



**Thank You for choosing Reel Quality Products, Inc.
Please read the following important safety and installation instructions before
mounting and using your new reels.**

Important Safety Information

WARNING! LIVE WELDING CABLE LEAD REELS CAN BE EXTREMELY DANGEROUS!

Improper installation and / or use can result in equipment damage, serious injury to yourself and others, or even death. Only properly trained individuals with a thorough knowledge of welding and welding safety practices should install , operate and maintain your reels. Prior to using your new reels, you must carefully read and understand the following instructions and safety warnings.

Live welding lead reels and all welding equipment should be installed and maintained in accordance with OSHA 1926 Sub part J and the National Electric Code (NFPA 70) and in addition, must always be installed in accordance with all local laws, codes, ordinances, and workplace safety regulations. This may include, but is not limited to:

- *Applying suitable compliant insulation to exposed areas of you reels to prevent accidental shorting, grounding and / or electrical shock.*
- *Informing passers by to stay clear of your equipment and work space with appropriate highly visible warning signs and / or motion detecting audible warning alarms.*
- *Maintaining your equipment in good safe working order.*
- *Covering your reels when not in use and keeping them dry at all times.*
- *Periodically performing visual inspections of your equipment and welding cable paying special attention to exposed insulation of the spool and lock pin assemblies for possible chipping, cracking and / or tearing. (Repair or replace any damaged cable following guidelines as defined in OSHA 1926 Sub part J.)*
- *Periodically check all fasteners as to being secure and tight.*
- *Never attempt to service or repair your equipment with the power on.*
- *Avoid contact with electrically charged parts. Always wear dry welding gloves in good condition and all other appropriate Personal Protective Equipment (PPE) when operating your equipment. Generally speaking, with the power on, the entire spool assembly should be considered electrically live and treated as such.*

Mounting and connecting you reels

1. Make sure all power is off and locate a suitable area away from other equipment and potential grounding hazards.
2. If bolting your reel to the mounting surface use four bolts of at least 3/8" diameter with lock washers. If welding, mounting base is 1018 steel.
3. Using a suitable cable lug (Radnor model L-120 for example) fasten your ground cable to the 1/2" button head input fastener located at the end of the reel spindle near the reel mounting stanchion.
4. Similarly, using the 1/2 inch button head fastener supplied, attach your additional welding lead cable to the 1/2" threaded hole located along the reel hub.
5. Connect your other positive reel, input and additional cable as per above.
6. After mounting, complete a continuity test both reel-to- reel and reel-to-ground to insure proper reel isolation.

Adjusting the reel tension

1. Using a 1/4" hex key wrench, loosen the set screw located at the center of the hand adjusting nut. Loosen or tighten the adjusting nut to desired reel tension.
2. Once the desired tension has been achieved, re-tighten the set screw to lock in place.

Operating Tips

It is good practice to always deploy all your welding lead cable before welding. Especially with higher amperage long duration welds. Long lengths of coiled cable can cause induction heating. In tests, even though Reel Quality reels remained much cooler than other reels even when fully loaded, there was still a significantly higher rise in reel temperature with the cable rolled up vs. fully deployed. When in doubt, deploy the cable.

When rolling up tension is the key to a nice and neat finish. Try to roll up the full weight of the cable, when possible, so it will track nicely onto the spool.

It is a good idea to cover your reels when not in use. Our reels are designed to withstand the elements, however, keeping them dry and covered will help prevent corrosion and allow your reels to keep that like new look.