# WR 3M – High-End Rework

WR 3M

Air

Vac

Pick Up

Vac

Weller®
Made in Germany

350 °C
150 350 350

~1~
Air
~2~
~1·2·3~
~3~
Pick Up
multi function

**COOPER** Hand Tools

WR 3M

3 5

150 350

Vac

Weller ®
Made in Germany

3

2

Pick Up

Vac

# Content

# WR 3M – Innovation newly designed

- **3 tool channels with automatic tool detection**

- **Large LCD display**

- **Own vacuum channel for pick-up**

- **USB port**

- **Innovative special functions**

- **Comprehensive PC software**

- **All High-Speed Micro-Tools can be connected**

- **New powerful hot-air pencil**

# WR 3M – Rework on high

## New Design

Weller has developed a new design of repair station to the highest level: the WR 3M.

The versatile repair station is specifically tailored to the needs and requirements of professional repairs to latest-technology electronic sub-assemblies in industrial production engineering and in the repair and laboratory fields.

## 3 independent tool channels

with automatic tool detection guarantee the simultaneous operation of 3 soldering tools.

Precise temperature control performance at the soldering tip is guaranteed by the digital control electrotechnology together with superior-quality sensor and heat-transfer technology. High-speed measured-value acquisition provides for maximum temperature precision and optimum dynamic temperature performance in load situations.

## High-Speed Micro Tools

All Weller High-Speed Micro Tools such as the WMRP micro soldering bit and the WMRT micro desoldering tweezers can be connected. But also extremely powerful bits, such as the new HAP 200 hot-air pencil, can be easily connected.

## Hot-air pencil HAP 200

The HAP 200 provides a directional hot air flow that is adjustable. Electronic temperature control from 50°C to 550°C. Different nozzles available as accessory. Finger switch controls adjustable pump. (For use with WR 3M only.)

HAP 200 Hor air pencil

WP 80 Soldering Iron, 80 W / 24 V

## USB port

The WR 3M is equipped with a mini USB port. The extensive PC software supplied can be used to update the software on the control unit. Monitor software for monitoring, parameterising and data logging is included in the software package.

## Operation simplicity

The big LCD display allows clear information and simple handling.

Innovative special functions such as automatic channel changing, temperature preselection buttons for each channel, Factory Calibration Check.

## Accessories

## WRK Set

The newly developed, innovative desoldering system facilitates soldering and desoldering of large SMT components up to 30 x 30 mm. The desoldering system can be connected to the additional vacuum channel (pick up) of the WR 3M.

## WVP

Components can be easily and safely moved with the aid of the WVP vacuum pipette. The housing is antistatic and the vacuum nipples are available in 2 different sizes. The desoldering system can be connected to the additional vacuum channel (pick up) of the WR 3M.

DSX 80 Desoldering Iron 80 W / 24 V

## Technical data

| | |
|---|---|
| Dimensions: | L x W x H (mm): 237 x 235 x 102 |
| Weight: | approx. 6.7 kg |
| Mains supply voltage: | 230 V, 50 Hz (120 V, 60 Hz) |
| Power consumption: | 420 W |
| Safety class: | I and III, housing antistatic |
| Fuse: | Overcurrent release 2 A (4 A) |
| Temperature control of channels: | Soldering and Desoldering iron stepless 50°C – 550°C (150°F – 999°F)<br><br>Controllable temperature range is tool-dependent |
| Temperature accuracy: | ± 9°C (± 17°F) |
| Temperature stability: | ± 2°C (± 4°F) |
| Pump (periodic duty (30/30) s): | Max. vacuum 0.7 bar<br>Max. delivery rate 18 l/min<br>Hot air max. 15 l/min |
| Additional Pump: | Max. vacuum 0.5 bar<br>Max. delivery rate 1.7 l/min |
| Equipotential bonding: | Via 3.5 mm pawl socket on back of device |

DXV 80 Desoldering Iron 80 W / 24 V

## WR 3M scope of delivery

Order No. 005 33 666 99
- ◼ WR 3M repair station
- ◼ Adapter for HAP 200 hot-air pencil
- ◼ CD with USB software
- ◼ USB cable

## WR 3000M set scope of delivery

Order No. 005 33 686 99
- ◼ WR 3M
- ◼ HAP 200 Hot-air pencil with WDH 30 Safety rest
- ◼ DSX 80 Desoldering iron with WDH 30 Safety rest
- ◼ WP 80 Soldering iron with WDH 10 Stop + go Safety rest
- ◼ WVP Vacuum pick up
- ◼ WDC 2 Dry cleaner

Version with Inline Desoldering iron
Order No. 005 33 683 99
- ◼ HAP 200 hot-air pencil and WDH 30 Safety rest
- ◼ DXV 80 desoldering iron with WDH 40 Safety rest
- ◼ WP 80 Soldering Iron with WDH 10 Stop + Go Safety rest
- ◼ WVP Vacuum pick up
- ◼ WDC 2 Dry cleaner
- ◼ Mains Cable Standard (F) and UK (G)

