



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA22029M

This is to certify that the undernoted products have been approved in accordance with the requirements 12.3.3, Chapt.12, Part D of “Rules for the Survey and Construction of Steel Ships” and Chapt.9, Part 6 “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”.

This certificate is issued to

Manufacturer :	HSME Corporation
Place of manufacturer :	8, Hwajeonsandan 5-ro, Gangseo-gu, Busan, Korea
Product description :	Mechanical Joint
Type of Joint :	Compression Coupling
Type designation(s) :	Bite Type Tube Fittings M Tube Fittings
Approval No. :	12FV101B
Valid until :	4 April 2027

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

Issued at Tokyo on 28 January 2022.



T. Shimada
General Manager
Machinery Department

1. Particulars and conditions :

Type : Bite Type Tube Fittings for JIS B2351
Material : Carbon Steel, Stainless Steel, Brass
Nominal Diameter : 6 mm to 50 mm
Design Pressure : 25 MPa (250 bar)
Design Temperature : -20°C to 300°C
Kind of fluid : hydraulic oil, compressed air, fuel oil (not high pressure injection systems), lubricating oil, fresh water cooling and sanitary

Type : M Tube Fittings
Material : Carbon Steel, Stainless Steel, Brass
Nominal Diameter : 1/4" to 1" (inch)
Design Pressure : 30 MPa (300 bar)
Design Temperature : -20°C to 300°C
Kind of fluid : hydraulic oil, compressed air, fuel oil (not high pressure injection systems), lubricating oil, fresh water cooling and sanitary

2. Type approval tests carried out :

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

3. Drawings :

Bite Type Tube Fittings for JIS B2351 :

BU, BBU, BBUW, BL, BLM, BLLM, BOLM, BLA, BSLM, BLF, BBL, BT, BX, BBTM, BRTM, BBTF, BRTE, BBTA, BTRA, BMC-R, BMC-G, BOM-G, BLMC, BFC, BGC, BBFC, BCW, BR, BA-R, BA-G, BA-GO, BHUM, BHUF, BHBM, BHBF, BHLM, BHLF, BHBLM, BHBLF, BP, BCA, BJ, BAP-1, BAP-2, BN, BS

M Tube Fittings :

AU, AUR, AUB, ABUW, ABUWH, AL, ALM-N, ALM-R, ALA, ALS, ALS-G, ALW, ALSW, ALF, ALBM, ASLA, AT, ATBM, ATRM, ATBA, ATRA, ASBT, ASRT, ATBF, ATRF, AX, AMC-N, AMC-R, AMC-G, AMC-GB, AGA, AGB, AMCB-N, AMCS, AOS, AOP, AUA, AUBA, AFC, AGC, ACBF, ACW, ACSW, AR, AAB, APC, APR, AAM, AAM-G, AAM-U, AAM-OR, AAMF, AAPW, AAA, AAF, AAF-G, AAG-G, AF, ALJ, AP, AC, AFA, HI, AN, AFB, AFF, AFS, AFSN, AGA, AGB

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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