# SPECIAL-TWEEZERS FOR SMD-TECHNIQUE

high precision tweezers from special steel stainless – matt finish – anti–magnetic – acid –resisting - alternative with ESD coating (-13) -

| No. | Length mm | Length inches | Finish / Model | Weight g |
|---|---|---|---|---|
| **5-048** | 110 | 4 3/8" | straight, very sharply pointed, 5 SA | 12 g |
| **5-049** | 110 | 4 3/8" | straight, very sharply pointed, 4 SA | 12 g |
| **5-049-13** | 110 | 4 3/8" | as above, with ESD coating | 12 g |
| **5-051** | 115 | 4 1/2" | straight pointed, 2 SA | 15 g |
| **5-051-13** | 115 | 4 1/2" | as above, with ESD coating | 15 g |
| **5-052** | 110 | 4 3/8" | bent, very sharply pointed, 5b SA | 13 g |
| **5-052-13** | 110 | 4 3/8" | as above, with ESD coating | 13 g |
| **5-059** | 120 | 4 3/4" | flat, rounded tips, 2.0 mm width, 2a SA | 15 g |
| **5-059-13** | 120 | 4 3/4" | as above, with ESD coating | 15 g |
| **5-078** | 130 | 5 1/8" | tapering, chisel, 1.0 mm width, PSF SA | 16 g |
| **5-078-13** | 130 | 5 1/8" | as above, with ESD coating | 16 g |
| **5-053** | 110 | 4 3/8" | obliquely angled, very sharply pointed, 51 SA | 13 g |
| **5-053-13** | 110 | 4 3/8" | as above, with ESD coating | 13 g |
| **5-054** | 120 | 4 3/4" | sickle-shape-curved, very sharply pointed, 7abb SA | 16 g |
| **5-054-13** | 120 | 4 3/4" | as above, with ESD coating | 16 g |
| **5-055** | 120 | 4 3/4" | sickle-shaped, very sharply pointed, 7a SA | 15 g |
| **5-055-13** | 120 | 4 3/4" | as above, with ESD coating | 15 g |
| **5-056** | 120 | 4 3/4" | slightly bent, very sharply pointed, 7 SA | 15 g |
| **5-056-13** | 120 | 4 3/4" | as above, with ESD coating | 15 g |
| **5-057** | 120 | 4 3/4" | self-locking, straight-pointed, 31 SA | 13 g |
| **5-058** | 120 | 4 3/4" | self-locking, bent, pointed, 31b SA | 13 g |
| **5-061** | 115 | 4 1/2" | bent, flat rounded tips, 2ab SA | 16 g |
| **5-062** | 115 | 4 1/2" | 35° angled, 2.0 mm width, with gripping cavity Ø 0.8 mm, 59 SA | 16 g |
| **5-062-13** | 115 | 4 1/2" | as above, with ESD coating | 16 g |
| **5-063** | 115 | 4 1/2" | 35° angled, 3.5 mm width, with gripping cavity Ø 0.8 mm, 58 SA | 16 g |
| **5-063-13** | 115 | 4 1/2" | as above, with ESD coating | 16 g |



| No. | Length mm | Length inches | Finish / Model | Weight g |
|---|---|---|---|---|
| **5-065** | 120 | 4 3/4" | straight, 3.0 mm width, with gripping cavity Ø 0.8 mm, 50 SA | 16 g |
| **5-065-13** | 120 | 4 3/4" | as above, with ESD coating | 16 g |
| **5-066** | 120 | 4 3/4" | 30° angled, 2.5 mm width, 8b SA | 15 g |
| **5-066-13** | 120 | 4 3/4" | as above, with ESD coating | 15 g |
| **5-067** | 120 | 4 3/4" | tip 45° angled, 2.0 mm width, 12 SA | 15 g |
| **5-067-13** | 120 | 4 3/4" | as above, with ESD coating | 15 g |
| **5-068** | 120 | 4 3/4" | tip angled, 1.6 mm width, 13 SA | 13 g |
| **5-068-13** | 120 | 4 3/4" | as above, with ESD coating | 13 g |
| **5-071** | 85 | 3 3/8" | thin, straight-pointed, OC SA | 8 g |
| **5-072** | 110 | 4 3/8" | thin, straight-pointed, 3c SA | 11 g |
| **5-073** | 140 | 5 1/2" | long-thin, straight, very sharply pointed, SS SA | 13 g |
| **5-073-13** | 140 | 5 1/2" | as above, with ESD coating | 13 g |
| **5-074** | 120 | 4 3/4" | straight, pointed, 1 SA | 14 g |
| **5-075** | 140 | 5 3/4" | straight, very sharply pointed, grip surface offset, 60 SA | 13 g |
| **5-076** | 120 | 4 3/4" | rigid, straight, pointed, 00 SA | 19 g |
| **5-076-13** | 120 | 4 3/4" | as above, with ESD coating | 19 g |
| **5-077** | 130 | 5 1/8" | wide, tapering, pointed, AA SA | 16 g |
| **5-077-13** | 130 | 5 1/8" | as above, with ESD coating | 16 g |



## CUTTING TWEEZERS

made from Carbon Steel, extremely hard, excellent sharpness at the cutting edges. For cutting of soft copper, gold and silver wires up to 0.25 mm Ø.

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|---|---|---|---|---|
| **5-079** | 115 | 4 1/2" | Carbon Steel, matt finish 15 AGW | 25 g |
| **5-079-13** | 115 | 4 1/2" | as above, with ESD coating | 25 g |

