



This diagram illustrates the internal components of a mechanical system. The central shaft is supported by bearings and is connected to a drive mechanism. The horizontal arm is part of a linkage system that converts rotational motion into linear motion. The circular component on the left is a rotor that interacts with a stator to create a magnetic field. The entire assembly is housed in a protective casing.

The diagram shows a detailed view of the mechanical parts. The central shaft is made of a high-strength material and is precision-machined. The horizontal arm is attached to the shaft via a key and nut. The circular component is a permanent magnet that provides the driving force for the system. The casing is designed to protect the internal components and to dissipate heat.

Figure 1: Schematic diagram of the mechanical assembly.

Figure 2: Detailed view of the mechanical parts.