



Mini Spreader RS 1 1



- Technical Specifications
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- Maintenance Instructions

This is a detailed instruction guide specific to Champion Rescue Tools Mini Spreader - please see separate information provided for general hydraulic tool usage, warranty information, MSDS information, etc.

when every second counts
trust a champion

Introduction

Thank you for purchasing the RS11 Mini Spreader – a tool designed for maximum portability and maneuverability - perfect for hundreds of rescue applica-

tions. For General Operating and Safety Instructions please refer to the “General Operating Procedures” Booklet furnished with your tool.

Technical Specifications: RS-11



WEIGHT:	23.5 lbs with fluid and connectors
LENGTH:	27.5 inches
HEIGHT:	6.75 inches
WIDTH:	7.75 inches
OPENING:	11.0 inches
GRIPPING ARM DISTANCE:	10.0 inches
OPERATING PRESSURE:	5,000 or 10,500PSI as specified
MAX. SPREADING FORCE:	5,600 lbs with closed tips, 12,000 lbs. at rear in closed position
HYDRAULIC FLUID TYPE:	As specified by the customer

General Safety and Operating Instructions

1. Always turn the power unit to the “off” position and place the control valve in the ‘off ‘position for any service or cleaning work. You should also “dump” the valve by pushing it all the way to one side and then the other – this releases any stored energy and eliminates tool creep.

2. Familiarize yourself with the tool(s) and control valve, moving the control valve back and forth until familiar with the valve action and operation. NEVER put any part of your body between the moving parts of this or any other tool!

3. Using a hydraulic tool is a one person operation with no exceptions

4. The Mini Spreader is designed to get into tight places and do the lion’s share of your spreading, however it is not designed to replace a full size spreader. Inspect spreader arms and tips after each use to make sure it is in good condition. Inspection of the tips before each use is a MUST! If tips are suspect in any way, pull the tool out of service immediately. Remember you are working with many thousands of pounds of force.

5. The Hydraulic Cylinder on your new tool operates

under extreme pressure and is a sealed unit. Under normal use, it does not require service. The factory sealed cylinder must NEVER be taken apart – doing so will void your warranty and could potentially result in severe injury or even death.

6. As long as the cylinder remains sealed and is not tampered with, any defects or malfunctions are covered by the Champion lifetime warranty (to the original purchaser). See the “Champion Rescue Tools Statement of Lifetime Warranty” for additional information.

7. The control valve must be kept clean. Blow off sand/dirt with an air hose. Use WD-40 on the valve spring. Valve does not need any maintenance.

8. As with all Champion Rescue Tools, the operating speed can be slowed down or increased by moving the trigger accordingly. If the trigger is opened partially the movement will be slow; If the trigger is opened all the way movement will be faster.

Always use proper safety gear and follow all safety instructions as outlined in this manual.

Using the Mini Spreader

1. Always inspect tool prior to use.
2. Be sure to follow proper general procedures (as well as any department specific procedures) for performing vehicle extrication – otherwise severe injury or even death for the occupants or tool operator is possible.
3. Do a visual check before making a cut, as for every action there is often an equal reaction. Check twice and spread once.
4. Check arms, handle bolts and screws are in place and securely fastened.
5. Check fluid level in power unit reservoir.
6. Connect tool to power unit.
7. Start power unit, move the operating lever on the valve (on the power unit) to run (pressure) position.
8. Twist trigger clockwise to extend and counter clockwise to retract. NOTE: If arms do not operate correctly, make sure quick disconnects couplers are connected properly. If problem persists, refer to troubleshooting section of instruction manual.
9. Extend and retract arms several times to purge air from system. Arms should move freely.
10. Before operating tools, review safety section of instruction manual.
11. Champion Rescue Tools strongly recommends that you familiarize yourself with the Champion Rescue Tools by making several tests on commonly encountered materials before putting the tool into field service.
12. When operating the “Mini” Spreader keep in mind that this spreader is designed for entanglement, under dash work and confined spaces, and is not designed to replace your full size spreader.
13. If the material to be spread is moved and the tool stalls, close the tool all the way and re-insert the arms and tips in as deeply in the same location as is possible and then apply power again. More power will be generated in this way because the fulcrum point has changed.
14. As with all Champion Rescue Tools, the operating speed can be slowed down or increased by moving the trigger as follows: If the trigger is opened partially the movement will be slowed; moving the trigger all the way over to the maximum position will increase the speed.

Maintenance Instructions

1. Inspect the “Mini” Spreader after every use for wear and damage.
2. Remove any debris from the roller track.
3. Keep the tool clean and dry. Wipe with a clean cloth if necessary. Use a mild detergent to clean the tool and dry thoroughly.
4. Lubricate the spring valve with a light lubricant such as WD-40.
5. Lightly lubricate the roller cam track with a lubricant such as WD-40 or a light silicon lubricant.
6. Insure that all handles are tight. There are screws on both rear and front handles.
7. Inspect couplers to insure that they operate correctly and are free of dirt and debris.
8. Inspect hoses for cracks, cuts and bulges. DO NOT operate with a damaged hose.
9. Inspect spreader arms for damage. DO NOT operate with damaged arms.
10. Keep arms free from rust and corrosion.
11. Replace hand safety guard if broken or damaged.
12. Replace all missing or damaged decals.

Support

Should you require either technical, service, training or any other type of support, please contact our Corporate Offices at:



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24 Hour Emergency Line: 909-790-5690