

Model: 3178-300

300 WATT, 7/8" 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)*

Great for copper gutters, dormers, awnings, stainless steel or galvanized roofing, Brass fixturing and similar manufacturing or hobbyist and artisan applications.

ACCESSORIES

The following products can be used as Accessories for Model 3178-300 featured on this page:

Model	Product Name
45D	Diamond Style Soldering Tip
45S	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-78	7/8" Industrial Spiral Brush
CS-PB50-3	Solder_Meter Bar_Lead Bearing
CS-PBF3	Solder_Meter Bar_PB Free
CS-TT2	Solid Sal Ammoniac Block
V3700	Voltage Controller for Soldering 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 Will consistently outperform and outlast ordinary soldering iron tips many times over. **Plug-style tip design** provides for superior heat transfer and easy cleaning.

Hardwood contoured handle provides excellent thermal and electrical insulating properties, for durability, comfort and balance.

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 3178-300 featured on this page:

Model	Product Name
3919	Replacement Handle/Cord set for Heavy-Duty Irons
3934	Replacement Item_Set Screws
45C	Chisel Style Soldering Tip
9277-300	Replacement 300 Watt Compression-Wound Heating Element

TECHNICAL SPECIFICATIONS

Standard Tip Style	Chisel
Wattage	300 watts
AMP Draw	< 3 Amp
Connection Type	NEMA 5-15P
Maximum Temperature	1050 °F / 566°C
Stand included?	Yes
Available in a 220-240 VAC?	Yes, available upon request
Tip Diameter	.875 in
Tip Length	5.14 in / 13.06 cm
Product Length	14.375 in / 36.51 cm
Product Width	3 in / 7.62 cm
Product Height	3 in / 7.62 cm
Product Weight	3.30 lbs / 1.50 kg
Package Dimensions (Inches)	17.75 by 3.25 by 3.25
Package Weight	4 lbs / 1.81 kg
Country of Origin	US
Harmonization Code:	8515.11.0000
Cage Code	02105
NSN #	3439-00-223-2528
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 3178-300 featured on this page:

Model	Product Name
3178E-300	300 Watt Heavy-Duty Ergo Iron
3198-550	550 Watt, 1-1/8" Heavy-Duty Soldering Iron
A29306	300 Watt, 5/8" Heavy-Duty Soldering 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. Testing fire/heat detectors in no-flame areas (gas stations)
2. Melting self-adhesive plastic onto itself
3. Soldering connections during the manufacturing of motors
4. Soldering sheet metal (20 gauge & thinner copper gutters, awnings, roofs and flashing)
5. Soldering down Spout to 1/2 Round Copper Gutter
6. Restoration of antique automotive starters
7. Soldering fabricated letters made from sheet metal
8. Soldering sculptural building/tool making
9. Soldering Solder Blocks in Flat Braided Wire
10. Restoration of galvanized tin trim & molding on 1915 row-home
11. Heating Bolts
12. Soldering copper wire connections
13. Soldering and desoldering aircraft components
14. Soldering connections on automobile auto-starters
15. Soldering copperfoil, splicing high-voltage wire cables
16. Reflowing solder for purpose of hermetically sealing instrumentation
17. Assembly copper, lead coat copper, & brass lanterns
18. Soldering Cable Splicing
19. Soldering RF shielded enclosures
20. Repairing auto-body damage

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.