



Description

We have found that spending a little extra time and money ensuring that you have the absolute correct set-up makes all the difference in the world when you come up against difficult soldering jobs. American Beauty offers a wide array of accessories to our line of resistance soldering systems. Take a moment to learn just how one of these items may improve your current process.

Related Products

The following products are related (similar model but different specifications, etc.) to Model 105V12 featured on this page:

Model	Product Name
10502	Light Capacity Tweezer-Style Resistance Soldering System

Replacement Products

Applications

Technical Specifications

RoHS Compliant	Yes
Connection Type	Tapered Pins
Country of Origin	US
Package Length	8.25 in / 20.96 cm
Package Width	6.25 in / 15.88 cm
Package Height	4.75 in / 12.07 cm
Shipping Weight	2.80 lbs / 1.27 kg

User Information and Instruction Sheet

Other Product Data Sheets

Summary: American Beauty® resistance soldering accessory that both acts as a fixturing device and an electrical return lead for single-electrode resistance soldering handpieces.

Description: Grounding vise is a versatile holding fixture for your resistance soldering needs. Constructed from solder-resistant polished aluminum and supplied with four multi-positional .125" x .5" (3.18mm x 12.7mm) chromed pins. The vise section has a total of 60 holes (30 per side) to accept the four vise pins. The 5.5" diameter base features a socket receptacle for using the 12" extension lead, with alligator clip (also supplied), to allow for a current return path when the part held in the vise is non-conductive. The overall height of this unit is 3.5 inches.

Uses: Attach the vise to an American Beauty® resistance soldering power unit by plugging the taper pin quick connect terminal, on the end of the lead, into either socket of the power unit (the one not being used by the single electrode handpiece) and firmly twisting, clockwise. Secure the work piece in the vise by first aligning the pins, then closing the vise onto the workpiece by turning the knob counter-clockwise. Do not over tighten. It is preferable to hold the workpiece so that it does not touch the surface of the vise in order to reduce heat sinking into the vise during soldering.

The unique pin system of the Model 105V12 can be extended to hold larger parts by forming custom pins from 1/8" diameter brass or copper rod stock. Insertion depth for vise pins is 1/4". If larger, custom pins are used, better results are achieved with use of the 12" extension lead.

WARNING: Elements and electrodes generate significant heat when power is applied. The vise may become hot when being used over an extended period of time. Use with caution to prevent burns, fire or other potential damage. Normal use of this product is likely to expose the user to solders containing lead, which is known to the State of California to cause cancer and birth defects (or other reproductive harm) or other Proposition 65 listed chemicals

Features and Benefits