

WELDING CONSUMABLE CERTIFICATE

Certificate No.: 075277-5798050-001-A	_
Report No.: 5798050-A	
Port of. KOBE, JAPAN	_
Date: 16 AUGUST 2023	

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF KOBE STEEL, LTD. IBARAKI PLANT, JAPAN, ATTEND THEIR PLANT AT IBARAKI & FUJISAWA, JAPAN, ON THE 19TH DAY OF APRIL, 2023 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE FLUX CORED ARC WELDING SECTION:

TRADE NAME	SPECIFICATION	GRADE OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	SIZE
DW-100	ABS	2YSA, 2Y400SA		All, V-Down	DCEP	1.0-1.6 mm
DW-100R	ABS	2Y400SA (H10)	C1	All, V-Down	DCEP	1.2-1.4
DW-100RK	ABS	2Y400SA (H10)	C1	H-Fillet, V-Up-Fille	t DCEP	1.4
DW-100V	ABS	2YSA, 2Y400SA	(H10) C1	All, V-Down	DCEP	1.2-1.4
DW-200	ABS	3YSA	C1	F	DCEP	1.2-1.6
DW-200D	ABS	2YSA	Cl	Н	DCEP	1.4
DW-Z100	ABS	2YSA (H10)	C1	All, V-Down	DCEP	1.2-1.6
FRONTIARC-71	1 ABS	3YSA (H10)	C1	All, V-Down	DCEP	1.1-1.6
FRONTIARC-71	1 ABS	3YSA (H10)	M21(75%Ar-25%C0	D2) All, V-Down	DCEP	1.1-1.6
DW-460L	ABS	5YQ460 (H5)	C1	All	DCEP	1.2-1.4
DW-50	ABS	3YSA (H5)	C1	All, V-Down	DCEP	1.1-1.6
DW-50	ABS	3YSA (H5)	M21(80%Ar-20%C	O2) All, V-Down	DCEP	1.1-1.6

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Note:

This Certificate evidences compliance with one or more of the Rules, guides, standards or other criter of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, iter of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the scope and conditions of the review that the survey records for a fuller description of any restrictions or limitation on the scope and conditions. Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remained by the Rules and standards of American Bureau of Shipping who shall remained by the Rules and standards of American Bureau of Shipping who shall remained by the Rules are standards of American Bureau of Shipping who shall remained by the Rules and standards of American Bureau of Shipping who shall remained by the Rules are standards of American Bureau of Shipping who shall remain the scope and conditions of the fact of the

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TRADE NAME	SPECIFICATIO:	GRADE N OR CLASS	SHIELDING GAS	POSITION	CURRENT/ POLARITY	SIZE(mm)
DW-55L ** Manufacture's		3YSA(H5), 5Y400SA properties: CVN 54 Jo	(H5)** C1 oule at minus 20 Cen. l	All,V-Down Deg.	DCEP	1.2-1.4
DW-A55L ** Manufacture's	ABS Guaranteed min.	3YSA** properties: CVN 34 Jo	M21(80%Ar-20%C0 oule at minus 60 Cen. I	,	DCEP	1.0-1.6
DW-A55LSR	ABS	5YQ420SA (H5)	M21(80%Ar-20%C0	D2) All, V-Dow	n DCEP	1.2
DW-A55EH	ABS	4Y400SA (H5)	M21(80%Ar-20%C0	D2) All, V-Dow	n DCEP	1.1-1.6
DW-A55ESR	ABS	4Y400SA (H5)	M21(80%Ar-20%C0	D2) All	DCEP	1.1(0.045")
MX-50H MX-50H	ABS ABS	2YSA 2YSA	C1 C1	Horizontal FF, HF	DCEP DCEP	1.2 1.2-1.4
MX-200	ABS	2YSA, 2Y400SA (H	I5) C1	F, H-Fillet	DCEP	1.2-1.6
MX-200H	ABS	3Y400SA (H5)	C1	F, H-Fillet	DCEP	1.2-1.6
MX-200H/MX-20	0H ABS	3Y400A (H5)	C1	F, H-Fillet	DCEP	1.4-1.6
MX-A200	ABS	3YSA (H5) M	21(80%Ar-20%CO2)	F (Fillet onl	y) DCEP	1.1-1.6
MX-Z200	ABS	2YSA, 2Y400SA (I	H5) C1	F, H-Fillet	DCEP	1.2-1.6
MX-200HS(X2)/N	MG-1HS ABS	3YA, 3Y400A (H5) C1	F, H-Fillet D	CEP(X2)/DCEN	1.6(X2)/1.2
MG-50HM/MX-5	0HM ABS	3Y400A	C1	F, H-Fillet	DCEP	1.6/1.4



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