

Flux-cored Wire Cobalt

Alloy: WWCobalt #21 Flux Cored Wire

Conforms to Certification: AWS A5.21 ASME SFA A5.21

Class: ERCCoCr-E

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AWS Chemical Composition Requirements

C = 0.15 – 0.40	Mo = 4.5 – 7.0
Mn = 2.0 max	Fe = 5.0 max
Si = 1.5 max	W = 0.50 max
Cr = 25 – 30	Co = Remainder
Ni = 1.5 – 4.0	Other = 1.0 max

Description

Cobalt Alloy #21 flux-cored wire has excellent work hardenability, high temperature, strength, and impact resistance. Type 21 is a good choice for valve trim and steam and fluid control valve bodies and seals. It bonds well to all weldable steels, including stainless steel.

Deposited Chemical Composition % (Typical)

C = 0.3	Mo = 5.4
Mn = 0.7	Fe = 1.8
Si = 0.5	W = 0.10
Cr = 27.4	Co = Balance
Ni = 2.4	

