



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			
E6013	AWS A5.1 / A5.1M ASME SFA-5.1 / SFA-5.1M	STARK	6001302	1/8" (3.2MM)	251448	Shown on Package	24 / 11 / 2025			
Mechanical Properties of Deposited Metal				Chemical Composition of Deposited Metal (%)						
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result	
Tensile Test	Yield Strength Rel(MPa)	≥330	441	C	≤0.20	0.092	Mo	≤0.30	0.0053	
	Tensile Strength Rm(MPa)	≥430	520	Si	≤1.00	0.21	V	≤0.08	0.010	
	Elongation A5 (%)	≥17	28	Mn	≤1.20	0.36	--	--	--	
Impact Test	Impact Temp (°C)	--	0 °C	S	--	0.018	--	--	--	
	Impact Absorbed Energy (J)	--	71 88 92	P	--	0.031	--	--	--	
X-Ray		--	Complies	Cr	≤0.20	0.17	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.022	Fillet weld test of t-joint		Passed	
Approved Classification Grade		CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)	RINA (--)
10050 NW 116TH Way, Suite 15. Medley, Florida 33178. Telf: 305-4205099				This is to certify that the welding consumable conform with the standard						
				Signature		Inspection seal				
										