

Bosworth

a member of the **Hudaco** group



CONVEYOR SCRAPER & SPILLAGE CONTROL

GUIDELINE BROCHURE

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PRIMARY SCRAPER

The object of this scraper is to remove most of the residue material on the belt at the discharge points. This primary scraper works on the front of the head pulley, and has a quick release blade for low maintenance and reduces downtime. The poly composite blade is used safely on mechanical joints on the conveyor belt. With the design of the blade the wear angle always maintains a sharp cutting edge. Various hardness of the blade is available on request.

The adjusting mechanism is concealed to protect it against robust environment in which it works. The advantage of this type of adjustment is that the tension of the blade against the belt can now be measured using a torque wrench.

The side pedestal brackets locking mechanism makes for easy removal from the conveyor belt in case of breakdown and pulley maintenance.



SECONDARY SCRAPER

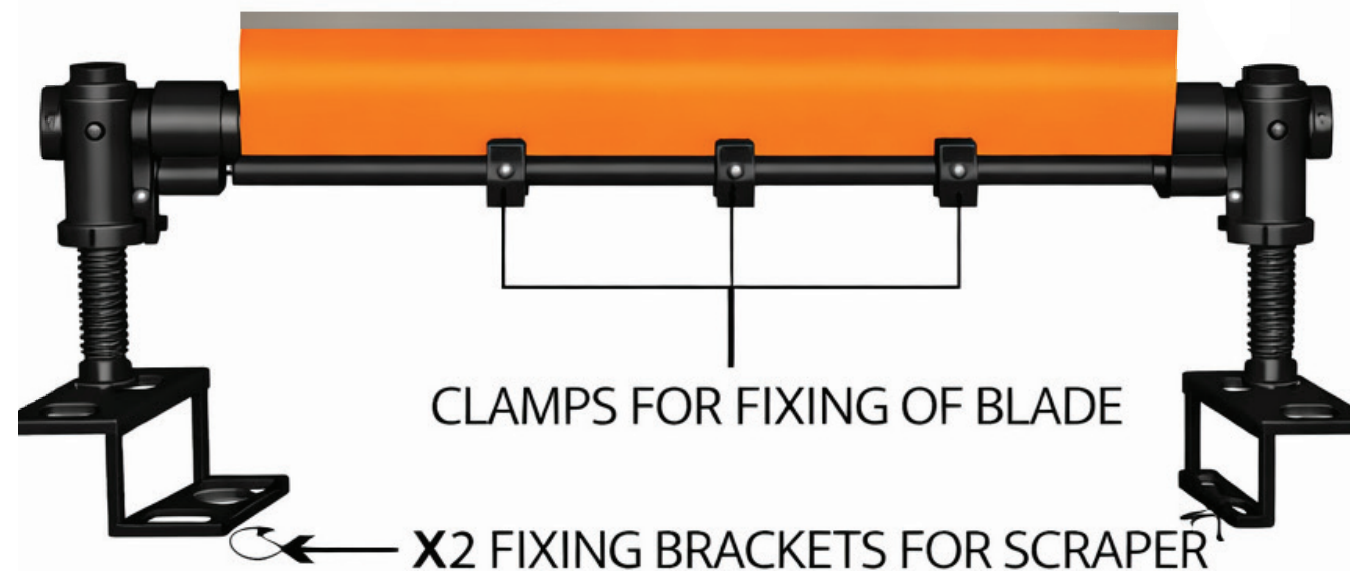
The position of this scraper can be fitted from the head pulley to the back of the chute. When installed the blades should have a positive rake and travel against the belt, thus allowing clip joints or any other adjustment on the belt to deflect the scraper away from the belt, making it impossible for the scraper blade to do any damage. The secondary scraper is manufactured with a choice of blade types, namely High Carbon Steel, Poly Steel or Tungsten Blades.

These blades are fitted onto a cassette which clips onto the frame, thus making the removal a quick release type action. The adjusting mechanism is concealed to protect against the robust environment in which it works. The advantage of this type of adjustment is that the tension of the blade against the belt can now be measured using a torque wrench.

