



Industrial Abrasives

[Products](#) | [Applications](#) | [Industries](#) | [Capabilities](#) | [Support](#)

[United States](#) > [Manufacturing](#) > [Industrial Abrasives](#) > [Abrasive Product Catalog](#) > [Power Tools](#) > [Random Orbital/Orbital Sanders](#) > 3M™ Random Orbital Sander 20317, 5 in Non-Vacuum 3/16 in Orbit, 1 per case

3M™ Random Orbital Sander 20317, 5 in Non-Vacuum 3/16 in Orbit, 1 per case

3M ID 60440126898 UPC# 00051141203171 Part Number 20317



Our 3M™ Non-Vacuum Random Orbital Sanders are air-powered and deliver professional performance and a swirl-free finish in high-product industrial environments where dust extraction is not required. Our high-quality tools are designed to optimize the performance of 3M™ abrasives.

- Precision-balanced steel workings run smoothly with less vibration, ideal for high production industrial environments
- Improved durability, ergonomics and noise level maximize comfort and control for prolonged use
- Pneumatic power exceeds the capability of standard electric sanders, supplying hours of continual use
- Aluminum body and durable composite cover reduce cracked housings and downtime
- Low-profile, balanced design optimizes the performance of 3M™ Abrasives

Overview

Engineered for performance and ergonomics, our family of 3M™ Non-Vacuum Random Orbital Sanders are loaded with features to reduce vibration and noise and provide greater wrist support and operator comfort. The comfortable rubber grip featuring proprietary 3M™ Gripping Material, curved-throttle alloy steel lever, and built-in wrist support provide comfortable control, while the recessed lever platform eliminates pinch and pressure points on the operator's palm. The speed control dial is conveniently located on the side and controlled with the thumb. We've also lightened the load with a composite cover that extends to the base to absorb and reduce vibration and keep these tools in service by preventing cracked housings. An innovative internal muffler helps reduce noise and won't break off.

3M™ Stikit™ Disc Pad Included

We also include the 3M™ Stikit™ Disc Pad with these sanders. These pads reduce vibration, provide excellent disc adhesion, and are designed to bring out optimal performance of these tools. The Stikit™ system allows quick and easy disc removal. This Stikit disc pad is made of medium density foam and has a 45 degree tapered edge. Stikit discs are sold separately. These versatile sanders also work great with 3M™ Hookit™ Disc Pads, enabling operators to use our line Scotch-Brite™ Surface Conditioning Discs as well.

Why use a 3M™ Random Orbital Sander?

Our random orbital sanders optimize sanding and surface preparation on many surfaces, including wood, metal prep for paint, fiberglass, composite materials, and many other substrates. Also known as dual action (D/A) sanders, these industrial-grade tools rotate the abrasive disc and disc pad in two simultaneous overlapping oval patterns so no single abrasive particle follows the same path twice, resulting in a swirl-free finish, even when sanding against the grain.

Pneumatic sanders are also called air sanders and run on power generated by an air compressor. These include non-vacuum (NV), central vacuum (CV), and self-generated vacuum (SGV) models. Non-vacuum models such as these are not connected to a vacuum system and are used in applications where dust extraction is not a concern.



Metal fabrication application



Specifications

Airflow Rate	17 SCFM
Airflow Rate (metric)	481 LPM
Applications	Grinding, Finishing, Sanding
Brand	3M™
Converted Form	Power Tool
Equipment - Machines	Random Orbital Sanders
Height	3.26 Inch
Height (Metric)	82.9 mm
Industries	Marine, Metalworking, Transportation & Heavy Equipment, General Industrial, Paint Preparation, MRO, Aerospace, AOEM, Woodworking, Composite
Length	5.89 Inch
Length (Metric)	149.6 mm
Max RPM	12000
Mineral Type	Aluminum Oxide
Motor HP (W)	.28 (209)
Orbit Diameter	0.18 Inch
Orbit Diameter (metric)	5 mm
Pad Included	Stikit™ Pad 20351
Power Type	Pneumatic
Product Form	Power Tool
Sub Industries	Primary Wood and Panel Processing, Custom Woodworking and Millwork, Cabinetry, Furniture, Metal Fabrication
Weight Pound (kg)	1.65 (.75)