



TYPE APPROVAL CERTIFICATE

Certificate No. : CWN19339-PE001 **Initial Approval** : 22nd March, 2006

Product : Pipe Fittings

Manufacturer : DK LOK CORPORATION

129-7 Golden root-ro, Juchon-myeon, Gimhae-si, Gyeongnam, Korea

Product Description: - Bite Type Tube Fittings

- Dk-Lok Tube Fittings

" See Appendix 1 "

Approval Condition: " See Appendix 1 "

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. 5, Ch. 6, Sec. 1 of the Rules for Classification of Steel Ships.

This Certificate is valid until 21st March, 2021

Issued at Changwon, Korea on 16th March, 2016



KOREAN REGISTER OF SHIPPING

[Signature]
General Manager of
Changwon Branch Office

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.

2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Appendix 1

Product Description and/or Approval Condition

Certificate No : CWN19339-PE001

Date of Issue : 16th March, 2016

© Product Description :

1. Bite Type Tube Fittings

- Material : Stainless Steel, Carbon Steel, Brass*
- Elastomer seal : NBR, FKM, PTEE
- Pipe O.D. (mm) : 6 mm to 42 mm, 1/8 inches to 1-1/2 inches
- Design Pressure (Bar) : Stainless Steel : 49 MPa to 20.6 MPa depending on sizes
Carbon Steel : 49 MPa to 20.6 MPa depending on sizes
Brass : 24.5 MPa to 11.7 MPa depending on sizes

2. Dk-Lok Tube Fittings

- Material : Stainless Steel, Brass*
- Elastomer seal : NBR, FKM, PTEE
- Pipe O.D. (mm) : 2mm to 38 mm, 1/16 inches to 2 inches
- Design Pressure (Bar) : Stainless Steel : 67 MPa to 31 MPa depending on sizes
Brass : 23 MPa to 10.9 MPa depending on sizes

* Joints made of Brass not to be used in the line with a design temperature over 200 °C.

© Approval Conditions :

1. This approval is granted on the basis of Test reports No. DK-20000418-053 done by DK Tech & approved by DNV (28. Sep. 2000)
2. Individual Product Certification is required in case of pipes belonging to Class I or II. < The end >