



TÜRK LOYDU

PRODUCT CERTIFICATE

This Certificate consists of 2 pages.

This is to certify that the

EXPANSION JOINT WITH FIXED FLANGES

With Serial Number (s)

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Manufactured by

HACI AYVAZ END. MAM. SAN. ve TİC. A.Ş.

Is found to comply with

Türk Loydu Machinery Rules 2016 Section 16 , Türk Loydu Additional Rules Regulations for the Performance of the Type Tests Part 7.

- Application** : The Expansion Joint with Fixed Flanges intended for general purpose according to Türk Loydu Machinery Rules.
- Design** : HACI AYVAZ END. MAM. SAN. ve TİC. A.Ş.
- Sizes** : DN40 PN25
- Address of Manufacturer** : Atatürk Sanayi Bölgesi Hadımköy Mah. Mustafa İnan caddesi
No: 44 ARNAVUTKÖY – İSTANBUL
- Place and date** : İSTANBUL, 15.03.2016

Hür FIRTINA
New Building Division Manager

Hasan HABİBOĞLU
Surveyor



This certificate is subject to terms and conditions below; Product Certificate is valid for tested equipments. This certificate is not valid for products without TL stamp hereby mentioned. Any change in approval condition and product will revoke this certificate. Product certificate is not used as Type Approval Certificate.

Product mentioned in this certificate has been produced for LST 1 (Y-2018) and HACI AYVAZ END. MAM. SAN. ve TİC. A.Ş. has been applied for product certification.

Product description:

Type Designation : DN40 PN25

Materials used : CAD No : 702.039.150.040

Bellow : ASTM A240M/03 ASTM A480M/03 Steel grade AISI 321
t: 0.25 mm Wall thickness : 0.25 mmx5 (S.C Otelineox S.A Certificate : EN 10204 3.1)

Band : ASTM A240M/03 ASTM A480M/03 Steel grade AISI 321
t: 0.25 mm Wall thickness : 0.25 mmx5 (S.C Otelineox S.A Certificate : EN 10204 3.1)

Flange : ASTM A240/A240 M/ED.10 ASME SA 240 Sec. II Part A/ED.07 A 10
Steel grade AISI 304 t: 18 mm (ACRONI Certificate : EN 10204 3.1)

Application/ Limitation (Approval conditions):

The connecting of Expansion Joint with Fixed Flanges to any line and the supporting structure is no covered by this approval.

Documentation :

The design and construction drawing approved by Türk Loydu dated 16.02.2016
TL Ref. number: P/0208/16-0216/IK/OE - CAD No : 702.039.150.040 Rev. No: 0 and
Türk Loydu approved date 14.03.2016 - TL Ref. number: P/0326/16-0216/IK/OE
CAD No : 702.039.150.040 Rev. No: 1

Test carried out (and results) :

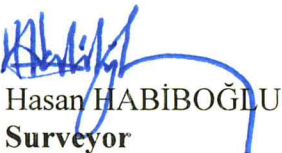
- Dimensional control with approved drawing.
- Visual inspection
- Leak tightness test (under internal pressure value equal to 1.5 times of design pressure : 37.5 bar)
- Rupture test (Pressure value equal to 4 times of design pressure : 100 bar) found satisfactory
- Life test (Number of cycle: 1000) found satisfactory

Place of test carried out : Atatürk Sanayi Bölgesi Hadımköy Mah. Mustafa İnan caddesi
No: 44 ARNAVUTKÖY – İSTANBUL

Marking of product: The product to be marked same as below mentioned.

16 – 0216 – 1,2,3,4

03  16


Hasan HABİBOĞLU
Surveyor