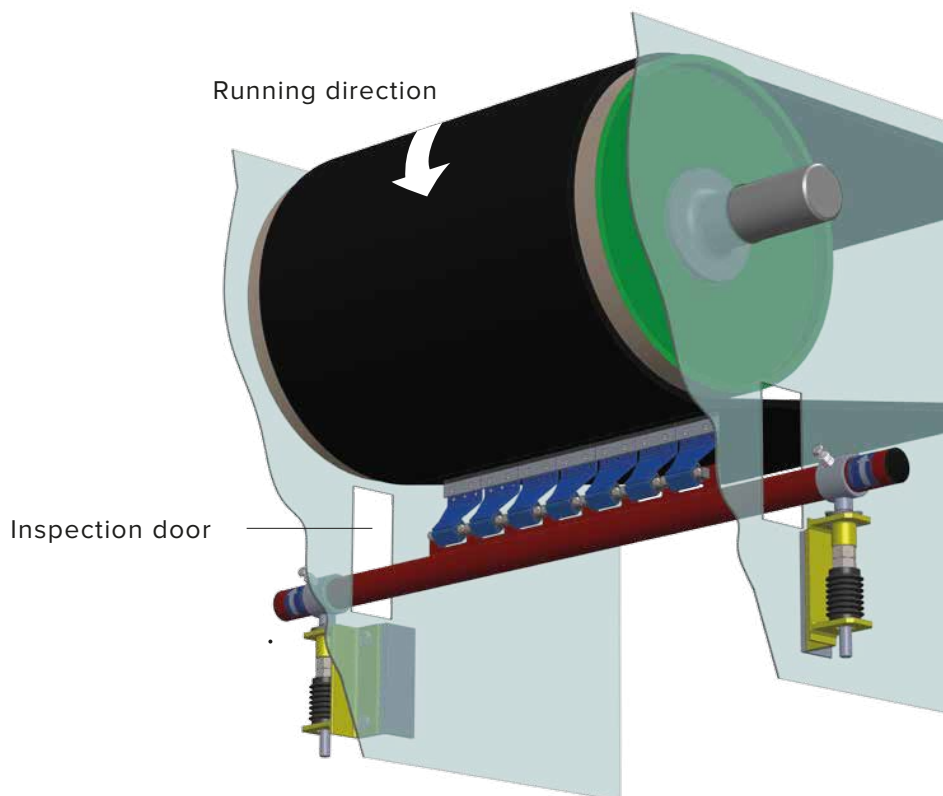


## Installation Instructions: K-Calibre Secondary Belt Cleaner

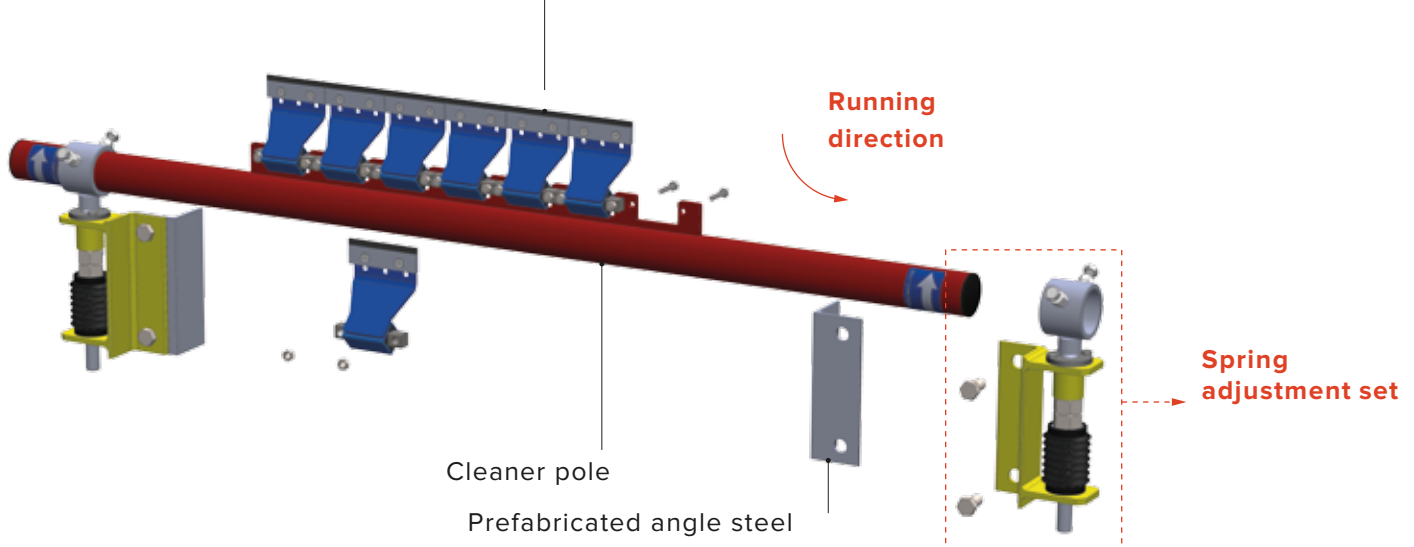
Kinder Australia product:	K-Calibre Secondary Belt Cleaner
Product category:	Belt Cleaning System Products
Overview:	<b>Two blade materials available tungsten carbide and PU</b> <b>High performance torsion blade combined with spring tensioner</b> <b>Belt friendly</b> <b>Excellent elasticity</b> <b>Ideal for use on spliced belts</b>



