

Safety Notice

Working on heavy equipment is dangerous. Please ensure you have considered your workplace safe work procedures and the following key points before commencing any assembly or installation procedures

- Wear correct PPE including:



Full length clothing and work gloves



Safety glasses



Safety work boots



Hearing protection

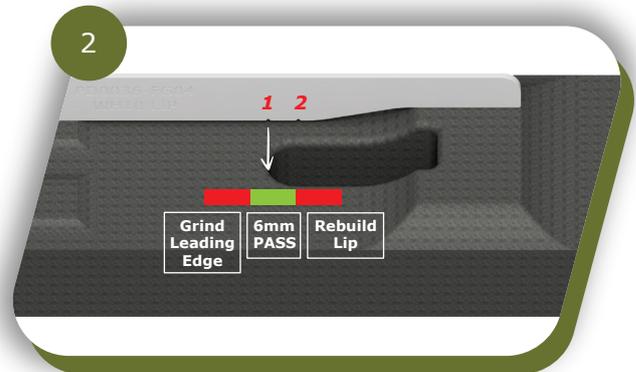
- Good general housekeeping to ensure the work area is safe and free of clutter
- Use appropriate lifting apparatus to lift heavy items. Please refer to your work place procedures. Lifting points are provided and weights specified on all parts
- Ensure appropriate tags for your work place and work environment are used

Prior to commencing any installation, please ensure that the Fitment and Locking Areas are in good condition and free of any fines or debris that could prevent sound fitment

The Talon KLAW Locking System has been designed to fit on both the P&H Whisler Lips and the ESCO Whisler Plus Lips without engaging the ESCO stabilizers. Please note: All gauges need to be replaced once wear starts to occur on the gauge to ensure accurate measurements



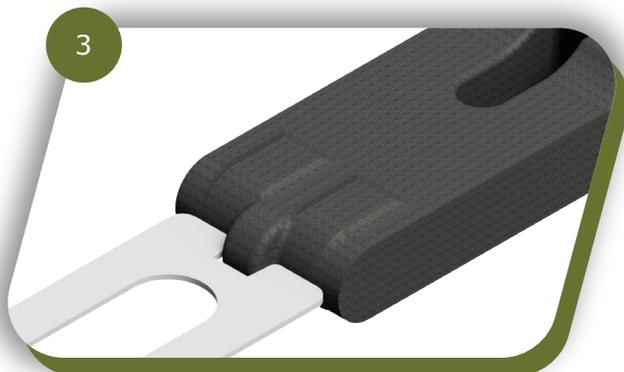
Fit the gauge over the fit pad on the lip, ensuring that the gauge is push tightly against the leading edge of the lip. Make sure that the gauge can slide along the fit pads



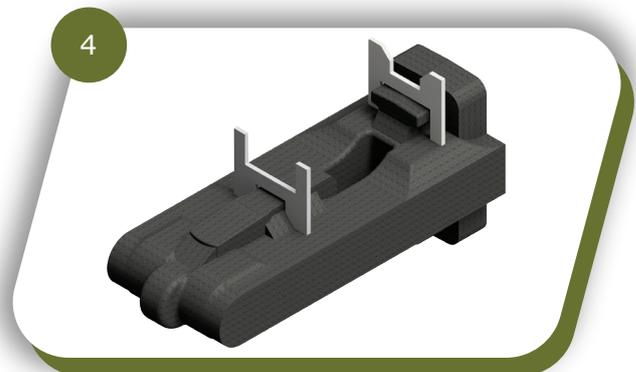
Ensure that the edge of the lip cavity is in-line with the Green Zone of the gauge marker demonstrated in the diagram above. **The tolerance on either side of the marker is 6mm (1/4 inch).** If the marker on the gauge is in the Left Red Zone, it indicates that some material on the leading edge is impeding the Adaptor gauge from sliding on far enough. This will require some grinding down of material on the leading edge of the lip until the marker is inside the Green Zone. *(This is to ensure that when the adaptor is fitted, it is able to slide onto the lip far enough so that the lever arm is able to fit in the cavity and engage the bottom of the lip correctly.)* If the marker on the gauge is in the Right Red Zone, it indicates that the lip has worn away too much and would require further analysis of lip condition before continuing install. Lip most likely would require a rebuild or repair.

