

Drive Sheave and Elevator

Abstract

The present invention relates to a drive sheave and an elevator, comprising: a rim in the shape of a cylinder, a drum in the shape of a cylinder, and a support plate connecting the inner circumferential surface of the rim and the outer circumferential surface of the drum, wherein the support plate is uniformly drilled with five through holes in a circumferential direction; formed on the support plate and between the two adjacent through holes is a reinforcing rib that extends from the drum toward the rim in a radial direction of the drive sheave; the drive sheave has a diameter of 322 mm; the thickness of the drum along the radial direction ranges from 13.5 to 16.5 mm; the thickness of the rim along the radial direction is in the range of 20-23mm; the thickness of the support plate along the axial direction is in the range of 9-14mm; the thickness of the reinforcing rib along the axial direction is in the range of 52-57mm, and the width of the reinforcing rib along a direction orthogonal to the extending direction thereof and parallel to the support plate is in the range of 7-11 mm; an opening width of the through holes along the radial direction is in the range of 50-60 mm, and a minimum distance between the adjacent sides of one of these adjacent through holes and of the other is in the range of 25-35 mm.

The most illustrative drawing to accompany the abstract: Figure 1