



E 316 Weld Metal Welding Rod

| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|------|------|------|------|----|-----|
| Percent | 0.05 | 1.25 | 0.45 | 18.8 | 12 | 2.3 |

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SKU: E316

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

The weld metal displays good crack resistance, excellent creep strength and resists scaling at elevated temperatures up to 850°C. The weld metal has excellent resistance to corrosion and pitting.

| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|------|------|------|------|----|-----|
| Percent | 0.05 | 1.25 | 0.45 | 18.8 | 12 | 2.3 |

Stainless Steel Welding Electrode E 316L



| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|-------|------|------|------|------|-----|
| Percent | 0.035 | 1.75 | 0.45 | 18.5 | 12.5 | 2.3 |

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SKU: E316L

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

E 316L electrode is primarily used for welding low carbon molybdenum-bearing austenitic alloys. The weld metal displays good crack resistance, excellent creep strength and resists scaling at elevated temperatures up to 850°C. The weld metal has excellent resistance to corrosion and pitting.

| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|-------|------|------|------|------|-----|
| Percent | 0.035 | 1.75 | 0.45 | 18.5 | 12.5 | 2.3 |

Stainless Steel Welding Electrode E 317L



| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|-------|------|------|----|------|-----|
| Percent | 0.035 | 1.60 | 0.46 | 19 | 12.2 | 3.2 |

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SKU: E317L

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

E317L is a stainless steel electrode depositing an extra low weld metal containing 18Cr-12Ni-3Mo.

| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|-------|------|------|----|------|-----|
| Percent | 0.035 | 1.60 | 0.46 | 19 | 12.2 | 3.2 |

Stainless Steel Welding Electrode E 318



| Element | C | Mn | Si | Cr | Ni | Mo | Cb |
|---------|------|------|------|------|----|-----|-----|
| Percent | 0.05 | 1.50 | 0.42 | 18.5 | 12 | 2.3 | 0.6 |

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SKU: E318

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

E318 is a stainless steel electrode producing a columbium stabilized weld metal. The weld metal produces a good resistance to corrosion and pitting and improved creep strength.

| Element | C | Mn | Si | Cr | Ni | Mo | Cb |
|---------|------|------|------|------|----|-----|-----|
| Percent | 0.05 | 1.50 | 0.42 | 18.5 | 12 | 2.3 | 0.6 |



Stainless Steel Welding Electrode E 347

| Element | C | Mn | Si | Cr | Ni | Cb |
|---------|------|------|------|----|----|------|
| Percent | 0.05 | 1.40 | 0.45 | 19 | 10 | 0.60 |

[Read More](#)

SKU: E347

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

Ideal for welding of AISI 304, 304L, 321, 347 and their equivalents. The weld metal as excellent resistance to intergranular corrosion.

| Element | C | Mn | Si | Cr | Ni | Cb |
|---------|------|------|------|----|----|------|
| Percent | 0.05 | 1.40 | 0.45 | 19 | 10 | 0.60 |

Stainless Steel Welding Electrode E 383



| Element | C | Mn | Si | Cr | Ni | Mo | Cu |
|---------|------|------|------|------|------|-----|----|
| Percent | 0.03 | 1.50 | 0.90 | 27.7 | 31.5 | 3.7 | 1 |

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SKU: E383

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

E 383 is a special electrode producing a low carbon fully austenitic weld metal which exhibits excellent resistance to corrosion in non-oxidising media like sulfuric acid, Phosphoric acid etc. Ideally suited for welding steels of similar composition and other equivalent grades.

| Element | C | Mn | Si | Cr | Ni | Mo | Cu |
|---------|------|------|------|------|------|-----|----|
| Percent | 0.03 | 1.50 | 0.90 | 27.7 | 31.5 | 3.7 | 1 |

Stainless Steel Welding Electrode E 410



| Element | C | Mn | Si | Cr | Ni |
|---------|------|-----|-----|------|------|
| Percent | 0.07 | 0.8 | 0.6 | 12.5 | 0.35 |

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SKU: E410

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

Ideally suited for joining similar alloys, resurfacing of valve seats, steam and gas turbine components. Ideal for joining straight chromium stainless steels.

| Element | C | Mn | Si | Cr | Ni |
|---------|------|-----|-----|------|------|
| Percent | 0.07 | 0.8 | 0.6 | 12.5 | 0.35 |



Stainless Steel Welding Electrode E 410 NiMo

| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|------|-----|-----|------|-----|-----|
| Percent | 0.06 | 0.8 | 0.4 | 12.5 | 4.0 | 0.5 |

