

# PRE-PRODUCTION SERIES OF A PNEUMATIC PICK- HAMMER WITH VIBRATION AND NOISE CONTROL

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BY : ROBERT POKOTE  
MUTYAVAVIRI

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## ABSTRACT

project primarily involved the design of a pick-hammer with vibration noise protection with the following output data :

mass - 9 kg ; impact energy - 40 J ; number of impacts - 1250 min  
cylinder internal diameter - 36mm ; piston stroke ; 160 mm ;

air pressure 0.5 MPa. The prototype used was patent no. 21976-29-03-75

market survey was done to determine the current demand of pick-hammers in above. Working and assembly drawings for the proposed pick-hammer were developed. Production flow process charts were drawn up for the individual component parts earmarked for inhouse production, and flow diagrams were developed for the production of a preliminary series of one hundred (100) pick-hammers were developed.