The side pedestal brackets has a locking mechanism that makes for easy removal from the conveyor belt in case of breakdowns and pulley maintenance.

FITTING GUIDE FOR BF SECONDARY SCRAPER

DO NOT OVER TENSION



V-PLOUGH SCRAPER

The V-Plough scraper is fitted on the return belt near the tail end and pulley, to clear material that could fall from the top belt, thus preventing damage to both the belt and the tail pulley. The shape ploughs the material off either side of the belt, and the swivel action of the fixing brackets and arms allows the scraper to **SELF ADJUST** its self.

A safety roller is built in to the scraper to prevent the point of the scraper from digging into the conveyor belt. Installation of this scraper is very simple, in that no bolt holes are required.



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FITTING GUIDE FOR ONE WAY SCRAPER

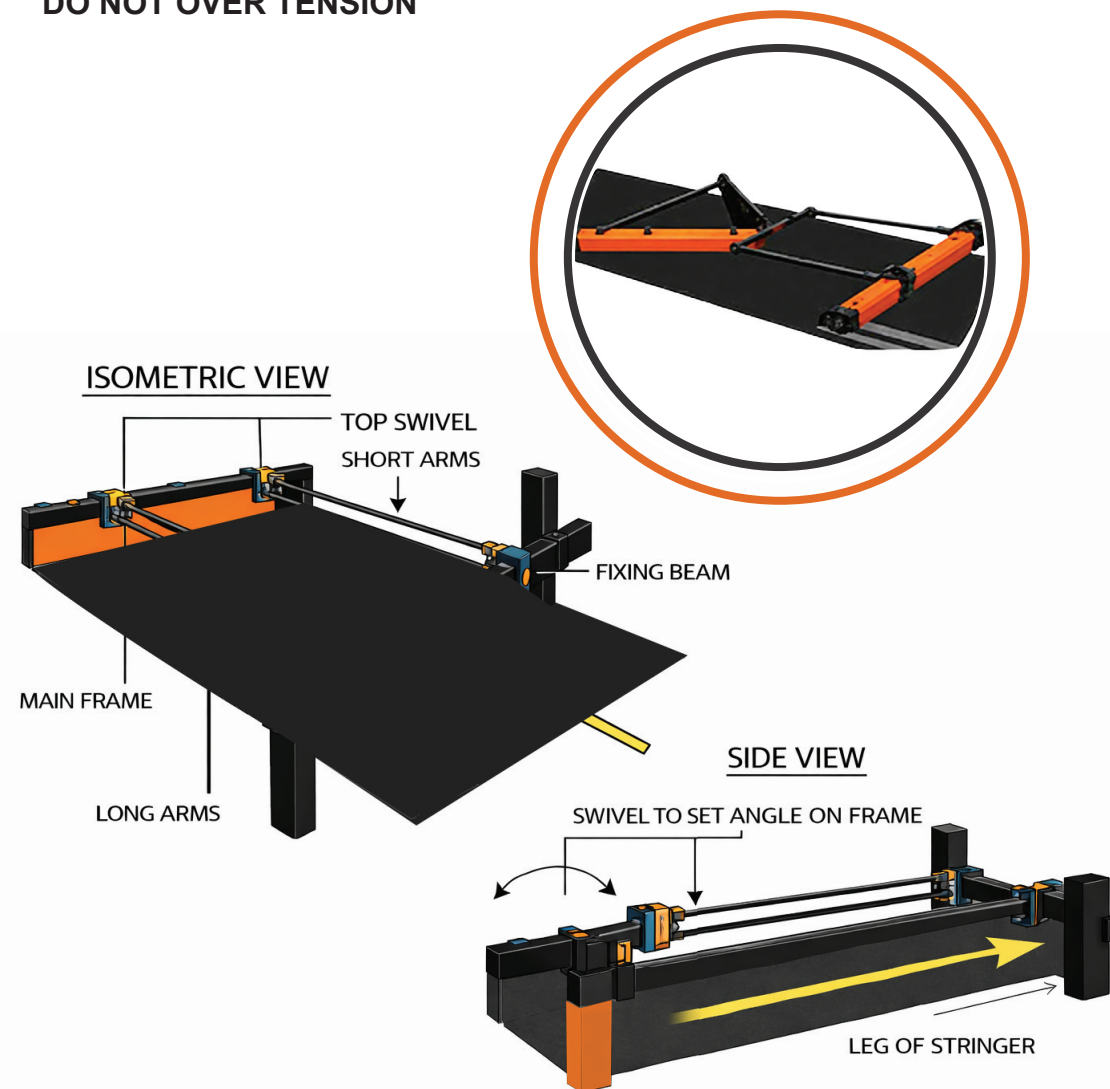
DO NOT OVER TENSION

The V-Plough scraper is fitted on the return belt near tail end and pulley, to clear material that could fall from the top belt, thus preventing damage to both the belt and the tail pulley.

The “V” shape ploughs the material off either side of the belt, and the swivel action of the fixing brackets and arms allows the scraper to SELF-ADJUST itself. A safety roller is built into the scraper to prevent the point of the scraper from digging into the conveyor belt. Installation of this scraper is very simple, in that no bolt holes are required.

