MODELS WSS-100 & WSS-100-A WIRE STRAIGHTENERS

Our wire straightener models are pre-assembled without inlet or outlet probes (these are available for purchase separately). If pulling from 30 to 60 pound spools, and not running conduit, we suggest using an optional ceramic inlet guide in place of the conduit inlet.

IMPORTANT: Read the instructions before installing or operating this system. If you require any further information or assistance, please contact our customer service department at extension 249.

INSTALLATION INSTRUCTIONS:

1. Insert the probes in the straightener inlet & outlet and tighten set screws. Insert conduit in the opposite end (inlet side of the wire straightener) if applicable. When using any steel connectors with aluminum wire (for the WSS-100-A only) an A-4L-H insert is required to insulate the wire. Wire feeds in the direction of the pull.
2. Push weld wire through. Turn knob on top of straightener until bottom wheel makes contact with the wire.
3. Increase tension until desired wire cast is achieved. Heavier tension counter-bends the cast regardless of the direction of the helix.
4. Once set, note the calibration mark (lower right of the bottom wheel) on the face of the unit in conjunction with the fine adjustment scale on the tension knob.
5. Recording these settings will allow for a quick and precise casting when changing reels.

NOTE: An A-1QD fitting is required to facilitate connections with DRUM MOUNT and FEEDER applications.
Wire Straightener Connector Options

SMALL WIRE STRAIGHTENER FITTINGS*

NON-THREADED FITTINGS

Connection to disconnect, on feeder or in-line

Steel Wire: A-1QD-12 or A-1QD-5/32 (for large wire)

Connection to disconnect, on feeder or in-line

Aluminum Wire: A-1QD-5/32 & A-4L-H liner

WIRE END VIEW

Steel or Aluminum Wire: A-1C-5-12 Delrin with ceramic inlet

THREADED FITTINGS

A-3 Quick Disconnect

Steel Wire: A-1LN-S-12 or A-1LN-S-5/32 (for large wire)

Steel Wire: A-1LN-S-5/32 & A-4L-H liner

INSULATED MOUNTING KITS

Optional – Available for all models

WSS-100-IK For WSS Straighteners

WSM-100-IK For WSM Straighteners

WSL-100-IK For WSL Straighteners

DRIVE ROLLS

WSS-100 Drive Rolls
U-Groove Drive Rolls for Steel Wire

WSS-100-A Drive Rolls
V-Groove Drive Rolls for Aluminum Wire

*Fittings may be used as inlets or outlets depending on setup

Last Revised: 7/20/15