



PLEASE READ AND FOLLOW ALL WARNINGS



Universal Tool

UT4425

DIE GRINDER

Read Operating Instructions

Always become familiar with all the instructions and warnings before operating any power tool.



Always Wear Approved Eye Protection

Impact resistant eye protection should meet or exceed the standards as set forth in the United States ANSI Z87.1, Occupational and Educational Eye and Face Protection. Look for the marking Z87.1 on your eye protection to insure that it is an approved style. For further information, ANSI Z87.1, Occupational and Educational Eye and Face Protection, is available from the American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.



Hearing Protection is Recommended

Hearing protection should be used when the noise level exposure equals or exceeds an 8 hour time-weighted average sound level of 85 dBA. Process noise, reflective surfaces, other tools being operated nearby, all add to the noise level present in your work area. If you are unable to determine your noise level exposure, we recommend the use of hearing protection.



Avoid Prolonged Exposure to Vibration

Tools can vibrate during use. Prolonged exposure to vibration or very repetitive hand and arm movements, can cause injury. Stop using any tool if discomfort, tingling feeling or pain occurs. You should consult your physician before resuming use of the tool.



90 PSIG Maximum

This tool is designed to operate at

an air pressure of 90 pounds per square inch gauge pressure (90 PSIG) maximum, at the tool. Use of higher air pressure can, and may cause injury. Also, the use of higher air pressure places the internal components under loads and stresses they were not designed for, causing premature failure. The air supply should be clean and dry, preferably lubricated. For best results, drain the moisture from

WARNING:

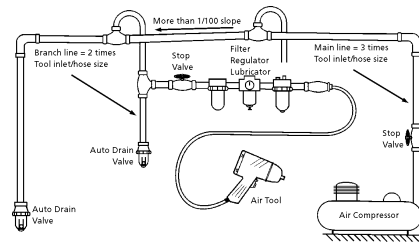
Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks, cement and other masonry products
- 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 to these chemicals, work in a well-ventilated area and work with approved safety equipment such as those dust masks that are specially designed to filter out microscopic particles.

CAUTION

Use Accessories Rated at Tool RPM or Higher



Description

Florida Pneumatic 1/4" die grinder is designed for grinding and deburring operations in confined areas. This rear exhaust tool features a built-in regulator for convenient speed control and a lock-off lever to prevent accidental starts.



the tool. Tools shall not be used without guards and safety devices as furnished by the manufacturer. Where an air tool is modified or altered, the modifier shall provide the safeguards to enable it to be safely used in the operations intended and to comply with any applicable provisions as contained in ANSI B186.1.

Tool Installation

Pressure regulators shall be used to limit air pressure to the rated pressure where the supply pressure exceeds the tool's rated pressure. Air hoses and lines shall be relieved of compressed air before being disconnected or disjointed, unless there is automatic valve closing protection at the joint being separated. Synthetic lubricants which can cause deterioration of elastomer seals shall not be used in air systems of air tools.

Tool Maintenance

It shall be the tool owner's and/or employer's responsibility to assure that tools are maintained in a safe operating condition. Tool maintenance and repair shall be performed by authorized, trained, competent personnel. Tools shall be disconnected from their compressed air supply before repairs are attempted. Repairs shall be consistent with the manufacturer's recommended procedures. Tool, hoses and fittings shall be replaced if unsuitable for safe operation. It shall be the tool owner's and/or employer's responsibility to keep required rating markings and warnings on the tool in legible condition.

Safety Instructions

The following instructions are furnished as general guidelines for use of your pneumatic tool. They cannot comprehensively cover all possible or conceivable uses of the subject tool. For additional information on the safe use of air tools, we advise you to obtain a copy of ANSI B186.1 Safety Code for Portable Air Tools, available from the following source:

American National Standards Institute, Inc.
11 West 42nd Street
New York, NY 10036.

The use of the word "shall" in the following instructions, indicates that adherence to the particular requirement is necessary to conform to ANSI B186.1.

Tool Application and Usage

Portable tools shall be used only for the purposes intended in their design and within the capacity for which they were intended and rated. It shall be the tool owner's and/or employer's responsibility to instruct each operator in the safe use of

