

NEW ERA OF PORT CHAIN

SEB SuperEndurance Chain



ADVANCE SOLUTION PORT CHAINS

SAVE MONEY SAVE TIME SAVE ENVIRONMENT

Construction

SEB SuperEndurance leaf chain has solid seamless bushes pressed into two inner links. This bush is made to be as perfectly round as possible thereby increasing and optimizing the internal bearing area of the chain. This increase in bearing area distributes the load evenly across the pin, increasing its resistance to wear. The addition of O-ring seals helps to keep the grease locked inside the bush which again reduces chain wear and extends chain service life.

All the major dimensions, breaking loads and working loads of SEB SuperEndurance chain are interchangeable with FB standard chain. This means that customers can safely fit SEB SuperEndurance chain to any machine currently using standard chain.

Key Benefits

Most container handling trucks operate in dock and port applications where there is a high risk from the salt humidity atmosphere. SEB chains are treated with a zinc flake coating which increases corrosion protection to more than 6 times that of an untreated chain.

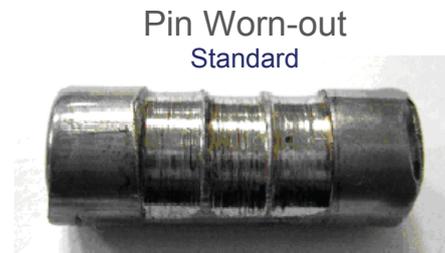
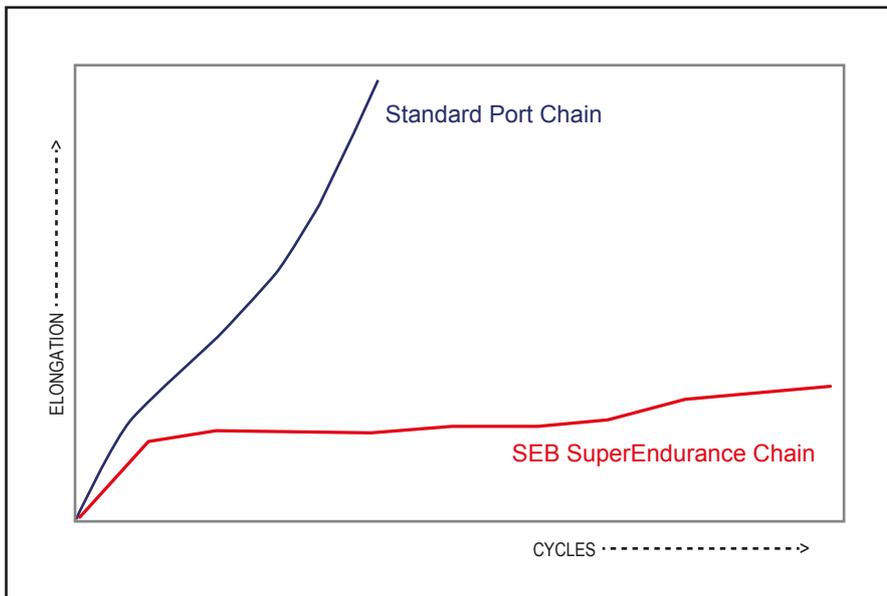
The special O-ring holds lubrication in the key load carrying areas resulting in SEB chain requiring less lubrication which reduces operating costs and limits the amount of oil which is washed off into the environment.

The initial cost and maintenance charges associated with large leaf chains is high. They are time consuming to inspect and maintain and often require specialist lifting equipment to deal with them. The major cost, however, is in having a large piece of equipment 'out of service'. The extended life of SEB chain not only results in customers buying less chain but also the trucks spend less time 'out of service'. These major savings will significantly reduce overall fleet operating costs.

Many chain oils cannot handle the high internal loads experienced in chains fitted to container handling trucks. This is especially true when the trucks are fitted with spreader units that result in the chain being constantly under load even when not lifting. The O-ring and bush construction of SEB SuperEndurance chain reduces bearing pressure and retains the oil in place which extends chain life.



Find out more by visiting
www.fbchain.com



SEB SuperEndurance Chain

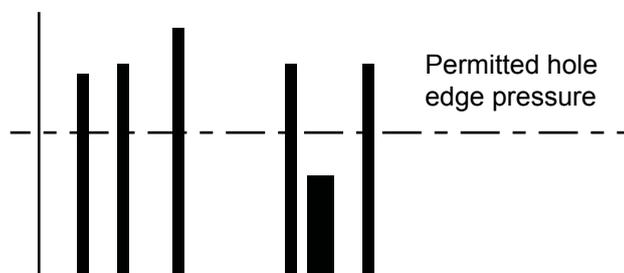
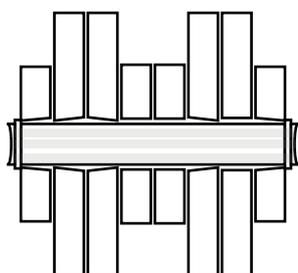


Figure 1. Internal bearing pressure for conventionally manufactured leaf chain

When Leaf chain linkplates are punched out the edge of the plates and pin holes have a small angle on them. This is commonly known as a draft angle and generally allows for the plates to be ejected from high speed tooling. The linkplates of high quality leaf chains such as FB chain have a secondary operation to reduce this angle so as to minimize any negative effect. The greater the angle the more inconsistent the bearing pressure will inevitably become across all linkplates used in the chain construction. On the larger pitch wider leaf chains, typically found on container handling trucks, this inconsistent bearing pressure will result in rapid wear and ‘turned’ pins.

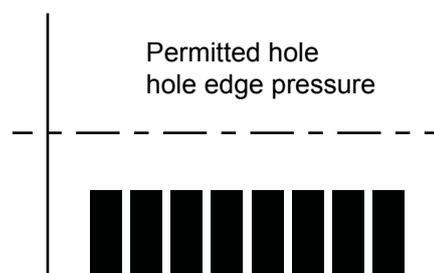
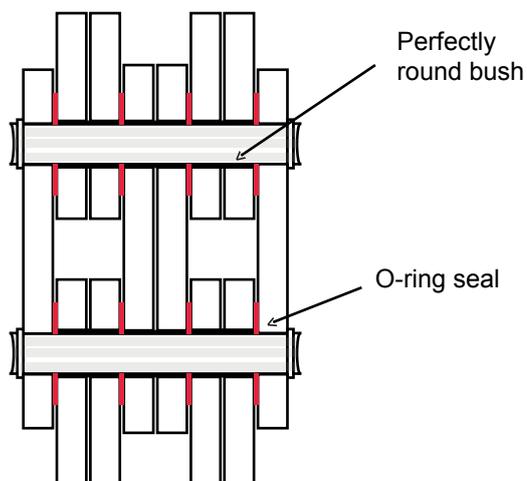


Figure 2. Internal bearing pressure for SEB manufactured leaf chain

The solid seamless bushes pressed into two inner links are made to be as perfectly round as possible to increase and optimize the internal bearing area of the chain and distribute the load evenly across the pin - increasing wear resistance. The addition of O-ring seals helps to keep the grease locked inside the bush also reducing chain wear and extending chain service life.