



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type	Norm	Brand Name	Part #	Diameter	Lot No.	Manufactured Date	Date of Issue
AWS E6013	AWS A5.1-2012	STARK	6001301	3/32" (2.4mm)	251418	SHOWN ON PACKAGE	05 / 12 / 2025

Mechanical Properties of Deposited Metal	Chemical Composition of Deposited Metal [%]
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Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result	
Yield Strength Rel(MPa)		≥330	380	C	≤0.20	0.058	Mo	≤0.30	0.0042	
Tensile Strength Rm(MPa)		≥430	475	Si	≤1.00	0.32	V	≤0.08	0.014	
Elongation A[%]		≥17	26.0	Mn	≤1.20	0.39	Cu	--	--	
Impact Test	Impact Temp (°C)	--	0	S	--	0.017	Ti	--	--	
	Impact Absorbed Energy (J)	--	76 76 78	P	--	0.019	Al	--	--	
X-Ray		--	Complies	Cr	≤0.20	0.032	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.020	Fillet weld test of T-joint		--	
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)	RINA (--)

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Medley, Florida 33178.
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This is to certify that the welding consumable conform with the standard

Signature

Inspection seal

