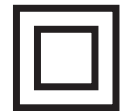


**CRL C.R. LAURENCE CO., INC.**

# **3" x 18" Belt Sander Instruction Manual**

**CAT. NO. LD318,  
LD318EU and LD318AU**



**WARNING!** When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. Completely read the manual before proceeding to use this tool.

Subject to printing errors and design changes over which we have no control. In the event of problems please contact our Customer Service Department.

© COPYRIGHT C.R. LAURENCE CO., INC. 2013

AVDB3084 01.13

Visit us at [crlaurence.com](http://crlaurence.com) for international toll free information

## TECHNICAL DATA

	LD318	LD318EU	LD318AU
Main Voltage	110 V	220 V	240 V
Main Frequency	60 Hz	50 Hz	50 Hz
Power Input	7.0 A	7.0 A	7.0 A
Belt Speed	390-920 ft/min	119-280 m/min	119-280 m/min
Belt Dimensions	3" x 18"	76 x 457 mm	76 x 457 mm
Weight	7.25 Lbs.	3.3 Kg.	3.3 Kg.

Level of sound pressure measure according to EN 50144:

LPa (sound pressure)	dB(A)	93.5
LWa (sound power)	dB(A)	106.5



Hearing protection should be worn when using belt sanders.

## SAFETY INSTRUCTIONS



**WARNING!** When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.

***Read these instructions before operating this product and save these instructions.***

1. **Keep work area clean.** Cluttered areas and benches invite injuries.
2. **Consider work area environment.** Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area well lit. Do not use power tools where there is risk of fire or explosion.

3. **Guard against electric shock.** Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
4. **Keep children away.** Do not let visitors touch the tool or cord.  
All visitors should be kept away from work area.
5. **Store idle tools.** When not in use, tools should be stored in a dry, high or locked up place, out of the reach of children.
6. **Do not force tool.** It will do the job better and safer at the rate for which it was intended.
7. **Use the right tool.** Do not force small tools or attachments to do the job of a heavy duty tool.  
Do not use tools for purposes not intended.
8. **Dress properly.** Do not wear loose clothing or jewelry that can be caught in moving parts.  
Rubber gloves and nonskid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. **Use safety glasses.** Use of a face or dusk mask is recommended.
10. **Connect dust extraction equipment.** If devices are provided for the connection of dust extraction and collection facilities ensure these are connected and properly used.
11. **Do not abuse the cord.** Never carry the tool by the cord or yank it to disconnect it from the socket. Keep the cord away from the heat, oil and sharp edges.
12. **Secure work.** Use clamps or a vise to hold the work. It is safer than using your hand and it frees both hands to operate the tool.
13. **Do not overreach.** Keep proper footing and balance at all times.
14. **Maintain tool with care.** Keep tool clean for better and safer performance. Follow instruction for lubrication and changing accessories. Inspect tool cord periodically and if damaged have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
15. **Disconnect tools.** When not in use, before servicing, and when changing accessories such as blades, bits, and belts.
16. **Remove adjusting keys and wrenches.** Form a habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
17. **Avoid unintentional starting.** Do not carry a plugged-in tool with a finger on the switch.  
Ensure switch is off when plugging in.
18. **Use outdoor extension cords.** When tool used outdoors, use only extension cords intended for outdoor use.
19. **Stay alert.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
20. **Check damaged parts.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in this instruction manual. Have defective switch replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.

21. **Warning.** The use of any accessory or attachment, other than those recommended in this instruction manual, may present a risk of personal injury.
22. **Have your tool repaired by a qualified person.** This electronic tool complies with relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user. The following symbols are used throughout this manual:



**DENOTES RISK OF PERSONAL INJURY OR DAMAGE TO THE TOOL.**

## **ADDITIONAL SAFETY INSTRUCTIONS FOR SANDERS**

---

### **ELECTRICAL SAFETY**



**Always check that the power supply corresponds to the voltage on the rating plate.**

### **MOUNTING A SANDING BELT**

- Pull the clamping lever (6) out and turn it as far as it will go.
- Take a sanding belt of the required grit size and place it on the belt rollers (4).
- Make sure that the sanding belt is straight and centered on the rollers.
- Push the clamping lever (6) back.
- Switch the machine on to let the sanding belt run. With the machine switched on, turn the belt centering knob (5) until the sanding belt runs straight.



