



# TYPE APPROVAL CERTIFICATE

**Certificate No.** : TKY03292-WD013                      **Initial Approval** : 22nd January, 2018  
**Product** : Welding Consumables  
**Manufacturer** : Kobe Steel, Ltd., Ibaraki Plant  
2-19, Higashiunobe-cho, Ibaraki-city, Osaka, 567-0879, Japan

**Product Description** : Gas Shielded Arc Automatic Welding Consumables

- Brand : MG-50HM / MX-50HM
  - Grade : 3YMG(C)
  - Dia. of wire : 1.6 mm (MG-50HM, solid)  
1.4 mm (MX-50HM, flux cored)
  - Current(Polarity) : DC(+)
  - Shielding gas : CO<sub>2</sub> 100%
  - Welding position : Flat, horizontal-fillet
  - Intended for : Tandem welding (lead : MG-50HM, trail : MX-50HM)
- \* 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.

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

This Certificate is valid until 21st January, 2023

Issued at Tokyo, Japan on 22nd January, 2018



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No (ME20026637986) and certificate No.(TKY03292-WD013).



KOREAN REGISTER

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.

Appendix 1

## Endorsement for Periodical Survey

Certificate No : TKY03292-WD013

Date of Issue : 22nd January, 2018

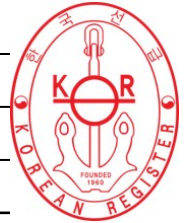
Anniversary Date : 21st January

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 of the Rules for Classification of Steel Ships. and is valid until 21st January, 2019

### ■ Periodical Survey

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

21st January, 2020  
Branch(Office) : Tokyo Branch Office  
Date : 6th July, 2018  
Surveyor : CHO Hangje



### ■ Periodical Survey

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

21st January, 2021  
Branch(Office) : Tokyo Branch Office  
Date : 21st November, 2019  
Surveyor : JYUN Hwansung



### ■ Periodical Survey

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

21st January, 2022  
Branch(Office) : Tokyo Branch Office  
Date : 22nd July, 2020  
Surveyor : JYUN Hwansung



### ■ 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