



ORDINARY CHAIN

CONSTRUCTION



DISADVANTAGES

- Pins are locked and press fit only with two outer-plates on each end according to standard chain construction. When a standard leaf chain transports a heavy load which is larger than the press fit strength between pins and plates; pins would start to rotate, and chain life would rapidly deteriorate due to elongation of the sidebar holes.
- With standard leaf chain all plates are mounted with a sliding fit and only the two outer-plates are press fit plates. There is no pre-stress strength applied on sliding inner-plates; therefore less fatigue strength.
- In order to prevent corrosion, heavy grease is normally applied on the chain when working around harbor's, creating potential environmental contamination.

CONSTRUCTION



TB CHAIN

FEATURES

High Strength

A tightened press fit construction increases the tensile and compressive strength between the pin with center-plates. This design distributes the load evenly on the pins. Chain life is significantly prolonged as the press fit design minimizes the chance of the pin rotating.

High Fatigue Strength

Connexus TB-CHAIN pins are encompassed by unique press fit polished bushings. The bushings are case hardened to increase hardness on the surface. The bushing provides a press fit to the center plates that improve fatigue strength by a minimum of 25% more than standard leaf chains.

High Wear-Resistance

Unique bushed center-plate construction provides a true hole, while improving wear-resistance strength and provides longer service life.

MAINTENANCE-FREE TB CHAIN

CONSTRUCTION

Connexus Maintenance-Free leaf chain has the same construction as Viking TB Chain, but an extra O-Ring seal is assembled on the bushing to seal the grease in between the pin and bushing. This contains the lubrication and reduces chain wear thus increasing chain life.

FEATURES

Corrosion Resistant

Harbor's have very high salt contained humidity. Maintenance free leaf chain plates are Dacromet coated to protect the chain from corrosion.

Maintenance Free

Much less grease is required in Connexus Maintenance-Free chain due to the superior construction.

Cost Saving

Grease is contained within the sealed parts, thus the cost of grease is dramatically reduced.

Environmental

The o ring seals contain the grease in the chain reducing the "wash off" of grease into the environment.

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