

# 1. Features of the Spherical Bearing

## 1.1. Structure and Features of the Spherical Bearing

Spherical Bearings models SB and SA1 are self-aligning plain bearings designed for heavy loads. The inner and outer rings of these models use high-carbon chromium bearing steel that is hardened, ground, phosphate-coated and seized with molybdenum disulfide ( $\text{MoS}_2$ ).

The Spherical Bearing is capable of receiving a large radial load and thrust loads in both directions. Furthermore, because of its high resistance to impact loads, the Spherical Bearing is optimal for low-speed, heavy-load rocking components such as the cylinder clevises or hinges of construction and civil-engineering machinery, the suspensions of trucks and the bolster anchors of electric cars.