

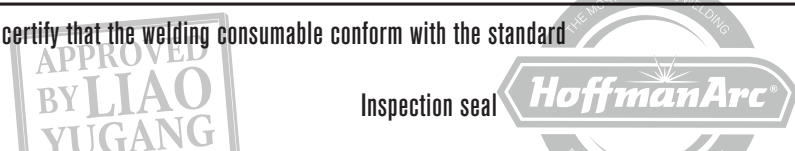


THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type E308L-16	Norm AWS A5.4-2012	Brand Name Haltbar	Part # 6003802	Diameter 1/8" (3.2mm)	Lot No. 192864H	Manufactured Date Shown on Package	Date of Issue 28-07-2020
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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)		--	--	C	≤ 0.04	0.031	Mo	≤ 0.75	0.024	
Tensile Strength Rm(MPa)		≥520	612	Si	≤ 1.00	0.87	Cu	≤ 0.75	0.059	
Elongation A5 (%)		≥30	41.0	Mn	0.5~2.5	0.88	--	--	--	
Impact Test	Impact Temp (°C)	--	--	S	≤ 0.03	0.010	--	--	--	
	Impact Absorbed Energy (J)	--	--	P	≤ 0.04	0.021	--	--	--	
X-Ray		--	Complies	Cr	18-0~21.0	20.18	--	--	--	
Hydrogen Content (ml/130g)		--	--	Ni	9-0~11.0	9.42	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

