

Forklift Mast Chain

Mast Chains - Used in different applications, leaf chains are regulated by ANSI. They can be used for lift truck masts, as balancers between counterweight and heads in several machine gadgets, and for tension linkage and low-speed pulling. Leaf chains are at times even referred to as Balance Chains.

Features and Construction

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 certain features such as high tensile strength for each section area, which enables the design of smaller devices. There are B- and A+ kind chains in this series and both the BL6 and AL6 Series comprise the same pitch as RS60. Lastly, these chains cannot be powered using sprockets.

Handling and Selection

In roller chains, the link plates maintain a higher fatigue resistance due to the compressive stress of press fits, yet the leaf chain just has two outer press fit plates. On the leaf chain, the most acceptable tension is low and the tensile strength is high. Whenever handling leaf chains it is essential to check with the manufacturer's instruction manual to be able to guarantee the safety factor is outlined and use safety guards at all times. It is a great idea to carry out utmost care and utilize extra safety measures in functions where the consequences of chain failure are serious.

Higher tensile strength is a direct correlation to the utilization of a lot more plates. Because the utilization of much more plates does not improve the maximum acceptable tension directly, the number of plates may be limited. The chains require frequent lubrication since 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 most applications. If the chain is cycled over 1000 times day after day or if the chain speed is over 30m per minute, it would wear extremely quick, even with continual lubrication. Thus, in either of these conditions the use of RS Roller Chains would be much more suitable.

AL type chains are just to be utilized under particular situations such as where there are no shock loads or if wear is not a big issue. Be sure that the number of cycles does not exceed 100 on a daily basis. The BL-type would be better suited under various conditions.

The stress load in components would become higher if a chain using a lower safety factor is selected. If the chain is even utilized amongst corrosive situations, it can easily fatigue and break very quick. Doing regular maintenance is really essential when operating under these types of conditions.

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 otherwise called Clevis pins are made by manufacturers but normally, the user provides the clevis. A wrongly made clevis can lessen the working life of the chain. The strands must be finished to length by the manufacturer. Refer to the ANSI standard or phone the producer.