

Soldering and Desoldering Tips



The ERSADUR Tip-Reactivator allows the regeneration of oxidized soldering tips. It is environmentally safe, free of lead and halogens and functions even at low soldering tip temperatures. For this purpose the heated soldering tip is wiped on the surface of the regeneration compound.



Important notice: special care for soldering tips!

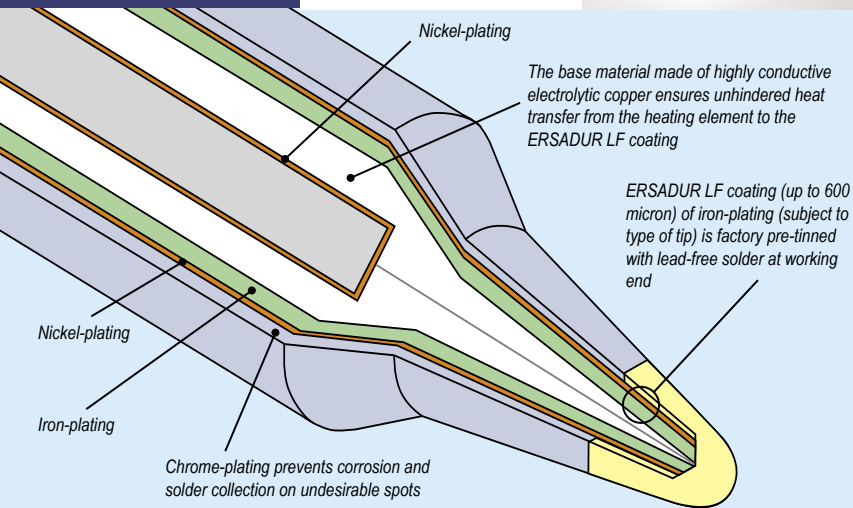
Hand soldering operators are happy when their soldering tips last a long time and continue to solder well. Soldering tips that do not allow the solder to melt rapidly due to excess oxidation clearly disrupt productivity! Special care of the soldering tip should be taken in order to solder efficiently.

Important Facts:

1. When a soldering tip remains hot for a long period of time, the tip will oxidize or blacken. An oxidized tip will no longer „wet“ or melt solder properly.
2. The higher the working temperature of the soldering tip, the faster this oxidation will take place and tip lifetime will be shorter.
3. Soldering irons that automatically go into a lower "stand-by" temperature increase tip life.
4. The oxidation of the tip will be very rapid if the tip is left "cooking" without molten solder covering the tip end. It happens, for example, if the tip is not wetted with solder right after cleaning it.
5. Excessive mechanical force during soldering will shorten the tip life.
6. Proper care of the tip will greatly increase tip life.
7. Lead-free soldering requires higher temperatures, is more aggressive to the tip and will always lead to shorter tip life.

Special Care:

1. Always clean the tip by wiping on a slightly wet sponge after each use. Alternatively, tips can be dry cleaned using wire mesh.
2. Always put fresh solder onto the end of the tip BEFORE putting the tip back into the iron holder.
3. Always use lowest working temperature possible.
4. Never leave an iron "cooking" unattended for some time. Always set iron into automatic stand-by if possible or turn-off when not in use.
5. Never use excessive mechanical force when soldering.
6. Soldering tip oxidation can be easily removed if detected early. Early detection and removal will greatly increase tip life.
7. Tip oxidation removal or tip refurbishing is accomplished in 4 consecutive steps: a. clean on damp sponge, b. clean with wire brush, c. using a Tip re-activator chemical, and d. re-tinning using proper flux cored solder wire.



