

## Adding value to your business

FB Leaf Chain gives you access to a range of products, packages and tools all designed and shipped in a way that helps increase the efficiency and profitability of your operations.



### Chain Wear Gauge

The patented FB Professional Chain Wear Gauge is the industry's most accurate and easy-to-use tool for measuring chain elongation due to wear.



### Leaf Chain Pins

For each size of leaf chain we hold a number of different chain anchor pin lengths in stock. Chain anchor pins should be selected to ensure the pin grips the leaf chain anchor (clevis) correctly not allowing excess lateral movement



### Plastic Attachments

Leaf chains designed to hold hydraulic hoses and reduce the type of mast cylinder damage that often results from 'metal on metal' friction - a common cause of truck downtime. FB Chain now has 20 different types of leaf chain with plastic guide on stock.



### Chain Anchor Bolts

We have a number of leaf chain anchor bolts (clevises) in stock. Made from high-tensile alloy steel, all FB chain anchor bolts are marked with a unique tracking number.



### Corrosion Resistant

This Chain has been specifically designed for forklifts and materials handling applications that are directly exposed to wet conditions and road salts. This chain helps to keep maintenance and replacement costs down.



### Connecting Links

For many types of leaf chain we hold a number of connecting links in stock. These are ideal when replacing OEM chain which is riveted to the chain anchor.



### Leaf Chain Cutting Tool

A very useful item when working on site, this tool enables technicians to make final adjustments to leaf chain length. Most suitable for 1/2 to 3/4 pitch leaf chains the cutting removes the pin without the need for grinding.



### Roller Chain

We supply the full range of BS and ANSI roller chains from stock in standard or cut lengths. We even supply 1/8" pitch chain, which is the world's smallest transmission chain.



Find out more by visiting  
[www.leafchain.com](http://www.leafchain.com)

## Solutions you can trust

FB developed their 'Professional Chain Wear Gauge' incorporating "V"-jaws for positive pin location, removing the necessity for estimating the position of the pin centre line. There is strong evidence that it is rarely possible to accurately find the centre line by other 'visual' methods. The FB chain gauge has a window giving a direct reading of chain wear, eliminating any need for calculation as well as removing confusion and possible error with an arithmetical calculation.

FB Chain and HSE were closely involved in the drafting of the BITA guidance note GN15 and FB, therefore, has no hesitation in recommending that "Competent Persons" should follow all the guidelines contained within it.



## How to use

### Close gauge to confirm calibration

Check the calibration by closing the slide fully and reading from the 'Percentage Wear' window. If the arrow moves into the ± zones, the gauge will not give an accurate measurement and should not be used. Similarly if the 'V' jaws are damaged the instrument may also not perform accurately.



### Identify the pitch

Align the red arrows within the centre of the pins on ONE of the OUTER link plates. Depending on ease of access, one pair of arrows will be more suitable than the others. The nominal pitch will appear in the 'Pitch' window. The number of pins (n) that the chain is to be measured over will appear in the 'Measure over pins' window.



### Select the correct side of the gauge

Select the correct scale according to pitch sizes.

#### SCALE A SCALE B

3/8"	1 3/4"
1/2"	2"
5/8"	
3/4"	
1"	
1 1/4"	
1 1/2"	
2 1/2"	
3"	



### Measure the chain

Chains should be cleaned and measured in situ while placed under approx. 1% of the minimum breaking load. If a set of check weights is not available, it is sufficient for chains to be tensioned by the weight of the carriage and forks. Identify the section of the chain that regularly runs over the pulley as this part of the chain is most susceptible to wear. Measurements must then be made in at least 3 separate locations on this section.

Place one 'V' jaw of the instrument over the first pin of the selected sections and then extend the slide until the other 'V' jaw reaches the nth (as previously determined).

### Read off percentage

Check the 'Percentage Wear' windows. A percentage will appear in 0.25% (1/4%) increments.

If the chain has elongated by 2% or more, the warning window will be filled red and necessary action must be taken.