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SKU: 60c47a5c7c37

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

Basic type stainless steel electrode with high recovery, which is used for welding of 12-14% Cr and 3-4% Ni containing stainless and heat resistant chromium steels or cast steels. Deposits martensitic stainless steel weld metal. Also suitable for corrosion and abrasion resistant surfacing of contact surfaces of gas, water, sea water and steam fan, fan blades and fittings in hydro-electric plants and continuous casting rolls. Used with DCEP. For wall thickness over 10 mm preheating to max. 150°C and after welding tempering or normalizing + tempering are recommended. Especially in joint welding a buffer layer with EI 312 or EIS 307 electrode is advisable.

| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|------|-----|-----|------|-----|-----|
| Percent | 0.06 | 0.8 | 0.4 | 12.5 | 4.0 | 0.5 |

E 430 Stainless Steel welding electrode



| Element | C | Mn | Si | Cr | Ni |
|---------|-------|------|------|----|------|
| Percent | 0.075 | 0.60 | 0.50 | 17 | 0.35 |

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SKU: E430

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

The weld deposit displays good resistance to corrosion and heat. The wire is suitable for joining stainless steels of similar composition. It is also suitable for surfacing carbon steels, low alloy steels, and chromium steels. Typical applications include surfacing of valves, Impellers, turbine blades etc.

| Element | C | Mn | Si | Cr | Ni |
|---------|-------|------|------|----|------|
| Percent | 0.075 | 0.60 | 0.50 | 17 | 0.35 |

E 2209 Stainless Steel Welding Electrodes



| Element | C | Mn | Si | Cr | Ni | Mo | N |
|---------|-------|------|-----|----|-----|-----|------|
| Percent | 0.035 | 1.50 | 0.4 | 22 | 9.4 | 2.9 | 0.14 |

[Read More](#)

SKU: E2209

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

E2209 is a specially formulated electrode depositing a stainless steel weld metal and is ideal for welding duplex stainless steels. The weld metal possesses excellent corrosion resistance in marine environments.

| Element | C | Mn | Si | Cr | Ni | Mo | N |
|---------|-------|------|-----|----|-----|-----|------|
| Percent | 0.035 | 1.50 | 0.4 | 22 | 9.4 | 2.9 | 0.14 |

E 2594 Stainless Steel Welding Electrodes



| Element | C | Mn | Si | Cr | Ni | Mo | Cu |
|---------|-------|------|------|----|-----|-----|-----|
| Percent | 0.026 | 1.45 | 0.42 | 25 | 9.0 | 4.0 | 0.2 |

[Read More](#)

SKU: E 2594

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#), [Welding Consumables](#), [Welding Electrodes](#)

Product Description

E 2594 is a non-synthetic electrode depositing super duplex stainless steel weld metal. The weld metal exhibits high strength, high impact energy, and resistance to stress corrosion cracking, pitting, and crevice corrosion. The weld metal possesses excellent corrosion resistance in marine & paper environments. Examples of application areas are: Oil and gas industry, Off shore plat forms, Petrochemical plants, Mechanical and structural components. It is suitable for welding

| Element | C | Mn | Si | Cr | Ni | Mo | Cu | N |
|---------|-------|------|------|----|-----|-----|------|------|
| Percent | 0.026 | 1.45 | 0.42 | 25 | 9.0 | 4.0 | 0.20 | 0.22 |

Stainless Steel Welding Electrode E 308



| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|------|
| Percent | 0.05 | 1.40 | 0.40 | 19.5 | 9.50 |

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SKU: E308

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

The weld metal displays good resistance to cracking, corrosion, and scaling. Ideally suited for welding stainless steel materials of similar composition like AISI 301, 302, 304, 308 etc.

Stainless Steel Welding Electrode E 308L



| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|----|
| Percent | 0.03 | 1.40 | 0.40 | 19.8 | 10 |

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SKU: E308L

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

The weld metal has higher resistance to cracking, oxidation and scaling at elevated temperatures. Ideally suited for welding stainless steels of similar composition like AISI 304L, 308L and their equivalents for overlays, surfacing applications etc.

| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|----|
| Percent | 0.03 | 1.40 | 0.40 | 19.8 | 10 |

Stainless Steel Welding Electrode E 308H



| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|----|
| Percent | 0.06 | 1.40 | 0.40 | 19.5 | 10 |

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SKU: E308H

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

The weld metal possesses excellent crack resistance and displays good elevated temperature properties. Ideally suited for joining 18/8 stainless steels where

| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|----|
| Percent | 0.06 | 1.40 | 0.40 | 19.5 | 10 |