Marker 1: P&H Style Whisler Lip

Marker 2: ESCO Style Whisler Plus Lip



Fit the gauge to the lip leading edge inspecting the lip nose size and gaps. Ensure that the gauge is fitting over the nose and engaging the leading edge of the lip



The Talon KLAW Adaptor should not interfere with any additions (such as stabilizers) around the centre and rear of the lip. The gauge must be touching the surface of the lip and have the ability to slide back and forth over the top of any additions on the lip

Note: Grind off any materials if interfere with the gauge

KLAW Adaptor Installation

1

Slide the KLAW Adaptor onto the lip of the bucket. Ensure that the Adaptor is making contact with the leading edge of the lip.



2

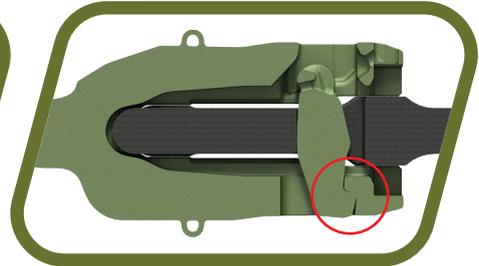
Once the Adaptor has been positioned correctly, insert the Lever Arm into the lock cavity



3

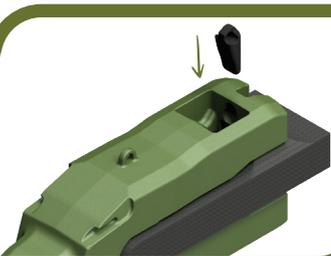
Ensure that the Lever Arm is dropping all the way into the lock cavity and that its engaging the bottom leg of the Adaptor.

Please Note: If the Lever Arm is not dropping in far enough to engage the bottom leg of the Adaptor, it is most likely due to the Adaptor not engaging the lip correctly. Ensure that the Adaptor is making contact with the leading edge of the lip. If issues persist, remove the Adaptor and remeasure the lip with the gauge to ensure that no lip modifications are required



4

Insert the Rubber Wedge into the void between the Lever Arm and Lip. The flat face of the Rubber Wedge should be facing towards the inside of the bucket against the lip



5

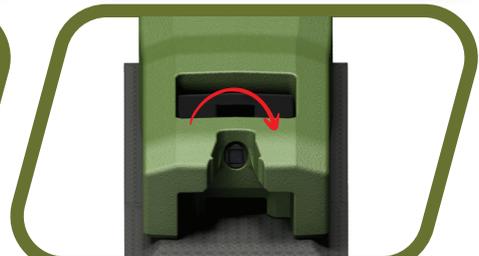
Insert the KLAW Expansion Lock Assembly into the top of remaining cavity.

Please Note: If the Lock is slightly not fitting into the cavity, ensure that the thread on the Lock is completely tightened. Minimal force is okay in assisting the Lock into place. If the Lock is still unable to slot into position this is likely due to a gauging error and will require the installation to refer back to gauging on page 1



6

Using a $\frac{3}{4}$ inch torque wrench or high torque battery/pneumatic impact driver, tighten the Lock in a clockwise direction. The minimum required force is 600 ft.lb (820 Nm)



KLAW Adaptor Removal

1

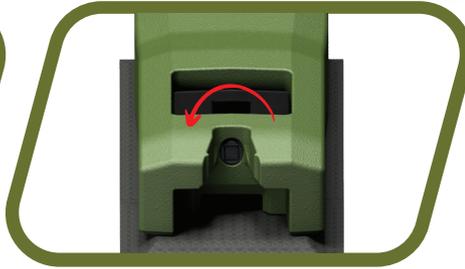
Remove fines from the top of the Expansion Lock Assembly

2

Using a $\frac{3}{4}$ inch torque wrench or high torque battery/pneumatic impact driver, rotate the Lock in anti-clockwise direction to release the KLAW Adaptor off the lip

3

Place a pry bar into the top of the Expansion Lock and leverage the Lock out of the cavity. Ensure that the Lock was completely loosened with torque wrench or high torque battery/pneumatic impact driver if issues persist with removing the Lock.



4

Remove the Rubber Wedge from the cavity between the Lever Arm and the lip.

Please note: The Rubber Wedge has a loop on the top that can be hooked onto with either a small pry bar or screw driver to assist with the removal if necessary

5

Using a crane, hook into the hole in the top of the Lever Arm and lift it out of the lock cavity.

Please note: You may be required to use a pry bar to leverage the Lever Arm back and forth to unhook it from the bottom leg of the Adaptor

6

Using a crane and a strap, attach to the Adaptor and pull it off the lip



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4

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