

ESD Ceramic Replaceable Tip Tweezers (ZJ)

General notes:

- » Zirconia Toughened Alumina (ZTA)
- » a superior combination of high strength (from zirconia) and high hardness (from alumina)
- » relatively low density
- » no open porosity
- » very hard surface, good abrasion and wear resistance
- » good flexural strength and fracture toughness
- » excellent thermal properties and high temperature stability
- » extreme corrosion resistance, nearly chemically inert
- » **ESD Safe static dissipative material**
- » typically applications includes **handling of EOS/ESD** sensitive components, handling of components during thermal, chemical and soldering processes. Generally used when very rigid tips are required.

Thermal properties

| | | |
|-------------------------------|-------------------|--------------|
| Thermal conductivity | 5 W/m K | |
| Coef. of lin. therm expansion | 9.5 E-6/°C | 25°C-1.000°C |
| Continuous Use Temperature | 1400°C | 20.000 h |
| Shock resistance, ΔT | 325°C | |

Electrical properties

| | | |
|---------------------|--|-----------|
| Surface resistivity | 10⁷-10⁹ Ohm/sq. | 100 V |
| Decay time | <0.5 sec | 1.000-10V |



2AZJK.SA

A 0.98" 25mm - B 0.07" 1.8mm - C 0.02" 0.6mm -
D 1.57" 40mm _ Replaceable tips set code: **A2AZJK**



71ZJ.SA

A 1.18" 30mm - B 0.03" 0.7mm - C 0.04" 1.0mm -
D 1.77" 45mm _ Replaceable tips set code: **A71ZJ**



72ZJ.SA

A 1.18" 30mm - B 0.013" 0.35mm - C 0.03" 0.7mm -
D 1.77" 45mm _ Replaceable tips set code: **A72ZJ**



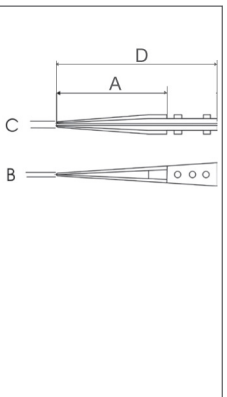
73ZJ.SA

A 1.40" 35 mm - B 0.012" 0.3 mm - C 0.04" 1.00 mm -
D 1.90" 50 mm _ Replaceable tips set code: **A73ZJ**



7ZJ.SA

A 1.2" 30 mm - B 0.028" 0.7 mm - C 0.035" 0.9 mm -
 D 1.57" 40 mm _ Replaceable tips set code: **A7ZJ**

| | A | B | C | D | |
|-----------------|-------------------|----------|----------|----------|---|
| 2AZJK.SA | 25 mm | 1.8 mm | 0.6 mm | 40 mm |  |
| 71ZJ.SA | 30 mm | 0.7 mm | 1.0 mm | 45 mm | |
| 72ZJ.SA | 30 mm | 0.35 mm | 0.7 mm | 45 mm | |
| 73ZJ.SA | 35 mm | 0.3 mm | 2.0 mm | 50 mm | |
| 7ZJ.SA | 30 mm | 0.7 mm | 0.9 mm | 40 mm | |
| PART # | DIMENSIONS | | | | |