

ANNOTATION

course work on discipline

"The special metallurgy in mechanical engineering"

student group FS-21

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on "Production of castings parts "Rack- bracket"

by electroslag chill casting"

The course work was presented technology manufacturing technology of casting parts "Rack- bracket" by electroslag chill casting. Course project is presented on 18 pages of printed text and drawing two A4. Explanatory note consists of an introduction, 4 chapters, conclusions, list of references and contains two figures, 24 formulas, 2 tables. The first part of the explanatory note the initiation characteristics of the process of production of castings by this method. This section describes the different ways to manufacture castings. The second part contains the main calculations. These include payment of the casting mass, pouring rate and duration of hydrolysis of ethyl silicate, gating system elements. In the third part of the explanatory note presented technology of casting. The fourth part of a calculation of technical and economic indicators showing the efficiency of this method.

Keywords: PRODUCTION OF CASTINGS PARTS "RACK- BRACKET" BY ELECTROSLAG CHILL CASTING, CALCULATE THE MASS OF CASTING, MANUFACTURING OPERATIONS, TECHNICAL AND ECONOMIC INDICATORS