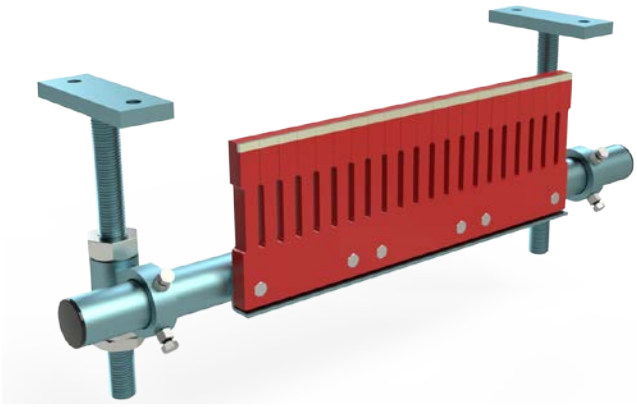
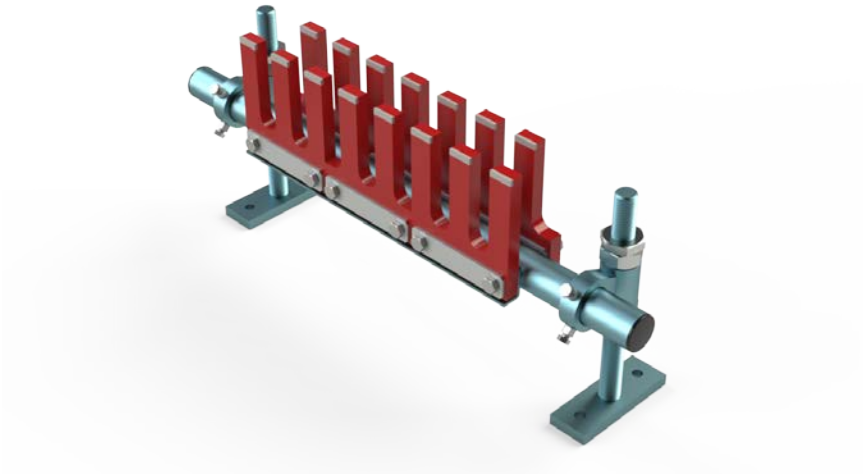
IOM – K-Cleatscrape Belt Cleaners

Kinder Australia product:	K-Cleatscrape Belt Cleaners – Chevron and Duplex
Product category:	Belt Cleaning System Products
Issue date:	24.03.22





⚠ WARNING ⚠

Always obey all applicable safety rules.
Be sure all power to the conveyor has been disconnected and controls are locked out.

Storage instructions:

Note: Product includes Polyurethane parts, these may be susceptible to ozone and water damage. Please ensure assembly is appropriately stored.

