

FILLER METAL CLASSIFICATIONS



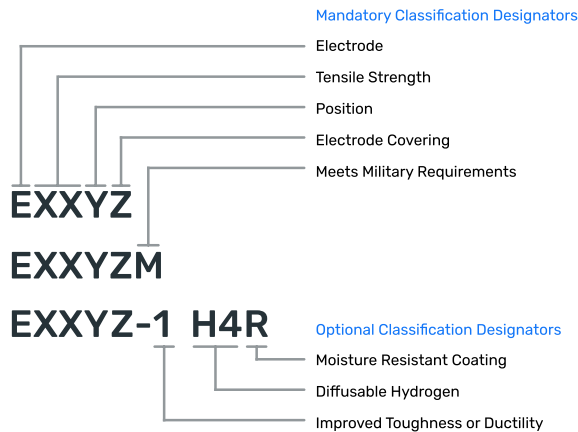
COMPARE WITH THE AWS A5.XX FILLER METAL CLASSIFICATION

WELDING QA/QC & PROJECT CONTROLS SOFTWARE

CARBON STEEL

SFA 5.1

Carbon Steel Electrodes for SMAW

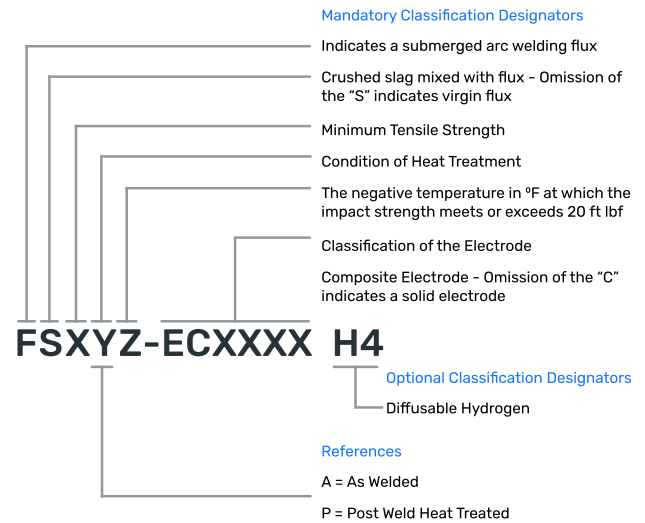


E6010 E6011 E6013 E6018 E7014 E7018 E7018-1 E7018 H4R E7024



SFA 5.17

Carbon Steel Electrodes and Fluxes for SAW



F7A4-EM12K

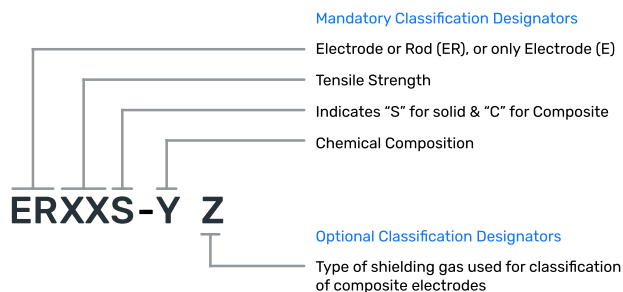
Complete SAW designation for a flux-electrode combination.
SAW Flux, 70 KSI tensile strength, As welded condition,
20 ft lbf at -60 °F when produced with an EM12K electrode.