Stainless Steel Welding Electrodes E 309



| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|------|
| Percent | 0.06 | 1.80 | 0.50 | 23.5 | 12.5 |

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SKU: E309

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

The 309 electrode producing high strength stainless steel weld metal having good oxidation resistance upto 1100°C. The weld metal possesses excellent resistance to corrosion and oxidation. Ideal for welding 18/8 type steels to mild steel, clad side of 18/8 clad steels, lining of 12 Cr steels on mild steels, overlays of ferritic steels, dissimilar steels and difficult to weld steels.

| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|------|
| Percent | 0.06 | 1.80 | 0.50 | 23.5 | 12.5 |

Stainless Steel Welding Electrode E 309L



| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|------|
| Percent | 0.03 | 1.60 | 0.50 | 23.6 | 12.8 |

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SKU: E309L

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

E309L is a stainless steel electrode depositing extra low carbon weld metal. The weld metal has excellent mechanical properties and possesses good oxidation and scaling resistance at elevated temperatures. Ideally suited for welding stainless steels, wrought and cast materials of similar composition, welding of 18/8 type stainless steel to carbon steel for buffer layers etc.

| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|------|
| Percent | 0.03 | 1.60 | 0.50 | 23.6 | 12.8 |

Stainless Steel Welding Electrode E 309 Cb



| Element | C | Mn | Si | Cr | Ni | Cb |
|---------|------|------|------|------|----|-----|
| Percent | 0.07 | 1.50 | 0.50 | 23.5 | 13 | 0.8 |

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SKU: E309Cb

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

E309Cb is a stainless steel electrode depositing a columbium stabilized weld metal. Ideally suited for welding stabilized and unstabilised steels to mild steels.

| Element | C | Mn | Si | Cr | Ni | Cb |
|---------|------|------|------|------|----|-----|
| Percent | 0.07 | 1.50 | 0.50 | 23.5 | 13 | 0.8 |

Stainless Steel Welding Electrode E 309 Mo



| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|------|------|------|------|----|-----|
| Percent | 0.05 | 1.80 | 0.50 | 23.5 | 13 | 2.4 |

[Read More](#)

SKU: E309Mo

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#), [Welding Consumables](#), [Welding Electrodes](#)

Product Description

E309Mo is a stainless steel electrode yielding a weld deposit of 25Cr-12Ni-2.5Mo, which has good oxidation resistance upto 1050°C. Ideally suited for welding 18-11 Mo type steels to mild steel.

| Element | C | Mn | Si | Cr | Ni | Mo |
|---------|------|------|------|------|----|-----|
| Percent | 0.05 | 1.80 | 0.50 | 23.5 | 13 | 2.4 |

E 310 Stainless Steel Welding Rod



| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|----|
| Percent | 0.10 | 2.40 | 0.50 | 25.8 | 21 |

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SKU: E310

Price:

Stock: instock

Categories: [Stainless Steel](#)
[Electrodes](#), [Welding Consumables](#),
[Welding Electrodes](#)

Product Description

E 310 is a stainless steel electrode for welding steels of similar composition. The weld metal has excellent resistance to oxidation and scaling upto 1200°C. The electrode is also suitable for welding of hardenable steels, clad steels, C-Mo, Cr-Mo steels where pre-heat and post weld heat treatment are not feasible.

| Element | C | Mn | Si | Cr | Ni |
|---------|------|------|------|------|----|
| Percent | 0.17 | 2.40 | 0.50 | 25.8 | 21 |

E 312 Weld Metal Welding Rod



| Element | C | Mn | Si | C | Ni | S | P |
|---------|------|-----|------|------|------|-------|-------|
| Percent | 0.08 | 1.4 | 0.55 | 28.8 | 10.1 | 0.012 | 0.025 |

[Read More](#)

SKU: E312

Price:

Stock: instock

Categories: [Stainless Steel Electrodes](#),
[Welding Consumables](#), [Welding Electrodes](#)

Product Description

E312 is a rutile type electrode which can be considered as outstanding by virtue of its excellent performance, characteristics and weld metal of controlled chemical composition. The weld metal is highly resistant to cracks and fissures. The typical application includes welding dissimilar metals, unknown metals, leaf and coil springs, gear teeth, forged shafts, earth moving equipment, and machine parts. Applications should be limited to service temperature below 420°C to avoid formation of secondary brittle phase.

| Element | C | Mn | Si | C | Ni | S | P |
|---------|------|-----|------|------|------|-------|-------|
| Percent | 0.08 | 1.4 | 0.55 | 28.8 | 10.1 | 0.012 | 0.025 |