**The sanding belt must be fit firmly on the sanding pad and should not come loose.**

### **USING THE DUST EXTRACTION OUTLET**

In combination with the dust bag (7) or an external dust extractor, the dust extraction outlet (3) keeps dust away from the sanding surface.

## **SWITCHING ON AND OFF**

- To switch on the machine, press the on/off switch (1).
- To switch off the machine, release the on/off switch (1).
- To switch the machine to continuous mode, keep the on/off switch (1) fully pressed and simultaneously press the lock button (2). Then release the on/off switch.



**Never use the machine for sanding magnesium workpieces.**

## **CLEANING AND MAINTENANCE**

The machine does not require any special maintenance. Regularly clean the ventilation slots.

## **REPLACEMENT PARTS AVAILABLE**

**LD318BRSH** - Brushes

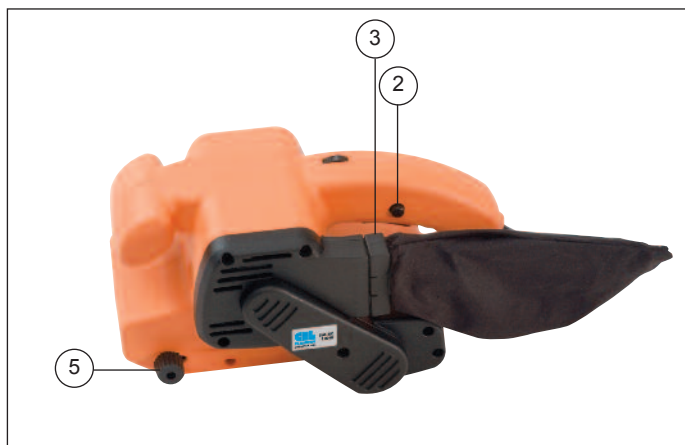
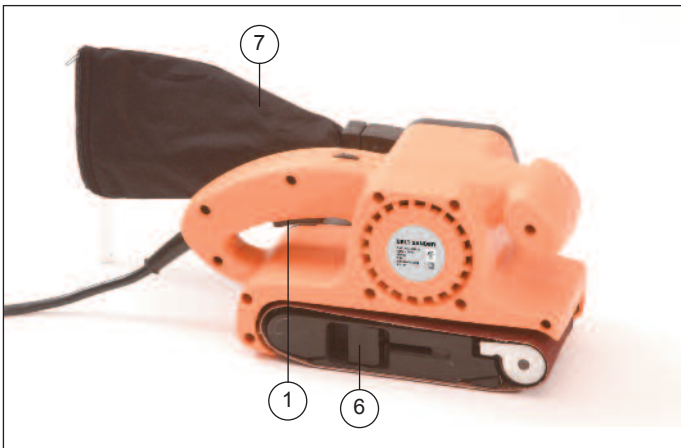
**LD318SW** - Switch

**LD318B** - Drive Belt

## **ENVIRONMENT**

Should your machine need replacement after extended use, do not put it in the domestic waste. Dispose of it in an environmentally safe way. Class II construction double insulated. This product must not be grounded.

# **DESCRIPTION**



Your Belt Sander has been designed for sanding glass, wood, wood products, metal and paint work.

- 1. On/Off - Switch**
- 2. Lock Button**
- 3. Dust Extraction Outlet**
- 4. Belt Rollers**
- 5. Belt Centering Knob**
- 6. Clamping Lever**
- 7. Dust Bag**