

## TAAA BULLI CICTURE CICTURE



A baseline weld was made using automated welding equipment. Voltage, Wire Feed Speed, Travel Speed and Contact-Tip-to-Work Distance were then adjusted individually from baseline weld settings to illustrate how each parameter affects a fillet weld when raised and lowered. Icons in grey indicate the specific parameter adjusted; in the case of amperage, the icon represents the value measured.

**Baseline Weld Variables** 

Wire Type: 0.035 ER70S-6 (Quantum Arc 6)

**Shielding Gas:** 75% Argon / 25% Carbon Dioxide

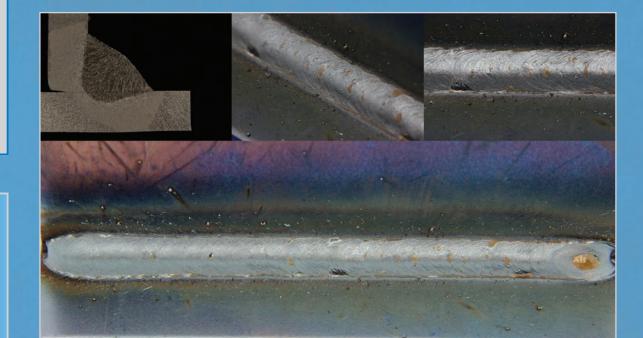
**Base Metal:** 1/8 in. Cold Rolled Carbon Steel **Transfer Mode:** Short Circuit (SCMT)

**Travel Direction:** Forehand (Push)

Nozzle Diameter: 5/8 in.







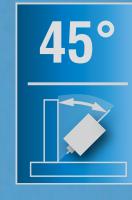
220 00













Decreased /oltage **15.3** 

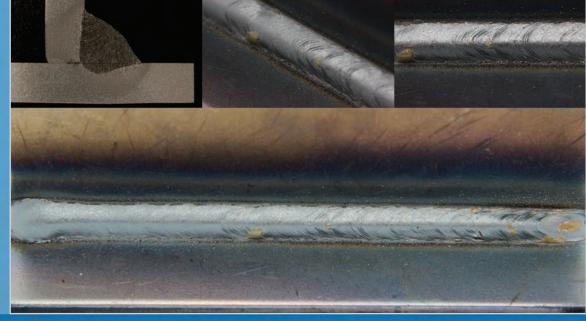


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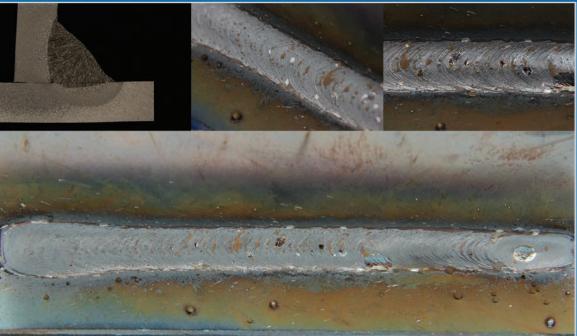
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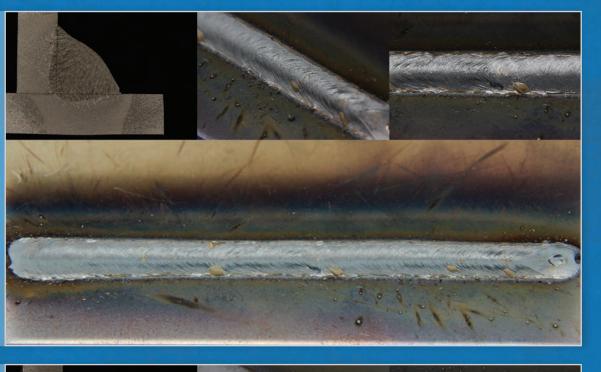


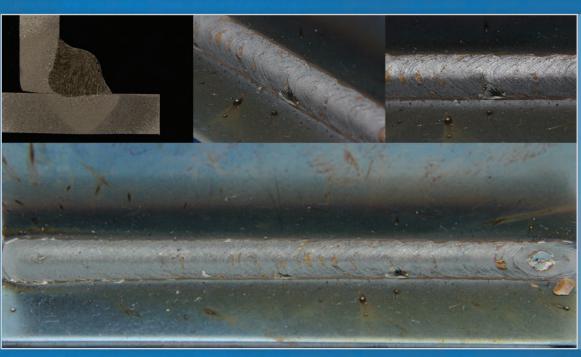


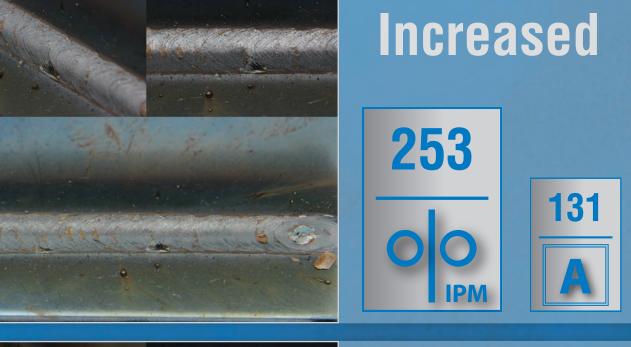
**Feed Speed** Wire



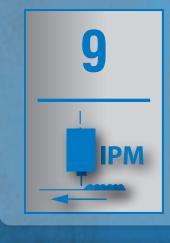






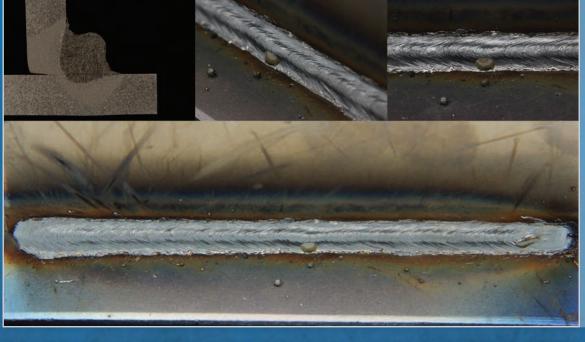


**Travel Speed** 











**Contact Tip To Work** 