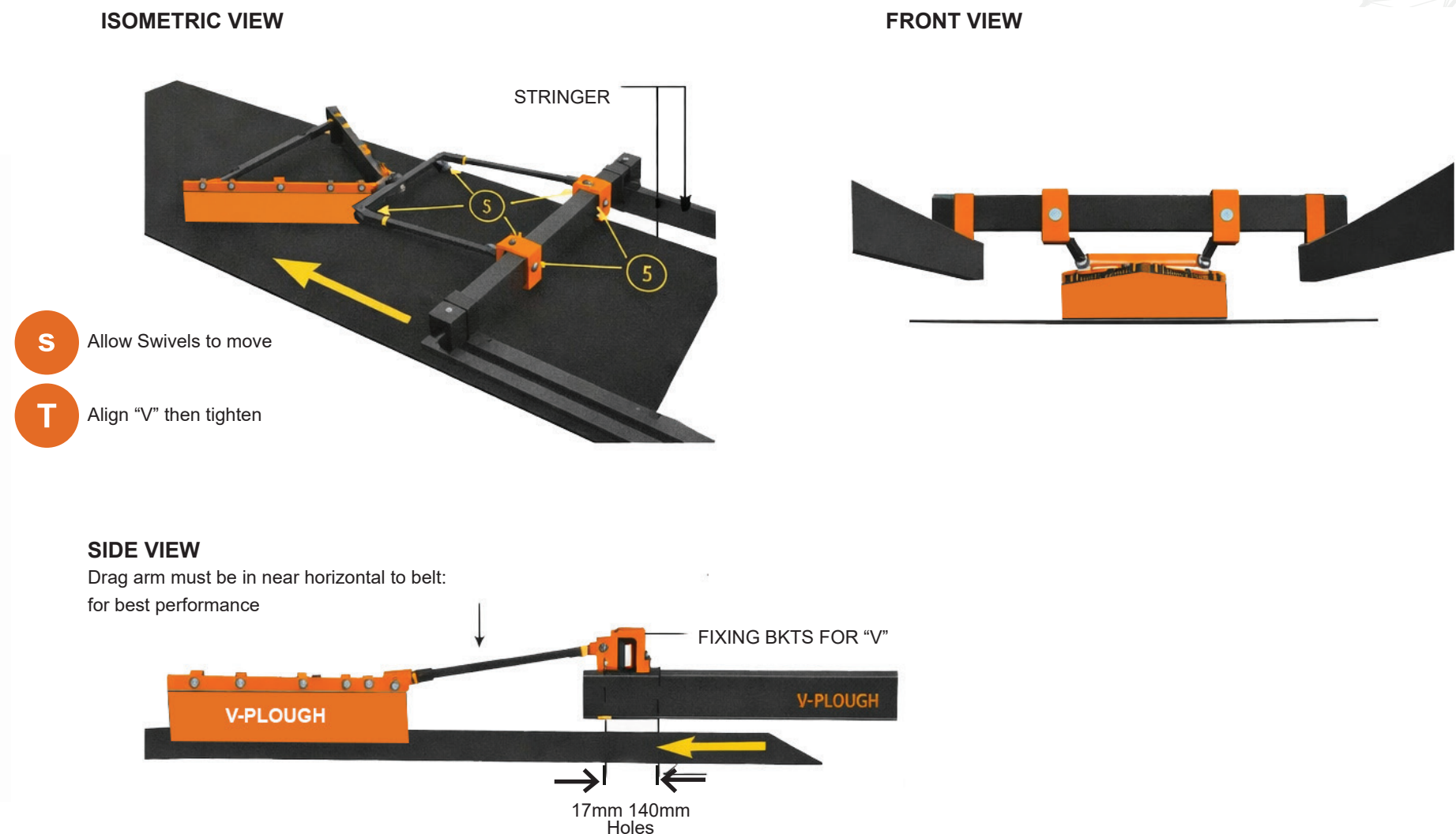
FITTING GUIDE FOR ONE WAY SCRAPER

DO NOT OVER TENSION



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DO NOT OVER TENSION



