

## 3M™ Metalworking Tools

3M™ Pneumatic Grinders, Disc Sander and Cut-Off Wheel Tool



# Bring Out The Power

Optimize the performance of your 3M™ Abrasives – with these powerful new tools from 3M. Designed to make your job faster, easier and more productive!

**3M**

# Engineered to give you more.

- ✓ More Power
- ✓ More Productivity
- ✓ More Cutting-Edge Abrasive Performance

Now you can tap in to the full potential of advanced 3M™ Abrasives – with a matching power tool lineup that re-writes the rules for metalworking performance and productivity!

The 3M™ Pneumatic Grinders, Disc Sander and Cut-Off Wheel Tools shown on these pages are the latest additions to the 3M™ Power Tool line. Each has been carefully designed to give you the highest possible level of performance from our next-generation abrasive products – including 3M™ Cubitron™ II Abrasives with proprietary precision shaped grain, proven to cut faster, cooler and up to 4 times longer than the next-best competitive abrasive.

These professional-grade tools are designed specifically to help you tackle today's tough metalworking challenges. Lightweight and powerful, with a high-torque, 1 HP motor, these tools are reliable, easy to control and easy for operators to use.

- **1 HP, high torque motor** – Allows operator to maintain higher unit pressure without stalling the tool. Grinds faster, for more parts per shift.
- **3/8" Air inlet with 1/4" reducer** – Improves tool performance, even with less than optimal compressed air delivery systems.
- **Polymer encased metal motor housing** – Provides stable temperature, for more operator comfort.
- **3M™ Gripping Material molded into tool housing** – Allows greater control with less gripping force.
- **Right angle steel gear head with grease fitting** – Helps extend gear life, improve reliability.
- **Removable & repositionable side handle** – Accommodates right-hand or left hand use. Allows operators to run the tool comfortably from any angle.
- **360 degree rotatable guard** – (on grinders and cut-off wheel tool) – Makes it easier to get into hard to reach areas. Provides 180 degrees of protection and better visibility of the work surface, for more operator safety.

Precision extension bearings for accurate motor extension alignment and added rigidity

Double upper shaft bearings provide improved shaft stability and longer bearing life

Steel gear head casing enhances durability under high-force applications

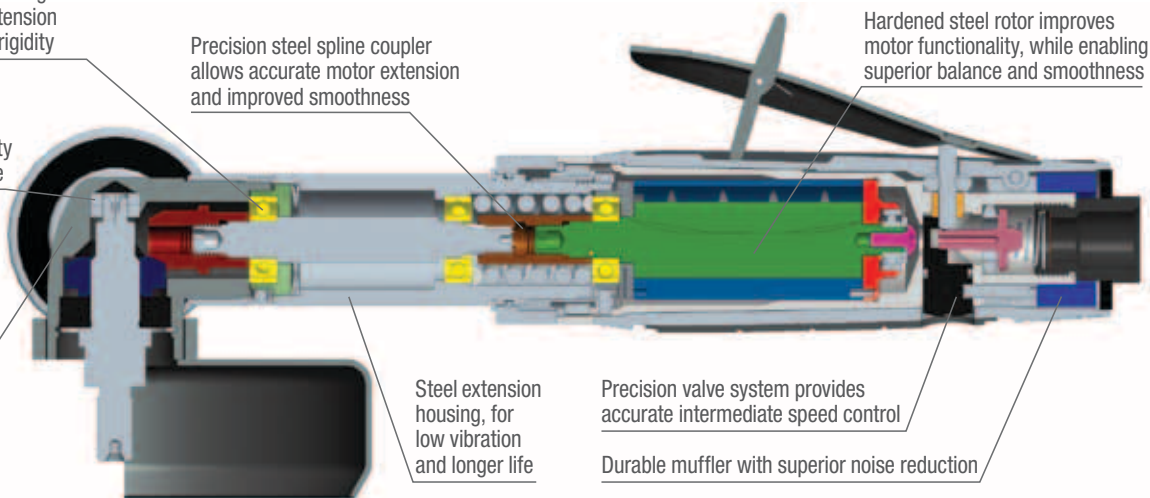
Precision steel spline coupler allows accurate motor extension and improved smoothness

Steel extension housing, for low vibration and longer life

Precision valve system provides accurate intermediate speed control

Durable muffler with superior noise reduction

Hardened steel rotor improves motor functionality, while enabling superior balance and smoothness



All tools are in stock and ready to ship!

### 3M™ Grinders – 4.5", 5/8-11 EXT

For use with 4.5" abrasive discs or wheels including:

- 3M™ Roloc™ Discs
- 3M™ Flap Discs
- Scotch-Brite™ Discs
- 3M™ Fibre Discs
- 3M™ Bonded Wheels

Tool	Part No.	UPC	Diameter	Thread	RPM	Motor	Air Inlet
T-27 Grinder 4.5", Standard	28405	051141-28405-7	4 1/2"	5/8-11 EXT	12,000	1 HP	3/8" NPT*
T-27 Grinder 4.5", Extended	28414	051141-28414-9	4 1/2"	5/8-11 EXT	12,000	1 HP	3/8" NPT*

\* Includes 3/8" to 1/4" reducer



Removable and repositionable side handle furnished with tool. Guard can be positioned for greater visibility of the work surface/area.

