



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E6013	Norm AWS A5.1-2012	Brand Name Stark	Part # 6001302	Diameter 1/8" (3.2mm)	Lot No. 181431	Manufactured Date Shown on Package	Date of Issue 2018 / 01 / 18
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Mechanical Properties of Deposited Metal			Chemical Composition of Deposited Metal (%)						
Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Yield Strength Rel(MPa)		≥330	380	C	≤ 0.20	0.098	Mo	≤ 0.30	0.0040
Tensile Strength Rm(MPa)		≥430	466	Mn	≤ 1.20	0.29	V	≤ 0.08	0.0080
Elongation A5 (%)		≥17	28.5	Si	≤ 1.0	0.24	Cu	--	--
Sharp V noch	Impact Temp (°C)	--	--	S	--	0.0095	--	--	--
	Av. Absorbed Energy (J)	--	--	P	--	0.024	--	--	--
X-Ray		II	I	Cr	≤ 0.20	0.022	--	--	--
Hydrogen Content (ml/130g)		--	--	Ni	≤ 0.30	0.016	--	--	--
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			