



Certificate number : WD 5496/49/Q.0

File number : 5496 T 2004

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

KOBE STEEL, LTD. Fukuchiyama Plant
Fukuchiyama - JAPAN

for the product

Solid Wire / Gas Combination for Semi-Automatic or Automatic Welding

Designation	: A-5183WY / Ar+He
Grade	: WC
Description	: Gas Shield Ar + He
Diameter	: 0.8 - 5.6 mm
Welding current	: DC
Welding position	: 0.8 - 5.6 mm: Flat butt weld (PA bw); 0.8 - 5.0mm: Overhead butt weld (PE bw), Flat fillet weld (PA fw), Horizontal overhead fillet weld (PD fw); 1.2 - 2.4 mm: Horizontal vertical butt weld (PC bw), Vertical upwards butt weld (PF bw), Horizontal vertical fillet weld (PB fw), Vertical upwards fillet weld (PF fw), Vertical downwards fillet weld (PG fw)
Remark	: Shielding gas used for PA butt weld test assembly : 50%He + 50%Ar; Shielding gas used for PF butt weld test assembly : 70%He + 30%Ar; Shielding gas used for PG fillet weld test assembly : 100 %He

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which has been declared to Bureau Veritas Marine & Offshore as identical to a product already approved in compliance with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 13 Oct 2020

For Bureau Veritas Marine & Offshore,

Local office: BV YOKOHAMA

Issued on 17 Dec 2019

Surveyor: M. Sekine



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The Electronic Version is available at: <http://www.veristamb.com/veristarnb/jsp/viewPublicPdfWelding.jsp?id=rt48yqjnd5>

BV Mod. Ad.E 537 June 2017

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