Cross-section of an ERSADUR soldering tip, non-scale representation



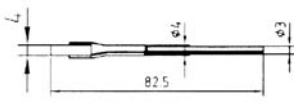
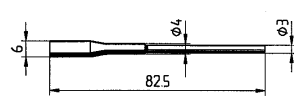
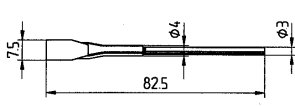
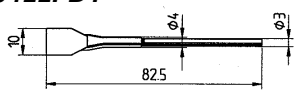
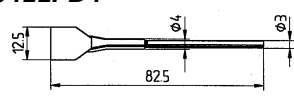
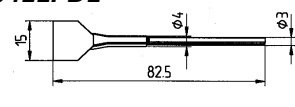
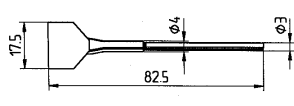
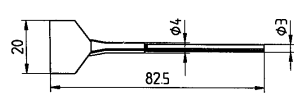
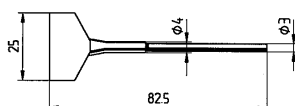
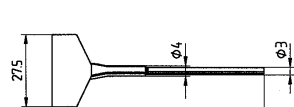
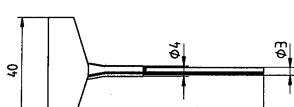
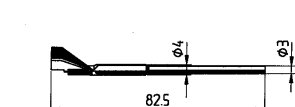
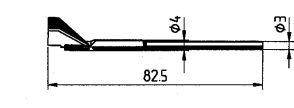
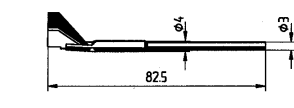
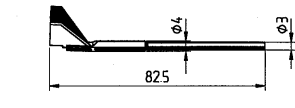
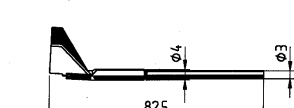
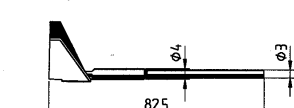
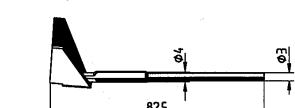
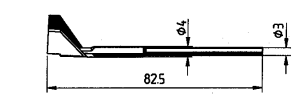
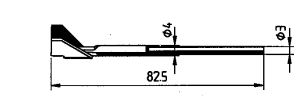
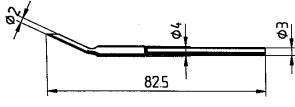
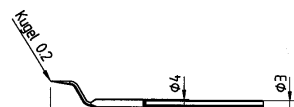
ERSADUR LF soldering tips to process lead-free solders

Conventional soldering tips can also be used for lead-free solders. Since lead-free soldering requires higher process temperatures, and due to the fact that lead-free solder is more aggressive to the soldering tip, the tip's service life is shorter. ERSADUR LF soldering tips have an increased layer of iron, which increases tip life. Consequently they are especially suitable for lead-free soldering.

422 ERSADUR Desoldering Tip Series

For:

- **DIGITAL 2000 A**
with Chip tool
- **MICRO-CON 60 iA**
SMD Desoldering Pincette 40
- **REWORK 80**
- **SMD 8000**
- **SMT UNIT 60 AC / A**
with Chip tool /
SMD Desoldering Pincette 40

<p>0422FD10</p>  <p>4 mm, for e.g. SO 8 GT/14 GT/16GT</p>	<p>0422ED</p>  <p>6 mm, for e.g. SOIC 8</p>	<p>0422FD3</p>  <p>7,5 mm, for e.g. SOIC 12 / SOT 23</p>
<p>0422FD1</p>  <p>10 mm, for e.g. SOIC 16</p>	<p>0422FD4</p>  <p>12.5 mm, for e.g. SOIC 20</p>	<p>0422FD2</p>  <p>15 mm, for e.g. SOIC 24</p>
<p>0422FD5</p>  <p>17.5 mm, for e.g. SOIC 28</p>	<p>0422FD6</p>  <p>20 mm, for e.g. SOIC 32</p>	<p>0422FD7</p>  <p>25 mm, for e.g. SOIC 40</p>
<p>0422FD8</p>  <p>27.5 mm, for components of 27.5 mm side length</p>	<p>0422FD9</p>  <p>40 mm, for components of 40 mm side length</p>	<p>0422QD5</p>  <p>90°, length 10 mm, for e.g. PLCC 20</p>
<p>0422QD1</p>  <p>90°, length 12.5 mm, for e.g. PLCC 28</p>	<p>0422QD6</p>  <p>90°, length 15 mm, for e.g. QFP, TQFP and TQFP 0T25</p>	<p>0422QD3</p>  <p>90°, length 17.5 mm, for e.g. PLCC 44</p>
<p>0422QD4</p>  <p>90°, length 20 mm, for e.g. PLCC 52</p>	<p>0422QD2</p>  <p>90°, length 25 mm, for e.g. PLCC 68</p>	<p>0422QD7</p>  <p>90°, length 30 mm, for e.g. PLCC 84</p>
<p>0422RD1</p>  <p>length 22.5 x 16.5 mm, for e.g. QFP 100</p>	<p>0422RD2</p>  <p>length 15 x 12.5 mm, for e.g. PLCC 32</p>	<p>0422MD</p>  <p>ellipse, for MELF and MINIMELF</p>
<p>0422SD*</p>  <p>for MICROMELF</p>	<p>*Please note: The desoldering tips 0422SD must be used in combination with the tip turn protection set (see page 24) to ensure good results. Tip turn protection set for TC 40 desoldering pincette and Desoldering Pincette 40 on request.</p>	

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