



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E312-16	Norm AWS A5.4-2012	Brand Name Stück	Part # 6003202	Diameter 1/8" (3.2mm)	Lot No. 183171C	Manufactured Date Shown on Package	Date of Issue 2019 / 01 / 31		
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)	--	--	C	≤ 0.15	0.095	Mo	≤ 0.75	0.041	
Tensile Strength Rm(MPa)	660	775	Si	≤ 1.00	0.81	V	--	--	
Elongation A5 (%)	≥ 22	33.0	Mn	0.5~2.5	1.12	Cu	≤ 0.75	0.043	
Sharp V noch	Impact Temp (°C)	--	S	≤ 0.03	0.010	A1	--	--	
	Av. Absorbed Energy (J)	--	P	≤ 0.04	0.028	Ti	--	--	
X-Ray	I	I	Cr	28.0~32.0	29.74	--	--	--	
Hydogen Content (ml/130g)	--	--	Ni	8.0~10.5	10.19	--	--	--	
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		HoffmanArc®			