# Weller Flexibility

Refer to the matrix to make your choice of connecting tools for the WR 3M.
(See Matrix page 26)

## HAP 200 Hot air pencil set

**HAP 200**
**005 27 117 99**

The HAP 200, 200 W/24 V, provides a directional hot airflow that is adjustable and static-free. Electronically temperature controlled from 50°C to 550°C. Different nozzles available as accessories. Finger switch controls speed adjustable pump. Hot air pencil set, consisting of HAP 200 with finger switch, WDH 30 Safety rest for pencil, nozzle 1,2 mm and 3,0 mm, key and nutdriver for nozzle changing.

## DSX 80 Desoldering iron and service kit

**DSX 80**
**005 33 138 99**

An 80 W/24 V desoldering iron for electronics rework. Electronically temperature controlled. Micro-finger switch controls quick-start, fast action vacuum pump. Different interchangeable tiplets, plus several CSF devices are available as accessories. DSX 80 set, consisting of DSX 80 Desoldering iron, WDH 30 Safety rest, cleaning tool, glass collector, two desoldering nozzles, gasbet, anti-bloc paste, filter.

## HAP 1 Hot air pencil set

**HAP 1**
**005 33 114 99**

The HAP 1, 100 W/24 V, provides a directional hot airflow that is adjustable and static-free. Electronically temperature controlled from 50°C to 550°C. Different nozzles available as accessories. Finger switch controls speed adjustable pump. Hot air pencil set, consisting of HAP 1 with finger switch, WDH 30 Safety rest for pencil, nozzle 1,2 and 3,0 mm, key and nutdriver for nozzle changing.

## DXV 80 Inline desoldering set

**DXV 80**
**005 13 181 99**

Connectable to all 80 W desoldering stations. Handle utilizes the nonreturnable tin collector to hold the extracted solder. Use off thred less DX nozzles. DXV 80 set, consisting of DXV 80 Desoldering iron, and WDH 40 Safety rest for iron.

## WMRP Soldering pencil set for RT soldering tips

**WMRP**
**005 29 171 99**

The RT soldering tips have an extremely short heat-up time.  All component parts of the system, such as the sensor and heating element, are designed for optimum heat transfer. This ensures absolute efficiency in the utilization of the power provided by the supply unit. The recovery time is minimized. Changing soldering tips is quick, easy, and, most importantly, requires no tools. WMRP set, consisting of WMRP soldering pencil, RT 3 soldering tip and WDH 50 Safety rest.

## WP 80 Micro Soldering pencil set

**WP 80**
**005 29 181 99**

The 80 W micro soldering pencil WP 80 persuades with its short tip-to-grip design, being of big advantage for work under microscopes. The distance from grip to the tip is 40 mm only. WP 80 set, consisting of WP 80 soldering pencil and WDH 10 Safety rest.

## WSP 80 Micro soldering pencil set

**WSP 80**
**005 33 125 99**

A micro soldering pencil, 80 W/24 V. This soldering pencil can be universally used in all situations from extremely delicate soldering to those where there is a greater temperature requirement. WSP 80 set, consisting of WSP 80 Micro soldering pencil with WDH 10 Safety rest.

## MPR 80 Peritronic soldering pencil set

**MPR 80**
**005 33 131 99**

An 80 W Antistatic Peritronic soldering pencil that gives all-round vision when making intricate connections. Antistatic cord and handle. Electronically temperature controlled. Consists of MPR 80 Peritronic soldering iron and KH 25P Safety rest.

## WMP Micro soldering pencil set

**WMP**
**005 33 153 99**

The 65 W micro pencil is up to the task with superior performance for both heat-up and thermal efficiency. Suitable to handle all micro components and fine pitch tasks. The WMP provides an extremely short tip-to-grip distance. The heater is integrated into the handle. When the tip wear out the heating element goes on. WMP set consisting of WMP micro soldering pencil and WDH 20T Safety rest with Stop + Go function for WMP.

## WSP 150 Soldering iron set

**WSP 150**
**005 33 135 99**

The WSP 150, 150 W/24 V, soldering iron was specially developed for soldering tasks with extremely high heat requirements. The 150 W heater power combined with optimal transfer of heat to the soldering iron bit guarantees the high performance capability of the soldering iron. WSP 150 set, consisting of WSP 150 Soldering iron, WDH 30 Safety rest for iron.

## LR 82 Soldering iron set

**LR 82**
**005 33 113 99**

An 80 W/24 V soldering iron for high mass soldering. Dual sensor, electronically temperature controlled. LR 82 set, consisting of LR 82 Soldering iron, WDH 30 Safety rest for iron.

