

Lincoln Electric China SAW Solid Wire

Mild Steel, Low Alloy Steel and Stainless Steel

For submerged arc welding of mild steel, low alloy steel and stainless steel base materials.

Mild Steel Wire

| Product | Classification | Wire Chemical Composition (Typical) Wt-% | | | | | |
|-------------------|------------------|--|------|------|-------|-------|------|
| | | C | Mn | Si | S | P | Cu |
| PREMIERWELD L8 | AWS A5.17 EL8 | 0.06 | 0.43 | 0.03 | 0.007 | 0.012 | 0.04 |
| PREMIERWELD L12 | AWS A5.17 EL12 | 0.06 | 0.44 | 0.03 | 0.008 | 0.012 | 0.04 |
| PREMIERWELD H14 | AWS A5.17 EH14 | 0.15 | 2.04 | 0.03 | 0.01 | 0.016 | 0.04 |
| PREMIERWELD EM12K | AWS A5.17 EM12K | 0.09 | 1.00 | 0.28 | 0.01 | 0.01 | 0.04 |
| PREMIERWELD EM13K | AWS A5.17 EM13K | 0.07 | 0.96 | 0.77 | 0.009 | 0.01 | 0.04 |
| PREMIERWELD H10K | AWS A5.17 EH10K | 0.075 | 1.46 | 0.16 | 0.006 | 0.002 | 0.26 |
| PREMIERWELD LM-1 | GB 5293: H08A | 0.06 | 0.42 | 0.02 | 0.008 | 0.009 | 0.04 |
| PREMIERWELD MM-1 | GB 5293: H08MnA | 0.07 | 0.95 | 0.05 | 0.005 | 0.008 | 0.04 |
| PREMIERWELD HM-1 | GB 5293: H10Mn2 | 0.07 | 1.82 | 0.06 | 0.006 | 0.014 | 0.04 |
| JW-1 | AWS A5.17 EH14 | 0.15 | 2.04 | 0.03 | 0.01 | 0.016 | 0.04 |
| | GB 5293: H10Mn2 | 0.07 | 1.82 | 0.06 | 0.006 | 0.014 | 0.04 |
| JW-1(10Mn2G) | GB H10Mn2G | 0.06 | 1.78 | 0.01 | 0.007 | 0.007 | 0.04 |
| JW-2 | AWS A5.17 EL8 | 0.09 | 1.03 | 0.3 | 0.015 | 0.013 | 0.04 |
| | GB 5293: H08A | 0.06 | 0.42 | 0.02 | 0.008 | 0.009 | 0.04 |
| JW-3 | GB 5293: H08MnA | 0.09 | 1.00 | 0.28 | 0.01 | 0.01 | 0.04 |
| JW-5 | GB 5293: H10MnSi | 0.07 | 0.96 | 0.77 | 0.009 | 0.01 | 0.04 |

Low Alloy Wire

| Product | Classification | Wire Chemical Composition (Typical) Wt-% | | | | | | | | | | | | |
|----------|--------------------------|--|-------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|
| | | C | Mn | Si | S | P | Cr | Ni | Mo | Cu | V | Ti | B | Al |
| JW-7 | AWS A5.25: ES-G-EW | 0.06 | 1.71 | 0.25 | 0.003 | 0.009 | 0.022 | 0.010 | 0.38 | 0.078 | -- | 0.053 | 0.003 | 0.03 |
| JW-9 | AWS A5.23 EA4*(Nearest) | 0.08 | 1.58 | 0.26 | 0.001 | 0.008 | 0.024 | 0.012 | 0.35 | 0.084 | -- | 0.10 | 0.004 | -- |
| JW-9N | AWS A5.23 EG | 0.06 | 1.83 | 0.04 | 0.007 | 0.009 | 0.015 | 0.40 | -- | 0.055 | -- | 0.11 | -- | -- |
| JW-10 | AWS A5.23 EG | 0.04 | 1.83 | 0.36 | 0.006 | 0.003 | -- | -- | 0.44 | 0.07 | -- | 0.018 | 0.004 | 0.004 |
| JW-55III | TB/T2374: TH-550-NQ III | 0.051 | 1.43 | 0.19 | 0.011 | 0.015 | 0.42 | 0.31 | -- | 0.28 | -- | -- | -- | -- |
| JW-8M | GB 12470: H08MnMoA | 0.071 | 1.53 | 0.13 | 0.002 | 0.009 | 0.021 | 0.009 | 0.35 | 0.043 | -- | 0.046 | -- | -- |
| JW-8M2 | GB 12470: H08Mn2MoA | 0.09 | 1.69 | 0.18 | 0.006 | 0.013 | 0.06 | 0.04 | 0.51 | 0.09 | -- | 0.07 | -- | 0.025 |
| JW-B2 | AWS A5.23: EB2 | 0.10 | 0.772 | 0.061 | 0.002 | 0.008 | 1.07 | 0.05 | 0.45 | 0.08 | 0.01 | 0.001 | -- | -- |
| JW-B2V | GB 12470: H08CrMoVA | 0.061 | 0.48 | 0.25 | 0.008 | 0.014 | 1.09 | 0.05 | 0.53 | 0.09 | 0.17 | -- | -- | -- |
| JW-B2A | GB 12470: H08CrMoA | 0.084 | 0.59 | 0.26 | 0.009 | 0.021 | 0.85 | 0.053 | 0.44 | 0.14 | -- | 0.004 | -- | -- |
| JW-1CM | AWS A5.23: EB2*(Nearest) | 0.075 | 1.34 | 0.79 | 0.003 | 0.011 | 1.09 | 0.022 | 0.52 | 0.03 | -- | 0.012 | -- | 0.022 |
| JW-2CM | AWS A5.23: EB3*(Nearest) | 0.063 | 0.97 | 0.62 | 0.015 | 0.010 | 2.53 | 0.035 | 0.96 | 0.10 | -- | -- | -- | -- |

Stainless Steel Wire

| Product | Classification | Wire Chemical Composition (Typical) Wt-% | | | | | | | | |
|---------|------------------|--|------|------|-------|-------|-------|-------|-------|-------|
| | | C | Mn | Si | S | P | Cr | Ni | Mo | Cu |
| JW-308 | AWS A5.9: ER308 | 0.05 | 1.77 | 0.52 | 0.005 | 0.021 | 19.68 | 9.66 | -- | 0.04 |
| JW-308L | AWS A5.9: ER308L | 0.028 | 1.76 | 0.31 | 0.005 | 0.018 | 19.81 | 9.66 | 0.01 | 0.04 |
| JW-309 | AWS A5.9: ER309 | 0.009 | 1.57 | 0.46 | 0.004 | 0.026 | 23.27 | 13.72 | 0.002 | 0.001 |
| JW-309L | AWS A5.9: ER309L | 0.01 | 2.07 | 0.30 | 0.005 | 0.015 | 23.10 | 13.78 | 0.01 | 0.01 |
| JW-316 | AWS A5.9: ER316 | 0.035 | 1.37 | 0.55 | 0.021 | 0.029 | 18.90 | 11.24 | 2.02 | 0.38 |
| JW-316L | AWS A5.9: ER316L | 0.017 | 1.28 | 0.37 | 0.020 | 0.028 | 18.44 | 11.07 | 2.20 | 0.26 |