

# Model: 3198-550

## 550 WATT, 1-1/8" 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 3198-550 featured on this page:

Model	Product Name
46D	Diamond Style Soldering Tip
46S	Screwdriver Style Soldering Tip
CS-ABKIT	Soldering Iron Maintenance Kit for 1/4" thru 9/8" Irons
CS-BS2	Brass Sponge Tip Cleaner
CS-FX3	Flux_4 oz Jar with Cap Brush
CS-FX5	Ruby Fluid Liquid Flux (Pint)
CS-ISB-98	1-1/8" Industrial Spiral Brush
CS-PB50-3	Solder_Meter Bar_Lead Bearing
CS-PBF3	Solder_Meter Bar_PB Free
CS-TT2	Solid Sal Ammoniac Block



### 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 3198-550 featured on this page:

Model	Product Name
3919	Replacement Handle/Cord set for Heavy-Duty Irons
3935	Replacement Item_Set Screws
46C	Chisel Style Soldering Tip
9279-550	Replacement 550 Watt Compression-Wound Heating Element

## TECHNICAL SPECIFICATIONS

Standard Tip Style	Chisel
Wattage	550 watts
AMP Draw	< 5 Amp
Maximum Temperature	1050 °F / 566°C
Stand included?	Yes
Available in a 220-240 VAC?	Yes, available upon request
Tip Diameter	1.125 in
Tip Length	5.87 in / 14.91 cm
Product Length	15 in / 38.10 cm
Product Width	3 in / 7.62 cm
Product Height	3 in / 7.62 cm
Product Weight	4.75 lbs / 2.15 kg
Package Dimensions (Inches)	17-3/4 by 3-1/4 by 3-1/4
Package Weight	5 lbs / 2.27 kg
Country of Origin	US
Cage Code	02105
Harmonization Code:	8515.11.0000
RoHS Compliant	Yes
BS EN IEC 60335-1:2023+A11:2023	Yes
BS EN 60335-2-45:2002+A11:2023	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 3198-550 featured on this page:

Model	Product Name
3178-300	300 Watt, 7/8" Heavy-Duty Soldering Iron
3178E-300	300 Watt Heavy-Duty Ergo Iron
3198E-550	550 Watt Heavy-Duty Ergo Iron
A29406	400 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. Melting sealant on PTFE flexible stadium roofs
2. Testing fire/heat detectors in no-flame areas (gas stations)
3. Soldering stainless steel roofing and flashing
4. Soldering 14 gauge and thinner copper gutters, awnings, roofs and flashing
5. Soldering down Spout to 1/2 Round Copper Gutter
6. Soldering 3/4"Dia. pipe to an aluminum water pan
7. Joining barrels of shotgun with 'ribs'
8. Soldering copper conductor tubes to industrial size capacitor coil packages
9. Soldering commercial sheetmetal soldering in locations where propane and open flames are prohibited (hospitals, refineries, etc.)
10. Soldering wire cloth dandy roll on paper machine
11. Soldering copper conductor tubes to industrial size capacitor coil packages
12. Reflowing heat welding polyester felt into a tube
13. Soldering battery cables on aircraft
14. Melting drive belts for conveyor systems
15. Soldering to make lead flashings
16. Cutting rope and nylon webbing
17. Soldering on large electric motors
18. Soldering flat panel roofing

## 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.