

How to properly secure a Leaf Chain Anchor (LCA)

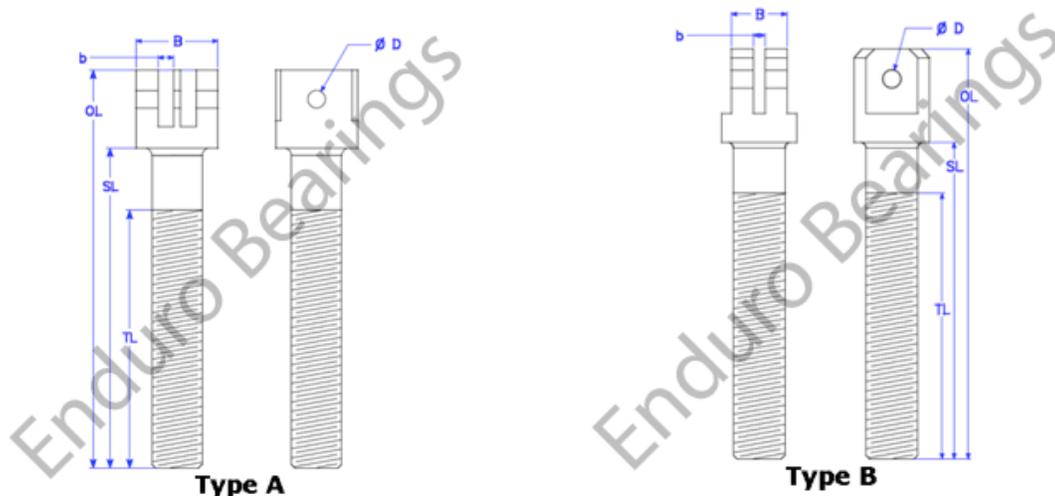
To start, there are 2 types of chain ends, Male and Female



Depending on which pin is removed to separate the chain, the resulting end will be either Male or Female.

To change between the 2 types; another pin can be removed.
With the appropriate hardware the Male chain end can be attached to either
Type A or Type B LCA.

The Female chain end can only be attached to a Type B LCA.

