GENERAL SAFETY RULES

• WARNING! READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to read all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

Work Area

• Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
• Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
• Keep bystanders, children and visitors away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

• Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are not in doubt as to whether the outlet is properly grounded. If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
• Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
• Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
• Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace cords immediately. Damaged cords increase the risk of electric shock.
• When operating a power tool outside, use an outdoor extension cord marked “W-A” or “W”. These cords are rated for outdoor use and reduce the risk of electric shock.
Personal Safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs or alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- **Remove adjusting keys or switches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- **Do not over reach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

Tool Use and Care

- Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.
- **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- **Do not use tool if switch does not turn it on or off.** Any tool that can not be controlled with the switch is dangerous and must be repaired.
- **Disconnecting the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- **Store idle tools out of the reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- Maintain tools with care. **Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
- **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
- Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

Service

- **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance Instructions of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock.
2. Specific Safety Rules / Symbols

- **Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

- **Symbols (where applicable)**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>volts</td>
</tr>
<tr>
<td>A</td>
<td>amperes</td>
</tr>
<tr>
<td>Hz</td>
<td>hertz</td>
</tr>
<tr>
<td>W</td>
<td>watt</td>
</tr>
<tr>
<td>kW</td>
<td>kilowatts</td>
</tr>
<tr>
<td>μF</td>
<td>microfarads</td>
</tr>
<tr>
<td>l</td>
<td>liters</td>
</tr>
<tr>
<td>kg</td>
<td>kilograms</td>
</tr>
<tr>
<td>N/cm²</td>
<td>newtons per square centimeter</td>
</tr>
<tr>
<td>Pa</td>
<td>paschals</td>
</tr>
<tr>
<td>h</td>
<td>hours</td>
</tr>
<tr>
<td>min</td>
<td>minutes</td>
</tr>
<tr>
<td>s</td>
<td>seconds</td>
</tr>
<tr>
<td>∨</td>
<td>alternating current</td>
</tr>
<tr>
<td>3 ∨</td>
<td>three-phase alternating current</td>
</tr>
<tr>
<td>3N ∨</td>
<td>three-phase alternating current with neutral</td>
</tr>
<tr>
<td>N₀</td>
<td>no load speed</td>
</tr>
<tr>
<td>∨</td>
<td>alternating or direct current</td>
</tr>
<tr>
<td>II</td>
<td>Class II Construction</td>
</tr>
<tr>
<td>⊙</td>
<td>splash-proof construction</td>
</tr>
<tr>
<td>⊙⊙</td>
<td>watertight construction</td>
</tr>
<tr>
<td>.../min</td>
<td>revolutions or reciprocation per minute</td>
</tr>
</tbody>
</table>
THINK SAFETY

THE WARNING LABEL TO THE RIGHT IS TYPICAL OF THE WARNING LABEL ON DUO-FAST TOOLS. IF THE LABEL IS MISSING OR NOT LEGIBLE, CONTACT YOUR DUO-FAST REPRESENTATIVE FOR A REPLACEMENT.

DO NOT OPERATE THIS TOOL WITHOUT UNDERSTANDING SAFE OPERATION

SAFETY CHECK LIST ✔

✔ ALWAYS WEAR RECOGNIZED EYE PROTECTION

✔ DO NOT MODIFY OR USE A TOOL WITH A DAMAGED POWER CORD

✔ KEEP FINGERS OFF THE TRIGGER WHEN NOT DRIVING FASTENERS

✔ NEVER USE TOOL IN DAMP OR WET LOCATION

✔ READ COMPLETE SAFETY AND OPERATION INSTRUCTIONS THAT FOLLOW

EMPLOYER’S RESPONSIBILITIES

1. Must provide recommended safety eye protection equipment for the operator to use. 2. Must enforce compliance with the OPERATOR SAFETY INSTRUCTIONS, all other instructions contained in this manual and all applicable OSHA (or appropriate government) regulations. 3. Must provide complete training in safe tool operation for all operators, as well as maintain an instruction manual available for use by all tool operators.
OPERATOR SAFETY INSTRUCTIONS FOR TOOL USE

WARNING
To reduce the risk of fire, electrical shock, and personal injury when using electrical tools, basic safety precautions listed below should always be followed:

DO:
• Read all instructions before using the tool.