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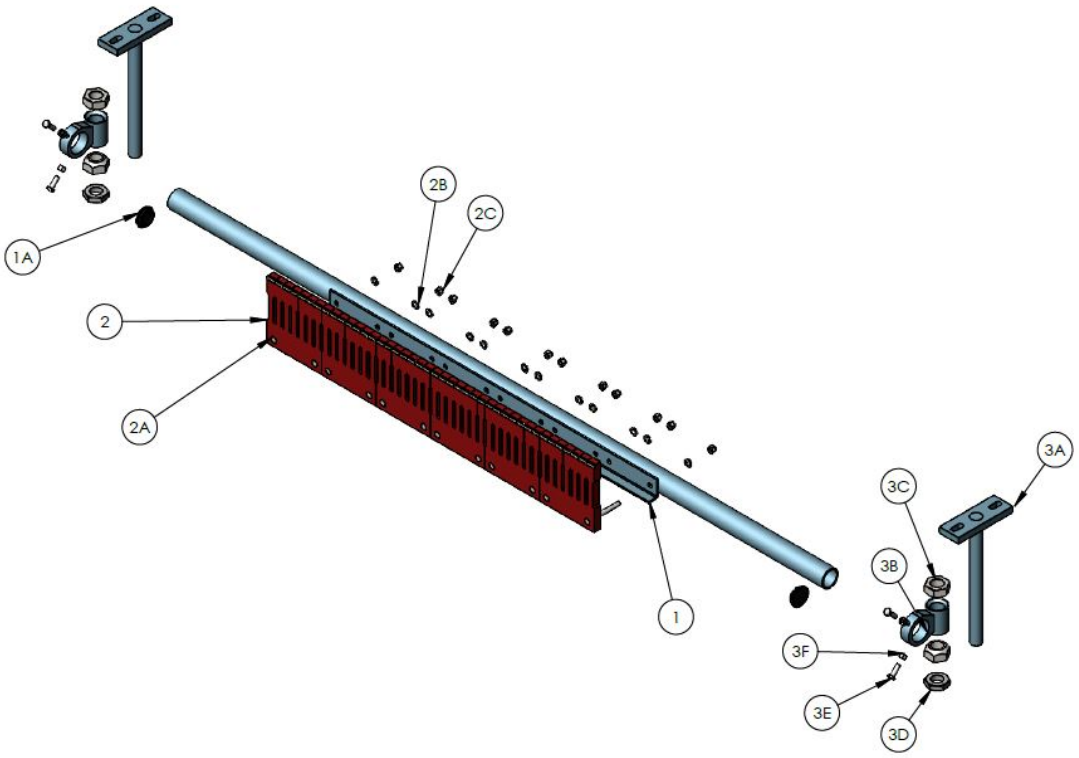
K-CLEATSCRAPE CHEVRON BELT CLEANER



Number	Part Number	Quantity	Description
1	K-CLE-CHEV-MF-"XXXX"-"XXXX"	1	Cleaner mainframe (XX Indicates BW)
1A	-	2	Pole End Caps
2	K-CLE CHEV-XXXX-LT-SS	Varies	Duplex cleaner blade Polyurethane with Stainless Steel Tip (Tungsten Tips available as an option)
2A	-	Varies	M16 x 90 Hex Bolt
2B	-	Varies	M16 Washer
2C	-	Varies	M16 NUT
3A	K-CLE-CHEV-ADJUSTER-BASE	2	K-Cleatscrape Take-up Adjuster base - Single
3B	K-CLE-CHEV-TUBE-HOLDER	2	K-Cleatscrape Take-up Tube holder - Single
3C	K-CLE-CHEV-TAPER-NUT	4	K-Cleatscrape Take-up Tapered Nut - Single
3D	K-CLE-CHEV-LOCK-NUT	2	K-Cleatscrape Take-up Lock Nut - Single
3E	FAS-M12x35 HEXHEAD	4	M12 x 35 Hex Head Bolt Zinc Plated Steel
3F	FAS-M12HEXNUT-Z	4	M12 Hex Nut Zinc Plated Steel

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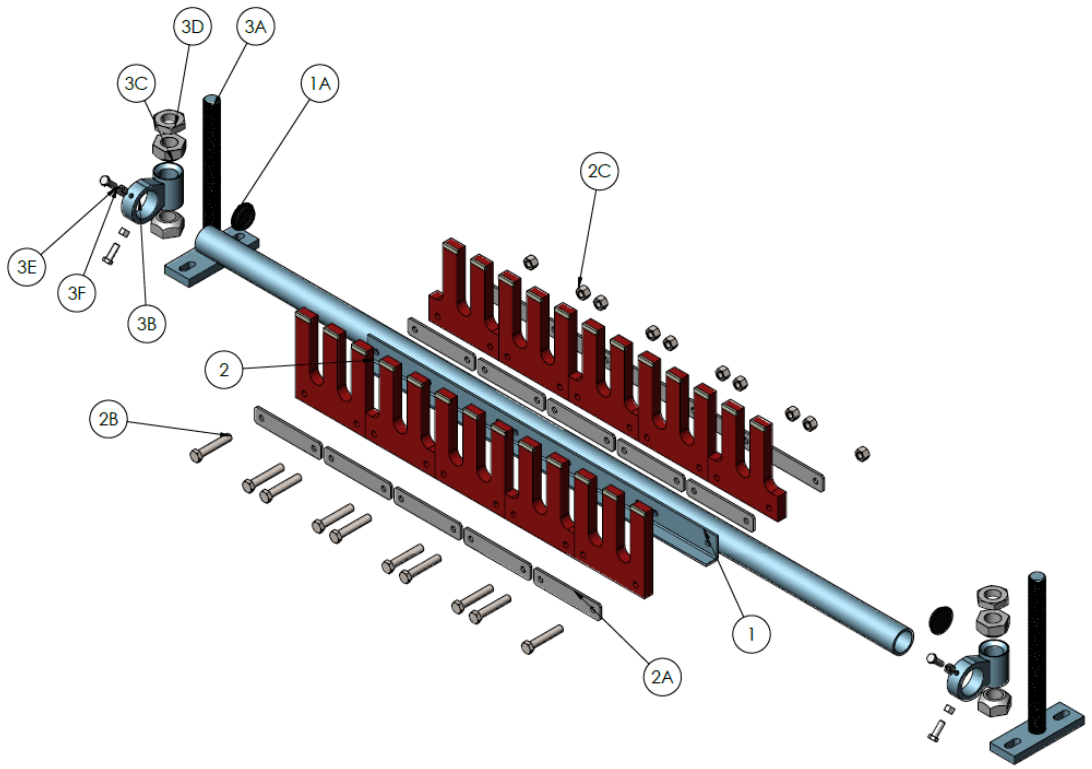
K-CLEATSCRAPE DUPLEX BELT CLEANER



