Thank you for placing your trust in our company by purchasing the temperature-controlled WELLER W-series soldering irons. Production was based on stringent quality require- ments which guarantee the perfect operation of the device.

1. Caution!

Please read these Operating Instructions and the attached safety information carefully prior to initial operation. Failure to observe the safety regulations results in a risk to life and limb.

The manufacturer shall not be liable for damage resulting from misuse of the machine or unauthorised alterations.

The temperature-controlled WELLER W-series soldering irons corresponds to theEC Declaration of Conformity in accordance with the basic safety requirements of Directives 89/336/EEC and 73/23EEC.

2. Description

The temperature-controlled WELLER W-series soldering irons are suitable for a broad range of demanding soldering applications on electrical components with extremely high heat sensitivity and are therefore ideal for use in industrial production and for maintenance work on electrical appliances. The industrial soldering irons of the W series have a solidly constructed heating element and a wide selection of "Longlife" soldering tips. The various power classes 60 W, 100 W, and 200 W provide the solution to a multitude of different soldering tasks. Temperature is controlled according to the WELLER Magnastat principle.

If the tip is cold, the permanent magnet is attracted by the ferromagnetic temperature sensor. This actuates the switch. As the sensor approaches the Curie point, it loses its ferro- magnetic properties and can no longer hold the permanent magnet. The magnet is released and the switch returns to its off-position (the power supplied to the heating element is interrupted). If the tip cools slightly, the temperature sensor attracts the permanent magnet and power is supplied once again. The temperature sensors An additional advantage of this design is that the soldering iron is switched off when the tip is changed. The heating ele- ment cannot therefore burn out if the soldering tip is remo- ved.

Fig.: Weller Magnastat System see cover.

Table: Soldering tips 21 + 22.

3. Commissioning

Bend the soldering iron stand using the enclosed bending template. Place the soldering iron in the safety stand. Ensure that there are no combustible objects in the immediate vici- nity of the soldering iron. Check whether the mains voltage matches the connected load of the soldering iron. Insert the mains plug of the soldering iron into the mains socket. When the necessary heating-up time has elapsed, wet the solde- ring tip with a little solder. You can then begin soldering.

Fig.: Bending instructions and bending template see page 23 + 24.

4. Important

Do not allow the soldering tip to become seized up. Applying a thin layer of graphite to the end of the soldering tip and fre- quent withdrawal of the soldering tip prevents unwanted sei- zing up. The soldering tip should be cleaned using a water- soaked cleaning sponge. When the soldering iron is not in use, always place the soldering iron in the original stand. Ensure that the soldering tip is well tinned during breaks bet- ween soldering.

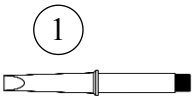
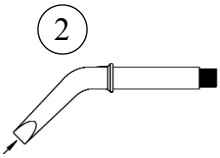
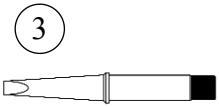
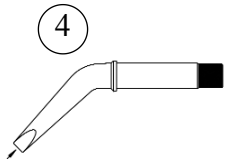
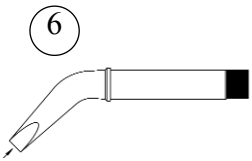
Do not pick the heating element up using pliers or tap it clean. Attaching the sleeve nut by hand (when the soldering iron is cold) is sufficient to secure the soldering tip.

5. Scope of Supply

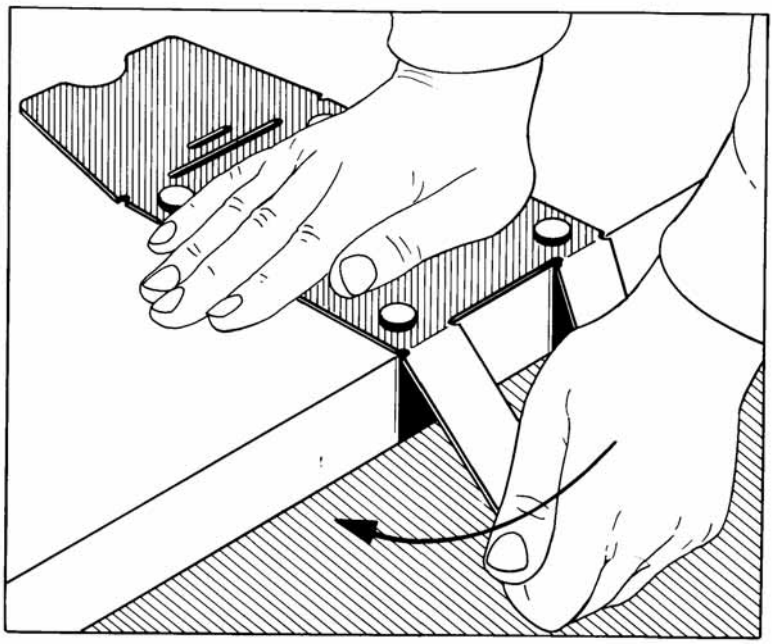
Soldering iron
Stand
Operating instructions
Safety Information

