

Drive Axle for Forklift

Drive Axle for Forklift - A lift truck drive axle is actually a piece of equipment which is elastically fastened to a vehicle framework utilizing a lift mast. The lift mast is attached to the drive axle and could be inclined round the axial centerline of the drive axle. This is done by no less than one tilting cylinder. Frontward bearing components combined with back bearing parts of a torque bearing system are responsible for fastening the vehicle and the drive axle framework. The drive axle can be pivoted around a swiveling axis oriented horizontally and transversely in the vicinity of the back bearing elements. The lift mast can also be inclined relative to the drive axle. The tilting cylinder is affixed to the vehicle frame and the lift mast in an articulated fashion. This enables the tilting cylinder to be oriented almost parallel to a plane extending from the swiveling axis to the axial centerline.

Model H35, H40, and H45 forklifts, that are manufactured by Linde AG in Aschaffenburg, Germany, have a affixed lift mast tilt on the vehicle frame itself. The drive axle is elastically attached to the framework of the forklift utilizing numerous different bearings. The drive axle contains a tubular axle body along with extension arms affixed to it and extend rearwards. This particular kind of drive axle is elastically affixed to the vehicle framework using back bearing parts on the extension arms together with forward bearing tools located on the axle body. There are two back and two front bearing tools. Each one is separated in the transverse direction of the lift truck from the other bearing machine in its respective pair.

The drive and braking torques of the drive axle on this unit of lift truck are sustained using the extension arms through the rear bearing components on the framework. The forces produced by the load being carried and the lift mast are transmitted into the floor or street by the vehicle frame through the front bearing parts of the drive axle. It is important to be certain the parts of the drive axle are put together in a rigid enough method so as to maintain immovability of the lift truck truck. The bearing components could lessen minor road surface irregularities or bumps through travel to a limited extent and provide a bit smoother function.