Number	Part Number	Quantity	Description
1	K-CLE-CHEV-MF-"XXXX"	1	Cleaner mainframe (XX Indicates BW)
1A	-	2	Pole End Caps
2	K-CLE DPLX-XXXX-LT-SS	Varies	Duplex cleaner blade Polyurethane with Stainless Steel Tip (Tungsten Tips available as an option)
2A	Doubler Plate	Varies	Duplex Cleaner Blade Polyurethane
2B	-	Varies	M16 x 150 Hex Bolt
2C	-	Varies	M16 Nut
3A	K-CLE-CHEV-ADJUSTER-BASE	2	K-Cleatscrape Take-up Adjuster base - Single
3B	K-CLE-CHEV-TUBE-HOLDER	2	K-Cleatscrape Take-up Tube holder - Single
3C	K-CLE-CHEV-TAPER-NUT	4	K-Cleatscrape Take-up Tapered Nut - Single
3D	K-CLE-CHEV-LOCK-NUT	2	K-Cleatscrape Take-up Lock Nut - Single
3E	FAS-M12x35 HEXHEAD	4	M12 x 35 Hex Head Bolt Zinc Plated Steel
3F	FAS-M12HEXNUT-Z	4	M12 Hex Nut Zinc Plated Steel

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Blade Types and Recommended Cleat Height:

Colour	Relative Blade Stiffness/Polyurethane Hardness (Shore A)	Recommended Cleat/Chevron Height
Black	Low / 70	≤ 100mm
Red	Medium / 80	≤ 35mm
Green	High / 90	0mm (Suitable for flat belts only)

Type of Cleats supported:

K-Cleatscrape	Cleat Type
Chevron	Chevron Cleats
Duplex	Horizontal Cleats

Installation Tools Required

-Tape Measure
-Level
18/24mm socket
-18 Open Ended Spanner
-24mm Open Ended Spanner