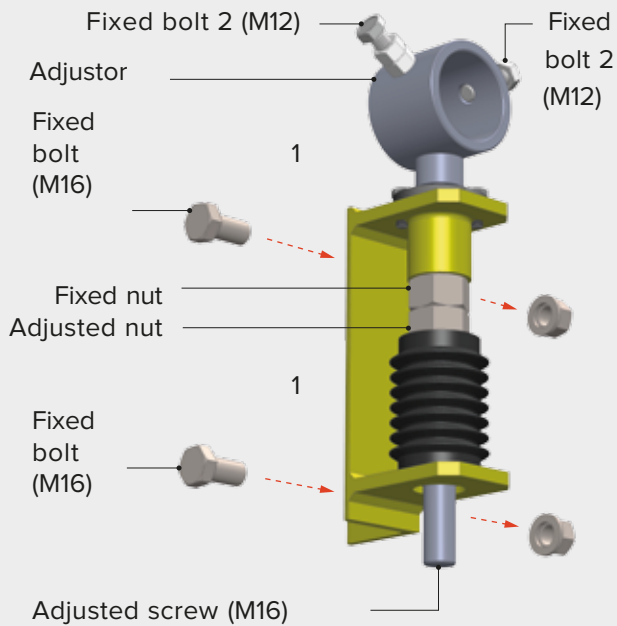
**WARNING: Always obey all applicable safety rules. Be sure all power to the conveyor has been disconnected and controls are locked out.**

## Installation Instructions: K-Calibre Secondary Belt Cleaner

### The K-Calibre Secondary Belt Cleaner Assembly Drawing:



### The Spring Adjustment Set



### The Way to Turn a Nut (M16)

Turn the nut  
counterclockwise:  
loosen

Turn the nut  
clockwise:  
tighten



**Before installing the cleaner, turn off and lock out/tag out at the power sources**

#### Tools Required

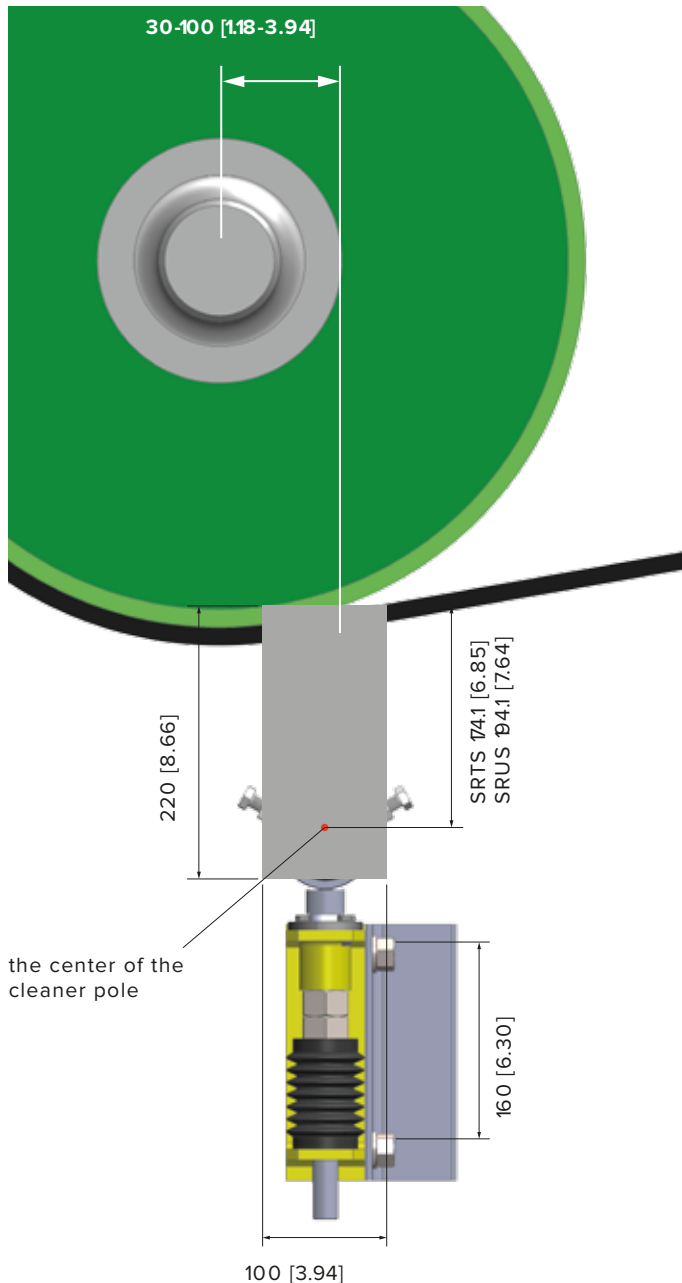
Double ended ring spanner (M12/M16), Adjustable wrench, Marking pen, Spirit level, Steel square

