



250 Watt, 5/8" Heavy-Duty Soldering Iron Model: 3158X-250



Description

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)*

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.

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

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 micellaneous pieces from sheet metal

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

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
44S	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

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

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.