F7A4-EM12K H4 F7P6-EM14K H4 F6A2-EL12 F8P6-ECH10K



SFA 5.18

Carbon Steel Filler Metals for Gas Shielded Arc Welding

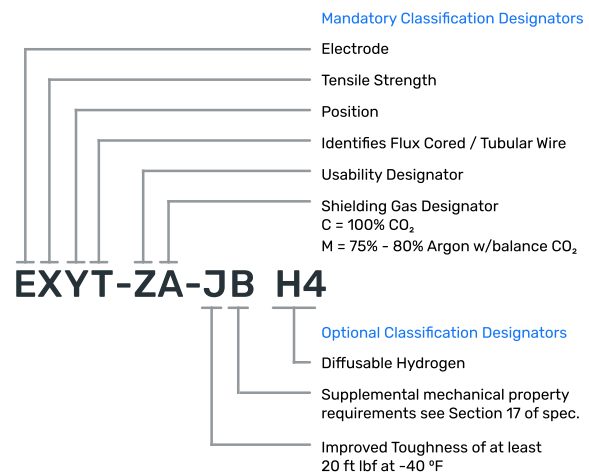


ER70S-2 ER70S-3 ER70S-4 ER70S-6 ER70S-7 E70C-3 E70C-6



SFA 5.20

Carbon Steel Electrodes for FCAW



E70T-1M E71T-1C E71T-1M E71T-9M E71T-1M-JH4 E71T-9M-JH4



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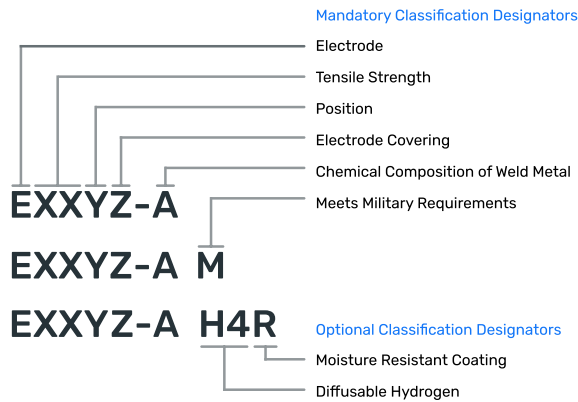
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LOW-ALLOY STEEL

SFA 5.5

Low Alloy Steel Electrodes for SMAW

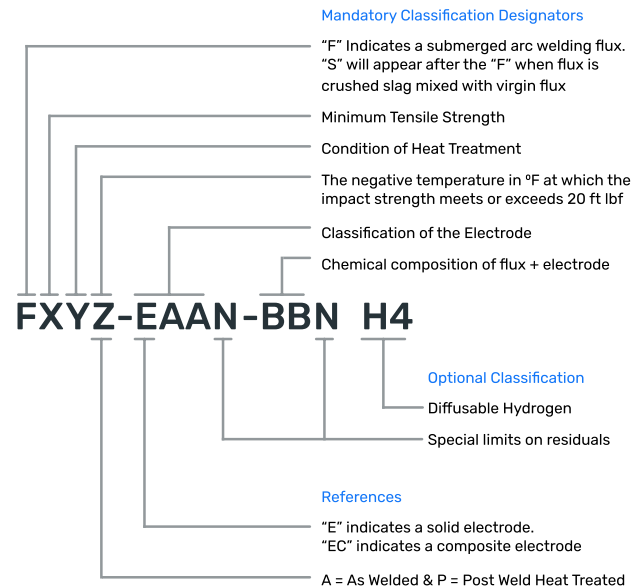


E7010-A1 E7018-A1 E7018-B2L E8018-B2L E9018-B3L E8018-B6L



SFA 5.23

Low Alloy Steel Electrodes and Fluxes for SAW - Multiple Pass System



F9P4-EB3-B3

Complete designation for a flux-electrode combination.

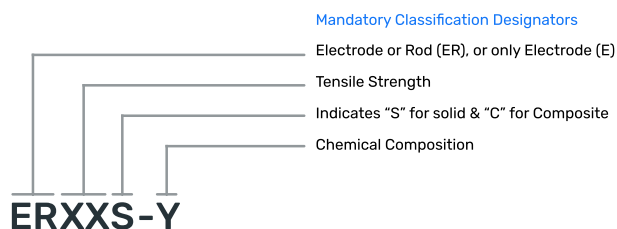
1. SAW Flux
2. 90 KSI tensile strength
3. PWHT condition (An "A" would be "As Welded")
4. 20 ft lbf at -40 °F
5. When produced with an EB3 electrode