DO NOT:
• Use the tool if uncertain of safe operation. BE SAFE, NOT SORRY. SEEK TRAINING.

DO:
• Wear eye protection that meets ANSI Z87.1 requirements.
• Wear eye protection where tools are being operated.
FREE FLIGHT FASTENERS WILL CAUSE PERMANENT EYE INJURY.

DO NOT:
• Point the tool at yourself or anyone else.
• Operate the tool while working above a co-worker.
• Allow children or visitors into work area.
• Allow children or visitors to contact tool or extension cord.
DEATH OR SERIOUS INJURY CAN OCCUR.

DO:
• Be aware that ricocheting fasteners can cause permanent eye injury.
• Keep work area clean. Cluttered areas and benches invite injuries.
• Keep work area well lit.

DO NOT:
• Drive fastener close to edge of work piece.
• Drive fasteners unless tool is placed firmly against the work piece.
• Drive over another driven fastener.
• Use fasteners not meeting DUO-FAST specifications.
• Overreach. Keep proper footing and balance.

DO:
• Guard against electric shock.
• Prevent body contact with grounded surfaces like pipes, radiators, ranges, refrigerator enclosures.

DO NOT:
• Carry tool by cord.
• Use tool with damaged cord.
• Abuse cord. Do not yank tool to disconnect cord from outlet.
• Expose cord to heat, oil or sharp edges.
DO:
- Wear hearing protection and hard hats in environments that require their use.

DO NOT:
- Carry the tool with your finger on the trigger. **DEATH OR SERIOUS INJURY CAN OCCUR.**

DO:
- Disconnect the tool from the power source when: loading and unloading, tool is unattended, performing service or maintenance, clearing a jam and/or relocating the tool.
- Check to see if the tool is loaded. Always assume it is.

DO NOT:
- Assume accidents happen only to other people.

DO:
- Respect the tool. It can be dangerous.
- Stay alert. Watch what you are doing. Use common sense.

DO NOT:
- Load or unload the tool with your finger on the trigger.
**DO:**
- Have maintenance and repair work done by a qualified service person using DUO-FAST authorized parts.

**DO NOT:**
- Engage in horseplay.
- Operate tool when you are tired.

**DO:**
- Inspect tool cords periodically. Have damaged cords repaired by authorized personnel only.
- Inspect extension cords periodically. Replace all damaged extension cords.
- When using the tool outdoors, use only UL and CSA listed extension cords marked for outdoor use. Use GFI outlets only.

**DO NOT:**
- Modify the tool without approval of DUO-FAST.

**DO:**
- Understand that this tool will drive fasteners if trigger is accidentally pulled.
- Use clamps or a vise to secure work. This is safer than using your hand and it frees both hands to operate tool.

**DO NOT:**
- Expose power tools to rain.
- Use or store power tools in damp or wet locations.
- Use tool in presence of flammable liquids or gases.
- Store tools where children can access them. When not in use, tools should be stored in a high or locked-up place.
3. Functional Description / Assembly

![Diagram of a staple gun with labels for ergonomically designed trigger, hand grip, and grounded power cord.]

<table>
<thead>
<tr>
<th>CarpetPro Model</th>
<th>ENC-5418B</th>
<th>EWC-5018A</th>
<th>EIC-3118</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>4 lbs. 2 oz.</td>
<td>4 lbs. 1 oz.</td>
<td>4 lbs. 3 oz.</td>
</tr>
<tr>
<td>Height</td>
<td>6 3/4&quot;</td>
<td>7 5/8&quot;</td>
<td>6 3/4&quot;</td>
</tr>
<tr>
<td>Length</td>
<td>9 1/16&quot;</td>
<td>9 1/16&quot;</td>
<td>9 1/16&quot;</td>
</tr>
<tr>
<td>Lip Length</td>
<td>5/8&quot;</td>
<td>5/8&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>2 5/8&quot;</td>
<td>2 5/8&quot;</td>
<td>2 5/8&quot;</td>
</tr>
<tr>
<td>Cord</td>
<td>12 ft.</td>
<td>12 ft.</td>
<td>12 ft.</td>
</tr>
</tbody>
</table>

Lubrication-free operation
4. Operation

TOOL USE INSTRUCTIONS
Read safety instructions before using the tool.

