



3M  
TRADE MARK

# 3M Air Tools

## Disc Sanders

### 3M™ Air Powered Disc Sanders

3M Disc Sanders are packed with ergonomic comfort features and ideal for small scale grinding and deburring applications as well as paint prep and weld burn clean-up. 3M Disc Sanders have a lightweight, compact design and a 97-degree head that allows for greater wrist comfort and control. They also include a comfortable full coverage composite grip that absorbs vibration and moderates cold temperatures caused by air flow. In addition, the motor is precision balanced to ensure smoother and quieter operation over that of competitive sanders.



Part Number	Tool Dia. (mm)	Motor Hp (W)	Max. RPM	Weight lbs (kg)	Ordering Code
20232	82 × 209	1 (744)	15,000	1.97 (.89)	60440243503
20231	63 × 172	0.5 (372)	20,000	0.30 (0.59)	60440242448

## Die Grinder

### 3M™ Air Powered Die Grinders

3M Die Grinders are straight-shaft tools ideal for heavyweight applications such as stock removal and weld leveling, and are designed for continuous use with features that enhance operator comfort and control. The precision-balanced steel motor reduces vibration and weight, while 3M Gripping Material on the body reduces vibration and enables a firm grip. Our 3M Die Grinder features an adjustable directional exhaust that allows airflow to be directed in any direction preferred, even toward the operator for cooling if desired.



Part Number	Tool Dia. (mm)	Motor Hp (W)	Max. RPM	Weight lbs (kg)	Ordering Code
20238	6.35 Collet	1 (744)	18,000	1.69 (.77)	60440243198
20240	6.35 Collet	1 (744)	8,000	2.06 (0.93)	60440243495

Angle  
Grinders

Sanders

Hand  
Sanding

Belt  
Machines

Die  
Grinders

Flillet Weld  
Grinders

Bench  
Motors

3M  
Air Tools

3M  
Accessories

Tapes &  
Adhesives

Paint  
Finishing

Safety

# Cut off Tool

## 3M™ Cut Off Wheel Tool

The 3M Cut-Off Wheel Tool has been engineered for operator comfort in demanding metal cutting applications, featuring 3M Gripping Material on the grip for a secure hold and enhanced control with less effort. A 360° rotatable safety guard provides maximum surface visibility and a safety lever throttle helps prevent accidental starting.



Part Number	Tool Dia. (mm)	Motor Hp (W)	Max. RPM	Weight lbs (kg)	Ordering Code
20233	76	1 (744)	25,000	2.09 (0.95)	60440243172

# File Belt Sander

## 3M™ File Belt Sander Kit

Kit includes 2 arm attachments \*PN 28368 & 28370) and a moulded case. Great solution for leveling, blending and finishing especially inside right angle welds.



Product Number	Motor Hp	Max. RPM	Belt Speed SFPM (SMM)	Weight kg	Length (mm)	Height (mm)	Width (mm)	Ordering Code
28367	0.6	22,000	4990 (1521)	1.3	370	75	151.2	60440236697

# Orbital Sanders

## 3M™ Elite Random Orbital Sanders – Non Vacuum Systems

Our line of 3M Elite Non-Vacuum Random Orbital Sanders combine durable, lightweight construction and operator ergonomics around a powerful precision-balanced motor for professional performance and a swirl-free finish. Great for high production industrial environments where dust extraction is not required.

The Elite Random Orbital Sanders are loaded with features to reduce vibration and noise and provide greater wrist support and operator comfort. The speed control dial is conveniently located on the side and thumb-controlled. The lighter-weight tool has a composite cover that extends to the base to absorb and reduce vibration and keeps tools in service by preventing cracked housings, while the internal muffler helps reduce noise and won't break off. Optimized for sanding and surface preparation on many surfaces, including wood, metal prep for paint, fiberglass and composite materials and many other substrates.



