

## Forklift Mast Chain

Forklift Mast Chains - Used in different applications, leaf chains are regulated by ANSI. They can be used for forklift masts, as balancers between heads and counterweight in some machine devices, and for low-speed pulling and tension linkage. Leaf chains are at times even called Balance Chains.

### Features and Construction

Constructed of a simple link plate and pin construction, steel leaf chains is identified by a number which refers to the lacing of the links and the pitch. The chains have specific features like for example high tensile strength for every section area, which allows the design of smaller machines. There are A- and B- kind chains in this series and both the AL6 and BL6 Series comprise the same pitch as RS60. Finally, these chains cannot be driven using sprockets.

### Handling and Selection

In roller chains, the link plates have a higher fatigue resistance because of the compressive tension of press fits, yet the leaf chain only contains two outer press fit plates. On the leaf chain, the most acceptable tension is low and the tensile strength is high. When handling leaf chains it is essential to confer with the manufacturer's handbook so as to ensure the safety factor is outlined and use safety measures always. It is a good idea to exercise utmost care and use extra safety guards in applications wherein the consequences of chain failure are severe.

Utilizing more plates in the lacing results in the higher tensile strength. Because this does not enhance the most allowable tension directly, the number of plates used can be restricted. The chains require frequent lubrication in view of the fact that the pins link directly on the plates, producing a very high bearing pressure. Making use of a SAE 30 or 40 machine oil is normally advised for the majority of applications. If the chain is cycled more than one thousand times in a day or if the chain speed is over 30m for every minute, it would wear extremely quick, even with continual lubrication. So, in either of these situations utilizing RS Roller Chains will be a lot more suitable.

The AL-type of chains must only be utilized under particular conditions like for instance when wear is really not a huge problem, if there are no shock loads, the number of cycles does not go beyond a hundred every day. The BL-type will be better suited under various conditions.

If a chain using a lower safety factor is chosen then the stress load in parts would become higher. If chains are used with corrosive elements, then they could become fatigued and break rather easily. Performing regular maintenance is important if operating under these kinds of conditions.

The outer link or inner link kind of end link on the chain will determine the shape of the clevis. Clevis connectors or likewise known as Clevis pins are constructed by manufacturers, but the user usually provides the clevis. A wrongly made clevis can decrease the working life of the chain. The strands must be finished to length by the manufacturer. Check the ANSI standard or get in touch with the manufacturer.