GROUNDING INSTRUCTIONS
In the event of malfunction or breakdown, grounding provides a path of least resistance for electric shock. The cord on this tool is equipped with a grounding conductor and grounding plug. Follow these guidelines to ensure proper grounding.

- Use an outlet which is properly installed and grounded in accordance with all local codes and ordinances.
- Do not modify the plug provided if it will not fit the outlet; have the proper outlet installed by a qualified electrician.
- Improper connection of the equipment-grounding conductor (green in color with or without yellow stripes) can result in electric shock. NEVER connect a faulty equipment-grounding conductor to a live terminal.
- Check with a qualified electrician or serviceman if there is any doubt that your tool is properly grounded.
- Use only UL and CSA listed 3-wire extension cords with a 3-prong grounding plug and 3-pole receptacle.
- Repair or replace all damaged or worn cords immediately.

The grounding plug is intended for use with a 3-pole outlet (as shown in Fig. 1). A temporary adapter (shown in Fig. 2) may be used to connect grounding plug to a 2-pole receptacle if properly grounded outlet is not available. The adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear, lug, etc. extending from the adapter must be connected to a permanent ground such as properly grounded outlet box.

NOTE: The temporary adapter is NOT approved in Canada.

EXTENSION CORD

<table>
<thead>
<tr>
<th>Extension cord Length</th>
<th>Required wire size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-25 ft.</td>
<td>14</td>
</tr>
<tr>
<td>25-50 ft.</td>
<td>10</td>
</tr>
</tbody>
</table>

Use only UL and CSA listed 3-wire extension cords with 3-prong grounding plug and 3-pole receptacle to accept tool plug. When connecting the tool to an extension cord, the cord must be of adequate wire size to prevent loss of power. Required wire size for the length of extension cord is listed to the left.
TOOL LOADING

Using fasteners not manufactured by DUO-FAST Corporation may cause jamming, serious damage to the tool and could be hazardous.

1) Keeping your finger off the trigger, disconnect the tool from the power source.

2) Keeping the nose pointed away from you or anyone else, hold the tool on its side to access the magazine opening.

3) Press down on the rear latch to release the magazine base.

4) Open magazine as far as it will open.

5) Place a strip of staples in the magazine so that the staple crown is against the top of the magazine.

6) Push magazine base assembly forward until the latch engages and locks magazine in place.

7) Connect the tool to the power source.

The tool is now ready to drive fasteners.
DRIVING FASTENERS

- Hold the tool by the handle.
- Position front nose against the work surface where you wish to drive a staple.
- Holding the tool firmly, pull the trigger with your index finger.
5. Maintenance

SERVICE AND REPAIR
Except as specifically described in other sections of this manual, this tool must NOT be disassembled, serviced, repaired or reassembled by anyone except qualified DUO-FAST service personnel. Incorrect servicing, repairs and assembly of this tool may result in serious injury to the user and/or damage to the tool. Your DUO-FAST Distributor is ready to help with any service or repair problems you may have.

For the DUO-FAST Warranty & Service Partner in your area, call: 1-888-DUO-FAST (386-3278).

TOOL MAINTENANCE
Refer to “Operator Safety Instructions” section of this manual before serving the tool.

VISUAL INSPECTION
Daily visual inspection of the tool should be made before the tool is plugged into power source.