Use for general metal fabrication applications – grinding, blending, weld leveling, metal prep, pipe notching.

The extended version of the 4.5 inch grinder is ideal for hard to reach areas. The addition of a second grip places operator's hand further from the grinding area, for safer operation. Precision steel spline coupler provides accurate motor extension alignment and improved smoothness.

### 3M™ Grinders – 4", 3/8-24 EXT

For use with 4" abrasive discs or wheels including:

- 3M™ Roloc™ Discs
- 3M™ Bonded Wheels
- Scotch-Brite™ Discs
- 3M™ Fibre Discs

Tool	Part No.	UPC	Diameter	Thread	RPM	Motor	Air Inlet
T-27 Grinder 4", Standard	28403	051141-28403-3	4"	3/8-24 EXT	12,000	1 HP	3/8" NPT*
T-27 Grinder 4", Extended	28413	051141-28413-2	4"	3/8-24 EXT	12,000	1 HP	3/8" NPT*

\* Includes 3/8" to 1/4" reducer



Removable and repositionable side handle furnished with tool. Guard can be positioned for greater visibility of the work surface/area.

Applications include weld leveling/blending, metal prep, plasma cut clean-up. Commonly used in ship building and other metal fabrication applications that use smaller abrasives.

The extended version of the 4 inch grinder is ideal for hard to reach areas. The addition of a second grip places operator's hand further from the grinding area, for safer operation. Precision steel spline coupler provides accurate motor extension alignment and improved smoothness.

### 3M™ Disc Sander – 4-5", 5/8-11 EXT

For use with 4", 4 1/2" and 5" abrasive discs including:

- 3M™ Roloc™ Discs
- Scotch-Brite™ Discs
- 3M™ Fibre Discs

Tool	Part No.	UPC	Diameter	Thread	RPM	Motor	Air Inlet
Disc Sander	28408	051141-28408-8	4"-5"	5/8-11 EXT	12,000	1 HP	3/8" NPT*

\* Includes 3/8" to 1/4" reducer



Removable side handle furnished with tool. Ideal for general metal fabrication applications, including grinding, blending, weld leveling and metal prep. Also suitable for coating removal and metal prep using 4.5" bristle discs.

### 3M™ Cut-Off Wheel Tool, Extended – 4", 3/8-24 EXT

For use with 4" cut-off wheels

Tool	Part No.	UPC	Diameter	Thread	RPM	Motor	Air Inlet
Cut-Off Wheel Tool Extended	28407	051141-28407-1	4"	3/8-24 EXT	18,000	1 HP	3/8" NPT*

\* Includes 3/8" to 1/4" reducer



This right angle cut-off wheel tool with guard features a removable and repositionable side handle. Guard can be positioned for greater visibility of the work surface. Right angle steel extended gear head with grease fitting provides extended reach and increased gear life.

Commonly used in ship building and other metal fabrication applications where it is preferable to use 4 inch cut-off wheels at a right angle to the tool body.

# Warranty and Repair Service

3M™ Metalworking Tools

## For more information

Contact your 3M Distributor  
or 3M Sales Representative

▶ **Or Call 3M at 1-800-362-3550**

- Press Option 3  
(Product Complaints)
- Then Option 4 (for Abrasives  
Tools and accessories)

**Product Use:** All statements, technical information and recommendations contained in this document are based on tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the 3M product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

**Warranty and Limited Remedy:** 3M warrants this tool against defects in workmanship and materials under normal operating conditions for one (1) year from the date of purchase. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M tool is fit for a particular purpose and suitable for a user's application. User must operate the tool in accordance with all applicable operating instructions, safety precautions, and other procedures stated in the operating manual to be entitled to warranty coverage. 3M shall have no obligation to repair or replace any tool or part that fails due to normal wear, inadequate or improper maintenance, inadequate cleaning, non-lubrication, improper operating environment, improper utilities, operator error or misuse, alteration or modification, mishandling, lack of reasonable care, or due to any accidental cause. If a tool or any part thereof is defective within this warranty period, your exclusive remedy and 3M's sole obligation will be, at 3M's option, to repair or replace the tool or refund the purchase price.

**Limitation Of Liability:** Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



### Abrasive Systems Division

3M Center, Building 223-6N-02  
St. Paul, MN 55144-1000  
1-866-279-1235  
[www.3M.com/abrasives](http://www.3M.com/abrasives)

Please recycle. Printed in USA.  
© 3M 2011. All rights reserved.  
Issued: 5/11 8029HB  
61-5002-8297-7

3M, Cubitron, Roloc and Scotch-Brite  
are trademarks of 3M Company.  
Used under license by 3M subsidiaries  
and affiliates.