

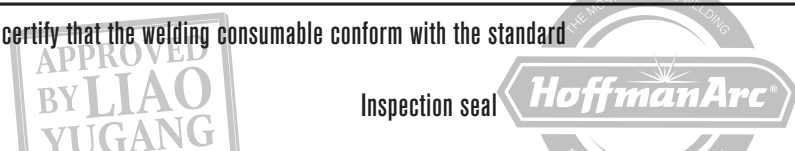


THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E6013	Norm AWS A5. 1-2012	Brand Name STARK	Part # 6001301	Diameter 3/32" (2.4MM)	Lot No. 201421	Manufactured Date Shown on Package	Date of Issue 10 - 02 - 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	378	C	≤0.20	0.11	Mo	≤0.30	0.0030	
	Tensile Strength Rm(MPa)	≥430	487	Si	≤1.00	0.30	V	≤0.08	0.0081	
	Elongation A5 (%)	≥17	26.0	Mn	≤1.20	0.33	--	--	--	
Impact Test	Impact Temp (°C)	--	0	S	--	0.015	--	--	--	
	Impact Absorbed Energy (J)	--	84 79 85	P	--	0.024	--	--	--	
X-Ray		II	Complies	Cr	≤0.20	0.052	--	--	--	
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.038	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

