

# Alpha<sup>®</sup> Pneumatic 4" Extended Cut-Off Tool



**Part No: COTE-04**  
Version 2



**Safety Warning:** Always wear eye and respiratory protection as well as proper personal safety equipment when using this product. Comply with ANSI B7.1 and OSHA requirements.

 **Alpha Professional Tools**<sup>®</sup>

103 Bauer Drive, Oakland, NJ 07436 • 800-648-7229 • Fax: 800-286-0114  
[www.alpha-tools.com](http://www.alpha-tools.com)



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**For repair information call:**

Headquarters, Oakland, NJ — (800) 648-7229 ext.505

*Due to specially designed components this machine must be serviced only with genuine ALPHA® parts.*

## ► INTRODUCTION

Thank you for purchasing an Alpha® Pneumatic Extended Cut-Off Tool. A wide range of accessories help you perform many different tasks. For your safety, please read this manual thoroughly before you start operating this polisher.

## ► ABOUT THE SYMBOLS

According to the hazard level, all safety notes in this manual are classified into “DANGER”, “WARNING”, and “CAUTION”.

 **DANGER!** Death or serious personal injury is imminent when handling this tool incorrectly.

 **WARNING!** There is a possibility of death or serious personal injury when handling this tool incorrectly.

 **CAUTION!** There is a possibility of personal injury or property damage when handling this tool incorrectly.

**Note:** In some situations, failing to observe WARNING notes could result in death or serious personal injury. Be sure to read and observe the safety notes to ensure safety and correct use of the tool.

## ► SAFETY INSTRUCTIONS FOR POWER TOOLS

1. **KNOW YOUR POWER TOOL.** Read owner’s manual carefully. Learn its applications and limitations as well as specific potential hazards particular to this tool.
2. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
3. **AVOID DANGEROUS ENVIRONMENTS.** Keep work areas as dry as possible. Do not use tool in presence of flammable liquids or gases. Keep the area well lit.
4. **KEEP CHILDREN AND VISITORS AWAY.** All visitors should be kept a safe distance from the work area. Keep out of reach of children.

5. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
6. **WEAR PROPER APPAREL.** Do not wear loose clothing or jewelry as it can get caught in moving parts. Rubber gloves and insulated non-skid footwear are recommended. Wear protective covering to contain long hair.
7. **WEAR PROPER EYE PROTECTION.** All users and bystanders must always wear proper personal eye protection which conform with ANSI/ISEA Z87.1 (CAN/CSA Z94.3). Also use a face or dust mask if operation is dusty. Always wear certified safety equipment.
8. **WEAR PROPER EAR PROTECTION.** All users and bystanders must wear proper personal ear protection which conforms with ANSI S12.6 (S3.19) hearing protection.
9. **WEAR PROPER RESPIRATORY PROTECTION.** All users and bystanders must wear proper personal respiratory protection. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure.

**Warning:** Some dust created by power sanding, sawing, grinding, drilling, polishing and other construction activities contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

***Some examples of these chemicals are:***

- Lead from lead-based paints
- Crystalline silica from bricks, cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure, work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

To familiarize with the risks associated with a material, consult with your employer, manufacturer/supplier and government agencies regarding the hazards of the materials and their recommendations to protect yourself.

10. **ALWAYS SECURE WORK PIECE.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **DISCONNECT TOOLS WHEN NOT IN USE.** Always disconnect tool before servicing; when changing accessories.
13. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form a habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

14. **MAINTAIN TOOLS WITH CARE.** Keep tools clean at all times for best and safest performance.
15. **AVOID ACCIDENTAL STARTING.** Do not carry a “connected” tool, or make adjustments, or change blades without making sure the tool is disconnected from the air supply.
16. **USE ONLY RECOMMENDED ACCESSORIES.** The use of any accessories other than what is listed or recommended for this particular tool may be hazardous.
17. **KEEP HANDS AWAY FROM ALL MOVING PARTS.**
18. **USE SIDE HANDLES.** Supplied with tool for control and safety.
19. **STAY ALERT.** Watch what you are doing and use common sense. Do not operate tool when you are tired, or under the influence of medication or alcohol.

