

## Abstract Details

**Title:** Analysis of porous aluminum single plate clutch

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**Abstract:** Clutch is used to engage and disengaged the engine from transmission system. The clutch permits gradual taking of load when properly operated, thereby it prevent jerky motion of the vehicle and this avoids under strain on the parts of vehicle as well as passengers. A clutch is a device used to transmit the rotary motion of one shaft to another when desired. This research explains the design of porous aluminum single plate clutch. Solid works is used for the designing of clutch, and it is also used simulation and analysis of parts.

**Keywords:** clutch, porous aluminum, shaft, coefficient of friction.