# Installation Instructions: K-Calibre Secondary Belt Cleaner

## Step 1 Cut the Inspection Doors

Cut both specified areas of the chute as inspection doors:  
100x240mm [3.94"x9.45"] (**NOTE: position the blade 30-100mm distance from the center of pulley**)

[ Fig.1 ]

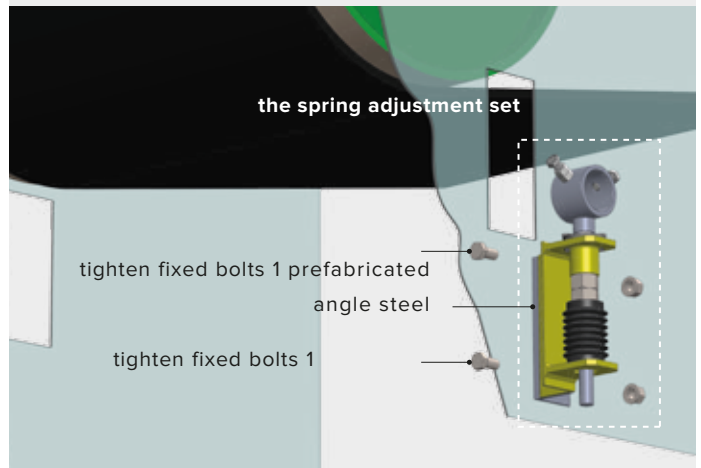


## Step 2 Install the Spring Adjustment Set

Calculate the location of spring adjustment set. Drill holes or weld the prefabricated angle steel on the chute and make the two pieces together. (**NOTE: make sure holes or welded joint is parallel to another side or the belt cleaner is unparallel to the pulley.**)

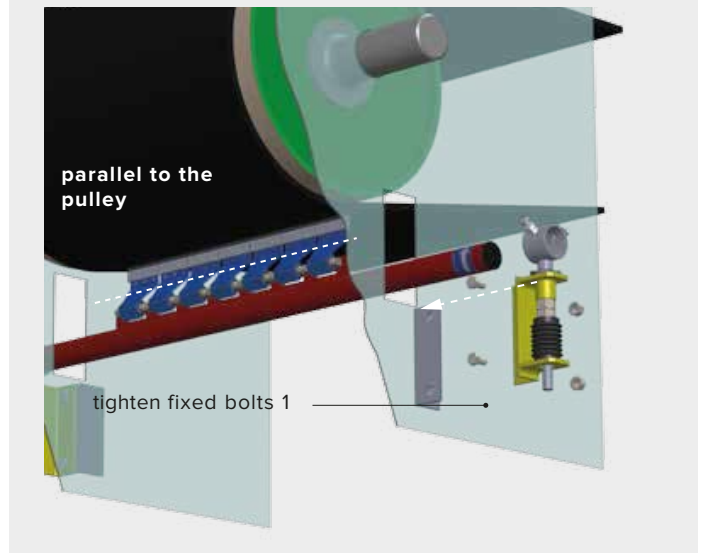
**Drill holes:** Assemble the fixed bolts 1 and tighten them by the M16 screw set to make the belt cleaner easy to maintain.