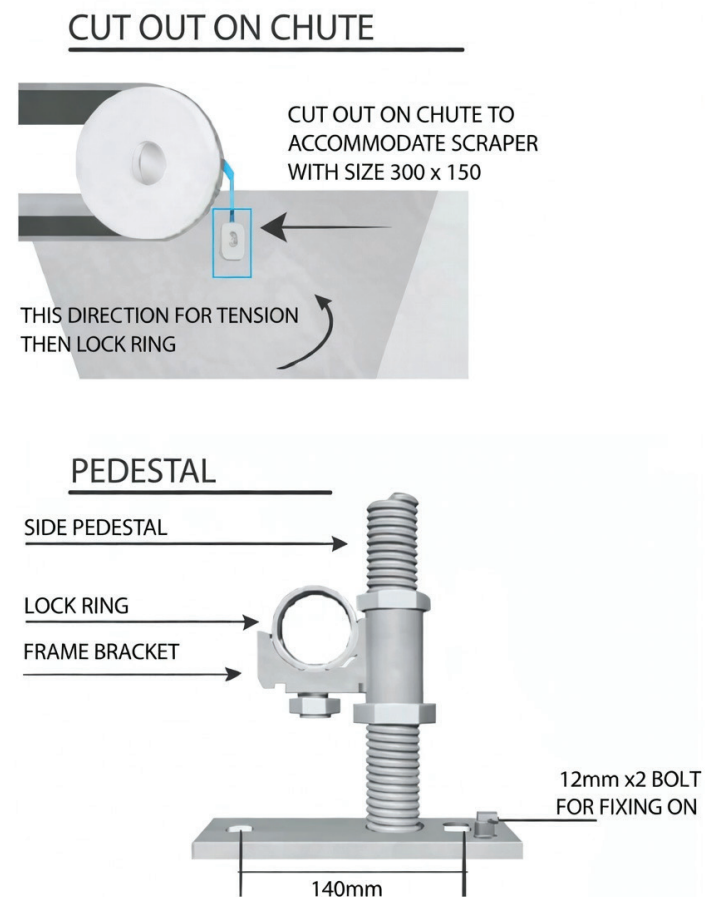
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FITTING GUIDE FOR BF PRIMARY SCRAPER

