

SUMMARY

course work in discipline

"Special metallurgy engineering"

student of FS-21

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Subject: Development of technology blanks details "plug" method centrifugal casting

This course work was dismantled parts manufacturing technology "plug" method centrifugal casting. The method consists in electroslag remelting metal, followed by casting molten metal slag together with a metal mold that rotates on its axis at high frequency.

Coursework presented on 28 pages of printed text and has one drawing - sketch mold. Explanatory note consists of an introduction, five chapters, contains a list of references and figures, formulas and tables.

In the introduction disclosed concepts electroslag melting and its importance in the foundry.

The first part is devoted to the explanatory note characteristic modes of production castings. It describes the most efficient method of casting metal in the form of a horizontal axis of rotation.

In the second part of the explanatory note predstaleni constructive and technological calculations.

The third part describes the technology of casting.

The fourth part deals with safety and health requirements.

In the fifth section, the calculation of technical and economic indicators.

Keywords: ELECTROSLAG REMELTING, BUSHINGS, FOUNDRY, REFINING