## LR 21 Soldering pencil set

**LR 21**
**005 33 112 99**

Electronically temperature controlled 50 W/24 V soldering pencil. LR 21 set, consisting of LR 21 Soldering pencil, WDH 30 Safety rest for pencil.

# Weller Flexibility

Refer to the matrix to make your choice of connecting tools for the WR 3M.
(See Matrix page 24)

## WMRT Tweezers

**WMRT**
**005 13 173 99**

The new WMRT desoldering tweezers 80 W/24 V enable with their twin parallel adjusted tiplets a significant precise and desoldering of very small SMD components. Placed in the Safety rest WMRTH the tips are automatically switched off for increasing endurance.

## WTA 50 Tweezers

**WTA 50**
**005 33 133 99**

The tweezers are used to desolder SMD components. The tweezers have two moveable heating elements. WTA 50 set, consisting of WTA 50 Tweezer, AK 51 Safety rest for Tweezers.

## WST 20 Thermal wire stripper with Safety rest

**WST 20**
**005 25 030 99**

The WST 20, 50 W/24 V, copes with all known thermo-elastic plastics. Adjustable for a stripping length up to 30 mm. Additional blades available for stripping flat cables and shrinking.

## WST 82 Thermal wire stripper with Safety rest

**WST 82**
**005 25 031 99**

The WST 82 is the 80 W version of the WST 20. Adjustable for a stripping length up to 30 mm. Additional blades available for stripping flat cables and shrinking.

## WSB 80 Solder bath

**WSB 80**
**005 27 040 99**

The WSB 80 is a very useful rework preparation tool. The solder bath is temperature controlled continuously from 50°C to 450°C via an existing 80 W power source. The solder bath can be used to tin wire ends and clean leads of all extraneous solder particles in preparation for reworking. (Usable for lead free solder.)

## WSB 150 Solder bath

**WSB 150**
**005 27 042 99**

The WSB 150 solder bath is optimally suited to tin coating and preparation of soldering components. It has a temperature range of 50°C – 550°C with heat output of 150 W. To guard against dripping solder residue, the solder bath is placed in a V2A tray, supplied as an optional extra. (Usable for lead free solder.)

## WHP 80 (80 W/24 V) Preheating plate

**WHP 80**
**005 27 08 99**

With a heating surface of 80 x 50 mm, they preheat IC boards prior to micro rework.

## WVP Vacuum Pick-Up

**WVP Vacuum pick-up**
**005 29 184 99**

Vacuum pick-up for easy manually handling of SMD components. The housing is antistatic. The vacuum nipples are available in two different sizes.

## WRK Chip Removal kit

**WRK Chip kit**
**005 15 155 99**

Innovative desoldering system to solder and desolder SMD components up to the size of 30 x 30 mm.

# Hot Air Nozzles

for hot air pencil HAP 1 and HAP 200

Adapter
Order No.
005 87 617 28

x

y

| Description | Dimensions (mm) x        y | Type | Order No. |
|---|---|---|---|
| Hot air nozzle four sides heated with hot plate | 18,0 x 18,0 16,0 x 16,0 12,0 x 12,0 | Q 10 SK 769B SK 709 | 005 87 277 85 005 87 278 16 005 87 278 12 |
| Hot air nozzle four sides heated with hot plate | 12,5 x 15,0 | Q 08 | 005 87 277 83 |
| Hot air nozzle four sides heated with hot plate | 15,0 x 10,0 | Q 06 | 005 87 277 80 |
| Hot air nozzle four sides heated with hot plate | 6,0 x 9,0 | Q 04 | 005 87 277 78 |
| Hot air nozzle four sides heated with hot plate | 6,0 x 6,5 | Q 02 | 005 87 277 77 |
| Hot air nozzles two sides heated with hot plate | 10,0 x 18,0 | D 10 | 005 87 277 84 |
| Hot air nozzle two sides heated with hot plate | 15,0 x 10,0 | D 08 | 005 87 277 81 |
| Hot air nozzle two sides heated with hot plate | 10,0 x 13,0 | D 06 | 005 87 277 82 |
| Hot air nozzle two sides heated with hot plate | 10,5 x 10,5 | D 04 | 005 87 277 79 |
| Measuring nozzle for thermo element Ø 0,5 mm | – | R 01 | 005 87 278 08 |

# Hot Air Nozzles

for hot air pencil HAP 1 and HAP 200

x

y

Adapter
Order No.
005 87 617 28

| | Description | Dimensions (mm) x        y | Type | Order No. |
|---|---|---|---|---|
| | Flat nozzle | 12,0 x 1,5 | F 06 | 005 87 277 72 |
| | Flat nozzle | 10,5 x 1,5 | F 04 | 005 87 277 73 |
| | Flat nozzle | 8,0 x 1,5 | F 02 | 005 87 277 74 |
| | Round nozzle long straight | Ø 2,0 | R 10 | 005 87 277 87 |
| | Round nozzle long bent | Ø 2,0 | R 08 | 005 87 277 86 |
| | Round nozzle | Ø 3,0 | R 06 | 005 87 278 22 |
| | Round nozzle | Ø 1,2 | R 04 | 005 87 278 21 |
| | Round nozzle | Ø 0,8 | R 02 | 005 87 278 23 |
| | Dual nozzle | Ø 1,5 x 10,0 | FD 4 | 005 87 277 75 |
| | Dual nozzle | Ø 1,5 x 8,0 | FD 2 | 005 87 277 76 |