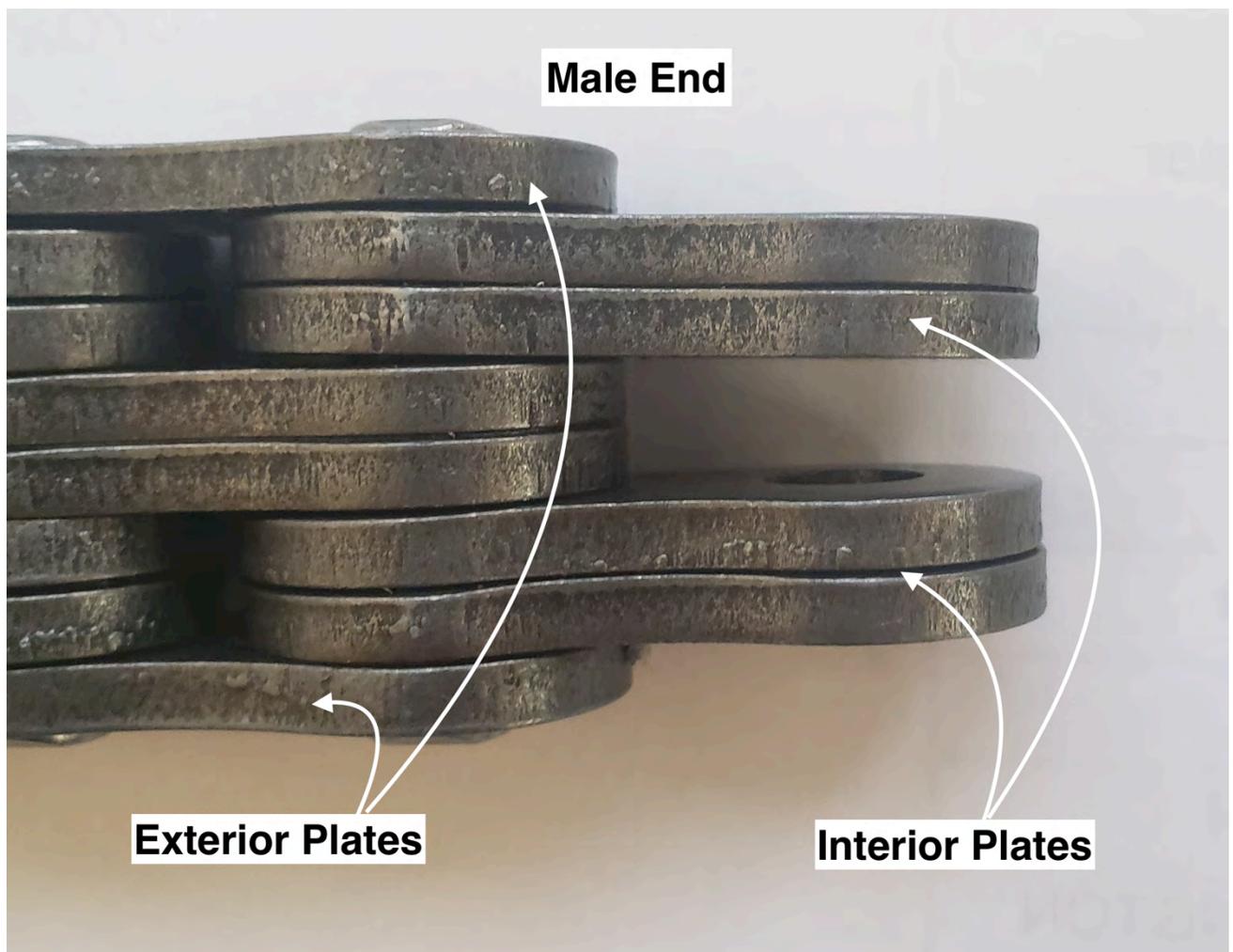


Identifying which end is which

In the example pictures a BL844 chain is shown, however the following principles can be used to identify whether the end is considered a Female chain end or a Male chain end for any chain.

Identifying a Male chain end:

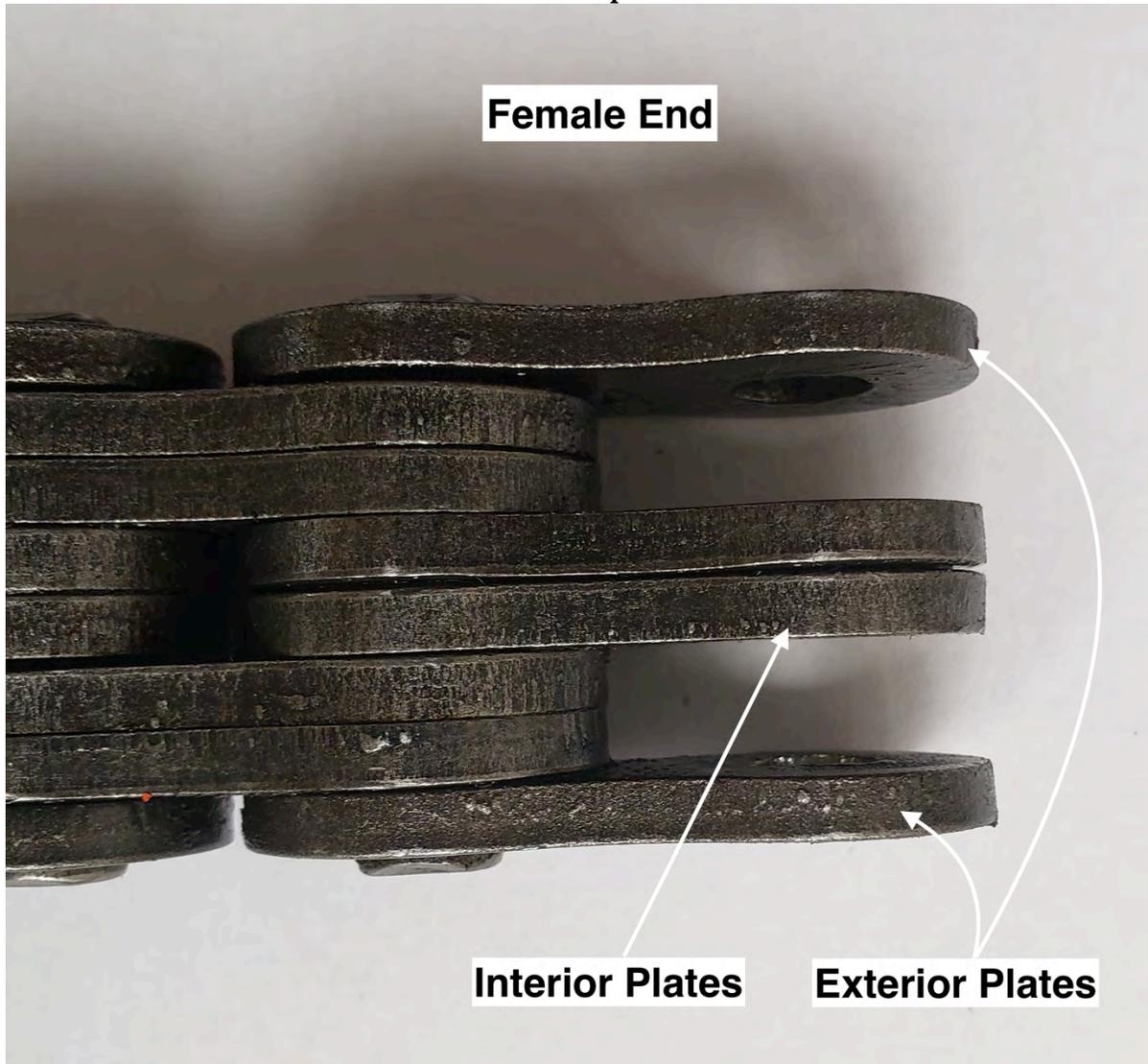
- The Male end will not include the exterior plates
- All Male end links are able to move independently from each other
- If both types of ends are available the Male end is able to be inserted into the female end, with all male end plates on the interior and Female plates on the exterior



A Type B LCA will mimic a Male chain end.

