

## Installation Instructions: K-Safeguard Diagonal/Reversing Plough Belt Cleaner

Risk Hazard Assessments must be top priority. The supply of suitable power, plant air and water must be available at the point of installation.

1. Ensure all personnel have current site specific and generic inductions and confined space training if required.
2. Ensure all personnel are qualified and competent.
3. Job Card Instruction, JSA (Job Safety Analysis) and Work Start Checklist to be issued and understood by Service Technician/s.
4. Ensure all electrical equipment being used such as drills and grinders etc, are tagged with the current electrical tag.
5. Identify the conveyor and its associated equipment.
6. Isolate, lock and danger tag the conveyor at the Main Positive Isolator.
7. Loosely assemble the **K-Safeguard Diagonal/Reversing Plough Belt Cleaner** by connecting the mounting brackets to the threaded rod of the Plough Belt Cleaner body.
8. Take the Plough Belt Cleaner to the conveyor and locate it on the top of the return strand of the conveyor belt in the position required and in consideration of the belt travel. Where the conveyor operates in two directions, the Plough

Belt Cleaner should be angled to suit the primary direction of return belt travel.

9. Adjust the nuts of the support brackets so that the brackets sit on the stringers of the conveyor and enable the Plough Belt Cleaner body to be lifted from the belt surface.
10. Angle the body of the Plough Belt Cleaner so that it is at approximately 45° to the centre line of the conveyor.
11. Scribe the bolt down points on the stringers at the mounting brackets and drill through using a clearance drill to provide holes to suit the bolts.
12. Bolt the Plough Belt Cleaner into position and perform a final adjustment to the Plough height providing minimal or no clearance between the plough blades and the belt cover.
13. Secure all fasteners.
14. Remove personnel danger tags. Unlock main positive isolator and close. Start belt on Test or Manual Control. Check correct operation of the Plough Belt Cleaner and carry out final adjustments to tension systems.
15. Remove all tools and equipment. Dispose of all scrap and rubbish accumulated.
16. Return Conveyor to service.

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### K-Safeguard Diagonal/Reversing Plough Belt Cleaner Servicing

This section reviews the important points in servicing the Diagonal/Reversing Plough Belt Cleaners. The following points should be considered when preparing Job Safety and Work Instruction sheets. Under no circumstances should a physical inspection of any belt Plough Belt Cleaner be undertaken with the conveyor in operation.

1. Ensure all personnel have current site specific and generic inductions and confined space training if required.
2. Ensure all personnel are qualified and competent.
3. Job Card Instruction, JSA (Job Safety Analysis) and Work Start Checklist to be issued and understood by Service Technician/s.
4. Ensure all electrical equipment being used such as drills and grinders etc, are tagged with the current electrical tag.
5. Identify the conveyor and its associated equipment.
6. Isolate, lock and danger tag the conveyor at the Main Positive Isolator.
7. Remove the Plough Belt Cleaner from the conveyor and assess for Service Work.

- > Check Plough blades for wear.
- > Check Plough main body for wear.
- > Check Plough support threaded rods for corrosion and ensure correct operation of the adjusting nuts.
- 8. Replace all worn and/or damaged components.
- 9. Reinstall the Plough Belt Cleaner onto the conveyor.
- 10. Adjust the adjusting nuts so that minimal or no clearance exists between the belt and the Plough blades.
- 11. Tighten the clamp bolts, lock nuts and check all other securing fasteners.
- 12. Remove personnel danger tags. Unlock main positive isolator and close. Start belt on Test or Manual Control. Check correct operation of the Plow.
- 13. Remove all tools and equipment. Dispose of all scrap and rubbish accumulated.
- 14. Return Conveyor to service.

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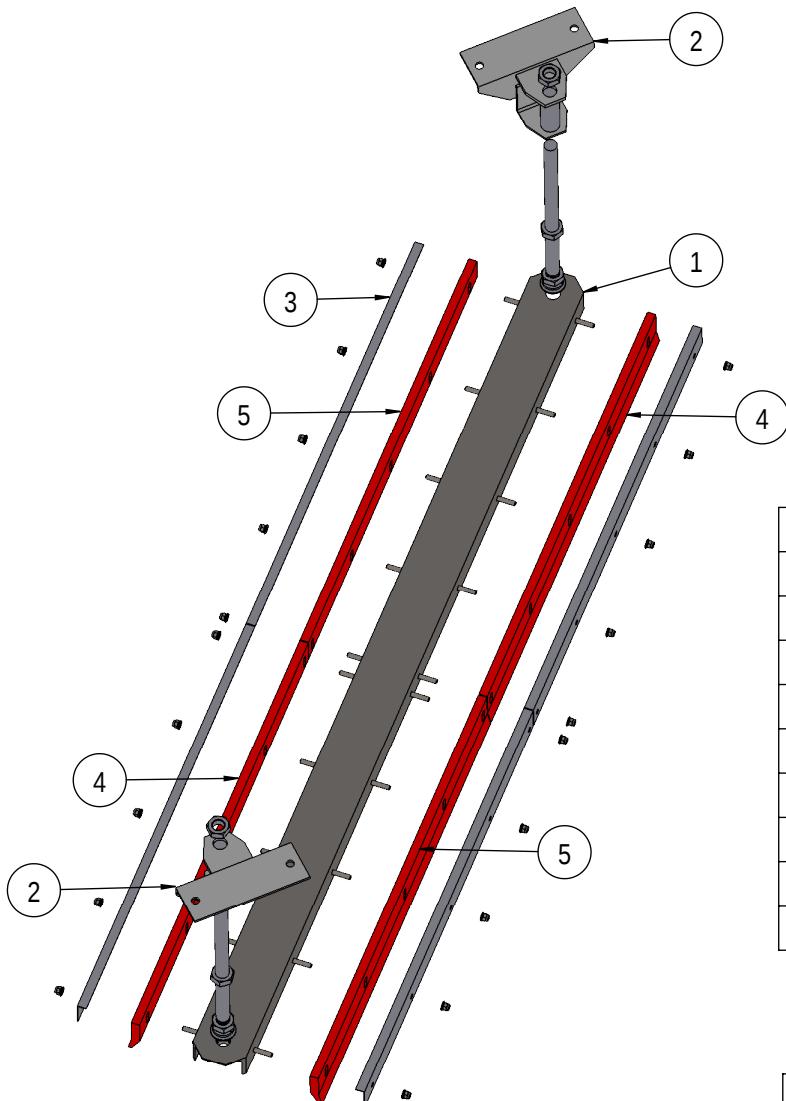


TABLE 'A' - BLADE SELECTION

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I Í È{	ÓÓŠØSXÚÈÈÍ ÈÈÙ	I
I ÈÈ{	ÓÓŠØSXÚÈÈ ÈÈÙ	I
J ÈÈ{	ÓÓŠØSXÚÈÈJÈÈÙ	I
F ÈÈ{	ÓÓŠØSXÚÈÈFÈÈÙ	I
F ÈÈ{	ÓÓŠØSXÚÈÈFÈÈÙ	I
F GEEÓY	ÓÓŠØSXÚÈÈFÈÈÙ	I

PARTS LIST

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