# Nozzles

Threadless nozzles for desoldering iron
DSX 80, DSXV 80 and DXV 80

SUPERIOR
LEAD
FREE
PERFORMANCE

The new X series nozzle feature a threadless fixture system whereby the nozzle is inserted into the head and locked into place by apllying a 1/4 turn. This feature allows the nozzles to be quickly and easily exchanged and also improves the rate of thermal transfer from the head to the nozzle.

**DSX 80**

**DSXV 80**

**DXV 80**
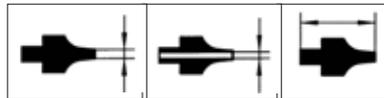
| | Model | Description | mm | mm | mm | Order No. |
|---|---|---|---|---|---|---|
| | DX110 | Nozzle | 1,9 | 0,7 | 23 | 005 13 140 00 |
| | DX111 | Nozzle | 2,5 | 0,7 | 23 | 005 13 141 00 |
| | DX112 | Nozzle | 2,3 | 1,0 | 23 | 005 13 142 00 |
| | DX113 | Nozzle | 2,5 | 1,2 | 23 | 005 13 143 00 |
| | DX113HM | Nozzle with improved thermal transfer | 2,5 | 1,2 | 23 | 005 13 150 00 |
| | DX114 | Nozzle | 3,3 | 1,8 | 23 | 005 13 144 00 |
| | DX115 | Nozzle | 1,9 | 0,7 | 23 | 005 13 145 00 |
| | DX116 | Nozzle | 2,7 | 1,2 | 29 | 005 13 146 00 |
| | DX117 | Nozzle | 2,9 | 1,5 | 23 | 005 13 147 00 |
| | DX118 | Nozzle | 1.5 | 0.7 | 23 | 005 13 148 00 |
| | DX119 | Needle Tiplet with not wettable stainless steel tube for removal of solder bridges in connection with hot air pencil | 1,1 | 0,7 | 31 | 005 13 151 00 |
| | DX120 | Nozzle without inside tube, for cleaning of SMD pads | 2,5 | 1,1 | 22 | 005 13 152 00 |
| | DX Measuring Nozzle | for temperature measurement with thermocouple 0.5 | 3,3 | 0,55 | 21,5 | 005 13 153 99 |
| | Conus insert | cleaning tool | | | | 005 87 067 94 |
| | DX Nozzle Set | DX 110-DX115 | | | | 005 13 790 99 |

16

# Soldering Tips

Plug-in adjusted Soldering Tip Set for WMRT

| | Order No. | Model | Description | Width A | Thickness B |
|---|---|---|---|---|---|
| Ø 0,4 | 005 44 651 99 | RTW 1 | Tip set bent 45° | Ø 0,4 mm | |
| 0,4 / 0,7 | 005 44 652 99 | RTW 2 | Tip set bent 45°, Chisel | 0,7 mm | 0,4 mm |
| 0,7 / 3 | 005 44 653 99 | RTW 3 | Tip set bent 45°, Chisel | 3 mm | 1,0 mm |
| 0,7 / 6 | 005 44 654 99 | RTW 4 | Tip set bent 45°, Chisel | 6 mm | 1,0 mm |
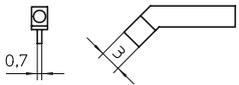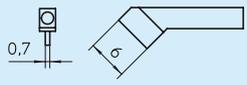
# Soldering Tips

Soldering tips for WMRP

**SUPERIOR LEAD FREE PERFORMANCE**

| | Order No. | Model | Description | Width A | Thickness B |
|---|---|---|---|---|---|
| | 005 44 601 99 | RT1 | Needle tip | Ø 0,2 mm | |
| | 005 44 612 99 | RT1SC | Chisel | 0,4 mm | 0,15 mm |
| | 005 44 602 99 | RT2 | Round tip slim | Ø 0,8 mm | |
| | 005 44 603 99 | RT3 | Chisel tip | 1,3 mm | 0,4 mm |
| | 005 44 604 99 | RT4 | Chisel tip | 1,5 mm | 0,4 mm |
| | 005 44 605 99 | RT5 | Chisel tip bent 30° | 0,8 mm | 0,4 mm |
| | 005 44 606 99 | RT6 | Round tip 45° sloped | 1,2 mm | |
| | 005 44 607 99 | RT7 | Knife tip 45° sloped | 2,2 mm | |
| | 005 44 608 99 | RT8 | Chisel tip | 2,2 mm | 0,4 mm |
| | 005 44 609 99 | RT9 | Chisel tip | 0,8 mm | 0,4 mm |
| | 005 44 610 99 | RT10 | Gull wing | 1,2 mm | 2,0 mm |
| | 005 44 611 99 | RT11GW | Chisel tip | 3,6 mm | 0,9 mm |
| | 005 44 613 99 | RT | Measuring Tip | | |

