# Model: 3158X-250

# 250 WATT, 5/8" HEAVY-DUTY SOLDERING IRON

American Beauty heavy-duty irons are ideal for heavy soldering jobs and production-line environments. Created by compression winding a special Ni-Chrome heating alloy onto a steel spool, all elements demonstrate an unsurpassed heat capacity and outstanding durability. Protective casings cut from a single block of steel are strengthened with multiple heat treatments and precision brazed for optimal strength and efficiency. (Stand Included)

#### **ACCESSORIES**

The following products can be used as Accessories for Model 3158X-250 featured on this page:

Model	Product Name
44C	Chisel Style Soldering Tip
445	Screwdriver Style Soldering Tip
CS-ABKIT	Soldering Iron Maintenance Kit for 1/4" thru 9/8" Irons
V3700	Voltage Controller for Heavy-Duty Irons & Pots



### **FEATURES AND BENEFITS**

Ni-Chrome Compression Wound Heating Elements are proven to be the most reliable heating element for maintaining soldering temperature in production environments.

Paragon Iron-Clad Lead-Free Soldering Iron Tips consistently outperform and outlast ordinary soldering iron tips many times over. Plug-style tip design provides for superior heat transfer and easy cleaning.

**Hardwood handle** provides superior thermal and electrical insulating properties and durability.

**Modular construction** allows for easy replacement of consumable parts allowing for tools to last for generations.

# **REPLACEMENT PARTS**

The following products can be used as replacements for Model 3158X-250 featured on this page:

Model	Product Name
3919	Replacement Handle/Cord set for Heavy-Duty Irons
3933	Replacement Item_Set Screws
44D	Diamond Style Soldering Tip
9275X-250	Replacement 250 Watt Compression-Wound Heating Element

# **TECHNICAL SPECIFICATIONS**

Tip Diameter	.625 in
Standard Tip Style	Diamond
Wattage	250 watts
AMP Draw	< 3 Amp
Maximum Temperature	1100 °F / 593°C
Stand included?	Yes
Available in a 220-240 VAC?	Yes, available upon request
Product Length	14.5 in / 36.83 cm
Product Width	2.25 in / 5.72 cm
Product Height	2.25 in / 5.72 cm
Product Weight	2.5 lbs / 1.13 kg
Package Dimensions (Inches)	16-1/2 by 2-3/4 by 2-3/4
Package Weight	3 lbs / 1.36 kg
Country of Origin	US
Harmonization Code:	8515.11.0000
RoHS Compliant	Yes
IEC 60335-1, Edition 5.1, 2013-12	Yes
IEC 60335-2-45, Edition 3.2, 2012-01	Yes
WEEE Compliant	Yes
CE Certified	Yes
Understanding Tip Measurements	Explanation
Warranty Policy	Details
User Manual	User Manual

# **SIMILAR PRODUCTS**

The following products are related (similar model but different specifications, etc.) to Model 3158X-250 featured on this page:

Model	Product Name
3158-200	200 Watt, 5/8" Heavy-Duty Soldering Iron

# **APPLICATIONS**

Users of this product have stated that they use it for several jobs which include but are not limited to:

- 1. Soldering cables & electrical harnesses for aerospace sector
- 2. Branding lettering on parts
- 3. Soldering stained glass on professional level and volume
- 4. Soldering heavy leads onto PC board
- 5. Soldering stained and leaded glass soldering
- 6. Repairing some airframe components
- 7. Soldering commercial sheetmetal soldering in locations where propane and open flames are prohibited (hospitals, refineries, etc.)
- 8. Soldering lead-taps on transformer
- 9. Soldering required in the manufacturing of stained glass lamps
- 10. Restoration of Antique Clocks
- 11. Melting inserts into plastic parts
- 12. Soldering copper bus for heavy-duty EV charging systems
- 13. Soldering sheet metal, joining seems in zinc countertops
- 14. Soldering on High-end Copper Lighting
- 15. Fabrication of miscellaneous pieces from sheet metal
- 16. Creating copper art work

### **END-OF-LIFE INSTRUCTIONS**

In an effort to reduce waste and comply with WEEE directive, please do not dispose of product. All American Beauty Tools are serviceable and can be repaired and/or replaced. Please contact manufacturer to make arrangements.