The REL-4000SA cutter accommodates copper and aluminum conductors up to 4 inches.

The body and handle were provide comfort, and protect the operator from inadvertent contact with the blade or operation. The hardened steel blades will provide a clean cut with minimal distortion. A ring has been added to aid in bringing the tool to the cut, with less operator strain.

---

**NOTICE**

Sizes, weights and tool specifications listed in this manual are subject to change without notice. Please consult factory for information and updates.

---

**WARNING**

All information found in this guide must be read and understood before use or testing of tool. Failure to read and understand warnings and safe handling instructions could result in severe personal injury and or death.
The information in this manual is intended to guide the user in the use and application of this tool. It is not intended as a substitute for proper training and experience in safe work practices for this type of equipment. Consult your supervisor or safety personnel if you have any questions regarding the safe operation of this tool.
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THIS SYMBOL INDICATES ITEMS OF EXTREME IMPORTANCE.
Safety of user and others may be in jeopardy if these instructions
are not read and understood.

REGISTRATION

UPON RECEIPT OF THIS TOOL, COMPLETE THE REGISTRATION BELOW.

COMPANY ____________________________________________________________
ADDRESS ______________________________________________________________
________________________________________________________________________
PHONE _______________________  FAX____________________________________
SERIAL NUMBER _______________________________________________________
DATE OF PURCHASE _____________________________________________________
DEALER NAME __________________________________________________________
The REL-4000SA single acting hydraulic cutter has been designed to accommodate copper and aluminum conductor up to 4 inches in diameter.

The body and handle have been designed to provide comfort, and to protect the operator from inadvertent contact with the blade or mechanism.

The hardened steel blades will provide a clean cut with minimal distortion.

**SPECIFICATIONS**

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<tr>
<td><strong>Weight:</strong></td>
<td>17.5 lbs.</td>
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<tr>
<td><strong>Size:</strong></td>
<td>15.6” x 10” x 4”</td>
</tr>
<tr>
<td><strong>System:</strong></td>
<td>Hydraulic - 10,000 psi max.</td>
</tr>
<tr>
<td><strong>Max. Cut</strong></td>
<td>4 inch dia. (Cu. or Al.)</td>
</tr>
</tbody>
</table>

**DO NOT CUT STEEL**
BEFORE USING THIS TOOL, READ THE WARNINGS and the recommended practices described in this manual. Failure by the operator to read and fully understand these warnings will leave this person unqualified to use and operate this tool. Property damage, severe personal injury, and/or death could result by not following these warnings.

These warnings will appear in appropriate locations when they are pertinent to the particular subject being shown. Read each one carefully and follow them strictly.

**Eye Protection**

**WARNING**
Always wear eye protection to avoid injury from flying debris or hydraulic oil leaks. Failure to do so can result in serious personal injury.

**Skin Irritation**

**WARNING**
Hydraulic oil may cause irritation. Use care to prevent contact with skin. In case of accidental contact, wash affected area immediately.

**Hard Hat**

**WARNING**
Always wear a hard hat to avoid injury from falling debris. Failure to do so can result in serious personal injury.

**Foot Protection**

**WARNING**
Always wear foot protection. Failure to do so can result in serious personal injury.

**Hearing Protection**

**WARNING**
Always wear hearing protection, to avoid hearing loss due to long term exposure to high noise levels.

**Protective Gloves**

**WARNING**
Always wear protective gloves. Failure to do so can result in serious personal injury.
SAFE OPERATION & CARE

WARNING

USE THIS TOOL FOR ITS INTENDED PURPOSE ONLY
Any other use can result in injury or property damage.

INSPECT TOOL BEFORE USE. Replace any worn, damaged or
missing parts. A damaged or improperly assembled tool may
malfunction, injuring operator and/or nearby personnel.

INSPECT HYDRAULIC HOSES AND COUPLINGS before each
use. Repair or replace if any cracking, leakage, wear or damage
is found. Worn or damaged hoses may fail resulting in personal
injury or property damage.

CLEAR WORK AREA of all bystanders and unnecessary personnel
before operating this tool.

KEEP ALL PARTS OF THE BODY AWAY FROM MOVING PARTS.
Failure to observe this warning could result in serious injury.

HYDRAULIC POWER SUPPLY

WARNING

DO NOT attempt to make any changes to any of the component
parts or accessories when connected to the power source.

DO NOT adjust, inspect, or clean tool while the tool is connected
to the power source. The tool could accidentally start up and
cause serious injury.

DO NOT lock the tool in the On Position. In an emergency, serious
damage or injury could occur during the time required to stop
the tool.

OIL INJECTION INJURY

WARNING

Hydraulic oil or fluid under the skin is a serious injury. Oil under
pressure can penetrate the skin and may cause dismemberment
or loss of life. Seek medical assistance immediately if such an
injury should occur.

Always wear safety gloves, eye protection and all required
safety equipment when operating or handling this tool.

DO NOT use fingers or hands to attempt to locate a leak.

DO NOT handle hoses or couplers while system is pressurized.

NEVER open or service the system before depressurizing.
HOSES AND FITTINGS

There exists the potential for shock in using anything other than certified non-conductive hoses and hydraulic oil with dielectric properties, when using system components near energized electrical lines. Failure to recognize these conditions could cause electrocution.

Hoses and fittings used with this tool must comply with S.A.E. J1273 which covers recommended practice for selection, installation, and maintenance of hose and hose assemblies. The correct hoses and fittings are available from your supplier.

WARNING: Failure to comply with these warnings could result in severe bodily injury.

UNIT/HOSE CONNECTIONS

ALWAYS DISCONNECT pump/power source and move toggle switch to OFF before connecting or disconnecting any components.

ALWAYS DEPRESSURIZE hydraulic system, before slowly disconnecting this unit or any of the systems components.

