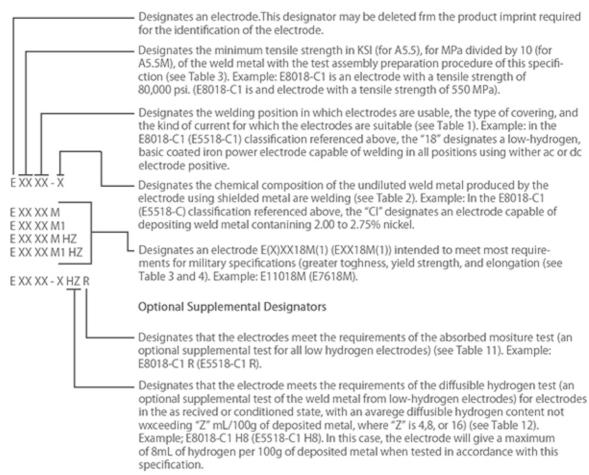


#### AWS A5.5/A5.5M:2006

#### Mandatory Classification Designators\*



### Note:

## AWS A5.1

### Mandatory Classification Designators:\*

Designates an electrode. This designator may be deleted from the product imprint required for identification of the electrode. Designates the tensile strength (minimum), in KSI, of the weld metal when produced in accordance with the test assembly preparation procedure of this specification. See Table 2. Designates the welding position in which electrodes are usable, the type of covering, and the kind of welding current for which the electrodes are suitable. See Table 1. Designates an electrode (E7018M) intended to meet most military requirements E XX YY (greater toughness, lower moisture content - both as-received and after exposure - and mandatory diffusible hydrogen limits for weld metal). See Table 3,10 and 11. EXX YY M EXX YY -1 HZ R Optional Supplemental Designators: Designales that the electrode meets the requirements of the absorbed moisture test (an optional supplemental test for all low hydrogen electrodes except the E7018M classification, for which the test is required). See Table 10. Designates that the electrode meets the requirements of the diffusible hydrogen test (an optional supplemental test of the weld metal from low hydrogen electrodes , as-received or conditioned - with and average value not exceeding "Z" mL of  $\rm H_2$  per 100g of deposited metal, where "Z" is 4, 8, or 16). See Table 11. Designates that the electrode (E7016, E7018, or E7024) meets the requirements for improved toughness - and ductility in the case of E7024 - (optional supplemental test requirements shown in Tables 2 and 3). See notes to Tables 2 and 3.

# Note:

<sup>\*</sup> The combination of these designators constitutes the electrode classification.

Note:

\* The combination of these designators constitutes the electrode classification.