# Soldering Tips

for WSP 80, WSP 80FE, WP 80 and MPR 80

**SUPERIOR LEAD FREE PERFORMANCE**

**Weller®**

WSP 80 (FE)    WP 80    MPR 80

| Description | Width A | Thickness B | Length | Type | Order No. |
|---|---|---|---|---|---|
| Chisel | 0,4 mm | 0,15 mm | 15,0 mm | LT 1SC | 005 44 494 99 |
| Chisel | 0,8 mm | 0,4 mm | 13,5 mm | LT H | 005 44 437 99 |
| Chisel* | 0,8 mm | 0,4 mm | 13,5 mm | LT HHPB | 005 44 430 99 |
| Chisel | 1,6 mm | 0,7 mm | 13,5 mm | LT A | 005 44 403 00 |
| Chisel* | 1,6 mm | 0,7 mm | 13,5 mm | LT AHPB | 005 44 431 99 |
| Chisel | 2,4 mm | 0,8 mm | 13,5 mm | LT B | 005 44 405 00 |
| Chisel* | 2,4 mm | 0,8 mm | 13,5 mm | LT BHPB | 005 44 432 99 |
| Chisel | 3,2 mm | 0,8 mm | 13,5 mm | LT C | 005 44 407 00 |
| Chisel | 4,6 mm | 0,8 mm | 13,5 mm | LT D | 005 44 409 00 |
| Chisel* | 4,6 mm | 0,8 mm | 13,5 mm | LT DHPB | 005 44 483 00 |
| Chisel long | 1,2 mm | 0,4 mm | 21,0 mm | LT K | 005 44 413 00 |
| Chisel long | 2,0 mm | 1,0 mm | 21,0 mm | LT L | 005 44 414 00 |
| Chisel long | 3,2 mm | 1,2 mm | 21,0 mm | LT M | 005 44 415 00 |
| Chisel bent | 0,8 mm | 0,4 mm | 18,0 mm | LT HX | 005 44 420 99 |
| Chisel bent | 1,6 mm | 0,7 mm | 18,0 mm | LT ALX | 005 44 443 00 |
| Chisel bent | 2,4 mm | 0,8 mm | 18,0 mm | LT BX | 005 44 442 00 |
| Chisel bent | 1,6 mm | 0,8 mm | 13,5 mm | LT AX | 005 44 427 00 |
| Chisel bent 30° | Ø 1,2 mm | 0,4 mm | 16,5 mm | LT 4X | 005 44 428 00 |
| Round slim | Ø 0,2 mm | | 15,0 mm | LT 1S | 005 44 436 99 |
| | Ø 0,5 mm | | 16,0 mm | LT 1SA | 005 44 488 99 |
| | Ø 0,5 mm | | 14,0 mm | LT 1A | 005 44 489 99 |
| Round | Ø 0,25 mm | | 14,0 mm | LT 1 | 005 44 435 99 |
| Round | Ø 1,6 mm | | 13,5 mm | LT AS | 005 44 404 00 |
| Round | Ø 3,2 mm | | 13,5 mm | LT CS | 005 44 411 00 |
| Round slim bent 30° | Ø 2,0 mm | Ø 0,4 mm | 20,5 mm | LT 1SLX | 005 44 426 99 |
| Round bent 30° | Ø 0,4 mm | | 12,5 mm | LT 1X | 005 44 425 99 |
| Round sloped 45° slim | Ø 1,2 mm | | 15,0 mm | LT 4 | 005 44 421 00 |
| Round sloped 45° | Ø 1,2 mm | | 13,5 mm | LT F | 005 44 408 00 |
| Round sloped 45° long | 2,4 mm | 4,0 mm | 18,0 mm | LT BB | 005 44 444 00 |
| Round sloped 45° long | 3,2 mm | 6,0 mm | 18,0 mm | LT CC | 005 44 445 00 |

\*   **HPB solder** = solder with high consumption of lead for special applictations
   **All Weller "Longlife" tips are ideal for working with leadfree solder**