Technical Data

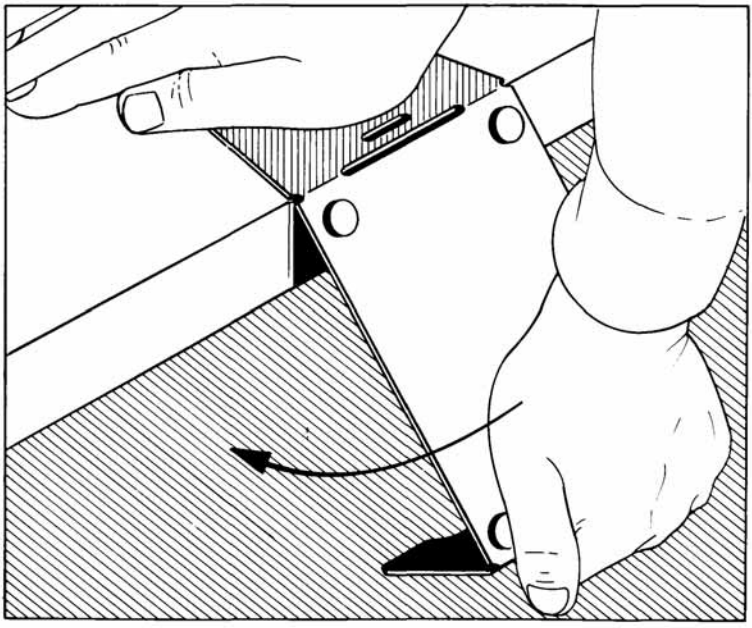
	Voltage* (temperature)	Power output	Protection class	Standard tip
W 61	230 V AC	60 W	I	CT5B7 (370°C)
W 101	230 V AC	100 W	I	CT6E7 (370°C)
W 201	230 V AC	200 W	I	CT2F7 (370°C)

