

# LOTOS TECHNOLOGY

## Throatless Shear LSTS01

[www.uwelding.com](http://www.uwelding.com)



# TABLE OF CONTENTS

<b>SPECIFICATIONS</b> .....	1
<b>SAFETY RULES</b> .....	1
Work Area Precautions.....	1
<b>ASSEMBLY INSTRUCTIONS</b> .....	2
<b>OPERATION INSTRUCTIONS</b> .....	2
Before operating.....	2
Operating.....	2
<b>MAINTENANCE</b> .....	2
<b>PARTS LIST AND DIAGRAM</b> .....	3

---

**⚠️ Read this manual before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.**

---

## **SPECIFICATIONS**

Designed to allow you to cut on Mild Steel, Aluminum, Stainless Steel, or lighter material.

Length of Handle	18"
Blades	Alloy tool steel, 4" length
Dimensions	8-1/4"x13-1/2"x27-1/4"
Base Size	5-1/8"x3-7/8" with three mounting holes (3/8" diameter)
Tool Weight	16.4 lbs.
Max Cutting Thickness	Mild steel: 14-ga, Stainless: 18-ga

## **SAFETY RULES**

### **⚠️ WARNING**

**Common sense and caution are factors which cannot be built into any product. These factors must be supplied by the operator.**

Please remember:

1. Prevent body contact with grounded surfaces such as pipes, radiators, etc.
2. Stay alert. Never operate equipment or use tools if you are tired.
3. Do not use this product if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgement or reflexes might be impaired.
4. Do not wear loose clothing or jewelry as they can be caught in moving parts.
5. Non-skid footwear is recommended.
6. Wear restrictive hair covering to contain long hair.
7. Use eye protection. Always wear ANSI-approved safety glasses when using equipment or tools.
8. Keep proper footing and balance at all times.

### **Work Area Precautions**

To avoid risk of personal injury, equipment damage, fire and shock, make sure your work area is:

1. Free of children. Children should never handle tools or operate equipment.
2. Free of damp, wet or rainy conditions.
3. Free of flammable gasses or liquids.
4. Make sure your work area is well-lit.
5. Clean and uncluttered work spaces contribute to safe and productive work conditions.

## **ASSEMBLY INSTRUCTIONS**

When unpacking, check to make sure that all parts shown in the PARTS LIST AND DIAGRAM (Page3) are included. If any parts are missing or broken, please contact the seller.

Assemble the Handle (6) over the exposed shaft of the Geared Handle (4) and tighten Bolt (5).

## **OPERATION INSTRUCTIONS**

### **Before Operating**

Check for alignment and binding of all moving parts, broken parts or mounting fixtures and any other conditions that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.

1. Never force the tool or attachment to do the work of a larger industrial tool. Tool performance is more efficient and safer being used at the rate for which it was intended.
2. Never use the blades if they are dull, worn, or chipped. Blades must be sharpened, repaired or replaced before use.
3. Check to make sure all bolts are secure but not overtightened. Check for blade clearance. Make sure clearance is suitable for the workpiece.
4. While being used, the lower blade must be secured with the Clamp (10). When not being used, the Clamp (10) can be loosened.

### **Operating**

1. Adjust the clearance between the Upper Blade (14) and Lower Blade (8). To decrease the clearance, turn the Adjusting Bolts (15) clockwise. To increase clearance, turn the bolts counterclockwise. The clearance can be adjusted to between 1/4 and 1/10 of the thickness of the workpiece.
2. To gain power and control of the workpiece, start all cuts at the heel of the blades. Circular and irregular cuts are made by turning the workpiece while following through with the downward stroke of the blade.
3. When a cut has been finished, push the workpiece forward while raising the handle to lift the blade above the workpiece. Start the next cut at the heel of the blade.
4. Always keep the material being cut flat on the bed of the shear.

## **MAINTENANCE**

Periodically use a good graphite oil to lubricate blade edges and gears on the Geared Handle (4).

**For warranty service and repair please go to [www.uwelding.com](http://www.uwelding.com)**

## PARTS LIST AND DIAGRAM

Part	Description	Qty
1	Base	1
2	Right Stand	1
3	Blade Stand	1
4	Geared Handle	1
5	Bolt M8 x 25	1
6	Handle	1
7	Handle Bushing	1
8	Lower Blade	1

Part	Description	Qty
9	Bolt M8 x 35	1
10	Clamp	1
11	Nut M12	1
12	Bolt M12	2
13	Bolt M5	3
14	Upper Blade	1
15	Adjusting Bolts M5	2