Identifying a Female chain end:

- The Female chain end will include exterior plates and often some interior plates
- The exterior plates can be identified because they are both on the outside of the chain and DO NOT move independently from each other, while the interior plates will move independent from each other and the exterior plates
- If both types of ends are available the Female end is able to have the male end inserted into it, with all male end plates on the interior and Female plates on the exterior



A Type A LCA will mimic a Female chain end.

Attaching a LCA to a Male chain end

Type B



Type A



Type B LCA:

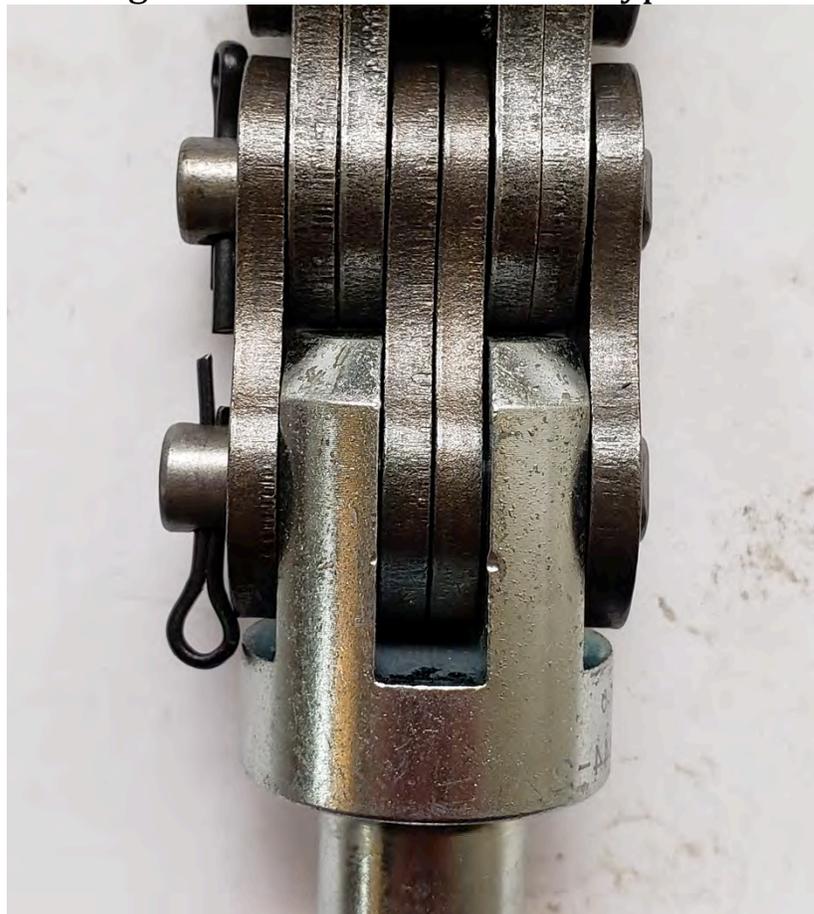
To attach a Type B LCA to a Male chain end a Connecting Link is needed. A connecting link consists of a single plate with fixed pins, multiple independent plates, and 2 split pins that hold everything together.



The independent plates need to be lined up in the same pattern as a Female chain end, in this case that means 1 plate on the outside, 2 plates on the inside and the plate with fixed pins on the far side.



Align the plates before assembling. Then insert the Connecting link through both the chain and the Type B LCA.



Type A LCA:

To connect a Type A LCA to a Male chain end, a Clevis Pin is needed. A Clevis Pin should include a single pin with either 2 holes (one on each side) or a hole on one side and a permanent head on the other side (similar to the head on a nail), and 1 or 2 split pins depending on the model of Clevis Pin.



Insert the Male end of the chain into the Type A LCA and slide the Clevis pin through the holes. Secure with a split pin on either side.



Attaching a LCA to a Female chain end

It is only recommended to attach a Female chain end to a Type B LCA via a Clevis Pin. While this method is as secure as attaching to a Male chain end, it is considerably harder to get the Clevis Pin through the exterior plates because the holes in the exterior plates are marginally smaller diameter in order to hold the chain pin in place.



Align the Female chain end with the Type B LCA and insert the Clevis Pin through the holes in both the Female chain end and the Type B LCA (A hammer or reamer are often required to get the pin through the exterior plates). Secure the Clevis Pin with split pins on either side.



The final step in securing either the Connecting Link or Clevis Pin is to bend the split pin. The split pin does not take direct load and only needs to be bent enough to prevent it from falling out of the holes in the Connecting Link or Clevis Pin.



It should be noted that the Leaf Chain, Leaf Chain Anchors, Connecting Links, and Clevis Pins are all sold separately. The clevis pin required will need to have an Effective Length longer than the Leaf Chain and Leaf Chain Anchor when assembled.

If additional instruction is needed, please feel free to contact us by calling

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