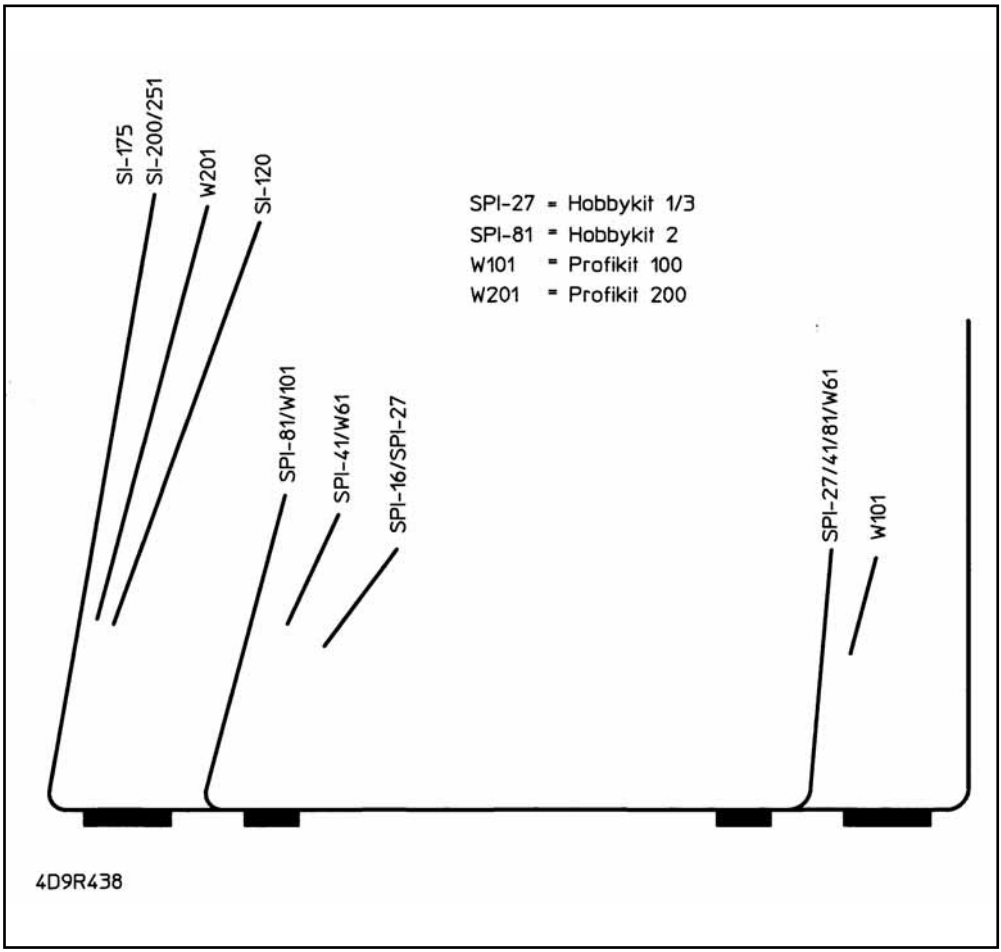
Bezeichnung und Modell Description and model	Breite Width	Bestell-Nr. Order-No. 260°C	310°C	370°C	425°C
	1.6 mm	CT5A5 5 42 005 99 99	CT5A6 5 42 006 99	CT5A7 5 42 007 99	CT5A8 5 42 008
	2.4 mm	CT5B5 5 42 015 99 99	CT5B6 5 42 016 99	CT5B7 5 42 017 99	CT5B8 5 42 018
	3.2 mm	CT5C5 5 42 025 99 99	CT5C6 5 42 026 99	CT5C7 5 42 027 99	CT5C8 5 42 028
	5.0 mm	CT5D5 5 42 035 99 99	CT5D6 5 42 036 99	CT5D7 5 42 037 99	CT5D8 5 42 038
	1.6 mm	CT5AX5 5 42 105 99 99	CT5AX6 5 42 106 99	CT5AX7 5 42 107 99	CT5AX8 5 42 108
	2.4 mm	CT5BX5 5 42 115 99 99	CT5BX6 5 42 116 99	CT5BX7 5 42 117 99	CT5BX8 5 42 118
	3.2 mm	CT5CX5 5 42 125 99 99	CT5CX6 5 42 126 99	CT5CX7 5 42 127 99	CT5CX8 5 42 128
	5.0 mm	CT5DX5 5 42 135 99 99	CT5DX6 5 42 136 99	CT5DX7 5 42 137 99	CT5DX8 5 42 138
	3.2 mm	- - 99	CT6CX6 5 42 306 99	CT6CX7 5 42 307 99	CT6CX8 5 42 308
	5.0 mm	- - 99	CT6DX6 5 42 316 99	CT6DX7 5 42 317 99	CT6DX8 5 42 318
	7.0 mm	- - 99	CT2E6 5 42 406 99	CT2E7 5 42 407 99	CT2E8 5 42 408
	10.0 mm	- - 99	CT2F6 5 42 416 99	CT2F7 5 42 417 99	CT2F8 5 42 418
	11,0 mm	- - 99	CT2G6 5 42 426 99	CT2G7 5 42 427 99	CT2G8 5 42 428
	7.0 mm	-	CT2EX6	CT2EX7	CT2EX8

1



2




SI-175
SI-200/251
W201
SI-120
SPI-81/W101
SPI-41/W61
SPI-16/SPI-27
SPI-27/41/81/W61
W101
SPI-27 = Hobbykit 1/3
SPI-81 = Hobbykit 2
W101 = Profikit 100
W201 = Profikit 200
4D9R438

www.wellersoldering.com

WELLERSOLDERING.COM
TW House
Oxford Road
Calne
Wiltshire
SN11 8RS
TEL E. 00 1249 822100 00 1249 821818
Fax 00 1249 821919

Weller® is a registered Trademark and registered Design of Cooper Industries

005 56 082 05 / 07.07

Copyright by Cooper Tools GmbH, Germany