## ► **FEATURES**

Built-In Spindle Lock

Rear Exhaust

Built-In Cushion Grip

Push to Adjust Safety Guard

11 Position Adjustable Swivel Guard  
(126° Adjustable Range)

Powerful Motor (1.0 HP/0.7KW)

# COTE-04 OVERVIEW



Figure-1

## ► **SPECIFICATIONS:**

Free Speed .....	14,000 RPM
Cutting Disc Dimensions.....	4" (100mm) x 3/8" (10mm)
Air Inlet.....	1/4" NPT
Hose Size ID .....	3/8" (10mm)
Air Consumption .....	4 CFM (113 L/min)
Length.....	14-3/4" (377mm)
Weight.....	3.7 lbs (1.7kg)
Noise Level .....	85 dB(A)
Recommended Air Pressure .....	90 PSI (6.2 Bar)

► **REMOVAL/INSTALLATION OF THE BLADE**

**⚠ CAUTION!**

1. Press and hold the spindle lock. (See Fig. 2)

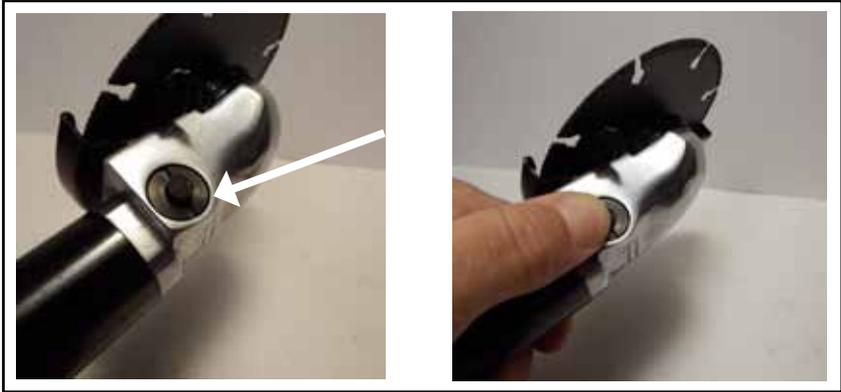


Figure-2

2. Insert the Hex Key Wrench inside the screw. (See Fig. 3)



Figure-3

► **REMOVAL/INSTALLATION OF THE BLADE**

**⚠ CAUTION!**

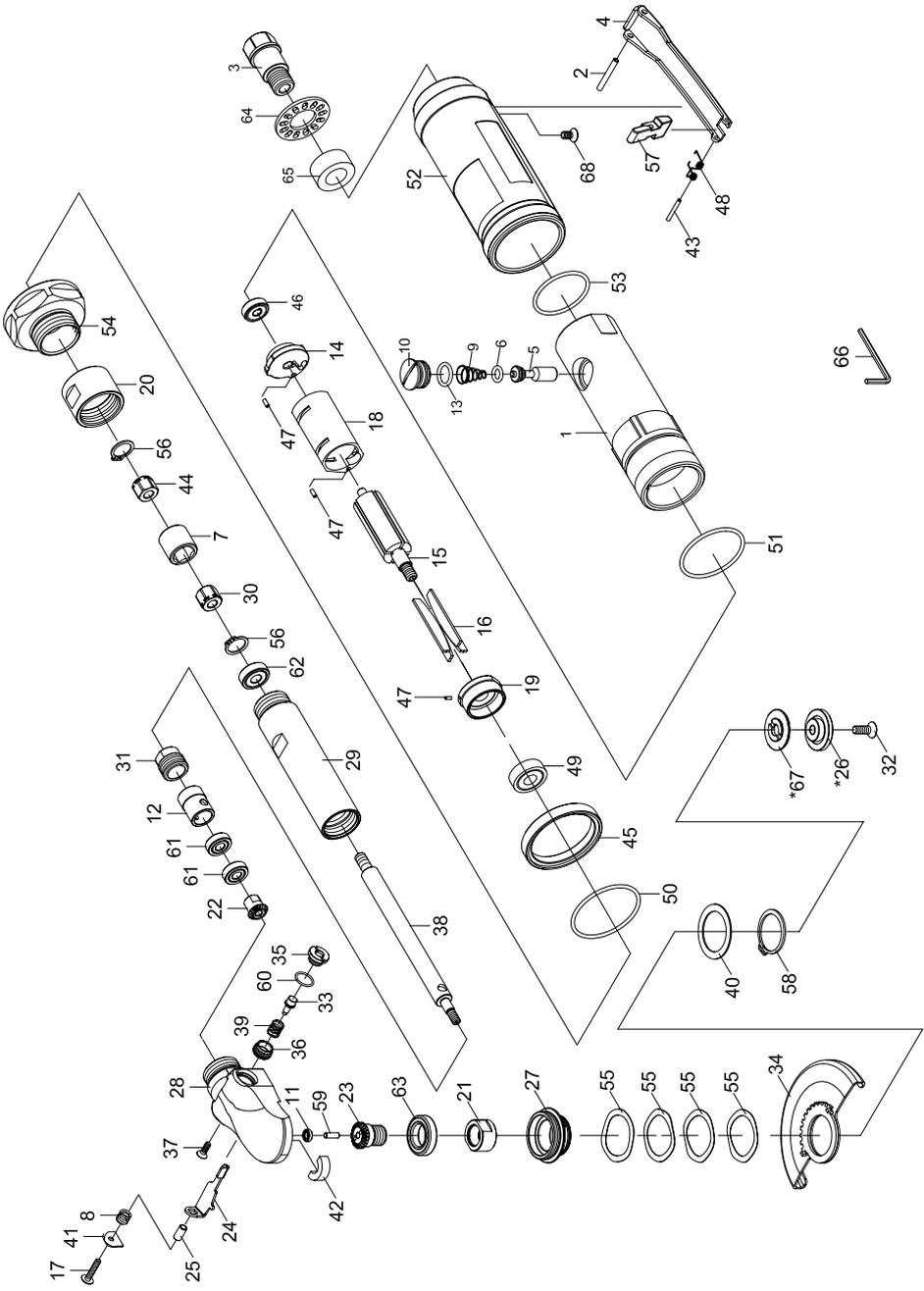
3. While continuing to hold the spindle lock button, turn the Hex Key Wrench in a counter clockwise rotation to loosen and remove the screw and flange from the spindle. (See Fig. 4)