Model Number	Tool Dia. (mm)	Orbit Dia. (mm)	Motor HP HP (W)"	Airflow Rate SCFM (LPM)	RPM	Pad Included	Ordering Code
28527	70 × 198	3.2	0.28 (209)	17 (481)	10,000	28531	60440238446
28496	75	2.5	0.28 (209)	17 (481)	12,000	20350	XA100001313
28494	75	5	0.28 (209)	17 (481)	12,000	20350	60410013563
28501	150	2.5	0.28 (209)	17 (481)	12,000	20354	60410013639
28460	150	5	0.28 (209)	17 (481)	12,000	20355	XA100001396
28499	150	8	0.28 (209)	17 (481)	12,000	20356	60410013613

# Orbital Sanders

## 3M™ Elite Random Orbital Sanders - Central Vacuum Systems

Our line of 3M Elite Central-Vacuum-Ready Random Orbital Sanders deliver professional, dust-free performance along with a swirl-free finish, hour after hour in high-production industrial environments where dust extraction is required.

Our Elite Central-Vacuum Sanders are best-in-class tools designed to optimize the performance of 3M abrasives. Built with a powerful, precision-balanced air-driven motors and durable lightweight aluminum housing, these ergonomically designed workhorses stand up to industrial production and reduce user fatigue for hours of comfortable operation.



Model Number	Tool Dia. (mm)	Orbit Dia. (mm)	Motor HP HP (W)	Airflow Rate SCFM (LPM)	RPM	Pad Included	Ordering Code
28505	75	2.5	0.28 (209)	17 (481)	12,000	20350	60410013670
28506	125	5	0.28 (209)	17 (481)	12,000	20353	60410013688
28509	150	2.5	0.28 (209)	17 (481)	12,000	20356	60410013712
28461	150	5	0.28 (209)	17 (481)	12,000	20465	XA100001404
28502	150	8	0.28 (209)	17 (481)	12,000	20356	60410013647

## 3M™ Elite Random Orbital Sanders - Self-Generating Vacuum Systems

Our line of 3M Elite Self-Generated Vacuum Random Orbital Sanders feature a self-generated vacuum (SGV) and deliver professional, dust-free performance and a swirl-free finish, hour after hour in high-production industrial environments where dust extraction is required. Our Elite Self-Generated Vacuum Sanders are best-in-class tools designed to optimize the performance of 3M abrasives. Built with a powerful, precision-balanced air-driven motors and durable lightweight aluminum housing, these ergonomically designed workhorses stand up to industrial production and reduce user fatigue for hours of comfortable operation.



Model Number	Tool Dia. (mm)	Orbit Dia. (mm)	Motor HP HP (W)	Airflow Rate SCFM (LPM)	RPM	Pad Included	Ordering Code
28529	70 × 198	3.2	0.28 (209)	17 (481)	10,000	28531	60440238479
28513	75	2.5	0.28 (209)	17 (481)	12,000	20350	XA100001321
28511	75	5	0.28 (209)	17 (481)	12,000	20350	60410013738
28517	150	2.5	0.28 (209)	17 (481)	12,000	20356	60410013795
28462	150	5	0.28 (209)	17 (481)	12,000	20465	XA100001412
28510	150	8	0.28 (209)	17 (481)	12,000	20356	60410013720
28562	150	10	0.28 (209)	17 (481)	12,000	20356	60410013829

## 3M™ Mini-Random Orbital Nib Sander

The 3M Mini Random Orbital Sander is a small, powerful tool for sanding small defects in painted surfaces. This lightweight 32mm dia. mini sander features a low-profile design that's ideal for sanding small areas instead of entire panels. A one-piece shaft balancer system reduces vibration. This sander works with 3M Roloc and 3M Stikit attachment systems for fast, easy pad and disc change-outs.



Model Number	Tool Dia. (mm)	Orbit Dia. (mm)	Motor HP HP (W)	Airflow Rate SCFM (LPM)	RPM	Pad Included	Ordering Code
20244	32	-	0.27 (201)	15 (425)	8,000	02345	60440241952

# Orbital Sanders

## 3M™ Orbital Sander - Non-Vacuum systems

The 3M Original Series Orbital Sanders are designed to maximize finishing performance on flat surfaces. Its 75 x100mm work face easily gets into corners and angles to deliver an exceptionally smooth, flat, professional surface on metal, wood, composites and advanced materials.



