



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-2012	STARK	6001302	1/8" (3.2MM)	201432	Shown on Package	23 - 03 - 2020

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	396	C	≤0.20	0.071	Mo	≤0.30	0.0030
	Tensile Strength Rm(MPa)	≥430	477	Si	≤1.00	0.25	V	≤0.08	0.0070
	Elongation A5 (%)	≥17	27.0	Mn	≤1.20	0.28	--	--	--
Impact Test	Impact Temp (°C)	--	--	S	--	0.012	--	--	--
	Impact Absorbed Energy (J)	--	90 84 86	P	--	0.033	--	--	--
X-Ray		II	Complies	Cr	≤0.20	0.048	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.0075	Fillet weld test of t-joint		Complies
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					

APPROVED
BY LIAO
YUGANG

