

摘要

我们都知道在汽车的转向的系统的结构中，转向器是它的最主要的组成部件，而循环球式转向器是重要转向器中的一种，它的结构的组成零部件有螺母、钢球、转向器壳体、螺杆等等零部件。按照汽车设计的原则，根据国家的现有标准设计一款重型汽车的循环球式转向器，具有轻便的操纵性，非常高的传动效率，在运动过程中受到的磨损较小，而且具有较长的使用寿命。

关键词：转向系统 循环球式转向器的设计 设计 校核

ABSTRACT

the steering gear is the most important component in the steering system of automobile, among which the circulating ball steering gear is one of them, and its components include nut, steel ball, steering gear shell, screw and so on. According to the principle of automobile design, the circulating ball steering gear of heavy duty vehicle is designed according to the existing national standard, which has the advantages of light maneuverability, very high transmission efficiency and less wear in the process of movement. And has longer service life.

KEYWORDS: steering system, circular ball type rotator, design, check.

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