# Soldering Tips

for WSP 80, WSP 80FE, WP 80 and MPR 80

**SUPERIOR LEAD FREE PERFORMANCE**

WSP 80 (FE)          WP 80          MPR 80

| | Description | Width A | Thickness B | Length | Type | Order No. |
|---|---|---|---|---|---|---|
| | Conical long | Ø 0,2 mm | | 26,4 mm | LT 1L | 005 44 423 99 |
| | Conical long | Ø 0,4 mm | | 21,0 mm | LT S | 005 44 406 99 |
| | Conical long bent | Ø 0,2 mm | | 26,4 mm | LT 1LX | 005 44 424 99 |
| | Gull wing 45° | Ø 2,3 mm | 3,2 mm | 18,8 mm | LT GW | 005 44 410 00 |
| | Knife tip | 6,2 mm | | 16,0 mm | LT KNLF | 005 44 479 00 |
| | LT Measuring tip for thermo element | Ø 0,5 mm | | 13,0 mm | | 005 44 416 00 |
| | LT Screw in tip with M4 thread | | 8,0 mm | | | 005 44 449 99 |

**All Weller "Longlife" tips are ideal for working with leadfree solder**

## SMT soldering tip for reworks on SMT compontents
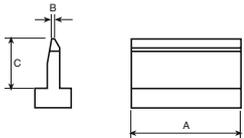
| | Description | Width A | Thickness B | Length C | Type | Order No. |
|---|---|---|---|---|---|---|
| | Blade | 10,4 mm | 0,6 mm | 7,1 mm | LT SMT01 | LTSMT01 |
| | Blade | 16,8 mm | 0,6 mm | 7,1 mm | LT SMT02 | LTSMT02 |
| | Blade | 20,8 mm | 0,6 mm | 7,1 mm | LT SMT03 | LTSMT03 |
| | Slot | 1,8 mm | 3,4 mm | 1,8 mm | LT SMT04 | LTSMT04 |
| | Slot | 1,5 mm | 2,3 mm | 1,8 mm | LT SMT05 | LTSMT05 |
| | Slot | 2,5 mm | 1,7 mm | 1,4 mm | LT SMT06 | LTSMT06 |
| | Slot | 2,3 mm | 4,5 mm | 1,8 mm | LT SMT07 | LTSMT07 |
| | Tunnel | 4,6 mm | 5,1 mm | 2,3 mm | LT SMT08 | LTSMT08 |
| | Tunnel | 10,4 mm | 5,1 mm | 2,3 mm | LT SMT09 | LTSMT09 |
| | Tunnel | 11,5 mm | 6,9 mm | 2,3 mm | LT SMT10 | LTSMT10 |
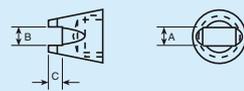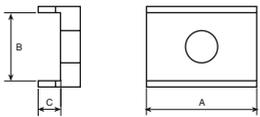
# Soldering Tips

for micro soldering pencil WMP

**NT-Tip**

| | Description | Width A | Thickness B | Length C | Type/Order No. |
|---|---|---|---|---|---|
| | Chisel tip | 0,4 mm | 0,15 mm | 14,0 mm | NT 1SC |
| | | 0,8 mm | 0,4 mm | 8,4 mm | NT H |
| | | 1,2 mm | 0,4 mm | 8,4 mm | NT K |
| | | 1,6 mm | 0,4 mm | 9,5 mm | NT A |
| | | 1,6 mm | 0,4 mm | 7,4 mm | NT 6 |
| | | 2,4 mm | 0,8 mm | 7,8 mm | NT B |
| | | 3,2 mm | 0,8 mm | 8,2 mm | NT C |
| | | 4,0 mm | 0,8 mm | 8,6 mm | NT D |
| | Chisel tip, bent | 1,6 mm | 0,4 mm | 8,2 mm | NT AX |
| | Round tip, bent 45° | Ø 0,4 mm | | 8,6 mm | NT 1X |
| | Round tip | Ø 0,25 mm | – | 7,4 mm | NT 1 |
| | Round tip slim | Ø 0,25 mm | – | 8,5 mm | NT 1S |
| | Round tip, sloped 45° | Ø 1,2 mm | – | 9,9 mm | NT 4 |
| | Gull wing | 2,0 mm | 3,0 mm | 13,4 mm | NT GW |
| | NT Measuring tip for thermo element | Ø 0,5 mm | – | – | NT MS |

# Soldering Tips

for soldering iron WSP 150

**SUPERIOR LEAD FREE PERFORMANCE**

| Description | Width A | Thickness B | Type | Order No. |
|---|---|---|---|---|
| Chisel | 3,2 mm | 1,2 mm | LHT C | 005 44 455 99 |
|  | 4,7 mm | 1,8 mm | LHT D | 005 44 452 99 |
|  | 6,7 mm | 1,8 mm | LHT E | 005 44 451 99 |
|  | 9,3 mm | 1,8 mm | LHT F | 005 44 450 99 |
| Chisel bent | 5 mm | 2 mm | LHT DX | 005 44 462 00 |
|  | 7 mm | 2 mm | LHT EX | 005 44 461 00 |
|  | 10 mm | 2 mm | LHT FX | 005 44 460 00 |
| Sloped 45° for solar panel production | – | – | LHT D45 | 005 44 456 00 |
| LHT Measuring tip for thermo element Ø 0,5 mm | – | – | – | 005 44 453 99 |
| LHT Screw tip with outer threat M6 |  |  |  | 005 44 454 00 |

# Accessories

**Weller®**

## Dry Cleaner WDC (005 15 124 99)

Soft solution for cleaning from lead free solder with metal wool.

