

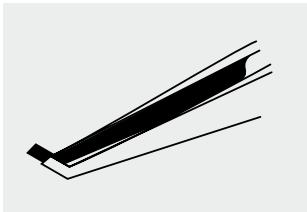
# Tweezers

## SMD tweezers

- High-quality precision tweezers for SMD jobs with different designs (chip, MELFs, mini MELFs)
- Blunted edges prevent damage to printed-circuit boards



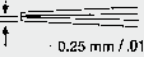
## SMD tweezers – Angled tips



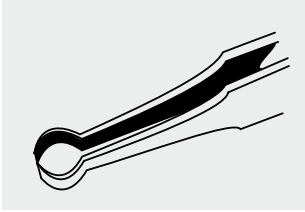
- Suitable for perfect handling of chips and miniature components
- Suitable for assembling SMD printed-circuit boards or ceramic substrates
- Bent shape facilitates optimum access to confined spaces and provides excellent visibility of the area to be worked on
- For all models with the suffix CA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant

 115 mm/4.528 Inch



Model		Description
<b>102ACA</b> 	15 g 0.53 oz.	SMD tweezers, angled 45°, with pointed tips for vertical application.
<b>102ACAX</b> 	14 g 0.49 oz.	Model same as 102ACA, but reverse clamping action for easy holding.
<b>103ACA</b> 	15 g 0.53 oz.	SMD tweezers, angled 45°, with slightly wider tips for vertical application.


## SMD tweezers – Round tips straight



- Suitable for gripping and holding round components and wires
- Blunted edges prevent damage to printed-circuit boards
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant


### 110 mm/4.331 Inch



Model		Description
<b>39SA</b>	15 g 0.53 oz.	SMD tweezers with round tips, dia. 0.3 mm/.011 Inch. Serrated finger grips for secure handling. For gripping small wires and cylindrical components.
<b>40SA</b>	15 g 0.53 oz.	SMD tweezers with round tips, dia. 0.4 mm/.015 Inch. Serrated finger grips for secure handling. For gripping small wires and cylindrical components.

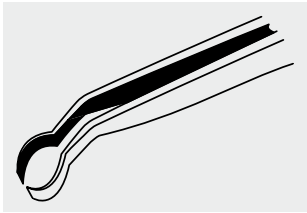
### 120 mm/4.724 Inch



Model		Description
<b>150SAMF</b>	13 g 0.46 oz.	SMD tweezers with round, very narrow tips, dia. 1.2 – 2.5 mm/.047 – .098 Inch. Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
<b>150SAD</b>	13 g 0.46 oz.	SMD tweezers with round tips, dia. 1.5 – 3 mm/.059 – .118 Inch. Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
<b>150SA</b>	13 g 0.46 oz.	SMD tweezers with round tips, dia. 1.5 – 3 mm/.059 – .118 Inch. Serrated finger grips for secure handling. For gripping cylindrical components.
<b>151SA</b>	13 g 0.46 oz.	SMD tweezers with round tips, dia. 3 – 6 mm/.118 – .236 Inch. Serrated finger grips for secure handling. For gripping cylindrical components.

# Tweezers


## SMD tweezers – Round tips bent



- Suitable for gripping fine wires and cylindrical components
- Blunted edges prevent damage to printed-circuit boards
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant

 115 mm/4.528 Inch



Model		Description
<b>32BSA</b>	17 g 0.60 oz.	SMD tweezers, angled 45°, with round tips, dia. 5 mm/.197 Inch.
<b>32BSA20*</b>	17 g 0.60 oz.	SMD tweezers, angled 45°, with round tips, dia. 2 mm/.078
<b>32BSA25</b>	17 g 0.60 oz.	MD tweezers, angled 45°, with round tips, dia. 2.5 mm/.098 Inch.
<b>150SAMB</b>	13 g 0.46 oz.	MD tweezers, angled 40°, with round tips, dia. 1.2 – 2.5 mm/ .047 – .098 Inch. Serrated finger grips for secure handling.

\*Not available in North America