## Bias Plough

## You need following tools for installation:

- Cutting torch(Possibly if not available on the site)
- Boilermaker square.
- Boilermaker chalk.
- Hydraulic punch or magnetic drill.
- Tape measure.
- $2 \times 19 \mathrm{~mm}$ ring flat.
- $2 \times 17 \mathrm{~mm}$ ring flat
- $1 \times$ ratchet spanner
- $1 \times 19 \mathrm{~mm}$ socket
- $1 \times 17 \mathrm{~mm}$ socket


## PLEASE ENSURE THAT YOU ARE WEARING THE NECESSARY PPE BEFORE ATTEMPTING INSTALLATION

STEP 1: Often termed as pulley protection plough. Normally installed as protection for the tail pulley, may also be used as protection for the take up pulley or wherever required.
Identify a suitable placement for the plough. The belt must be flat therefore supported by flat return rollers. The plough should not be placed on top of the rollers and should be at least 300 mm from the rollers. This will ensure that the wear rate is even. The plough should be positioned to present a 35 to 40 degree angle to the belt.

STEP 2: Once the suitable position is chosen, place the Bias Plough onto the belt. Ensure that it does not interfere with other components on the belt. Place the arms onto the structure and mark the holes needed for the clamp to secure the plough. It may be necessary to step the plough in order to have a positive contact to the belt. A number of brackets are available to simplify the process.


STEP 3: Drill or punch the holes as required. Secure the selected bracket to the structure


## INSTALLATION PROCEDURE

STEP 4: Fasten the half clamp to the bracket and then attach the plough.


STEP 5: Ensure that all the bolts and nuts on the entire plough are fastened.


STEP 6: If possible run belt and test the effectiveness of the plough. Make adjustments as required.


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