

# Ceramic Replaceable Tip Tweezers (MZ)

## 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
- » **electrically insulating**
- » typically applications includes soldering processes, handling of components during thermal and chemical processes. Generally used when very rigid tips are required

## Thermal properties

Thermal conductivity	<b>26 W/m·K</b>	25°C-1.000°C 20.000 h
Coef. of lin. therm expansion	<b>8.0 E-6/°C</b>	
Continuous Use Temperature	<b>1400°C</b>	
Shock resistance, ΔT	<b>325°C</b>	

## Electrical properties

Surface resistivity	<b>&gt;10<sup>12</sup> Ohm-cm</b>
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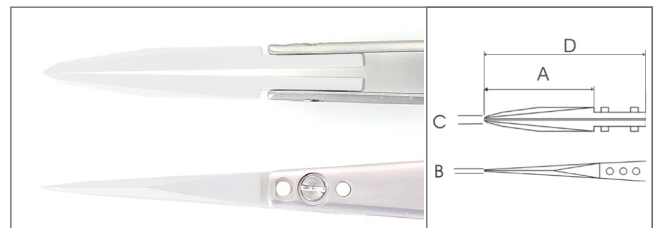
**2AMZ.SA**  
A 1.4" 35mm - B 0.08" 2.0mm - C 0.02" 0.5mm -  
D 1.9" 50mm \_ Replaceable tips set code: **A2AMZ**



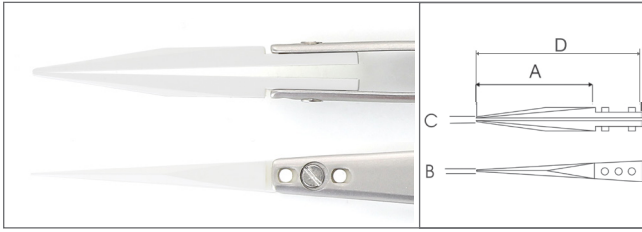
**7MZ.SA**  
A 1.2" 30mm - B 0.03" 0.7mm - C 0.035" 0.9mm -  
D 1.57" 40mm \_ Replaceable tips set code: **A7MZ**



**71MZ.SA**  
A 1.18" 30mm - B 0.03" 0.7mm - C 0.05" 1.2mm -  
D 1.8" 45mm \_ Replaceable tips set code: **A71MZ**

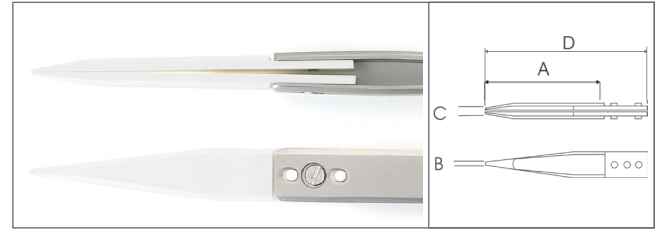


**72MZ.SA**  
A 1.18" 30mm - B 0.01" 0.3mm - C 0.03" 0.7mm -  
D 1.8" 45mm \_ Replaceable tips set code: **A72MZ**



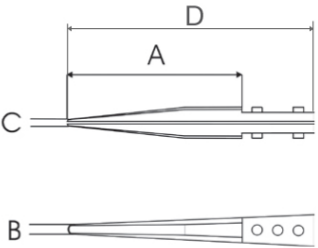
**73MZ.SA**

A 1.4" 35mm - B 0.01" 0.3mm - C 0.04" 1.0mm -  
D 1.9" 50mm \_ Replaceable tips set code: **A73MZ**



**74MZ.SA**

A 1.6" 40mm - B 0.04" 1.0mm - C 0.04" 1.0mm -  
D 2.2" 55mm \_ Replaceable tips set code: **A74MZ**

	A mm	B mm	C mm	D mm	
<b>2AMZ.SA</b>	35	2.0	0.5	50	
<b>7MZ.SA</b>	30	0.7	0.9	40	
<b>71MZ.SA</b>	30	0.7	1.2	45	
<b>72MZ.SA</b>	30	0.3	0.7	45	
<b>73MZ.SA</b>	35	0.3	1.0	50	
<b>74MZ.SA</b>	40	1.0	1.0	55	
<b>PART #</b>	<b>DIMENSIONS</b>				