

# Inweld 7016

AWS A5.1 E7016

## Chemical Composition of Inweld 7016

Fe	C	Cr	Ni	Mo	Mn	Si	P	S	V	Cu
Balance	0.15	0.20	0.30	0.30	1.60	0.75	0.35	0.35	0.08	---

Single values are maximum unless otherwise specified.

## Description and Applications

General purpose, all-position electrode for welding thick plates of carbon steel, free machining steel, high tensile steel, and low alloy steel. Special low hydrogen coating produces weld deposits with excellent crack resistance and mechanical properties that have X-ray soundness. A stable arc makes all-position welding so easy. Easy slag removal and a beautiful bead appearance. Typical applications include structural and fabrication steels such as beams, angles, channels and plates, cast steels, processing steels, cold rolled steel, and shipbuilding steels.

## Typical Weld Metal Properties

	<u>AWS Spec</u>
Tensile Strength:	70,000 psi
Yield Strength:	58,000 psi
Elongation:	22%

## Recommended Parameters

SMMW (DCEP – Electrode+)

<u>Wire Diameter</u>	<u>Voltage</u>	<u>Amperage</u>
3/32"	23-27	50-100
1/8"	23-27	110-150
5/32"	24-30	150-190

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