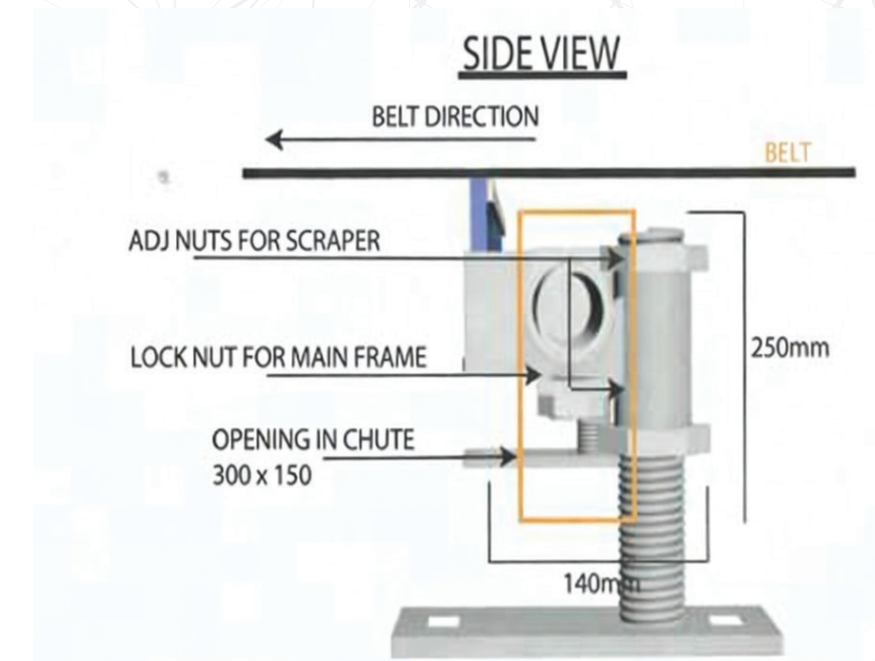


DO NOT OVER TENSION



FITTING GUIDE FOR BF SECONDARY SCRAPER

DO NOT OVER TENSION



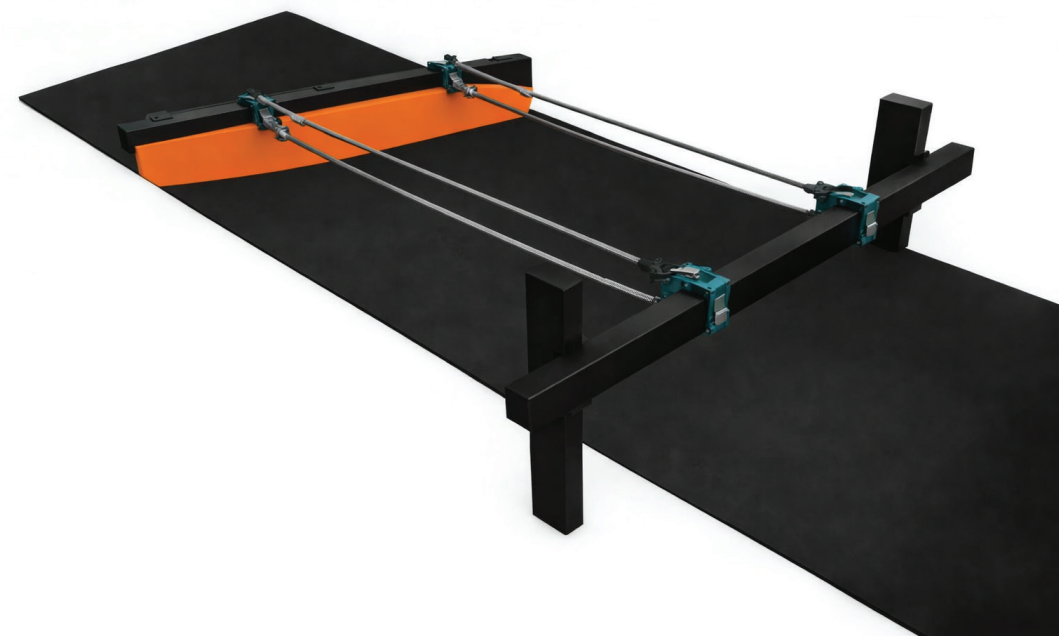
- Available with Tungstenblade or Polyurethane
- Blade is of quick configuration for ease of maintenance
- Scraper needs to be adjusted once and then only after blade replacement
- Quick release on side pedestals allows for easy fitting and blade change
- No belt damage can occur, because of solid blade (not segments)
- Blade angle to belt stays constant, 90

DIAGONAL PLOUGH SCRAPER

This one-way return tail end scraper that can plough material off on either side left or right. A stabilizer bracket is added onto the unit for stability.

The blade moves up and down in vertical plane, making contact with belt at a fixed angle. To change the angle of the blade, the arms are positioned on opposite sides. To install the unit no special tool's are required and quick fixing brackets are supplied.

