

Flexible Damping Pieces and Flexible Damping Device

ABSTRACT

Flexible damping pieces, which used in a flexible damping device, is constructed for connecting to two different mechanical shafts. The Flexible damping pieces can absorb extra torque which is made by the external force, and these makes the different two machines be coaxial-rotating. The flexible damping pieces is arranged between the two machines and it is attached to the two machines and the flexible damping pieces is arranged radially on the first plane. The first plane is composed of the X-axis and the Y-axis in the Cartesian coordinate system. When the flexible damping pieces is installed in the vehicle, it makes the vehicle absorb the larger instantaneous external force received by the wheels when the vehicle is travelling so that the impact of the external forces to the structure of the motor and the second gear inside the gearbox can be reduced. Therefore, those parts can be protected.

FIG. 2