NOTE: Can also be used with mechanical conveyor belt fasteners

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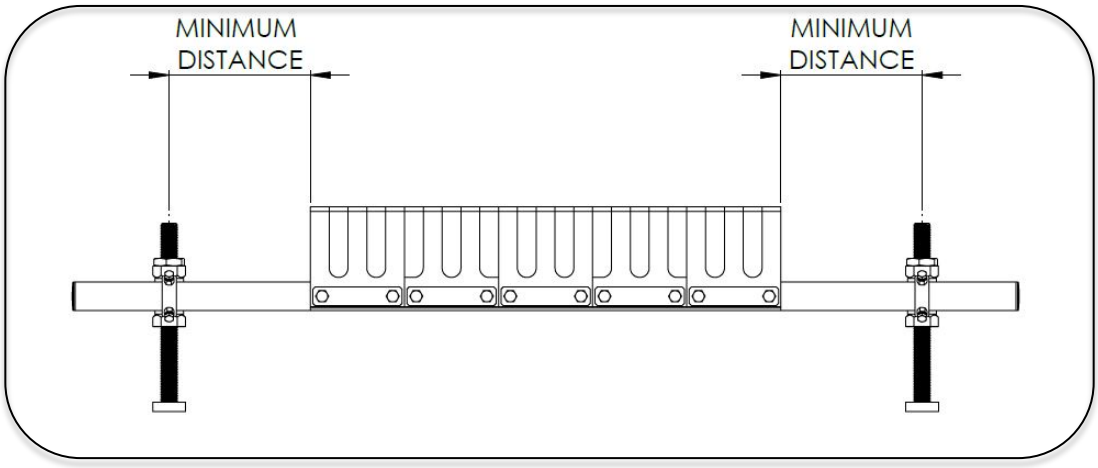
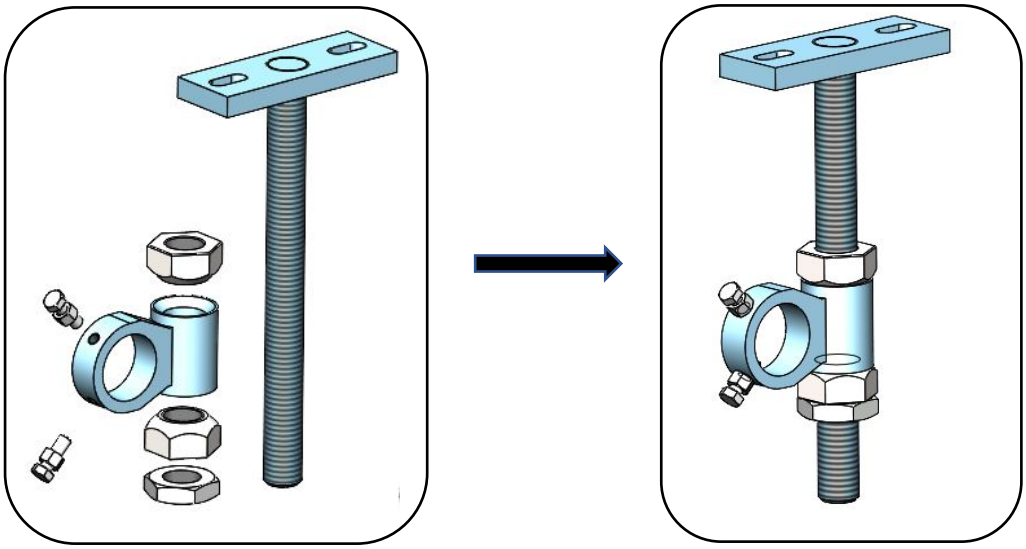
Installation Step 1: Layout

The minimum distance for both sides of the K-Cleatscrape must be 50mm between the centre of the take-up adjuster base and edge of the Polyurethane Blade.



Installation Step 2: Take-up Adjuster Base Assembly



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Assemble the take-up adjuster by following the below procedure:

