



TECHNIWEAR 70WC[®]

Data Sheet

Description:

Techniwear 70WC is a metal cored open-arc hardfacing overlay that utilizes a specially formulated tungsten carbide to produce a “highly feathered” microstructure that is unusually hard and more abrasion resistant than standard tungsten carbide hardfacing wires. Operates at lower than normal currents to minimize dilution and help develop its high hardness and unique microstructure in the first layer. For extreme earth abrasion resistance with little or no impact.

Specifications

Wire Type: Metal-cored, open-arc or gas-shielded
Deposits are slag-free

Weld Deposit Properties:

Hardness: Tungsten Carbide - 2300 HV
Combined Hardness: 70+ Rc
Deposit Thickness: 2 layers maximum
Deposits will readily relieve check-crack

Welding Parameters

Diameter	1/16“(1.6mm)	3/32”(2.4mm)
Current <i>amps</i>	120-240	250-350
Voltage (DCRP) volts	23-26	23-26
Stickout inch (mm)	1“-1½”(25-35mm)	1½”(40mm)
Gas Flow cfh (l/hr)	NA	NA

Packaging

Diameter	1/16“(1.6mm)	3/32”(2.4mm)
25 Lb. Spools	Standard	Standard