

Transformed

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION
R 1175**

SHIPBUILDING DETAILS

**DIMENSIONS AND SECTIONAL PROPERTIES
OF ALUMINIUM ALLOY SECTIONS FOR MARINE USE**

1st EDITION

January 1970

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BRIEF HISTORY

The ISO Recommendation R 1175, *Shipbuilding details – Dimensions and sectional properties of aluminium alloy sections for marine use*, was drawn up by Technical Committee ISO/TC 8, *Shipbuilding details*, the Secretariat of which is held by the Nederlands Normalisatie-Instituut (NNI).

Work on this question led to the adoption of a Draft ISO Recommendation.

In October 1968, this Draft ISO Recommendation (No. 1714) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	Israel	Spain
Belgium	Italy	Sweden
Czechoslovakia	Japan	Thailand
France	Netherlands	Turkey
Germany	New Zealand	U.A.R.
Greece	Norway	United Kingdom
India	Poland	Yugoslavia

One Member Body opposed the approval of the Draft :

U.S.S.R.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in January 1970, to accept it as an ISO RECOMMENDATION.

SHIPBUILDING DETAILS

DIMENSIONS AND SECTIONAL PROPERTIES OF ALUMINIUM ALLOY SECTIONS FOR MARINE USE

1. SCOPE

This ISO Recommendation covers dimensions, sectional properties and masses of aluminium alloy sections, with and without welding flange, for marine use.

2. CLASSIFICATION

The dimensions, sectional properties and masses of the following aluminium alloy sections are given under section 3 :

- tee bars without welding flange;
- tee bars with welding flange;
- bulb plates without welding flange;
- bulb plates with welding flange;
- bulb angles.

3. DIMENSIONS AND SECTIONAL PROPERTIES

The calculated masses in kilogrammes per metre, shown in the tables, are based on an average density of 2.65 kg/dm^3 .

Where $e_{\text{NA}} > A$, the neutral axis lies in the plate.

Where $e_{\text{NA}} < \frac{A+t}{2}$, the neutral axis is closer to the outer face of the tee bar or bulb plate than to the upper face of the plate.