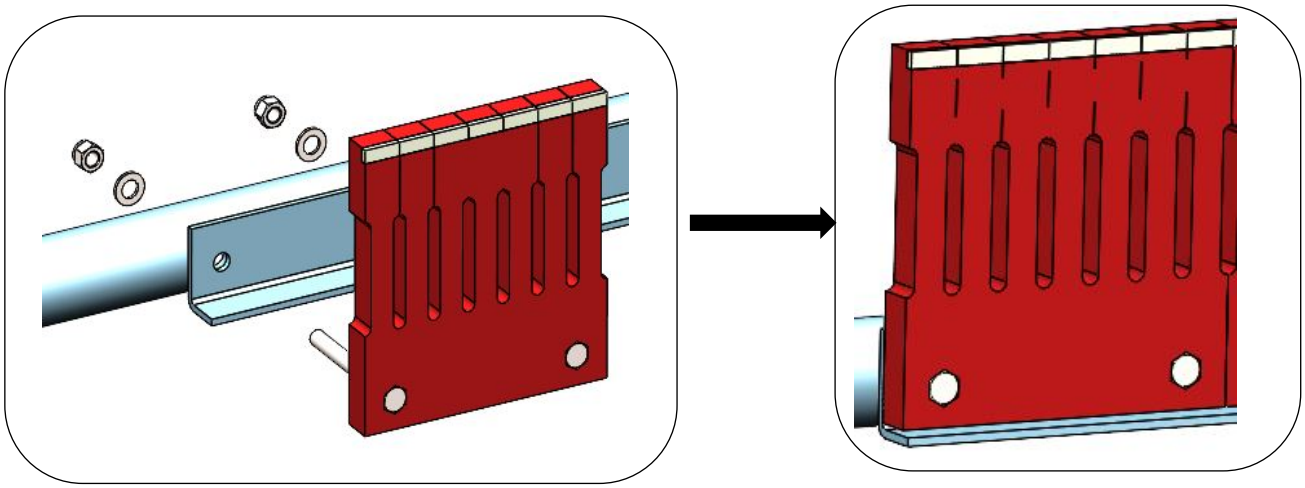
- Screw on the M39 Nut
- Place the tube holder through the threaded take-up and on top of the M39 Nut
- Screw on the 2nd M39 Nut with the taper facing the tube holder
- Screw on the M39 Locknut

IMPORTANT

- **The distance between the M39 Tapered Nut and Base of the adjuster must be equal on both take-ups to enable the blades to contact the belt evenly across the entire cleaning area.**

Installation Step 3A: K-Cleatscrape Chevron Belt Cleaner Assembly

Assemble the Polyurethane blades by following the below procedure:



- Align the M12 Bolts with the angle profile holes and insert.
- **NOTE: For K-Cleatscrape Chevron Belt Cleaners, the bolts are molded into the Polyurethane Blades.**

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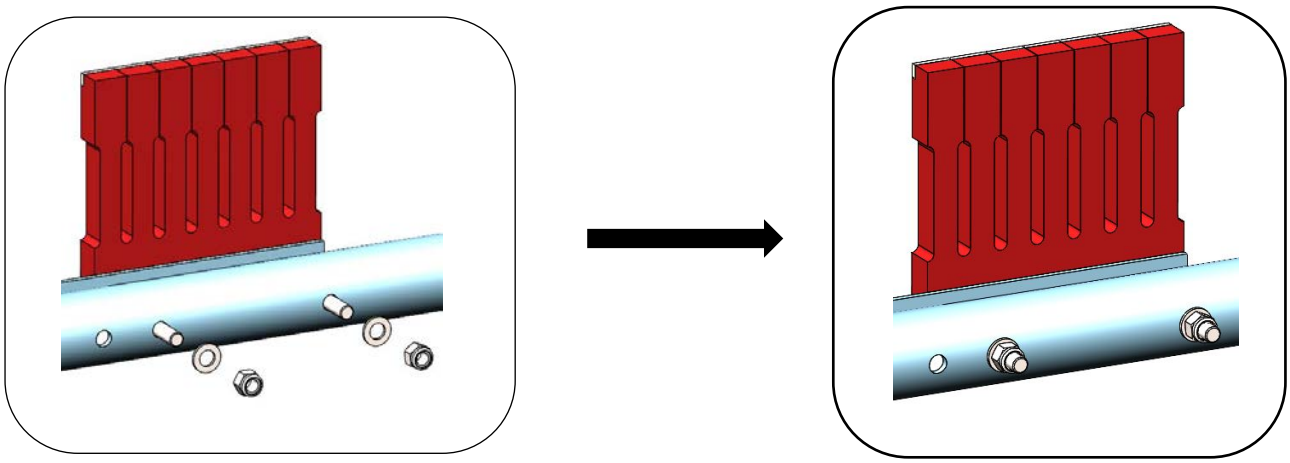
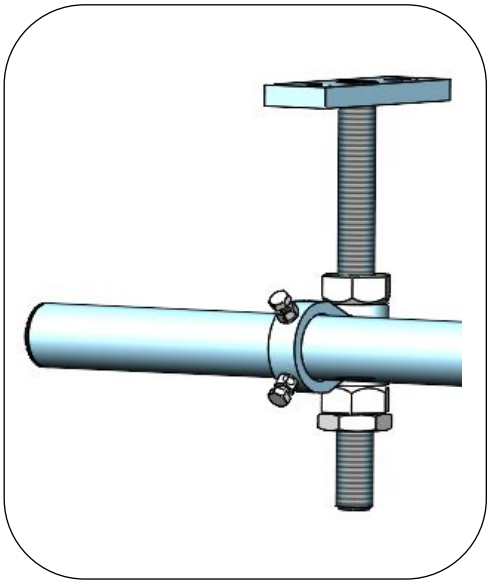