Plough can be installed for left or right positions to suit application



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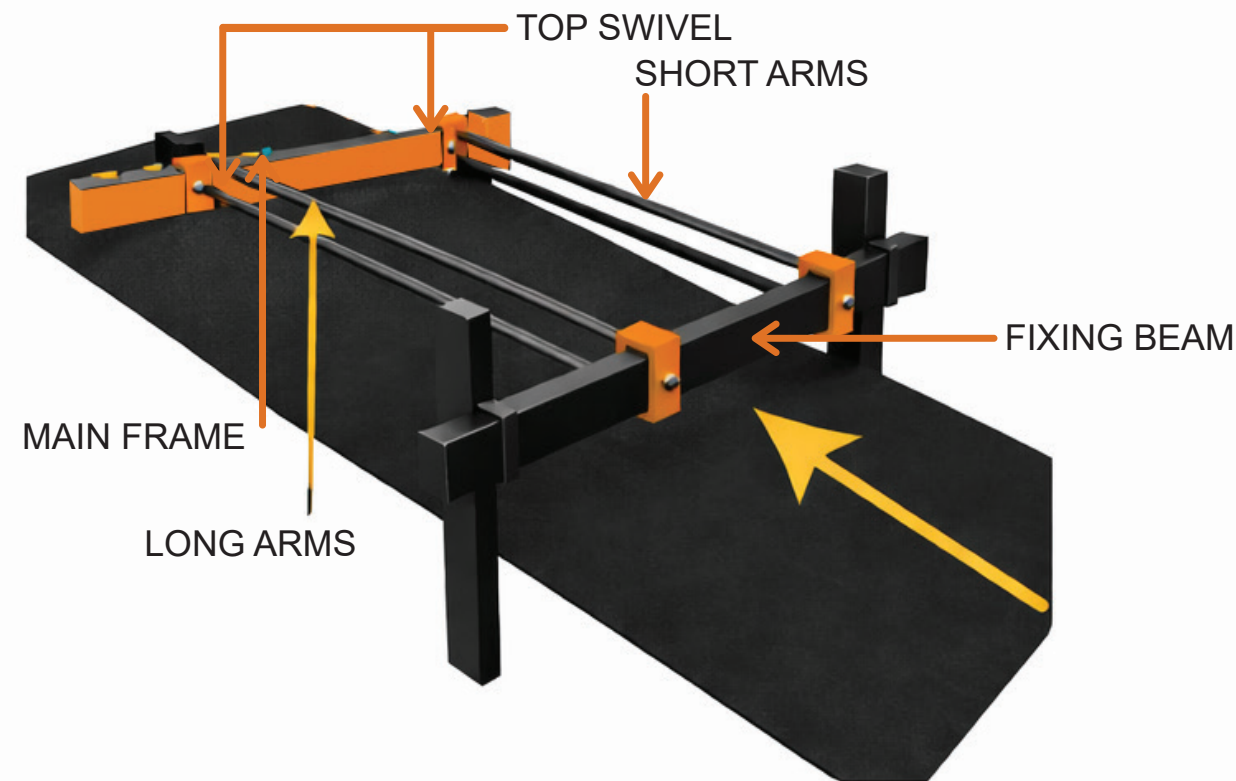
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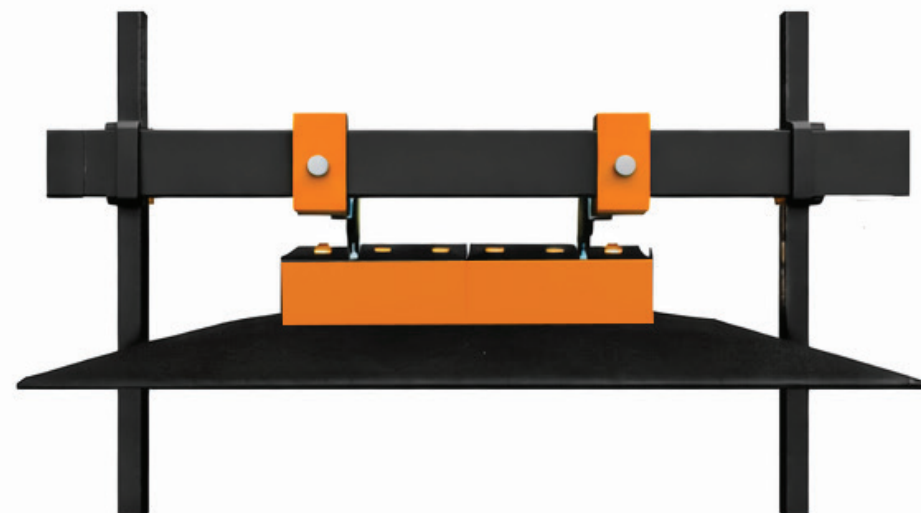