- Check for:
  - Smooth trigger movement.
  - All screws are tight.
  - Dirty magazine and sticky pusher.
  - Burrs or obstructions in nose or fastener raceway.
  - Excessively worn or cracked handle or driver blade.
  - Damaged or other excessively worn parts.
  - Improperly functioning latch lock spring. If latch lock spring does not properly lock magazine base into nose, the magazine base assembly will have to be replaced.

- NEVER USE A TOOL WITH DAMAGED OR MISSING PARTS.

CLEANING
The external tool parts should be cleaned daily as follows:

- Disconnect the power cord.
- Remove fasteners.
- Wipe clean with rag.
- Clean tool exterior with dry cloth. Never immerse tool in any solvents, especially highly volatile solvents such as gasoline, toluene, benzene, etc. Immersion into solvent or the use of volatile solvents for cleaning is hazardous.

NOTE: It is extremely important that all dirt and foreign material be removed from around the trigger. Any dirt which prevents the movement of the trigger will cause the tool to be unsafe.

LUBRICATION

EXTERNAL LUBRICATION

- Lightly oil moving parts in the magazine.

INTERNAL LUBRICATION

- DO NOT LUBRICATE - One of the features of this tool is that internal moving parts do NOT require any oil or grease.
COLD WEATHER PRECAUTIONS
FOLLOW THE RECOMMENDATIONS BELOW WHEN USING THE TOOL AT TEMPERATURES BELOW FREEZING:

• Keep tool as warm as possible until you are ready to use it.

OTHER RECOMMENDATIONS FOR USING THE TOOL IN COLD TEMPERATURES:

• A polyurethane bumper, more resilient in cold weather applications than the supplied rubber bumper, is now available as GO-230-3. It can be identified by the part number molded on its surface (see schematic for detail).

MALFUNCTIONS
Be alert for tool problems. A malfunctioning tool must be immediately withdrawn from use and not used again until it has been repaired by a qualified service representative.

Operating a tool with the following malfunctions is dangerous and unsafe. The list is representative only, not all inclusive.

• Trigger that sticks or binds.
• Magazine latch does not securely lock into place when magazine cover is closed.
• Cord is damaged or worn.
• Tool buzzes or hums.

STAPLE JAMS
Damaged parts, non DUO-FAST manufactured fasteners and excessive dirt build-up are the major causes of fastener jams. Follow the below procedures if a jam should occur.

• Disconnect power cord.

• Open magazine.

• Remove all staples from tool.

• The jammed staple can now be easily removed with a pair of pliers.

• Reload staples.

• Reconnect power cord.

