

Supranox E 308 L

Brand Name & Classification

AWS/ASME SFA-5.4:E 308L-16
DIN 8556: E 19 9 LR23

Approvals Grade

Properties

Austenitic stainless steel electrode suitable for welding of austenitic Cr-Ni steels of low carbon content as well as cast steels. Suitable for operating temperatures up to +350⁰ c. the electrode has a stable and concentrated arc.

Application

1.4306: X 2 CrNi 19 11 1.4301: X 5 CrNi 18 10
G-X 2CrNiN 18 9 1.4303: X 5CrNi 18 12
1.4311: X 2CrNiN 18 10 1.4308: X G-X 6 CrNi 18
9
1.4541: X 6 CrNiTi 18 10 1.4310: X 12 CrNi 17 7
1.4550: X 6 CrNiNb 18 10 1.4319: X 5 CrNi 17 8

Weld Metal Analysis Typical values

Carbon: 0.03

Silicon: 0.40

Manganese: 1.00

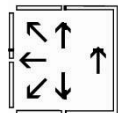
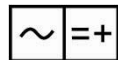
Chromium: 19.0

Nickel:10.0

Typical Mechanical properties

Yield Strength	Tensile Strength	Elongation	Impact Strength
420 N/MM ²	550 – 620 N/mm ²	> 35 %	75 J at +20 ⁰ c

Welding Current & Positions



Current

Dia	Length	Amperes
2.5	300	45-80
3.2	350	50-125
4.0	350	100-150