



TYPE APPROVAL CERTIFICATE

Certificate No. : TKY03292-WD012 **Initial Approval** : 18th November, 2013

Product : Welding Consumables

Manufacturer : Kobe Steel, Ltd., Ibaraki Plant
2-19, Higashiunobe-cho, Ibaraki-city, Osaka, 567-0879, Japan

Product Description : Consumables for use in electrogas vertical welding

- Brand	: DW-S50GTF / DW-S50GTR / KL-4
- Grade	: 4Y40V
- Dia. of Wire(mm)	: 1.6
- Welding Position	: Vertical-upward
- Current(Polarity)	: Face side, DW-S50GTF, DC(+) Root side, DW-S50GTR, DC(-)
- Shielding Gas	: CO ₂ 100%
- Intended for	: Tandem Electro-Gas Welding Process
- Applicable Thickness	: 35 - 80 mm

* See "Appendix 1"

Approval Condition :

1. The product or packing is to be marked with manufacturer name and type designation on a suitable position.
2. Individual Product Certification is not required.
3. Periodical survey is to be carried out at an interval of one(1) year in the presence of the surveyor.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 2, Ch. 2, Sec. 6, Art. 605 of the Rules for Classification of Steel Ships.

This Certificate is valid until 17th November, 2023

Issued at Tokyo, Japan on 13th June, 2018



KOREAN REGISTER OF SHIPPING

[Signature]
General Manager of
Tokyo Branch Office

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Endorsement for Periodical Survey

Certificate No : TKY03292-WD012

Date of Issue : 13th June, 2018

Anniversary Date : 17th November

This is to certify that the product is in compliance with the relevant requirements to obtain /retain the Society's approval in accordance with Pt. 2, Ch. 2, Sec. 6, Art. 605 of the Rules for Classification of Steel Ships. and is valid until 17th November, 2019

■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) : 17th November 2020
Tokyo, Japan
Date : 4th September 2019
Surveyor : [Signature] Jyun Hwansung

■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) : 17th November 2020
Tokyo, Japan
Date : 2th May 2020
Surveyor : [Signature] Jyun Hwansung

■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) : _____
Date : _____
Surveyor : _____

■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) : _____
Date : _____
Surveyor : _____

Note : The approval will be automatically suspended and the Certificate become invalid if not endorsed annually within 3 months after the anniversary date of this Certificate