NOTE: If tool continues to jam, take it out of service immediately and have it serviced by an authorized service center.
# Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th># Potential Cause</th>
<th>Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excessive jamming, improper staple feed:</td>
<td>Wrong staple size</td>
<td>Use correctly sized staples</td>
</tr>
<tr>
<td></td>
<td>Using staples other than Duo-Fast</td>
<td>Use only Duo-Fast staples</td>
</tr>
<tr>
<td></td>
<td>Bent staple pusher</td>
<td>Replace staple pusher</td>
</tr>
<tr>
<td></td>
<td>Damaged pusher spring</td>
<td>Replace Spring</td>
</tr>
<tr>
<td></td>
<td>Worn/Bent driver blade</td>
<td>Replace driver blade</td>
</tr>
<tr>
<td></td>
<td>Clogged or damaged nose</td>
<td>Unclog or replace nose</td>
</tr>
<tr>
<td></td>
<td>Misaligned magazine cover</td>
<td>Replace or service magazine cover</td>
</tr>
<tr>
<td></td>
<td>Plunger/driver blade not fully returning</td>
<td>Check return spring for damage or weakness or bent driver blade</td>
</tr>
<tr>
<td>Missed cycle or multi-cycle operation:</td>
<td>Power supply operation</td>
<td>Have power supply serviced</td>
</tr>
<tr>
<td></td>
<td>Trigger switch defective</td>
<td>Have trigger switch serviced</td>
</tr>
<tr>
<td></td>
<td>Weak or broken return spring</td>
<td>Replace return spring</td>
</tr>
<tr>
<td>Tool cycles, but does not discharge staple:</td>
<td>Broken pusher spring</td>
<td>Replace pusher spring</td>
</tr>
<tr>
<td></td>
<td>Jammed pusher</td>
<td>Unjam pusher</td>
</tr>
<tr>
<td>Poor drive:</td>
<td>Overheated tool</td>
<td>Allow to cool</td>
</tr>
<tr>
<td></td>
<td>Extension cord gauge too small</td>
<td>Use proper extension cord (pg. 9)</td>
</tr>
<tr>
<td></td>
<td>Return spring broken, compressed</td>
<td>Replace return spring</td>
</tr>
<tr>
<td>Tool will not operate:</td>
<td>Power supply defective</td>
<td>Have power supply serviced</td>
</tr>
<tr>
<td></td>
<td>Trigger switch defective</td>
<td>Have trigger switch serviced</td>
</tr>
<tr>
<td></td>
<td>Line cord damaged</td>
<td>Have line cord serviced</td>
</tr>
<tr>
<td></td>
<td>Coil defective</td>
<td>Have coil serviced</td>
</tr>
<tr>
<td></td>
<td>Bad plug/receptacle connection</td>
<td>Improve connection</td>
</tr>
<tr>
<td></td>
<td>Jammed driver blade/plunger</td>
<td>Unjam driver blade/plunger</td>
</tr>
<tr>
<td></td>
<td>Broken return spring</td>
<td>Replace return spring</td>
</tr>
<tr>
<td>Tool buzzes or chatters (unplug tool immediately if this condition occurs):</td>
<td>Power supply defective</td>
<td>Have power supply serviced</td>
</tr>
<tr>
<td>Driver blade extends too far at front nose:</td>
<td>Lower bumper is missing</td>
<td>Insert bumper</td>
</tr>
<tr>
<td>Armature is binding or stuck in coil:</td>
<td>Misaligned or overheated coil</td>
<td>Properly key coil, or have serviced if warped</td>
</tr>
<tr>
<td>Armature does not move-“thumps” when trigger is depressed:</td>
<td>Bumper is missing in cap</td>
<td>Insert bumper</td>
</tr>
</tbody>
</table>

13
WARRANTY

READ BEFORE USING TOOL.
If warranty terms are not acceptable, return at once, unused, for refund.

What is covered: This warranty covers any defects in material or workmanship.
How Long: This Warranty lasts one (1) year from the date of original retail purchase with the exception of rubber rings, seals, springs, bumpers and driver blade which are covered for ninety (90) days from the date of original retail purchase. Any replacement part will be warranted for the balance of the original warranty period.
What DUO-FAST will do: DUO-FAST will, within the applicable warranty period, replace or repair at DUO-FAST's option, the tool without any cost for parts or labor. All tools must be accompanied by their original dated sales receipt.
What is not covered: This Warranty does not cover damage by accident, misuse, abuse, modification, repairs necessitated by service attempted by other than a DUO-FAST authorized service technician, or because of failure to follow the recommended tool use and maintenance instructions detailed in the Safety, Operation, & Instruction Manual. THIS WARRANTY IS THE EXCLUSIVE REMEDY AGAINST DUO-FAST and no other remedy (including but not limited to incidental or consequential damages for injury to person or property, lost profits, lost sales or other incidental or consequential loss) shall be available. THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Any representations or promises inconsistent with or in addition to this warranty are unauthorized and shall not be binding upon DUO-FAST.

How to get service:
To obtain repair or replacement under this Warranty the tool and copy of the original dated sales receipt, must be returned, freight prepaid, to a Factory Authorized Warranty & Service Partner. Consult your local Distributor/Dealer or call, toll free, 1-888-DUO-FAST (386-3278) for your nearest Warranty & Service Partner.

DUO-FAST
ITW INDUSTRIAL FASTENING
888 Forest Edge Drive
Vernon Hills, Illinois 60061
1-888-Duo-Fast (386-3278)