**Weld:** Clean the weld heads and then paint them.



## Step 3 Install the Belt Cleaner and the Spring Adjustment Set

Put the blade set with pole in through the inspection doors. Assemble another spring adjustment set and tighten the fixed bolt 1.



Be careful when cutting for inspection doors.

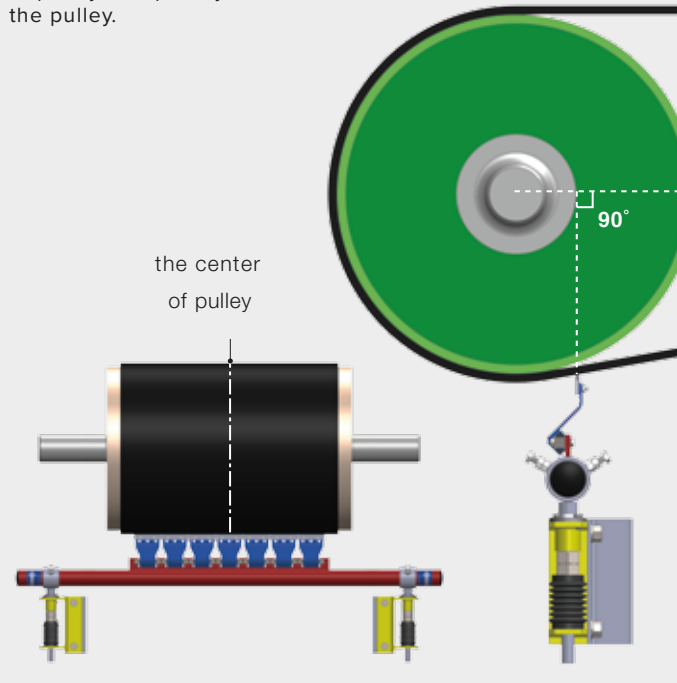


Be careful when moving parts of belt cleaner.

## Installation Instructions: K-Calibre Secondary Belt Cleaner

### Step 4 Align the Blade Set with the Center of Pulley and Contact the Belt Surface

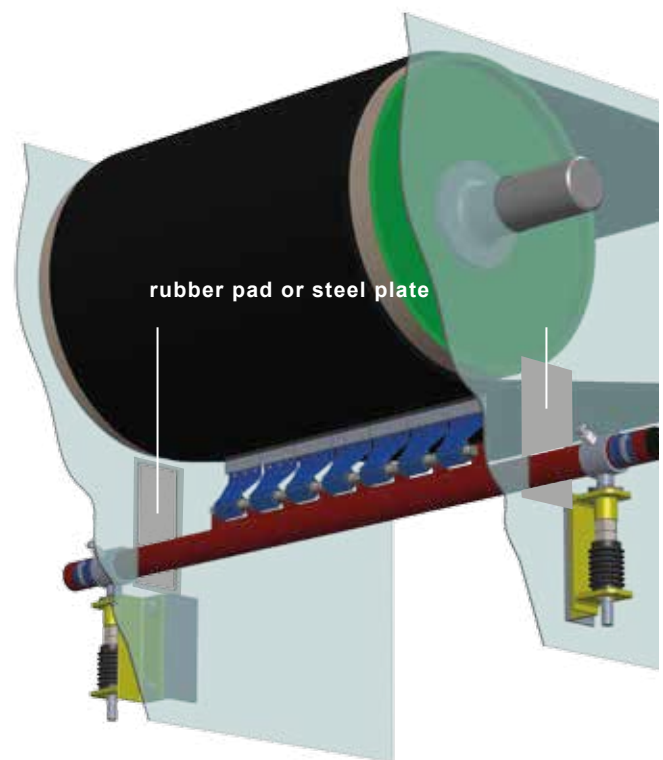
Move the blade set to align the center of pulley, completely contact the belt, and set at 90° to the pulley.



