

鼓形齿式联轴器 Gear coupling with crowned teeth

齿式联轴器是由齿数相同的内齿圈和带外齿的凸缘半联轴器等零件组成。所谓鼓形齿即为将外齿制成球形，球面中心在齿轮轴线上，齿侧间隙较一般齿轮大，鼓形齿联轴器可允许较大的角位移，可以改善齿面的接触条件，提高传递扭矩的能力，延长使用寿命。

齿式联轴器在工作时，两轴产生相对角位移，内外齿面周期性做轴向相对滑动，必然形成齿面磨损和功率损耗，因此，齿式联轴器必须在良好的润滑和密封状态下工作。齿式联轴器的径向尺寸大小、，承载能力大，常用于低速重载工况条件的轴系传动。由于鼓形齿式联轴器角向补偿量大于直齿联轴器，现在国内外均广泛使用鼓形齿式联轴器。

我公司可提供以下产品，以满足您不同的安装需求。

Gear coupling is composed of components including annular gear, flange half-coupling with internal teeth and so on. What is called crowned teeth is that external teeth are made into spherical shapes. The center of sphere is on the gear shaft line. Flank clearance is larger than general gear. Gear coupling with crowned teeth can have major angular displacement, improve contact condition of tooth flank and enhance capacity of carry over moment to increase of service life.

When gear coupling running, two axes generate relative angle displacement, and internal and external tooth flank makes relative slip, which results in tooth flank wear and power loss. Therefore, gear coupling must work in the conditions of good lubrication and encapsulation. Raial dimension of gear coupling is small and its bearing power is strong. The gear coupling is often applied in the driving of overload conditions. Because angular compensation of gear coupling with crowned teeth is greater than that of straight tooth coupling, gear coupling with crowned teeth are extensively used at home and abroad at present.

My company provides products as follows to satisfy your different installation requirements.