## Dry Cleaner WDC 2 (005 15 125 99)

Soft solution for cleaning from lead free solder with metal wool. For WDH safety rests.

## Tip Activator (005 13 031 99)

For regeneration of oxidized tips, works fast and easy with low temperature. Environmentally safe, no halides, lead, rosin or residue. Regular use will prolong life time of the tips.

## Cleaning Tool (005 13 500 99)

For cleaning of desoldering nozzles and for nozzle exchange.

## Service Set (005 13 124 99)

Spare filter for Desoldering iron DSX 80

## Barrel for Soldering Iron WSP 80 and WP 80

| | |
|---|---|
| Barrel for WSP 80 | 005 87 447 10 |
| Barrel long f. WP 80 (55 mm) | 005 87 448 46 |
| Barrel short f. WP 80 (40 mm) | 005 87 448 45 |

## Cartridge (005 87 418 15)

Spare cartridge for Desoldering iron DXV 80, 5 pieces

## Polishing Bar (WPB 1)

Grindstone for removal of compact oxid films

## Sponge (005 22 419 99) 5 pcs.

Dimensions 70 x 55 x 16 mm

# Additional Safety Rests

## Safety rests with Stop+Go Function

The safety rests with Stop+Go function have an integrated micro switch which is activated when the soldering iron is picked up or put down. The operator can decide between an immediate or delayed (20 min) temperature reduction (SETBACK) to 150°C (300°F) and programme the power unit accordingly.
For digital Soldering units only.

**WMPT Soldering Set** (005 33 159 99)

Consisting of WMP Soldering Iron and WDH 20T Safety rest with Stop + Go function.

## Standard Safety rests

complete with sponge

**WDH 10** (005 15 121 99)

Safety rest for WP 80 Micro soldering pencil

**WDH 20** (005 15 122 99)

Safety rest for WMP Micro soldering pencil

**WDH 30** (005 15 152 99)

Safety rest for HAP 200 Hot air pencil, HAP 1 Hot air pencil, DSX 80 Desoldering iron, LR 21 Soldering pencil, WSP 150 Soldering iron and LR 82 Soldering iron

**WDH 40** (005 15 153 99)

Safety rest for DXV 80 Desoldering iron

**WDH 50** (005 15 156 99)

Safety rest for WMRP Micro soldering pencil with Stop + Go function

**WDH 10T** (005 15 161 99)

Safety rest for WP 80 and WSP 80 Micro soldering pencil with Stop + Go function

**WDH 20T** (005 15 162 99)

Safety rest for WMP Micro soldering pencil with Stop + Go function

**WMRH** (005 15 145 99)

Safety rest for WMRP with Stop + Go function

**WMRTH** (005 15 146 99)

Safety rest for WMRT with Stop + Go function

**KH 25P** (005 15 033 99)

Safety rest for MPR 80 Peritronic soldering pencil

**AK 51** (005 15 042 99)

Safety rest for WTA 50 Tweezer

# Matrix

Weller brings to the market an extended generation of versatile soldering / desoldering and hot air tools. Performance has been increased with soldering irons and desoldering irons up to 200 W.

The Weller WR 3M station easily connects to a variety of new and existing Weller tools and accessories to provide even greater flexibility. The matrix below makes selection easy, and puts you firmly in control of all your workbench needs.

| | Soldering Tip of Delivery | WR 3M |
|---|---|---|
| HAP 200 Hot Air Pencil (WDH 30 Safety rest for HAP 200) | | ■ |
| HAP 1 Hot Air Pencil (WDH 30 Safety rest for HAP 1) | R 06 | ■ |
| WMP Micro Soldering Pencil 65 W (WDH 20T Safety rest for WMP) | NT 1 | ■ |
| DSX 80 Desoldering Iron 80 W (WDH 30 Safety rest for DSX 80) | DX 113HM | ■ |
| DXV 80 Desoldering Iron 80 W (WDH 40 Safety rest for DXV 80) | DX 113HM | ■ |
| WMRP Soldering Pencil (WDH 50 Safety rest for WMRP) | RT 3 | ■ |
| WP 80 Micro Soldering Pencil 80 W (WDH 10 Safety rest for WP 80) | LTB | ■ |
| WSP 150 Soldering Iron 150 W (WDH 30 Safety rest for WSP 150) | LHTF | ■ |
| LR 21 Antistatic soldering pencil set (WDH 30 Safety rest for LR 21) | ETB | ■ |
| WSP 80 Micro Soldering Pencil 80 W (WDH 10 Safety rest for WSP 80) | LTB | ■ |
| LR 82 Antistatic soldering iron set (WDH 30 Safety rest for LR 82) | HT 2 | ■ |
| MPR 80 Antistatic Peritronic soldering pencil set (KH 25P Safety rest for MPR 80) | LTB | ■ |
| WMRT Tweezer (WMRTH Safety rest for WMRT) | RTW 2 | ■ |
| WST 20 Thermal wire stripper with Safety rest | | ■ |
| WSB 80 Solder Bath | | ■ |
| WTA 50 Tweezer (AK 51 Safety rest for WTA 50) | WTA 1 | ■ |
| WST 82 Thermal wire stripper with Safety rest | | ■ |
| WSB 150 Solder Bath | | ■ |
| WHP 80 Preheating Plate | | ■ |