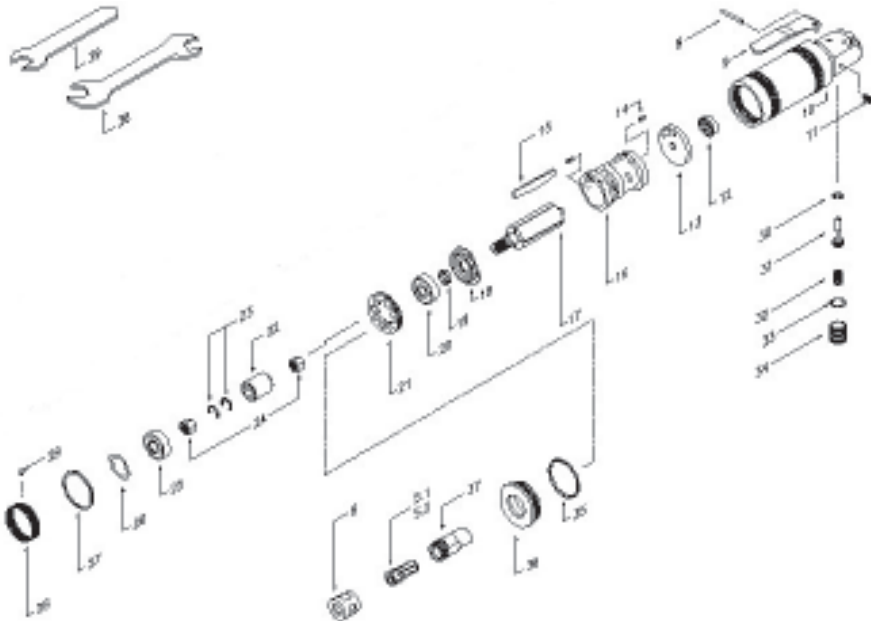
Universal Tool
A Division of Florida Pneumatic Manufacturing Corporation
851 Jupiter Park Lane, Jupiter, Florida 33458
Toll Free 1-800-327-9403

Read these instructions carefully before attempting to install, operate or service this Florida Pneumatic product. Failure to comply with the instructions could result in personal injury and/or property damage! Retain these instructions for future reference.



Specifications:

Horse Power.....	1.0 HP
Speed.....	25,000 RPM
Max. Wheel Dia.....	2"
Weight.....	2 lbs.
Overall length.....	6.25 in.
Average air consumption.....	5.5 CFM
Recommended hose size.....	3/8" I.D.
Air inlet.....	1/4" NPT
Maximum operating pressure.....	90 psi

Parts Breakdown for UT4425

Replacement Parts for UT4425

INDEX#	PART#	DESCRIPTION
1	C-119190	EXHAUST DEFLECTOR
2	C-119195	HOUSING
3	C-119201	BALL BEARING
4	C-119194	SPINDLE
5.1	C-119729	1/4" COLLET
5.2	C-119730	3/8" COLLET
6	C-119255	NOSE PIECE
7	C-119202	NUT
8	C-114089	ROLL PIN
9	C-138731	THROTTLE LEVER (SAFETY THROTTLE)
10	C-144344	MOTOR HOUSING (SAFETY THROTTLE)
11	C-119193	SET SCREW
12	S-065412	BALL BEARING
13	C-119182	REAR END PLATE
14	C-087791	ROLL PIN
15	C-119191	ROTOR BLADES
16	C-119183	CYLINDER LINER
17	C-119184	ROTOR
18	C-119185	FRONT END PLATE
19	C-119192	BEARING SPACER
20	C-120326	BALL BEARING
21	C-119187	CLAMP NUT
22	C-119198	COUPLING (INC. # 23)
23	C-119199	SNAP RING
24	C-119197	NUT
25	C-120326	BALL BEARING
26	C-119200	SPRING
27	C-053740	O RING .028
28	C-121861	SCREEN
29	S-015150	SCREW
31	C-139619	THROTTLE VALVE (SAFETY THROTTLE)
35	C-053740	O RING .028
36	C-121749	PROTECTION NUT
37	C-119256	SHANK
38	C-119327	WRENCH - OPEN END
39	C-116858	WRENCH - COLLET
NI	C-077721	RETAINER SPRING
NI	C-105693	O RING -017
NI	C-122770	CHUCK ASSY.
NI	C-139037	THROTTLE SEAT
NI	C-144345	INLET BUSHING
NI	C-144346	ADJUSTING SCREW
NI	C-145884	THROTTLE SLEEVE
NI	H-073390	SCREW
NI	P-001631	VALVE CASE DOWEL
NI	P-072359	TRIGGER STOP PIN
NI	P-089268	O RING

Limited Warranty

Universal Tool warrants its tools to be free from defects in material and workmanship for one year from the date of purchase. This warranty does not apply to tools which have been abused, misused, modified or repaired by someone other than Universal Tool or its authorized service centers. If a Universal Tool proves defective in material of workmanship within one year after purchase, return it to any authorized service center or to Universal Tool, freight prepaid. Please enclose your name, address and adequate proof of purchase date with a brief description of the defect. Universal Tool will, at its option, repair or replace defective tools, free of charge. Repairs or replacements are warranted as described above for the remainder of the warranty period. Universal Tool's sole liability and your exclusive remedy under this warranty is limited to repair or replacement of the defective tool. There are no other warranties expressed or implied and Universal Tool shall not be liable for incidental, consequential or special damages, or any other damages, costs or expense of repair or replacement as described above.