

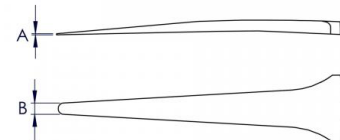
ESD Tweezer replaceable plastic tips

45-060-00xx (0032-0033)

High performance replaceable plastic carbon fibre reinforced tips for safe use on sensitive electronic components.

Technical data:

Surface resistance: $< 1 \times 10^4 \Omega$
 Application standards: IEC 61340



Replaceable plastic carbon fibre reinforced tips from Knipex

- For particularly demanding precision work: tough and highly resistant to corrosion
- Maximum surface protection when handling sensitive electronic components, micro-mechanical parts, as well as glass and ceramic components
- For the electronics and precision engineering industries, watchmakers and jewellers
- Handcrafted body: polished edges and an excellent matt, scratch-free and non-reflective surface
- High-quality premium stainless steel body: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
- The interchangeable tips are made from 30% carbon fibre reinforced plastic: very good electrical and thermal conductivity, scratch-proof and with high abrasion resistance
- The interchangeable, carbon fibre reinforced plastic tips have a surface resistance between 10^2 and 10^4 ohms to compensate in a controlled manner the differences in potential between the operator and electronic components
- The interchangeable tips are permanently temperature stable up to 130°C , and up to 190°C for short periods
- The carbon fibre reinforced plastic tips are extremely flexible, fatigue-resistant, vibration-dampening and water-repellent
- The tips have good chemical resistance to most oils, lubricants, fuels and nonpolar solvents
- The same accuracy and stability as regular tweezers: the plastic tips have a 3-point connection with zero backlash (2 fixed points on the arms, one screw), which guarantee the user perfect attachment to the body with zero backlash
- Potential savings: the tip assortment includes a selection of the most diverse shapes. Depending on the application, only the tips need to be purchased later



Features	Picture	Part nr
Model nr: Knipex 92 89 02 / A5CF Replacement tips fits 45-060-0028 Straight, fine tips Gripping surfaces: smooth surfaces Weight: 1 g Dimensions: 40 x 8 x 3.5 mm Surface: matt finish Finish: straight Tips width (A): 0.4 mm Tips width (B): 0.6 mm Corrosion-resistant: yes Acid resistance: very good Magnetic: non-magnetisable (100%)		45-060-0032
Model nr: Knipex 92 89 05 / A259CF Replacement tips fits 45-060-0031 Straight, fine tips Gripping surfaces: smooth surfaces Weight: 1 g Dimensions: 40 x 8 x 3.5 mm Surface: matt finish Finish: straight Tips width (A): 0.7 mm Tips width (B): 0.6 mm Corrosion-resistant: yes Acid resistance: very good Magnetic: non-magnetisable (100%)		45-060-0033