

Title (en)

CYLINDER CRANKCASE HAVING A CYLINDER SLEEVE, AND CASTING TOOL

Title (de)

ZYLINDERKURBELGEHÄUSE MIT EINER ZYLINDERLAUFBUCHSE UND GIESSWERKZEUG

Title (fr)

CARTER DE VILEBREQUIN DE CYLINDRE COMPORTANT UNE CHEMISE DE CYLINDRE ET OUTIL DE COULAGE

Publication

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Application

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Abstract (en)

[origin: US2005061285A1] The invention relates to a cylinder crankcase made of an aluminum diecasting alloy with at least one cylinder bore which has at least one cylinder liner made of a hypereutectic aluminum/silicon alloy, in which in each case a piston is arranged so as to be axially movable, the piston comprising at least one piston ring, one piston skirt and one piston crown, the piston having, with respect to its movement relative to the piston ring, a top and a bottom dead center. The invention is characterized in that the cylinder liner ends at most 10 mm below the bottom dead center, and edge regions of the cylinder bore below the cylinder liner consist of the aluminum diecasting alloy.

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