendly, molded polyurethane foam**, that dampens vibration to prevent your tool from bouncing, yet is flexible and tough enough to withstand the rigorous operation of dual-action random orbit sanders. A permanent bond between the polyurethane and other components of the pad eliminates separation problems.
- 2 A rugged thermoset fiberglass epoxy backing**, that withstands the abuse of heat, flexing and impact, to keep the pad running flat and true for a long time. Aluminum backings bend from impact and lose their flatness, while heat and flexing cause molded plastic backings to warp, distorting the face of the pad. A pad that is not flat causes vibration which fatigues the user and prevents creating a professional finish.
- 3 Full 1/2" diameter vacuum holes** that match standard paper and allow maximum performance of your tools' vacuum system.



**4 A durable welded and plated stud assembly on random orbital pads.** Welding assures a permanent alignment between the pad and the tool. Plating assures easy pad removal by preventing corrosion.

**5 A stud assembly that is rigidly attached to the backing with four rivets on random orbital pads.** Stud assemblies that are molded in place can loosen and strip, causing poor performance and difficulties when removing the pad from the tool. A large, flat, raised steel washer with a four rivet attachment forms an ideal distributor of stress. This assures perfect alignment with all tools, and allows the pad to remain in service for a long time.

**6 An embossed vinyl facing or hook facing** that is intimately molded with the polyurethane to create a permanent durable and flat surface. Embossed vinyl facings offer maximum adhesion with PSA style paper while operating the tool, yet allow quick and easy replacement. Quality hook facings also offer secure adhesion yet quick and easy removal.

**7 Strict tolerance on weight, balance, roundness, and flatness.** A pad that is not the correct weight, out of round, out of balance, or uneven causes vibrations which fatigue the user and prevents creating a professional finish. Strict tolerances assure you that each pad performs consistently for a long time.