FITTING GUIDE FOR BF DIAGONAL PLOUGH SCRAPER
DO NOT OVER TENSION

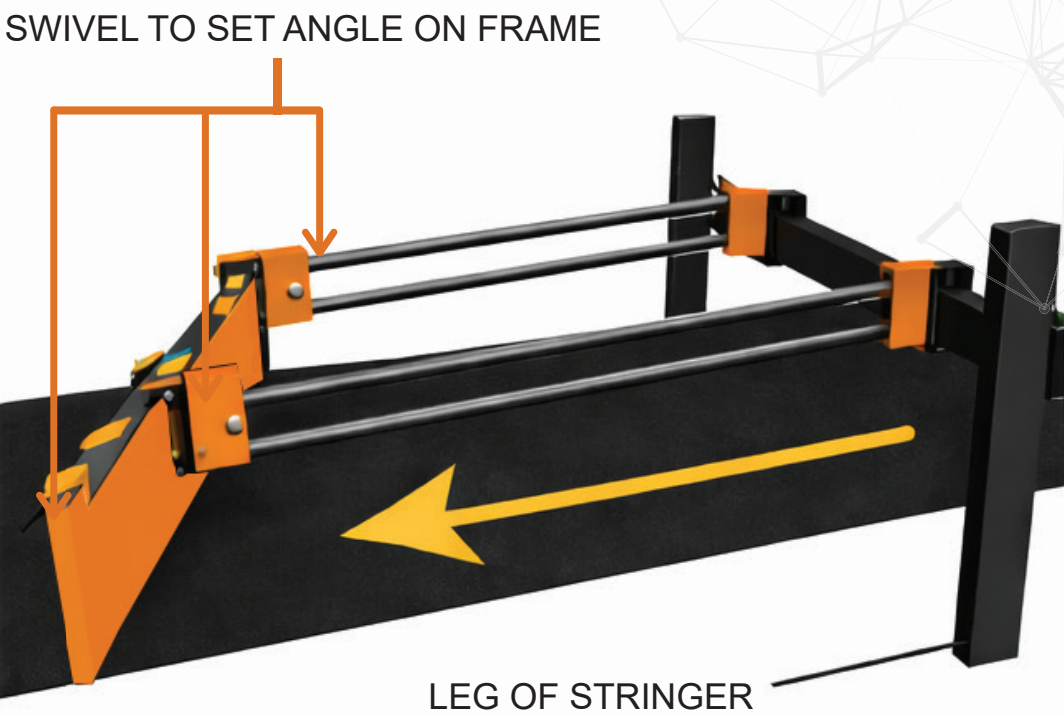
ISOMETRIC VIEW



FRONT VIEW



SIDE VIEW



Plough can be installed for left to right positions to suit application

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If it's not **ORANGE** it's not a Bosworth Quality Scraper



ABOUT BOSWORTH

At Bosworth we pride ourselves with a compact conveyor scraper that optimizes efficiency and extends blade life. Our blades on the primary and secondary scraper are designed to reduce the friction between the blade and conveyor belt. Our scrapers can be installed within 25 min which reduces production loss. Blade replacement is done in 10 min with only two bolts. Bosworth has an internal spring systems that is sealed off from water, dust and other elements.

With our dedicated maintenance and installation team we control spillage, thus you have less housekeeping and downtime. We have range of products to suite all your conveyor needs. We offer a turnkey maintenance contract on complete conveyor systems. Complete conveyor survey, fault finding and tracking advice.



WHERE ENGINEERING MEETS PRECISION

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