



Frost Inc.

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The Evolution of Chain



 **Frost Inc.**

*Supplying Innovative Solutions
Through Advanced Technologies*

*“Innovation distinguishes between a
leader and a follower”—Steve Jobs*



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Frost is the only manufacturer who continually improves the performance and design of rivetless X-Type Chain. If you are using anybody other than Frost as your X-type chain manufacturer—you are using technology that is more than 80 years old.



1915—Frost is founded as C.L. Frost & Son.

1915



1913

1913—Henry Ford introduces the chain and trolley conveyor and revolutionizes the way automobiles are manufactured.

1919

1919—Overhead chain conveyor systems become the standard for automobile manufacturers.

No Major Innovations except from Frost.

Webb introduces new metal alloys.

1950s



1960s

Frost enters the chain making field.

Frost bolted style chain introduced.

1970s



1980s

Frost chains become the standard specification for multiple industries.

1997—Frost supplying our first Smooth-Link chains in the industry through OEMs and distributors.

1997



1998

1998—Competition causes Frost to supply all users.

2001—Frost supplying our Smooth-Link chains directly to the end users.

2001



2002

2002—Frost Smooth-Link chains begin to be specified at GM, Ford, Nissan, PSA Group, VW Group, etc.

2004—Frost introduces stainless steel chain.

2004

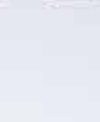


2009

2009—Frost introduces the chain wear monitor.

2013—Frost offers Dial-A-Bolt (Bolted Style) the technology that gives the user 3 wear surfaces extending the life of the chain by 3 times.

2013



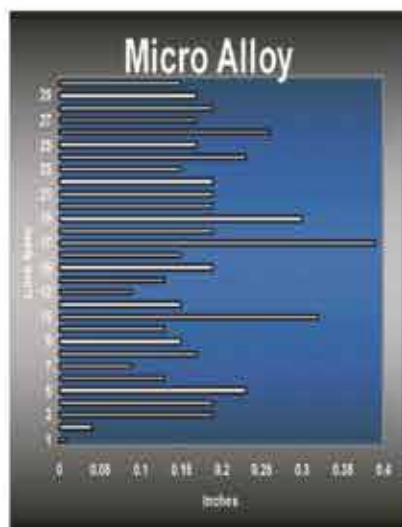
2017—Frost introduces the Wash Boss brushless chain wash and dryer cleaning system.

2017



2015

2015—Frost offers Dial-A-Bolt (i-Pin Style) the technology that gives the user 3 wear surfaces extending the life of the chain by 3 times.



Forged Pin Chain such as Micro Alloy:

After the same period of measurement, you can see how much variation and inconsistency there is with the forged pin chain such as Micro Alloy. The max allowable wear per link set is 0.4 inches which the forged pin chain such as Micro Alloy exceeds.



Smooth Link®:

After the same period of measurement, the Smooth Link® Chain shows that the wear per link set is 0.1 inches and it is consistent from pin to pin.

Proving That... All Smooth Link® pins wear at the same reduced rate.

The Smooth Link Difference

Frost provides a variety of finishes and also materials which accommodate every budget. No matter which chain you choose it is the patented Smooth Link technology that delivers:

- Longer life
- Lower Cost
- Retains Consistent Job Spacing on the Line (All chain pins wear at the same reduced wear rate)
- No Initial Maintenance Cost (Eliminates system break-in wear or stretch)
- Prevents Premature Chain Link Failure (Consistent in microstructure and hardness resulting from computer controlled heat treat)

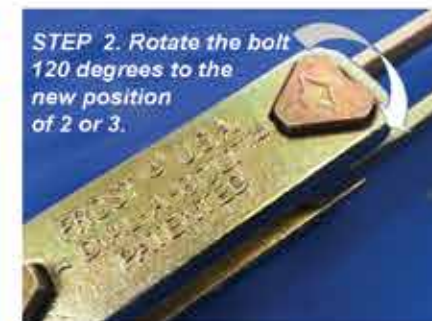
flash wears on the link leading to a shorter life



smooth, no flash leading to a longer life



STEP 1. Loosen or remove nuts as needed.



STEP 2. Rotate the bolt 120 degrees to the new position of 2 or 3.



STEP 3. Tighten or replace the nuts to the bolts.

Dial-A-Bolt

Dial-A-Bolt is the most advanced chain available. It is compatible with existing 3, 4, or 6 inch X-Type rivetless chain. The chain allows for 3 times the life of traditional X-Type rivetless chain.

