

Forklift Mast Chains

Forklift Mast Chain - Used in various functions, leaf chains are regulated by ANSI. They can be utilized for forklift masts, as balancers between counterweight and heads in some machine gadgets, and for low-speed pulling and tension linkage. Leaf chains are at times also called Balance Chains.

Construction and Features

Constructed of a simple pin construction and link plate, steel leaf chains is identified by a number which refers to the pitch and the lacing of the links. The chains have particular features such as high tensile strength for each section area, that enables the design of smaller machines. There are A- and B- type chains in this series and both the AL6 and BL6 Series contain the same pitch as RS60. Lastly, these chains cannot be driven using sprockets.

Handling and Selection

Comparably, in roller chains, all of the link plates have higher fatigue resistance because of the compressive stress of press fits, while in leaf chains, just two outer plates are press fit. The tensile strength of leaf chains is high and the most acceptable tension is low. If handling leaf chains it is essential to confer with the manufacturer's instruction booklet so as to ensure the safety factor is outlined and use safety guards all the time. It is a better idea to carry out extreme care and use extra safety guards in functions where the consequences of chain failure are serious.

Higher tensile strength is a direct correlation to the utilization of much more plates. As the utilization of more plates does not improve the utmost acceptable tension directly, the number of plates can be restricted. The chains need regular lubrication for the reason that the pins link directly on the plates, generating a really high bearing pressure. Making use of a SAE 30 or 40 machine oil is normally suggested for nearly all applications. If the chain is cycled more than one thousand times every day or if the chain speed is more than 30m for each minute, it will wear really rapidly, even with constant lubrication. Thus, in either of these situations the use of RS Roller Chains will be more suitable.

AL type chains are just to be utilized under certain situations like for example where there are no shock loads or when wear is not really a big problem. Be positive that the number of cycles does not go beyond 100 daily. The BL-type would be better suited under other conditions.

If a chain utilizing a lower safety factor is selected then the stress load in parts will become higher. If chains are used with corrosive elements, then they may become fatigued and break somewhat easily. Performing frequent maintenance is really vital if operating under these types of situations.

The type of end link of the chain, whether it is an inner link or outer link, determines the shape of the clevis. Clevis connectors or also called Clevis pins are made by manufacturers but often, the user supplies the clevis. A wrongly made clevis can lessen the working life of the chain. The strands should be finished to length by the maker. Refer to the ANSI standard or contact the producer.