

EXTRACT OF THE GENERAL CONDITIONS OF THE BUREAU VERITAS. - Bureau Veritas is a Society established for the purpose of undertaking the classification of ships and aircraft of all categories, the inspection of materials and equipment, the inspection and surveys of construction of buildings and General Civil Engineering as well as of installations and plants of all kinds. The interventions of Bureau Veritas shall not in any case, involve the responsibility though its opinion may be discussed by people concerned. The Bureau Veritas declines any responsibility for errors of judgment, mistakes or negligence which may be committed by its technical or administrative staff or by its agents. Should a technical disagreement arise between the requesting party and the representative of Bureau Veritas, the Administration may, at the request of the interested party, designate another of its experts. All disputes shall come under the exclusive jurisdiction of Paris Courts, including the case of an appeal under a guarantee, or a forced intervention also in the case of plurality of defendants.

BUREAU



VERITAS

CERTIFICATE OF APPROVAL N° 502/2500/CN2

ANNEX

The present Certificate of Approval is valid for extruded pipe branch connections formed using T. DRILL devices as listed in the Certificate and following relevant procedures indicated by "T. DRILL".

Pipe branch connections according to the above conditions will be accepted for ship piping systems with regard to the following restrictions :

1 - For machinery piping systems belonging to Class I, a supplementary non destructive examination of the strain-hardened zone located at the collar can be requested. According to the type of material to be extruded, subsequent stress relieving heat treatment can also be found necessary.

2 - For cargo piping systems of gas or chemical carriers, acceptance will only be given upon special examination and taking into account each particular application.

A handwritten signature in black ink is enclosed within a simple rectangular border. The signature is stylized and appears to be a first name followed by a surname.

Head of Department

BUREAU VERITAS

Established 1828

**CERTIFICATE OF APPROVAL**

Considering the data supplied at the date of this certificate, BUREAU VERITAS accepts the use of the item defined hereafter on board ships classed with this Society :

Manufacturer : SERLACHIUS - T.DRILL Division

Place of manufacture : LAIHIA - FINLAND

Description : Extruded outlets for pipe branch connections formed using T30, T50, T150, T500 and SA 50 B devices.

~~XXXXX~~

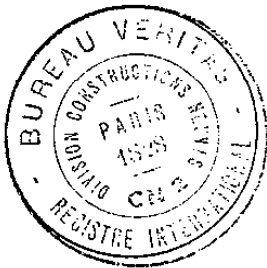
under reserve of the following particular conditions :

SEE ANNEX

The approval implies that the item undergoes, before fitting on board, the inspections required by the Society's Rules and is installed according to the Manufacturer's instructions, to the requirements of the Society's Rules and to the satisfaction of the Society's Surveyors.

The approval is valid until **MAY 31st, 1986**
but may be withdrawn in the following cases :

- changes in design or in conditions of use not brought to the knowledge of the Society,
- failures in service.



At **PARIS**, on **MAY 7th** 1982

For Bureau Veritas

P. WEISS
Head of Department

The interventions of Bureau Veritas, carried out, either in accordance with its own Regulations or according to standards, specifications or similar documents explicitly called for, or alternatively, the opinions of the Society as expressed by the symbols of Classification or special marks, certificates, attestations, reports or similar documents, shall not in any case, involve the responsibility of the Society.

Although the utmost care is taken in the drafting of Bureau Veritas publications, particularly in respect to the Register, the Society declines any responsibility for errors or omissions which may be found therein, or in the certificates, attestations or reports drawn up by its Services or by its Surveyors and which may be made the subject of observations by the parties concerned. Furthermore, Bureau Veritas, declines any responsibility for errors of judgement, mistakes or negligence which may be committed by its technical or administrative staff or by its Agents, in the preparation of such documents and in the performance of the interventions which they cover, nor shall the responsibility of the staff be involved.



BUREAU VERITAS

International Register for Classification of Ships and Aircraft
- Established 1828 -

1982-07-02

MARINE DEPARTMENTS

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ACM 225/1

T. DRILL
G.A. SERLACHIUS OY
T. DRILL DIVISION

Box 20

SF 66400 LAIHIA

FINLAND

Your Ref.:

Our Ref.: 7563 CN.2 PF/FM

Date: 25th June, 1982

SUBJECT : "Larikka" T.Drill method of extruding outlets for
pipe branch connections
Our Certificate of Approval 502/2500/CN.2 issued
7th May 1982

Dear Sirs,

Further to the visit of Messrs MYLLYCA & BRUNO in our Office and after examination of the documents they presented, we have no principle objection to the use of T. Drill method for the forming of extruded outlets for pipe branch connections of cargo piping systems of gas or chemical carriers classed with our Register.

This formal approval does not preclude surveys and inspections which can be requested by our local Surveyors for each particular application as regards approval of tubes and fittings, non destructive examination, and qualification of operators.

Yours Faithfully

P. WEISS

Head of Department

cc : M. BRUNO