

DOTCO®

It's the new Dotco 12-18 Series of Random Orbital & Orbital Sanders

These new sanders are low profile,
lightweight, low vibration, and will
comfortably fit every hand in your plant.



12L1820-05





12L1850-09






COOPER Tools

12-18 Series Random Orbital Sanders

Nominal Motor Power
0.24 hp / 0.18 kW

- Low profile for more sanding control
- Lightest weight to reduce operator fatigue
- Extremely efficient built-in vacuum system with swivel hose fittings
- 3/16" random orbital pattern 
- 3 interchangeable grips to fit all hand sizes 



Model Number		Sanding Pad Size	Free Speed rpm	Weight		Height		Length	
PSA	Hook & Loop			lb.	kgs.	in.	mm	in.	mm
12-18 Series – 3/16" Random Orbital Sander – Non Vacuum									
	12L1820-03	3.5"	12,000	1.56	0.71	3.33	84.58	5.11	129.79
	12L1820-05	5.0"	12,000	1.62	0.73	3.33	84.58	5.48	139.19
	12L1820-06	6.0"	12,000	1.68	0.76	3.33	84.58	5.48	139.19
12-18 Series – 3/16" Random Orbital Sander – Central Vacuum, Vacuum Attachment & Shroud									
	12L1820-15	5.0"	12,000	1.73	0.78	3.33	84.58	7.75	196.85
	12L1820-16	6.0"	12,000	1.90	0.86	3.33	84.58	7.75	196.85
12-18 Series – 3/16" Random Orbital Sander – Self-Generated Unit with Vacuum Hose & Floor Bag									
	12L1820-25	5.0"	12,000	1.73	0.78	3.33	84.58	8.33	211.58
	12L1820-26	6.0"	12,000	1.80	0.82	3.33	84.58	8.84	224.54

GENERAL:

Air Inlet: 1/4" NPT - Use 1/4" (6.4mm) I.D. Hose
All tools performance rated @90 psi (620 kPa) air pressure
Air Flow: 16 SCFM (453 LPM)
Power: 0.24 hp (179 W)

STANDARD EQUIPMENT:

Operating instructions & parts manual.
Random Orbital Models – 3/8" low profile medium density premium urethane back-up pad.
Interchangeable grips (3).

OPTIONAL EQUIPMENT

5", 3/32" orbit pattern models available upon request.
See back page for back-up pads.

Rapid Select

Models indicated with the **Rapid Select** icon represent our most popular tools, and are available for fast delivery on limited quantities.



12-18 Series Orbital Sanders

Nominal Motor Power
0.24 hp / 0.18 kW

- Lightest weight full size orbital in the world
- Full 10,000 OPM with more power and faster cutting than any equivalent machine
- Patent pending pad suspension system that produces unmatched performance
- 3 interchangeable grips to fit all hand sizes
- 3/16" orbital pattern



Model Number			Abrasive Size	Speed orbits/minute	Weight		Height		Length		Width	
Clip	PSA	Hook & Loop			lbs.	kg	in.	mm	in.	mm	in.	mm
12-18 Series 3/16 Orbital Sander Non-Vacuum												
	12L1850-09		3.66 x 9	10,000	228	1.03	3.94	100.01	6.88	174.63	3.53	89.69
	12L1850-07		12L1850-07HL	10,000	220	1.00	3.94	100.01	6.88	174.63	3.53	89.69
12-18 Series 3/16 Orbital Sander Central Vacuum												
	12L1850-17		12L1850-17HL	10,000	220	1.00	3.94	100.01	8.78	223.04	3.53	89.69
12-18 Series 3/16 Orbital Sander Self-Generated Unit with Vacuum Hose & Floor Bag												
	12L1850-27		12L1850-27HL	10,000	237	1.08	3.94	100.01	10.00	254.00	3.53	89.69

GENERAL:

Air Inlet: 1/4" NPT - Use 1/4" (6.4mm) I.D. Hose
All tools performance rated @90 psi (620 kPa) air pressure
Air Flow: 16 SCFM (453 LPM)
Power: 0.24 hp (179 W)

STANDARD EQUIPMENT:

Operating instructions & parts manual.
Orbital Models Back-up pad.
Interchangeable grips (3).

OPTIONAL EQUIPMENT

See back page for back-up pads.

Rapid Select

Models indicated with the *Rapid Select* icon represent our most popular tools, and are available for fast delivery on limited quantities.

Random Orbital & Orbital Sander Accessories

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" x 7"	3/8"	543011	543013	543012	543014



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:

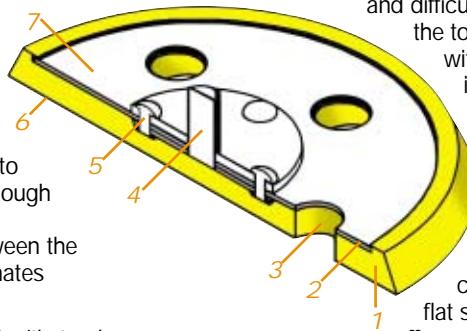
- 1 A specially designed, environmentally friendly, molded polyurethane foam**, that dampens vibration to prevent your tool from bouncing, yet are flexible and tough enough to withstand the rigorous operation of dual-action random orbit sanders. A permanent bond between the polyurethane and other components 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.



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Cooper Tools
 P.O. Box 1410
 Lexington, SC 29071-1410
 USA
 Phone: 803-359-1200
 Fax: 803-808-6735
www.dotco-tools.com