

Maine Department of Transportation  
 Qualified Products List of  
 Electrodes for Field Welding

This list will be effective Friday, January 09, 2015 and supersedes all previous lists.

SAW, GMAW and FCAW-G Electrodes are NOT included in this list. For approval of these electrodes or electrode/flux combinations, contact the MaineDOT Fabrication Team at: [Fabrication.MaineDOT@maine.gov](mailto:Fabrication.MaineDOT@maine.gov) or Deanna Crosby Turner (e-mail: [Deanna.L.Turner@maine.gov](mailto:Deanna.L.Turner@maine.gov) phone: 207-215-0832).

For splicing/welding of Piles, see Maine Standard Specifications, Subsection 501.047 and Section 504.

Welding consumables on this list may be used without further evidence of certification. The consumables are considered pre-approved for use when welding pre-approved base metals listed in the AASHTO/AWS D1.5 Bridge Welding Code or AASHTO/AWS D1.1 Structural Welding Code (as applicable). All requirements in Maine Specifications, Details and AWS Welding Codes shall be adhered to.

Contractors may use welding consumables not listed by submitting copies of the Certificate(s) of Conformance to the MaineDOT Fabrication Team for review in accordance with Maine Specifications, Details, applicable Welding Code and Electrode Specification (AWSA5.\*\*). Certificates of Conformance shall be dated within twelve months of the beginning of the project.

IT IS THE CONTACTOR'S RESPONSIBILITY TO ENSURE THAT THE "BUY AMERICA" CLAUSE IS ADHERED TO (MAINE STANDARD SPECIFICATIONS, APPENDIX A, DIVISION 100 [A-14])

**SHIELDED METAL ARC WELDING ELECTRODES**

<u>Manufacturer</u>	<u>AWS Classification</u>	<u>Trade Name</u>
AIRCO	E7018, E7018 H4R	Easy-Arc 7018 MR
AIRCO	E7018, E7018 H4R	Code-Arc 7018 MR
Lincoln Electric	E7016-H4	Pipeliner 16P
Lincoln Electric	E7018, E7018 H4R	Jetweld LH-70
Lincoln Electric	E7018, E7018 H4R	Jet-LH 78 MR
Lincoln Electric	E7018 H4R	Excalibur 7018 MR
Lincoln Electric	E7018 H4R, E7018-1 H4R	Excalibur 7018 MR N
Lincoln Electric	E7018-A1, E7018-A1 H4R	Excalibur 7018-A1 MR
Lincoln Electric	E7018 H4R, E7018-1 H4R	Excalibur 7018-1 MR
Lincoln Electric	E7018 H8	Lincoln 7018 AC
Lincoln Electric	E7018 H4R	Millennium Arc 7018
Lincoln Electric	E7028 H8	Excalibur 7028
Lincoln Electric	E8018-C1 H4R	Excalibur 8018-C1 MR
Lincoln Electric	E8018-C3 H4R	Excalibur 8018-C3 MR
MUREX	E7018, E7018 H4R	Murex 7018 MR
MUREX	E7018, E7018 H4R	Murex B7018MR

Maine Department of Transportation  
 Qualified Products List of  
 Electrodes for Field Welding

**FLUX CORED ARC WELDING ELECTRODES-SELF SHIELDED**

<u>Manufacturer</u>	<u>AWS Classification</u>	<u>Trade Name</u>
Hobart	E71T8-Ni1 J H8	Fabshield 71T8
Hobart	E71T8-Ni1 J H8	Fabshield 81N1
Hobart	E71T8-K6J H8	Fabshield Offshore 71Ni
Lincoln	E71T-8 H16	Innershield NR-232
Lincoln	E71T-8-J H16	Innershield NR-203MP
Lincoln	E71T8-K6 H16, E1T8-A2-K6 H16	Innershield NR-207
Lincoln	E71T-8 H16	Innershield NR-233
Lincoln	E70T-6 H16	Innershield NR-305
Lincoln	E71T8-Ni1 H16	Innershield NR-203 Nickel (1%)
Lincoln	E71T8-K2, E71T8-A2-K2	Innershield NR-203 Ni C Plus-H
Lincoln	E71T8-Ni2-J H8, E71T8-A4-Ni2 H8	Innershield NR-440Ni2

**WEATHERING STEEL**

**See AWS D1.5 BRIDGE WELDING CODE Clauses 4.1.4, 4.1.5 and Table 4.2**

**SMAW:**

<u>Manufacturer</u>	<u>AWS Classification</u>	<u>Trade Name</u>
Lincoln Electric	E8018-C1 H4R	Excalibur 8018-C1 MR
Lincoln Electric	E8018-C3 H4R	Excalibur 8018-C3 MR

**FCAW-S:**

<u>Manufacturer</u>	<u>AWS Classification</u>	<u>Trade Name</u>
Hobart	E71T8-Ni1 J H8	Fabshield 71T8
Hobart	E71T8-Ni1 J H8	Fabshield 81N1
Lincoln	E71T8-Ni1 H16	Innershield NR-203 Nickel (1%)
Lincoln	E71T8-Ni2-J H8, E71T8-A4-Ni2 H8	Innershield NR-440Ni2

Please contact Deanna Crosby Turner, Bridge Fabrication Quality Assurance Technician at 207-215-0832 with any questions.

**PLEASE NOTE:** Products often times may have multiple uses. Products appearing on this particular list are expressly pre-qualified for this category of usage only. Do not use these products for any other application unless this product is noted on other lists.

Sales Representatives seeking approval of a new product should submit their product's Materials Technical Data Sheet, Instructions for Material Safety Data Sheet, and a completed copy of the MaineDOT Preliminary Information for Product Evaluation Form and for electrodes/electrode flux combinations, the product's Certificate of Conformance.