- Insert the M12 washers on to the bolts on the tube side
- Screw the M12 Nuts on the bolts and tighten against the washers.
- Follow the same procedure for the rest of the blades.
- **Follow Installation Step Four to install the take-up assemblies.**

Installation Step 4: Install take-up assemblies on main frame



- Slide the take-up assemblies on both ends of the tube.
- Tighten the bolts on the tube holder after measuring the required spacing between the take-ups.

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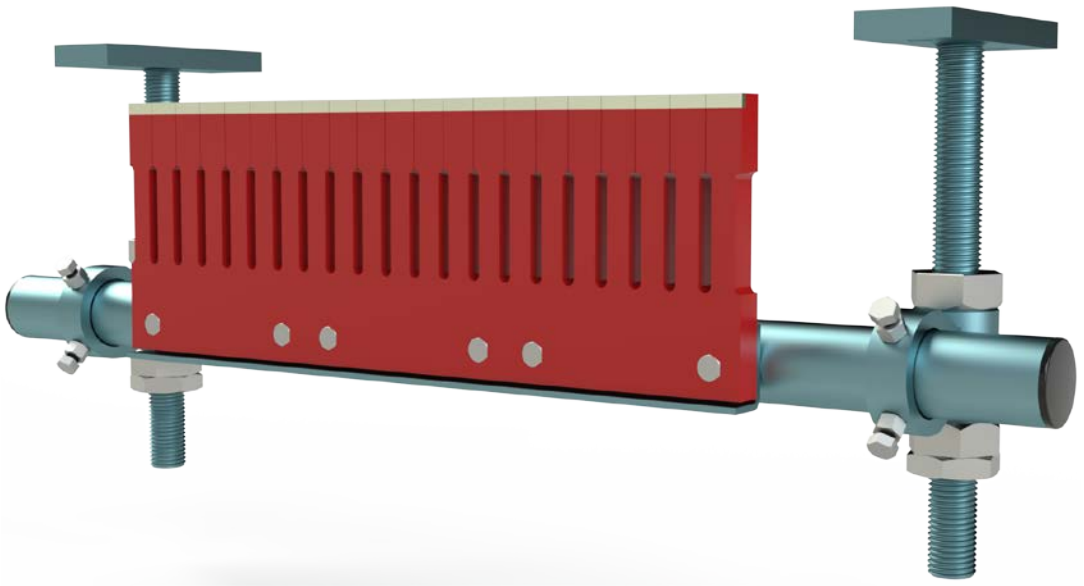
EXAMPLE OF COMPLETED K-CLEATSCRAPE CHEVRON BELT CLEANER



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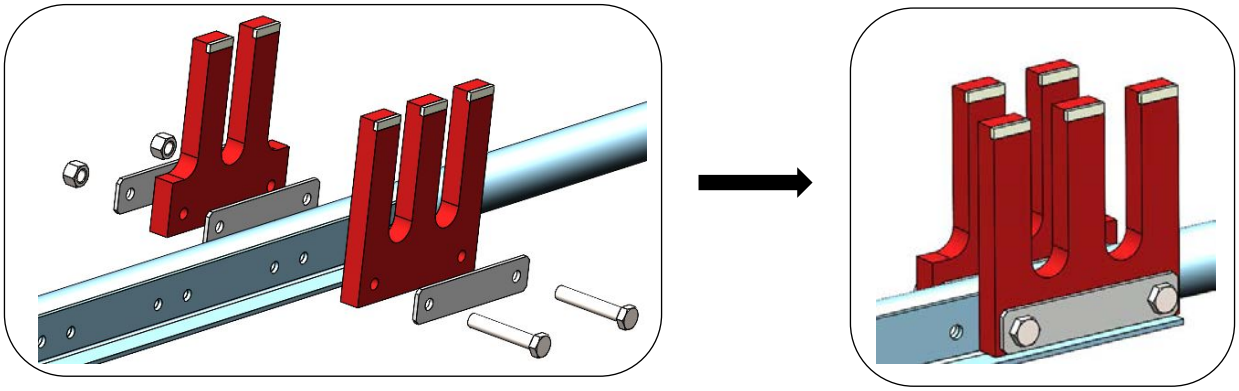
Installation Step 3B: K-Cleatscrape Duplex Polyurethane Blade Assembly

