



## Effect of some parameters on properties of hot chamber die casting

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Hot chamber die casting | Hot chamber die casting process is designed to achieve high dimensional accuracy for small products by forcing molten metal under high pressure into reusable moulds, called dies. The present research work is aimed at the development of spring adjuster as a case study for hot chamber die casting applications. Three controllable factors of the hot chamber die casting process (namely: pressure at second phase, metal pouring temperature and die opening time) were studied at three levels each by Taguchi's parametric approach and single-response optimization was conducted to identify the main factors controlling surface hardness, dimensional accuracy and weight of the casting. Castings were produced using aluminium alloy, at recommended parameters through Hot chamber die casting process. | Format: Paperback | Language/Sprache: english | 64 pp.

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