Model Number	Tool Dia. (mm)	Orbit Dia. (mm)	Motor HP HP (W)	Airflow Rate SCFM (LPM)	RPM	Pad Included	Ordering Code
20331	75 x 100	3.2	0.24 HP (179 W)	17 SCFM (481 LPM)	10,000	1.43 (0.65)	60440127037

## Accessories

### 3M™ Large Filter Bag

3M Filter bags for Random Orbital Sanders with Self-Generated Vacuum. Improves ease of use by eliminating the need for a vacuum hose to collect sanding dust.



Part Number	Size	Ordering Code
20452	N/A	60440236283

### 3M™ Filter Bag Adaptor

Used to attach vacuum hose to the 3M Random Orbital Sanders or to connect another hose. Attach 3M Clean Sanding Filter Bag to Self Generating Vacuum Orbital and Random Orbital Sanders. Has a 25mm external hose thread which attaches to 3M Sander and 25mm ID tubing with attaches to 3M Clean Sanding Filter Bag.



Part Number	Size	Ordering Code
20453	25mm	60440128308

## Technical Recommendations for 3M™ Air-Powered Tools

### Appropriate Air-lines:

Use a clean, dry, lubricated air supply that will give a measured air pressure at the tool of 6.2 bar (90 psi) when the tool is running with the lever fully depressed. Note: Tools can be run at lower pressures, but should never be run higher than 6.2 bar (90 psi). If run at a lower pressure, the performance of the tool is reduced.

Use an approved 10mm (3/8") or 13mm x 8m (1/2" x 25') maximum length airline.

Connect the tool to the air supply.

It is strongly recommended that an air filter, regulator and lubricator (FRL) be used to supply clean, lubricated air at the correct pressure to the tool. If such equipment is not used, the tool should be manually lubricated.

### To manually lubricate the tool:

Disconnect the airline and put 2 to 3 drops of suitable pneumatic motor lubricating oil, such as 3M™ Air Tool Lubricant 20451, into the hose end (inlet) of the tool.

Reconnect tool to the air supply and run tool for a few seconds to allow air to circulate the oil.

Lubricate daily if the tool is used frequently or if the tool starts to slow or lose power.

### Recommended Minimal Air Line Diameter

- 10mm: 3/8" • 13mm: 1/2"

### Recommended Maximum Hose Length

- 8m: 25'

### Recommended Maximum Working Air Pressure

- 6.2 bar (90 psig)

# 3M™ Elite Random Orbital Sanders

Premier comfort combined with long-lasting performance

3M's most innovative improvements for operations that are tough on tools through constant usage. The durability and operator ergonomics of 3M's Elite line of air tools will blow you away.

## Built to Last

- Durable composite cover reduces cracked housings and downtime.
- Sturdy, lightweight aluminum body
- No breakage of internally located muffler
- .28 HP for your biggest sanding jobs
- Repositioned air valve to eliminate inadvertent adjustment.

## Designed for Maximum Operator Comfort

- Ergonomically enhanced for less vibration, quiet operation, more wrist support and overall operator comfort.
- Lever is recessed, so no pinch points
- Extended-to-base grip for improved tactile feel and reduced vibration.

## ▶ Selecting the right tool

### Diameter

Select a 75mm, 125mm or 150mm diameter random orbital sander and same size disc pad for optimised tool balance and surface area coverage.

### Orbit of tool

Select the orbit that is matched to the application.

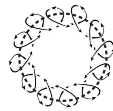
### Vacuum style

Choose from non-vacuum, self-generated vacuum or central vacuum models.



#### 8mm Diameter Orbit

For aggressive sanding



#### 5mm Diameter Orbit

For general purpose sanding



#### 2.5mm Diameter Orbit

For fine finish sanding



Non-Vacuum



Self-Generated Vacuum



Central Vacuum

Angle Grinders

Sanders

Hand Sanding

Belt Machines

Die Grinders

Fillet Weld Grinders

Bench Motors

3M Air Tools

3M Accessories

Tapes & Adhesives

Paint Finishing

Safety