

Bare Wire Cobalt

Alloy: WWCobalt #21 Bare Wire / Rod

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

Class: ERCoCr-E

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AWS Chemical Composition Requirements

C = 0.15 - 0.45	Mo = 4.5 – 7.0
Mn = 1.5 max	Fe = 3.0 max
Si = 1.5 max	W = 0.50 max
Cr = 25 - 30	Co = Remainder
Ni = 1.5 - 4.0	Other = 0.50 max

Description

Cobalt #21 bare rod provide a low austenitic type deposit 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 steel.

Deposited Chemical Composition % (Typical)

C = 0.24	Mo = 5.4
Mn = 0.8	Fe = 1.7
Si = 0.8	W = 0.17
Cr = 27.4	Co = Balance
Ni = 2.73	

