

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION

### R 122

→ ISO 121

### COMPOSITION OF MAGNESIUM-ALUMINIUM-ZINC ALLOY INGOTS FOR CASTING PURPOSES

[ISO/R 122:1959](https://standards.iteh.ai/catalog/standards/sist/4af82957-77c8-4b58-8da2-1dad11000000/iso-122-1959)

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## BRIEF HISTORY

The ISO Recommendation R 122, *Composition of Magnesium-Aluminium-Zinc Alloy Ingots for Casting Purposes*, was drawn up by Technical Committee ISO/TC 79, *Light Metals and their Alloys*, the Secretariat of which is held by the Association Française de Normalisation (AFNOR).

A first draft proposal, developed by Working Group No. 3, *Magnesium and its Alloys*, was discussed in detail by the Technical Committee during its second meeting, held in Paris, in October 1956.

Following the decisions reached at that meeting, the ISO/TC 79 Secretariat drew up a second draft proposal, which was submitted to the members of the Technical Committee, in February 1957, and which was adopted, by correspondence, as a Draft ISO Recommendation.

On 13 December 1957, the Draft ISO Recommendation (No. 197) was distributed to all the ISO Member Bodies and was approved by the following Member Bodies:

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Belgium	Hungary	Portugal
Burma	Italy	Romania
Canada	Japan	Spain
Chile	Netherlands	Sweden
Czechoslovakia	New Zealand	Switzerland
France	Norway	United Kingdom
		U.S.S.R.

One Member Body opposed the approval of the Draft: U.S.A.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in August 1959, to accept it as an ISO RECOMMENDATION.

**COMPOSITION  
OF MAGNESIUM-ALUMINIUM-ZINC ALLOY INGOTS  
FOR CASTING PURPOSES**

CHEMICAL COMPOSITION (*per cent*)

Alloy	No. 1	No. 2	No. 3	No. 4	No. 5
Al	7.5 — 8.5	8.3 — 9.8	8.0 — 9.5	5.0 — 6.5	7.0 — 9.2
Zn	0.3 — 0.8	0.3 — 0.8	1.7 — 2.3	2.3 — 3.3	0.4 — 1.8
Mn	0.20 — 0.6	0.20 — 0.6	0.13 — 0.5	0.15 — 0.5	0.2 min.
Si max.	0.2	0.2	0.2	0.2	0.3
Fe max.	0.03	0.03	0.03	0.03	0.05
Cu max.	0.15	0.15	0.15	0.15	0.3
Ni max.	0.01	0.01	0.01	0.01	0.02

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