Figure-4

***Reverse To Install New Blade***

# ALPHA® COTE-04 SCHEMATIC



# ALPHA® COTE-04 PARTS LIST

DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY
1	3011-0001	Motor Housing	1
2	3011-0002	Spring Pin (3X24L)	1
3	3011-0003	Air Inlet	1
4	3011-0004	Throttle Lever	1
5	3011-0005	Valve Shaft	1
6	3011-0006	O-Ring (4.8x1.9)	1
7	3011-0007	Connector	1
8	3011-0008	Spring	1
9	3011-0009	Valve Spring	1
10	3011-0010	Plug	1
11	3011-0011	Ball Bearing (684ZZ)	1
12	3011-0012	Bushing	1
13	3011-0013	O-Ring (11.8x2.4)	1
14	3011-0014	Rear End Plate	1
15	3011-0015	Rotor	1
16	3011-0016	Vane (4pc set)	1
17	3011-0017	Screw (M4x20L)	1
18	3011-0018	Cylinder	1
19	3011-0019	Front End Plate	1
20	3011-0020	Connector Nut	1
21	3011-0021	Lock Nut	1
22	3011-0022	Bevel Gear	1
23	3011-0023	Bevel Gear	1
24	3011-0024	Lock Bar	1
25	3011-0025	Bushing	1
26	3011-0026	Flange Nut (3/8")	1
27	3011-0027	Lock Nut	1
28	3011-0028	Front Housing	1
29	3011-0029	Connector Pipe	1
30	3011-0030	Nut	1
31	3011-0031	Lock Nut	1
32	3011-0032	Screw (M6x16L)	1
33	3011-0033	Stop Button	1
34	3011-0034	Disc Cover	1