F7P6-ENi6-Ni6 H4 F7A2-EM12K H4 F8A1-EF1-F1 F8A4-EA3K-A4 H4



SFA 5.28

Low Alloy Steel Electrodes & Rods for Gas Shielded Arc Welding

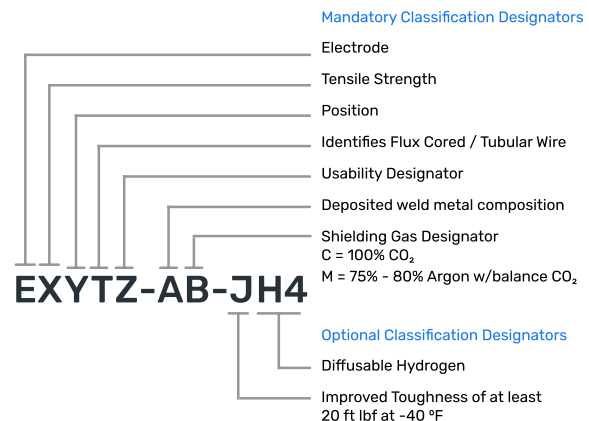


ER70S-A1 ER80S-B2 ER80S-B3L ER90S-B3 ER90S-D2 ER80S-Ni2



SFA 5.29

Low Alloy Steel Electrodes for FCAW



E70T8-Ni2 E71T5-A1 E81T-K2M-JH4 E80T1-B6LM E90T1-B3L E90T1-B9



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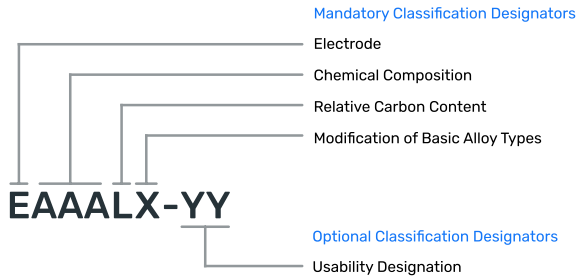
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WELDING QA/QC & PROJECT CONTROLS SOFTWARE

STAINLESS STEEL

SFA 5.4

Stainless Steel Electrodes for SMAW



E308LMo-15

References

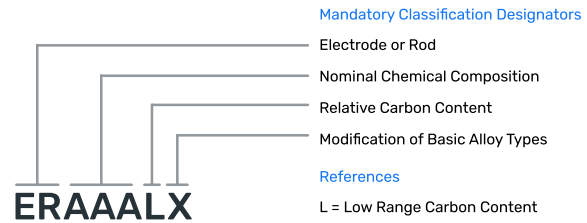
L = Low Range Carbon Content
H = High Range Carbon Content
LR = Low Residuals

E2209 E308H-16 E308LMo-15 E309L E316L-15 E316LMn-17 E347-16



SFA 5.9

Bare Stainless Steel Welding Electrodes and Rods



L = Low Range Carbon Content
H = High Range Carbon Content
LR = Low Residuals

ER308LSi

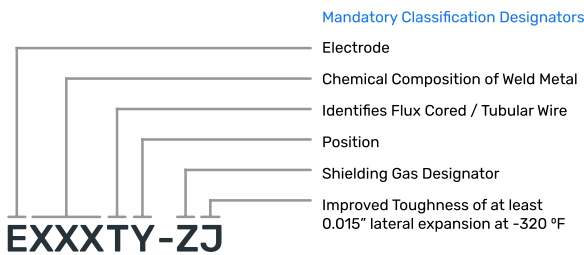
ER = Solid Wires
EC = Composite Cored or Stranded Wires
EQ = Strip Electrodes

