

OK Autrod 312

A continuous solid corrosion resisting chromium-nickel wire for welding stainless steels of the 29% Cr, 9% Ni types. OK Autrod 312 has a good oxidation resistance at high temperatures due to its high content of Cr. The alloy is widely used for joining dissimilar steels especially if one of the component is fully austenitic, and for steels that are difficult to weld, i.e. machine components, tools, austenitic manganese steels. OK Autrod 312 can be used in combination with OK Flux 10.93.

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| Classifications | EN ISO 14343-A : S 29 9 SFA/AWS A5.9 : ER312 |
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|-------------------|--|
| Alloy Type | Ferritic-austenitic (29 % Cr - 9 % Ni) |
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| Typical Wire Composition % | | | | |
|----------------------------|-----|-----|-----|------|
| C | Mn | Si | Ni | Cr |
| 0.10 | 1.6 | 0.4 | 8.8 | 30.7 |