INSTRUMENT DESIGN REALESE BEARING ON MOTORCYCLES

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Abstract

In the process of the release bearing on motorcycles Tromol dibengkel generally small shops have difficulty due to the release be done manually, which is driven by the external dimensions of bearings that can cause damage to the bearings. For that purpose made tool for removing bearings Help Tromol motorcycle.

In making the release tools Tromol motorcycle bearing out a study of literature and field observations, and then do the design and tool making equipment dimensions. Then performed the analysis and calculations and assembly processes used for materials selection. Further testing tool to find tools to work well or not.

From the planning and calculation results obtained by force required to remove the holder for bearing at 4.671 N and the force required for gripping bearing registration withdrawn at 7.5 N. For the selection of materials to use "STEEL ASTM Class 20". Work mechanism using the screw right tools to facilitate the withdrawal process bearing.