ER308L ER308LSi ER309L ER309LMo ER316L ER317L ER347 ER410



SFA 5.22

Stainless Steel Electrodes for FCAW



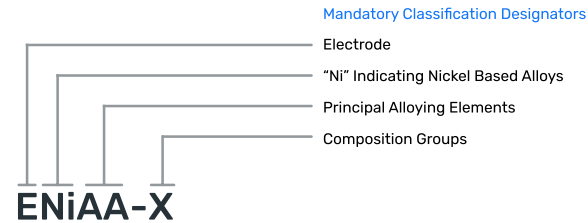
E2209T1-4 E308HT1-1 E308LT1-4 E309LMoT0-4 E316LT0-4 E347T1-1



NICKEL

SFA 5.11

Nickel and Nickel Alloy Electrodes for SMAW

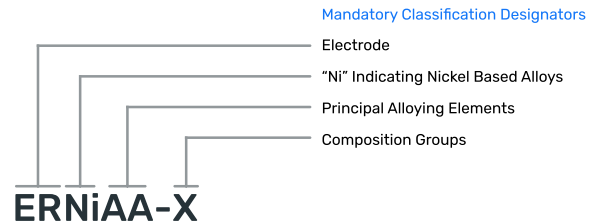


ENi-1 ENiCrFe-3 ENiCrFe-4 ENiCrFe-10 ENiMo-8 ENiCrMo-6 ENiCrMo-13



SFA 5.14

Nickel and Nickel Alloy Bare Electrodes and Rods

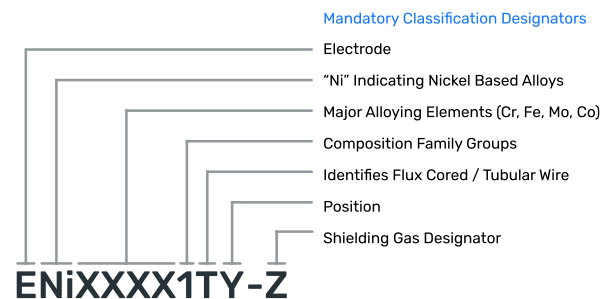


ERNiMo-3 ERNiCrFe-6 ERNiCrFe-8 ERNiCrMo-4 ERNiCrMo-10 ERNiCrMo-11



SFA 5.34

Nickel Alloy Electrodes for FCAW



ENiCrFe1T0-3 ENiCrCoMo1T1-4 ENiCrMo3T0-3 ENiMo13T0-4



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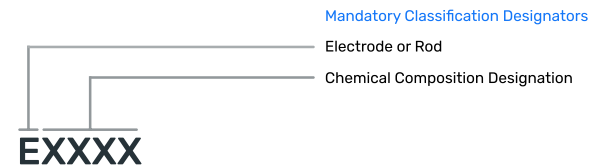
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ALUMINUM

SFA 5.3

Aluminum and Aluminum Alloy Electrodes for SMAW

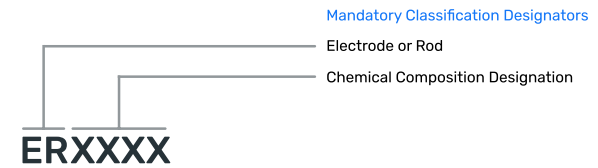


ER1100 ER4043 ER4046 ER4047 ER5356



SFA 5.10

Bare Aluminum and Aluminum Alloy Electrodes and Rods



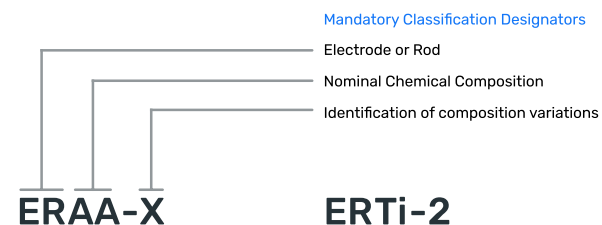
ER1100 ER4043 ER4046 ER4047 ER5356



TITANIUM

SFA 5.16

Titanium and Titanium-Alloy Welding Electrodes and Rods



ERTi-1 ERTi-2 ERTi-3 ERTi-11 ERTi-17 ERTi-25 ERTi-29 ERTi-33