ALWAYS TIGHTEN couplings completely. Loose or improperly tightened couplings will not allow fluid to pass through the hose creating a blockage in the supply or return line.

ALWAYS INSPECT HOSES AND CONNECTORS before connection to tool. Replace or repair if any leakage is evident. Leakage is a sign of deterioration in component parts. Worn or leaking parts must be repaired or replaced, or tool damage or severe injury could result.

SERIOUS BURN HAZARD

HOT SURFACES MAY CAUSE SERIOUS BURN OR INJURY

The hydraulic cylinder may be hot during and after operation.

CAUTION: HYDRAULIC FLUID MAY CAUSE SERIOUS BURNS

Never disconnect tool, hoses, or fittings while the hydraulic power source is running or if the hydraulic fluid is hot.

Failure to observe this warning could result in serious injury.

IF YOU HAVE ANY QUESTIONS REGARDING THE SAFE USE AND/OR OPERATION OF THIS TOOL, CONSULT YOUR AREA SUPERVISOR, OR CONTACT RELIABLE EQUIPMENT AT 800-966-3530
Operation/Safety methods may vary in accordance with the working guidelines established by each utility or contractor. For your own safety, ensure that you fully comply with all safe operation guidelines required by your employer.

ELECTRICAL SHOCK HAZARD
Always wear and use the necessary clothing, equipment and safety practices to protect against electrical shock. Failure to follow these rules can result in serious personal injury or death.

GENERAL SAFETY
USE ALL APPROPRIATE AND APPLICABLE PERSONAL SAFETY EQUIPMENT as required by the operating company.
ALWAYS INSPECT TOOL for wear or deterioration every day. Replace all parts that show signs of wear or damage.
KEEP ALL PARTS OF THE BODY AWAY from moving parts of the tool.
KEEP HANDS OUT FROM BETWEEN FIXED AND MOVING BLADES AT TOOL HEAD. HANDS SHOULD BE OUTSIDE DANGER ZONE PRIOR TO ACTIVATING BLADE.
MAKE SURE there is no person in close proximity to you or the tool who could be injured by any operation being performed, tool malfunction or flying debris.
DO NOT OVEREXTEND your position by overreaching or unbalancing the footing necessary to maintain physical control of your body.
ALWAYS MAINTAIN a firm grip on the tool to avoid loss of control during an operation, causing property damage, serious injury or death.
USE THIS TOOL FOR THE MANUFACTURERS’ INTENDED PURPOSE ONLY.
OBSERVE CLOSELY ALL SAFETY RULES FOR A PARTICULAR JOB CLASS.

FAILURE TO HEED THESE WARNINGS COULD RESULT IN PROPERTY DAMAGE, SERIOUS PERSONAL INJURY OR DEATH.
Read entire manual prior to using this tool.
(Refer to all safety recommendations and warnings)
Observe all safety precautions and procedures required by the operating company.
(Refer to GENERAL SAFETY on page 8)
Before cutting, ensure that material being cut is within the capacity listed for this tool.
Tool must be used in conjunction with a hydraulic system rated at, and adjusted to, 10,000 psi.
Any system not operating at 10,000 psi may cause damage to the tool and result in serious injury to the operator.
Connect the tool head to the control valve or hose set. (Refer to warnings on page 6 & 7)
Insert material between cutter head and blade.
The material to be cut MUST be at a 90° angle to the blade. This will ensure a proper cut with minimal distortion. Severe blade damage may occur if material is cut at any other angle.
Operate pump or valve to slowly advance blade. If a hold feature is available, check for proper alignment (90° angle) of blade and material being cut.
Continue until cut is complete.
Return source to the OFF/RETRACT position and allow movable blade to retract completely.
Consult your supervisor, safety personnel, or RELIABLE EQUIPMENT if you have any questions regarding the safe operation of this tool.
**PARTS LIST - REL-4000SA**  
**4” SINGLE ACTING HYDRAULIC CUTTING TOOL**

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<thead>
<tr>
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<th>PART NO.</th>
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<th>DESCRIPTION</th>
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<td>6</td>
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<td>LOWER DISC</td>
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<td>R52100</td>
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<td>SEAL KIT * ITEMS INCLUDED IN SEAL KIT</td>
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</tbody>
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Contact **RELIABLE EQUIPMENT** at 800-966-3530 if you have any questions related to the instructional information found in this manual.
DAILY MAINTENANCE

The life, reliability, and safety of the tool is dependent on proper maintenance. **Clean** all surfaces including head, blade, couplers (if coupled), threads, and handles. **Inspect** for wear and damage. Worn or damaged parts may malfunction during operation. All parts must be replaced with new parts if signs of wear or damage are evident.

**NOTE:** Keep Label Set clean and legible. Replace decals when necessary. Part #RL52000

**IMPORTANT:** The greatest cause of hydraulic system failure is dirt. Prevent the introduction of foreign matter into the unit via hydraulic fluid, dirty connections or accumulation of sediment.

**Complete disassembly is not recommended. Return the unit to an authorized dealer for total disassembly and/or repair.**

All maintenance or disassembly should take place on a flat, clean work surface covered with towels or wipers so as to have a clean space for the disassembled parts. Inspect each part during disassembly for wear, scratches, and cuts. Discard the worn or damaged parts and replace with new factory authorized parts.

O-rings are sensitive to sharp edges. Inspect closely for cuts or damage. A small cut will cause a leak. When assembling or disassembling O-rings, use hydraulic fluid as a lubricant to help disassembly or installation.
## Maintenance Records

<table>
<thead>
<tr>
<th>Date</th>
<th>Parts or Service Required</th>
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</table>
If you have any questions regarding the information found in this manual please contact RELIABLE EQUIPMENT at the address, phone or fax numbers shown below.