

Bare, Coated & Flux-cored Cobalt

Alloy: WWCobalt #21 Coated Electrode

Conforms to Certification: AWS A5.13 ASME SFA A5.13

Class: ECoCr-E

Alloy: ECoCr-E

AWS Chemical Composition Requirements

C = 0.15 - 0.40	Mo = 4.5 - 6.5
Mn = 1.5 max	Fe = 5.0 max
Si = 2.0 max	W = 0.50 max
Cr = 24 - 29	Co = Remainder
Ni = 2.0 - 4.0	Other = 1.0 max

Description

Cobalt #21 coated electrodes deposit a low austenitic cobalt type alloy with excellent work hardenable high temperature, strength, and impact resistance. It 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.

Deposited Chemical Composition % (Typical)

C = 0.2	Mo = 5.2
Mn = 0.5	Fe = 3.4
Si = 0.7	W = 0.17
Cr = 27.9	Co = Balance
Ni = 2.5	