Assemble the Polyurethane blades by following the below procedure:

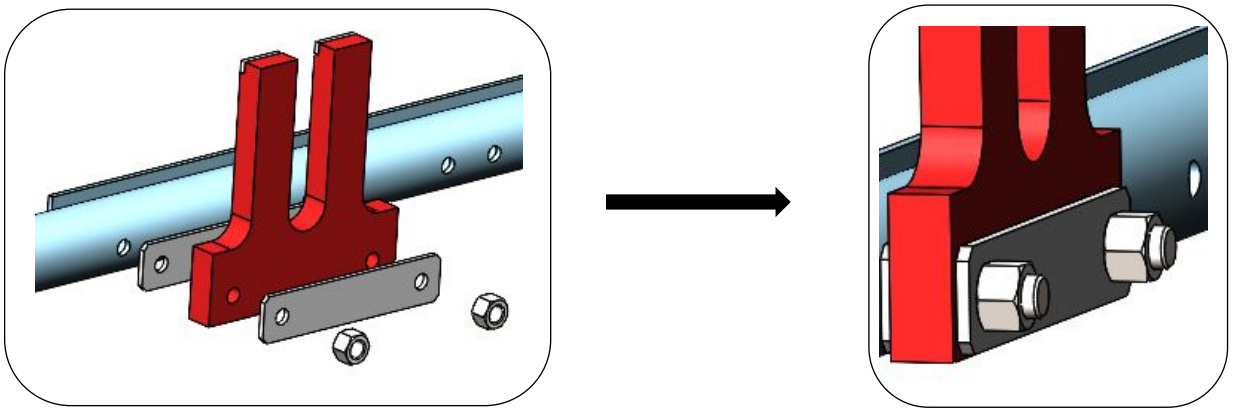
NOTE: 1 plate is used on the outside on the side with the angle profile and 2 plates on the other side as shown below.

ANGLE BRACKET SIDE



- Align Polyurethane blade holes with the angle profile holes with the plate on the outside.
- Insert the M12 Bolts through the holes

TUBE SIDE



- Insert the first plate on the inside followed by the Polyurethane blade and then 2nd plate on the outside.
- Screw the M12 Nuts on the bolts and tighten against the plate.
- Follow the same procedure for the rest of the blades.
- **Follow Installation Step Four to install the take-up assemblies.**