# ALPHA® COTE-04 PARTS LIST

DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY
35	3011-0035	Button Seat	1
36	3011-0036	Nut	1
37	3011-0037	Screw (M4x12L)	1
38	3011-0038	Roller Shaft	1
39	3011-0039	Spring	1
40	3011-0040	Washer	1
41	3011-0041	Washer	1
42	3011-0042	Oil Felt	1
43	3011-0043	Spring Pin (Ø2x16L)	1
44	3011-0044	Nut	1
45	3011-0045	Decoration Ring	1
46	3011-0046	Ball Bearing (626ZZ)	1
47	3010-0017	Spring Pin (2.5x6)	3
48	3010-0042	Spring	1
49	3011-0049	Ball Bearing (6000zz)	1
50	3011-0050	O-Ring (40x2)	1
51	3011-0051	O-Ring (35.5x2)	1
52	3011-0052	Housing Cover	1
53	3011-0053	O-Ring (31.5x2)	1
54	3011-0054	Clamp Nut	1
55	3011-0055	Wave Washer	4
56	3011-0056	Retainer Ring	2
57	3011-0057	Safety Bar	1
58	3011-0058	Retaining Ring	1
59	3011-0059	Pin (4x11.8)	1
60	3011-0060	O-Ring (11.4x1.25)	1
61	3011-0061	Ball Bearing (698zz)	2
62	3011-0062	Ball Bearing (608zz)	1
63	3011-0063	Ball Bearing (6903ZZ)	1
64	3011-0064	Diffuser	1
65	3011-0065	Muffler	1
66	3010-0040	Hex. Key Wrench (4 mm)	1
67	3011-0067	Flange (3/8")	1
68	3011-0068	Screw (M4x8L)	1

## ► **ACCESSORIES AND FACTORY SERVICE**

All the accessories can be purchased at a local distributor in your area. For more information concerning Alpha® Pneumatic Extended Cut-Off Tool and factory service, please contact the Alpha® distribution centers listed below.

### **COMPANY HEADQUARTERS & REPAIR CENTER:**

Alpha Professional Tools®  
103 Bauer Drive  
Oakland, NJ 07436

Hours of Operation: 8:30 a.m. – 5:00 p.m. EST  
Telephone Number: 201-337-3343  
Toll-Free Number: 800-648-7229  
Website: [www.alpha-tools.com](http://www.alpha-tools.com)

## ► **WARRANTY**

### **Limited Warranty of Alpha® Pneumatic 4" Extended Cut-Off Tool (COTE-04) for USA and Canada ONLY!**

Alpha Professional Tools® warrants this product against defects in material and workmanship for a period of one year from the date of original retail purchase (proof of purchase required). If Alpha Professional Tools® receives notice of such defects during the warranty period, our obligation assumed under this warranty is limited to the repair or replacement of parts, without charge. This warranty does not apply to Alpha® accessories. Returns within the warranty period should be sent in freight prepaid to an Authorized Warranty Service Center.

#### **The warranty does not apply in situations where:**

- The tool has been misused, abused or improperly maintained
- Alterations or repairs were made by others
- Repairs due to normal wear and tear

Some States do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

**For Warranty Claims:** Send complete tool with all your information and details of the problem to an Authorized Warranty Repair Center, transportation prepaid. Do not send tool accessories.

**NOTE:** *Any tools purchased through an unauthorized distributor are not covered under warranty.*

# PRODUCT REGISTRATION CARD

Model No. **COTE-04**

Serial No. \_\_\_\_\_

Company Name: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Dealer's Name: \_\_\_\_\_

Note: Serial & Model Number must be included for proper registration.



**Alpha Professional Tools®**

**(800) 648-7229**



Register online at:  
[www.alpha-tools.com/productregistration.aspx](http://www.alpha-tools.com/productregistration.aspx)

Mail or Fax to:  
Alpha Professional Tools®  
103 Bauer Drive, Oakland, NJ 07436  
Fax: 800-286-0114

Photocopy of product registration form will be accepted.





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