



NIPPON KAIJI KYOKAI

COPY

TYPE APPROVAL CERTIFICATE

Certificate No. TA13129M

This is to certify that the undernoted product(s)/manufacturing process has/have been approved /type tested in accordance with the relevant requirements of "Rules for the Survey and Construction of Steel Ships" and "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

This certificate is issued to

Manufacturer:	Arya Crafts & Engineering Pvt. Ltd.
Product description	Mechanical Joint
Type of joint:	Compression Couplings (Bite Type)
Type designation(s):	AHF series
Approval No.:	13FV102B
Valid until:	16th June 2018

This certificate is subject to the conditions specified in the attached sheet(s).

Issued at Tokyo on 17th June 2013




Y. Shibata
General Manager
Machinery Department

1. Particulars and conditions:

Type	: Union	Union Elbow	Reducing Union
	Union Tee	Union Cross	Reducing Tee
	Bulkhead Union	Weld Bulkhead Union	Bulkhead Union Elbow
	Male Connector	Male Elbow	Female Connector
	Adjustable Elbow	Adjustable Branch Tee	Adjustable Run Tee
	Swivel Adjustable Elbow	Swivel Branch Tee	Swivel Run Tee
	Swivel Union	Reducer	Swivel Reducing Adapter
	Adapter	Swivel Adapter	Weld Connector
	Port Weld Connector	Reducing Port Weld Connector	Reducing Adapter
	Gauge Adapter	Blanking Plugs	Plugging Plug
	Cap-Capping	Tube Insert	Bulkhead Lock Nut
	Sealing Ring	ED-Ring	Nut
	Ferrule		
Nominal Diameter*	: 4 to 42 mm		
Design Pressure*	: 80MPa		
Design Temperature*	: -60 to 400°C		
Material			
Fittings	: Carbon Steel, Stainless Steel, Brass		
Seal	: NBR, FPM, PTFE		

*For detail, see the maker's catalog.

2. Type approval tests carried out :

Tightness test, Repeated Assembly test, Burst test, Vibration test, Pressure pulsation test, Pull-out test

3. Drawings :

ACEPL/VR/342/12-13, NK/W/01, NK/W/02, NK/W/03, NK/W/04,

4. Production test :

The joints used for piping belonging to Group I & II defined by the requirements 12.1.3, Chapter 12, Part D of the Society's Rules are to be subjected to hydraulic test in the presence of the Society's surveyor in accordance with the requirements 12.6.1, Chapter 12, Part D of the Society's Rules.

Notice :

Any significant changes in design or construction of the above items may render this certificate invalid.

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