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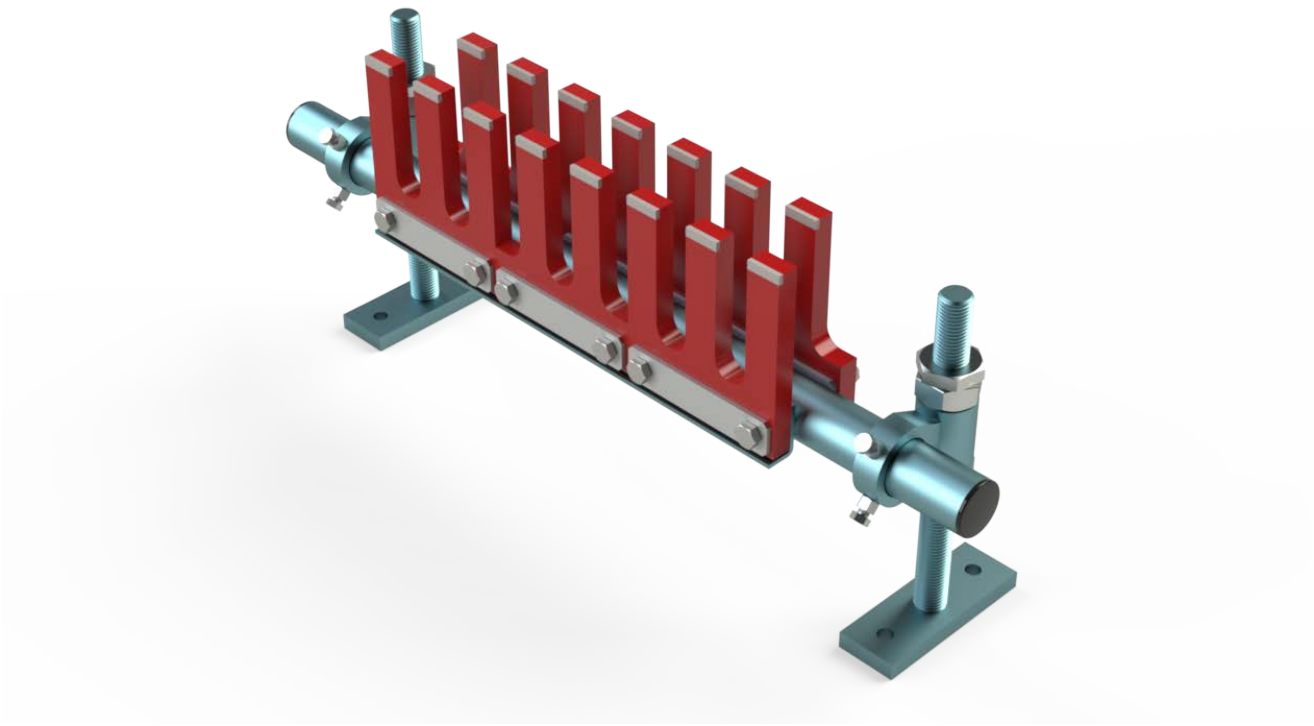
EXAMPLE OF COMPLETED K-CLEATSCRAPE DUPLEX BELT CLEANER



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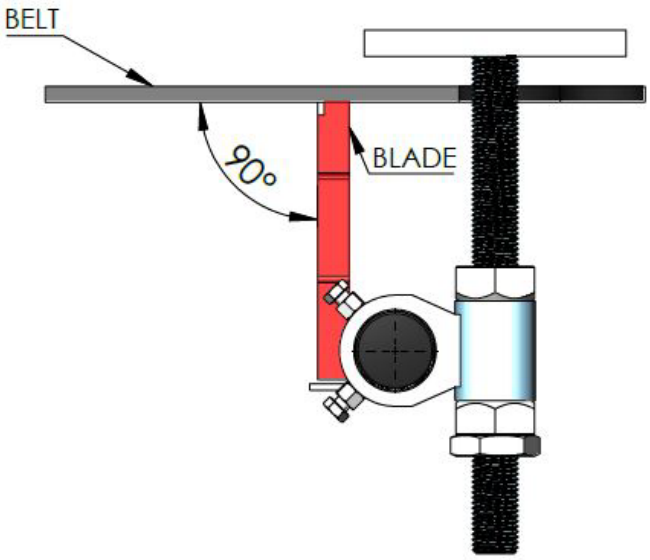
Installation Step 5: K-Cleatscrape system installation against belt

- Adjust the blade bar by means of the tension screw nuts until it just makes contact with the belt. The blades should be at **90°** with the belt.



- Check all blade fingers are in contact with the belt.
- Run Belt to ensure correct fitting
- Blade Deflection should be no more than 12mm in the direction of belt travel, this should be measured between cleats.

Maintenance:

- The K-Cleatscrape's optimal performance is dependent on regular visual and physical checks and regular cleaning.
- The blades can be easily replaced by following Step 3 and 5 above when the Tungsten/Stainless Steel tips have worn away.
- To maintain blade contact across the width, all blades must be replaced at the same time.

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