

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

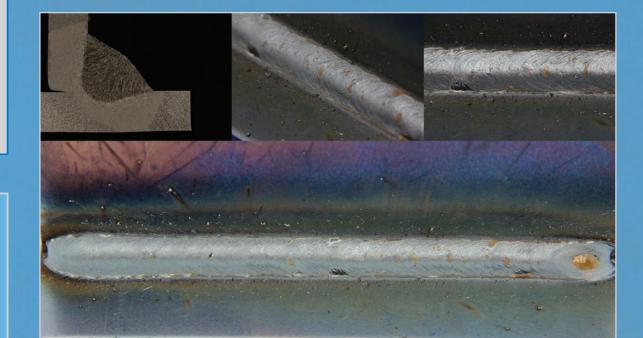
Base Metal: 1/8 in. Cold Rolled Carbon Steel **Transfer Mode:** Short Circuit (SCMT)

Travel Direction: Forehand (Push)

Nozzle Diameter: 5/8 in.







220 00













Decreased /oltage **15.3**

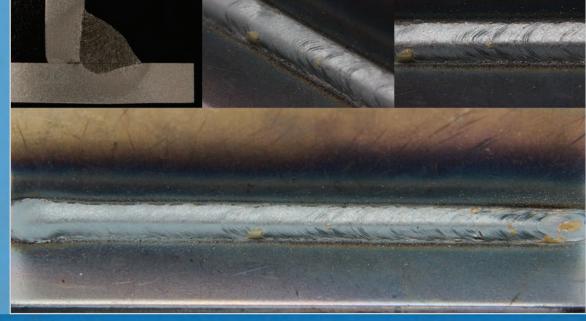


Decreased

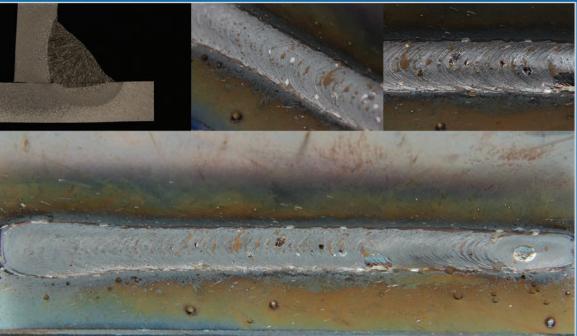
Decreased

Decreased



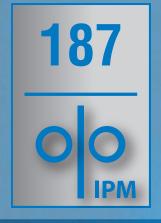




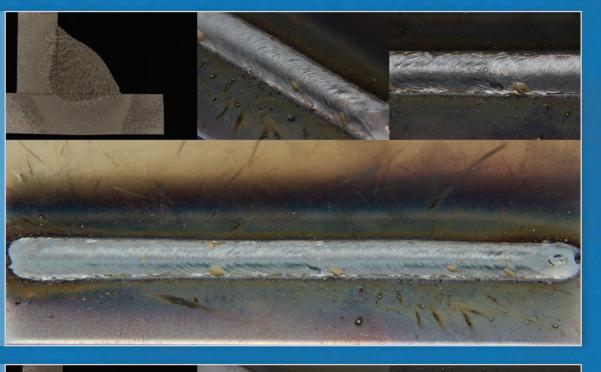


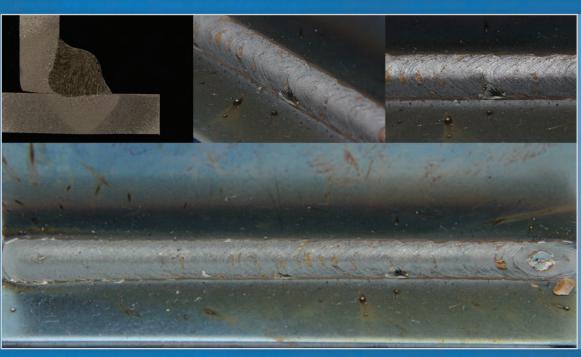


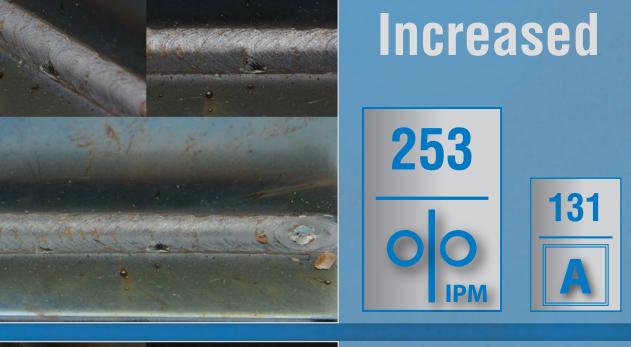
Feed Speed Wire



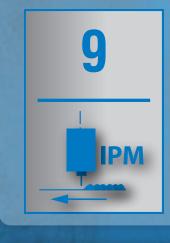






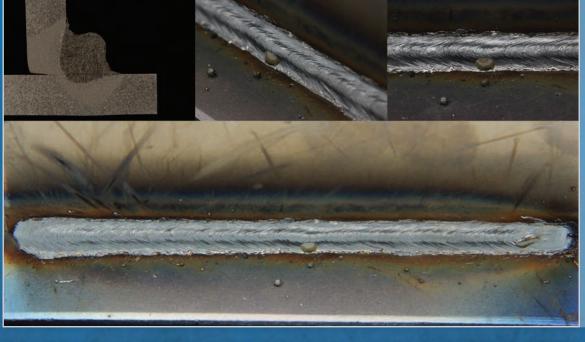


Travel Speed











Contact Tip To Work