### Step 6 Complete Installation and Test Run at least 15 Minutes

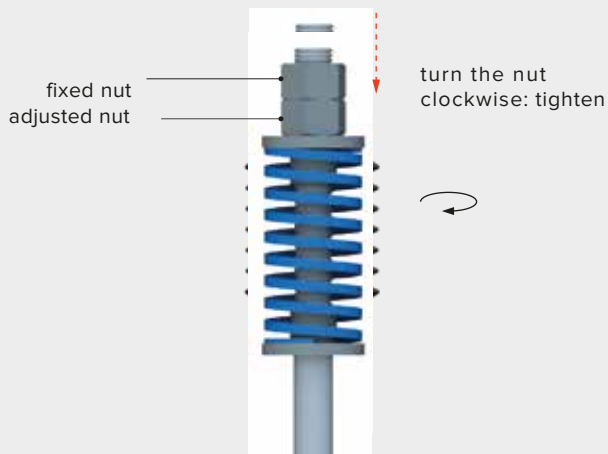
Recheck all fasteners are tightened and remove all installation materials and tools from the conveyor area before running test.

**(NOTE: After the test run, using a shield, such as rubber pad or steel plate to cover the hole prevents overflow in operation.)**



### Step 5 Adjust for Spring Performance

Tighten the adjusted nut until the blade tip completely contact the belt surface or decrease the scraping forces. Continuously tighten the adjusted nut (half a circle) then tighten the fixed nut.



# Installation Instructions: K-Calibre Secondary Belt Cleaner

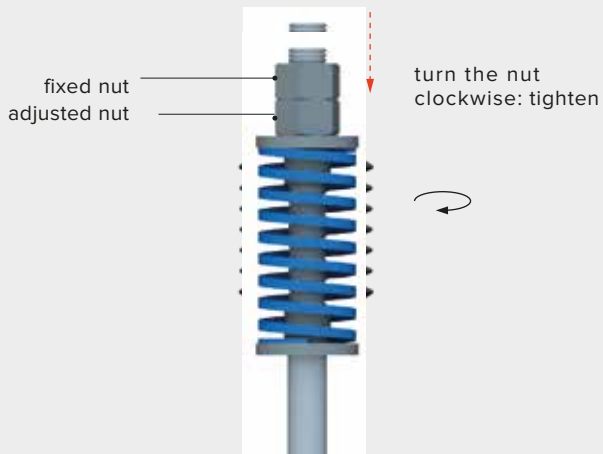
## Notification of Hazards

Hazards	Causes	Solutions	Workers are required to wear hard hats, glasses or face shields, gloves, work shoes or boots with slip-resistant and puncture-resistant soles, and so on at all times on the job site to maintain in good working condition.
Cuts, scratches and grazes	Get a cut, scratch or graze on the job	<ol style="list-style-type: none"> <li>1. Use PPE correctly.</li> <li>2. Injury prevention at work.</li> </ol>	
Stab	Stabbed by an iron nail and sheet metal	<ol style="list-style-type: none"> <li>1. Clean iron nails and sheet metal.</li> </ol>	
Weld	Get an electric shock or explode	<ol style="list-style-type: none"> <li>1. Locate an airy place, use glasses or face shields, and set a No Open Flames sign.</li> <li>2. Use a insulated shank with heat-resistant.</li> <li>3. Remove inflammable and prepare a fire extinguisher.</li> </ol>	

## Maintenance

### Maintenance 1 Inspect Blade Tension at least Once per Week and Clean Material Accumulation

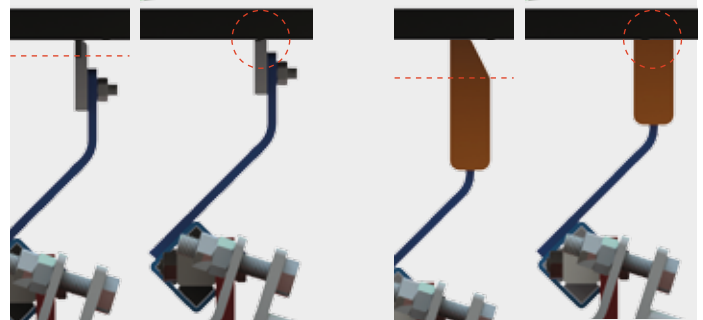
The blade tension will get reduced as blades get worn. Check the tension of the cleaner blade to the belt. Adjust tension if necessary following Step5 to adjust blade for better performance. Clean material accumulation to extend service life and have better performance.



Before adjusting tension or cleaning material accumulation, turn off and lock out/tag out at the power sources.

### Maintenance 2 Inspect the Blade for wear toward "Abrasion Limit Line" and Replace if needed

When blades are worn toward "abrasion limit line", stop operation and replace them to protect belt.



DO NOT reuse the screws and nuts on blades

