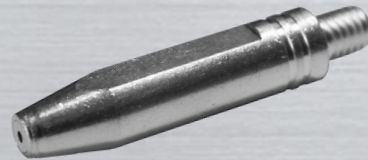


# TopTip™

## Contact Tip



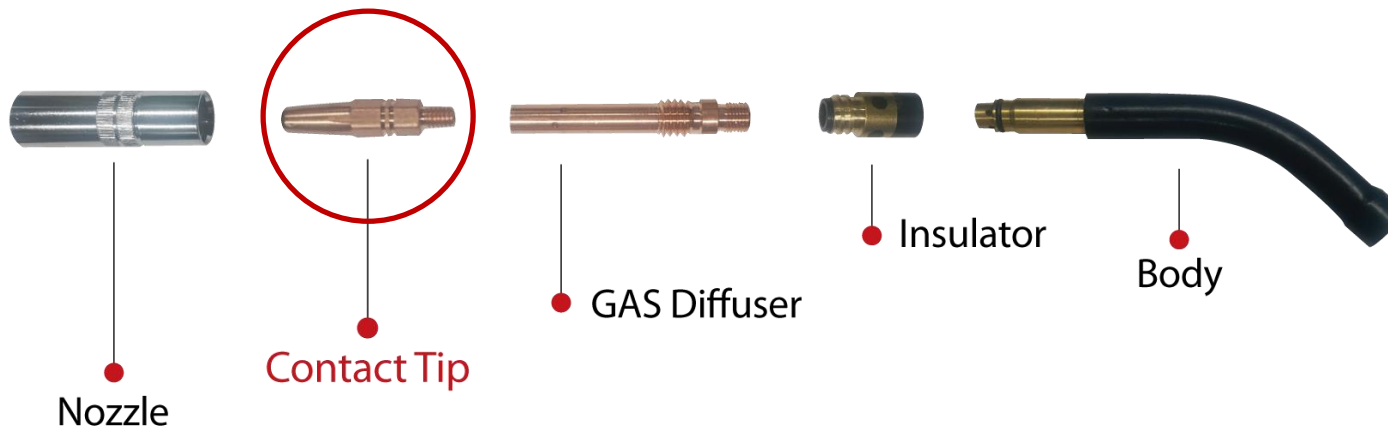
Why is the welding tip only so short in life in your factory ?  
**(We understand you're a great technician)**

What if there is one welding tip for about 2 months ?

# TopTip

**TopTip** is the brand name that pursues the best welding products.

**TopTip** has developed the contact tip (2 months) of the torch component.



# Long Life Cycle

Application : GMAW (CO<sub>2</sub>, MAG, MIG, ★CMT)

Material : Cu alloy + Hard alloy + Silver coating

**【 Cu alloy + Hard alloy + Silver coating / 2 months 】**

Configuration of Contact Tip :



# Effects

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1. **Improved productivity** due to reduced downtime (Replacement and Teaching)
  - ▶ For example, 5 minute tip swap saves 145 minutes a month.  
 $150 \text{ min.}(30\text{days}) - 5 \text{ min.}(\text{one time}) = 145 \text{ min.}$
2. **Decrease of product defect rate**
  - ▶ Significant reduction of product defect rate due to tip
3. **Reduction in manufacturing costs** (noticeable on-site response)
  - ▶ Reduced costs due to high efficiency of welding field management

Finally, cost savings

# Technical Effects

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1. The end of the tip is **hardly heated** by Hard alloy.
  - ▶ Less spatters and thus less birdnest on the tip (**Less Birdnest**)
  - ▶ Removal of spatter is easier than copper part.
2. The end of tip is **hard to wear** due to Hard alloy.
  - ▶ Wear life is prolonged and stable supply of wire improves weld quality.
3. Improvement of electrical conductivity & Thermal barrier effect by silver coating.
  - ▶ Less burnback that electrode wire sticks to tip (**Less Burnback**)

**Finally, significant reduction of product defect rate due to long life cycle of tip**

# Satisfaction

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**Long Life Cycle > Low Defect Rate > High Productivity**



\* Steel plate (14t, 490A) welding.

The product is delivered to HYUNDAI and KIA Motors.

# Myth of customer satisfaction

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Made in KOREA

LONG  
LIFE  
CYCLE

**TopTip**<sup>TM</sup>

Cu alloy + Hard alloy + Silver coating

# **TopTip**<sup>TM</sup> **Contact Tip**



**【 Cu alloy + Hard alloy + Silver coating / 2 months 】**



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