Drive Axle Forklift

Drive Axle for Forklifts - A lift truck drive axle is a piece of equipment which is elastically affixed to a vehicle framework utilizing a lift mast. The lift mast is connected to the drive axle and can be inclined round the axial centerline of the drive axle. This is done by at the very least one tilting cylinder. Forward bearing elements along with rear bearing parts of a torque bearing system are responsible for fastening the drive axle to the vehicle frame. The drive axle can be pivoted around a swiveling axis oriented transversely and horizontally in the vicinity of the back bearing parts. The lift mast is also capable of being inclined relative to the drive axle. The tilting cylinder is connected to the lift truck framework and the lift mast in an articulated fashion. This enables the tilting cylinder to be oriented nearly parallel to a plane extending from the swiveling axis to the axial centerline.

Unit H45, H35 and H40 forklifts, which are manufactured by Linde AG in Aschaffenburg, Germany, have a connected lift mast tilt on the vehicle framework itself. The drive axle is elastically attached to the framework of the lift truck utilizing numerous different bearings. The drive axle has tubular axle body together with extension arms attached to it and extend backwards. This particular type of drive axle is elastically attached to the vehicle frame by back bearing elements on the extension arms along with frontward bearing devices located on the axle body. There are two back and two front bearing tools. Each one is separated in the transverse direction of the vehicle from the other bearing machine in its respective pair.

The braking and drive torques of the drive axle are sustained through the back bearing components on the framework by the extension arms. The load and the lift mast create the forces which are transmitted into the street or floor by the framework of the vehicle through the drive axle's anterior bearing elements. It is vital to be certain the parts of the drive axle are put together in a rigid enough way to be able to maintain immovability of the forklift truck. The bearing components could minimize slight bumps or road surface irregularities through travel to a limited extent and provide a bit smoother operation.