

DESIGN OF PLANETARY GEAR TO USE IT FOR LAPPING OF WEDGE OF GATE VALVE AND ITS BENEFITS OVER OTHER GEAR MECHANISM

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ABSTRACT

Planetary gears (PLG's) work as the name implies: the sun wheel is in the center and driven by the motor. It confers its motion onto three rotary planetary wheels which form a stage. They are arranged on the bearing bolt of a planetary carrier. The last planetary carrier in each case is rigidly connected to the drive shaft and so provides power transmission. On the outside the planetary gear wheels also rotate in a gearbox with internal gearing, the so-called hollow wheel.

Objectives

Gear Operating Applications Aims at Two Basic Objectives

- To increase power transmission.
- To increase efficiency of system.

KEYWORDS: Planetary Gear, Lapping