# Notes
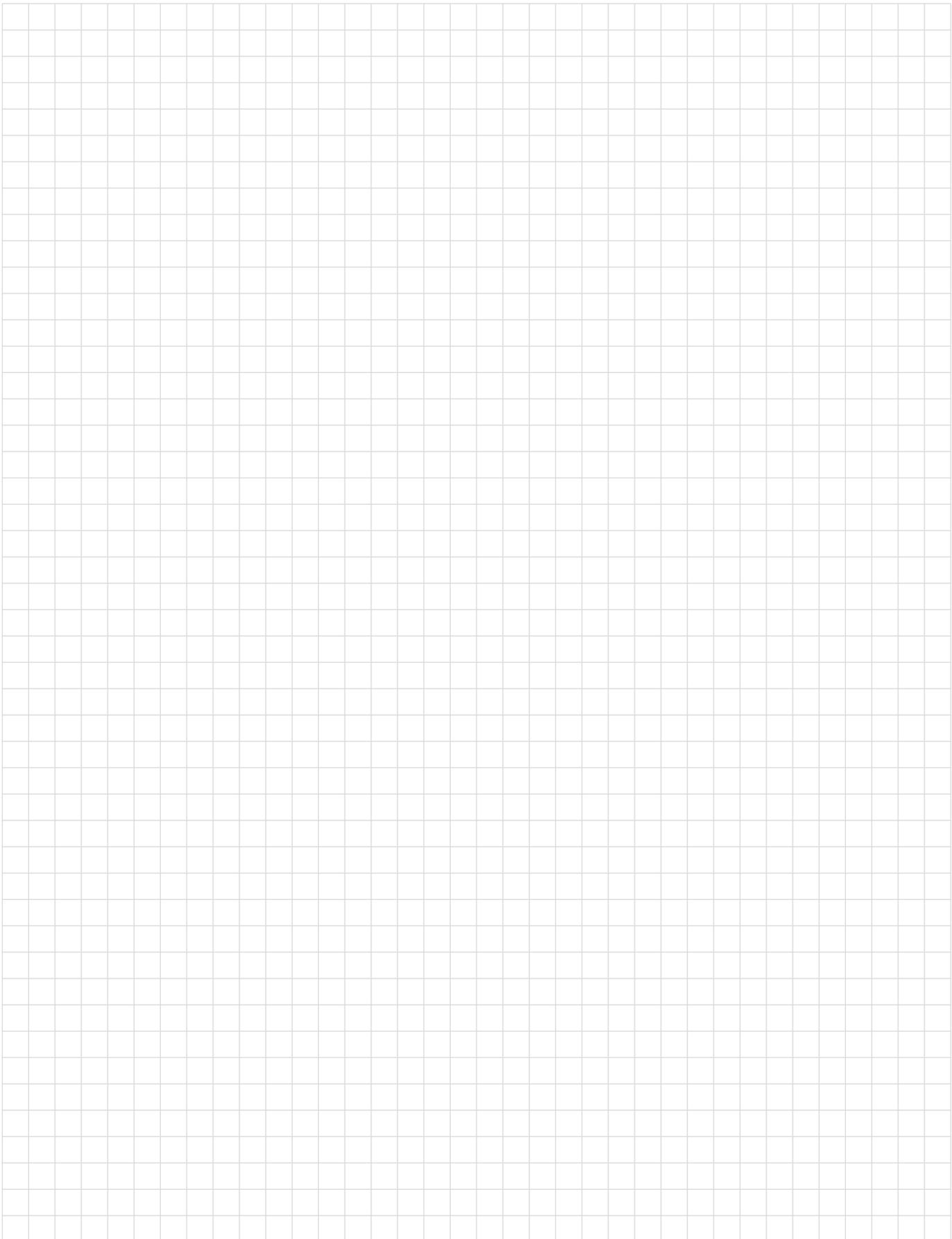
**COOPER** Hand Tools

Campbell® Caulk Master® Crescent® Diamond® Erem® Kahnetics® Lufkin®
Nicholson™ Plumb® H.K.Porter® Weller® Wire-Wrap® Wiss® Xcelite®

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