

# INSPECTION CERTIFICATE

**KOBELCO WELDING OF EUROPE B.V.**

FLUX CORED WIRE  
According to EN 10204-3.1

PURCHASER \_\_\_\_\_

CERTIFICATE NO: KC13-550  
DATE OF ISSUE: 13-09-2013

TRADE DESIGNATION	DIAMETER (mm)	MFG.NO.	APPLICABLE SPECIFICATION AND CLASSIFICATION
DW-A55EH	1.2	NE385313782	AWS A5.20 E71T-12M-J EN ISO 17632-A - T 42 4 P M 1

1. CHEMICAL COMPOSITIONS OF ALL WELD METAL (wt%)

ELEMENT	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	
WELD METAL	0.044	0.59	1.10	0.007	0.007	0.01	0.36	0.03	0.01	0.014	< 0.01	
ELEMENT												
WELD METAL												

2. TENSILE TEST OF ALL WELD METAL

YIELD STRENGTH at 0.2% OFFSET N/mm <sup>2</sup>	TENSILE STRENGTH N/mm <sup>2</sup>	ELONGATION GL=5D(%)
561	614	28

3. CHARPY IMPACT TEST OF ALL WELD METAL

TESTING TEMPERATURE (°C)	ABSORBED ENERGY (J)			AVERAGE
	EACH			
-40	111	114	117	114

4. WELDING CONDITIONS FOR THE TESTING

TYPE OF CURRENT	DC+	SHIELDING GAS	80%Ar+20%CO <sub>2</sub>
WELDING CURRENT	250 (A)	ARC VOLTAGE	27.0 (V)

WE HEREBY CERTIFY THAT THE TEST RESULTS OF THE ABOVE WELDING MATERIAL ARE CORRECT

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KOBELCO WELDING OF EUROPE B.V.  
QA Manager