

Ni-Fe-Cr Welding Electrode

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INCO-WELD® C Welding Electrode

INCO-WELD C Welding Electrode is a stainless-alloy electrode especially designed for shielded-metal-arc welding of a broad range of materials, including many difficult-to-weld compositions. It can be used on stainless steels, mild and medium-carbon steels, and spring steels. The weld metal can accept a wide range of dilution; its high ferrite content provides exceptional cracking resistance. Weld deposits have high tensile and impact strength along with good resistance to heat and corrosion. The electrode's characteristics make it outstanding for general-purpose maintenance welding of machinery and process equipment. The weld metal is also a good buffer or padding for hard-facing alloys.

INCO-WELD C Welding Electrode can be operated in all welding positions. Power supply: direct current, electrode positive is preferred although alternating current can be used.

Specifications	UNS W31310		
Typical	Tensile Strength, psi	110,000 - 120,000	
Mechanical	MPa	758 - 827	
Properties	Elongation, (4d) %	24 - 30	

Available Product Forms					
Diameter	mm	2.4	3.2	4.0	4.8
	in	3/32	1/8	5/32	3/16
Length	mm	305	356	356	356
	in	12	14	14	14
Current	A	50-75	75-105	100-140	130-200

