

MCS1 AB SECONDARY CLEANER FITTING INSTRUCTION

- Isolate all involved conveyors before starting the installation
- The best installed position of the MCS1 secondary cleaner is 100 mm to 250 mm behind the tangent point where the conveyor belt leaves the pulley. (see Figure 2)
- Ensure that the carry back materials will be returned to the fines tray to reduce product spillage.
- If more than one secondary cleaner is to be installed, the minimum distance in between the two shafts to avoid product build up is 500 mm.
- The mounting position of the shaft is determined by the dimension (Y) as shown in Figure 3. The distance is measured perpendicular from the underside of the belt.
- The mounting brackets should be perpendicular to the belt as shown in Figure 1
- Position Brackets using a G Clamp, or scribe a vertical line on the chute wall and weld/drill four 17mm mounting holes to F and G dimensions (refer Figure 3).

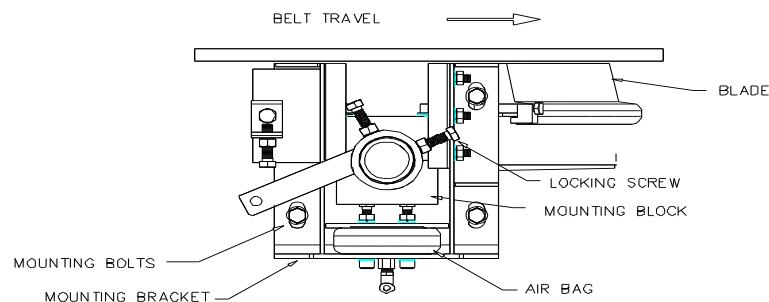


Figure 1 - General Arrangement of Mato MCS1 Type Cleaner

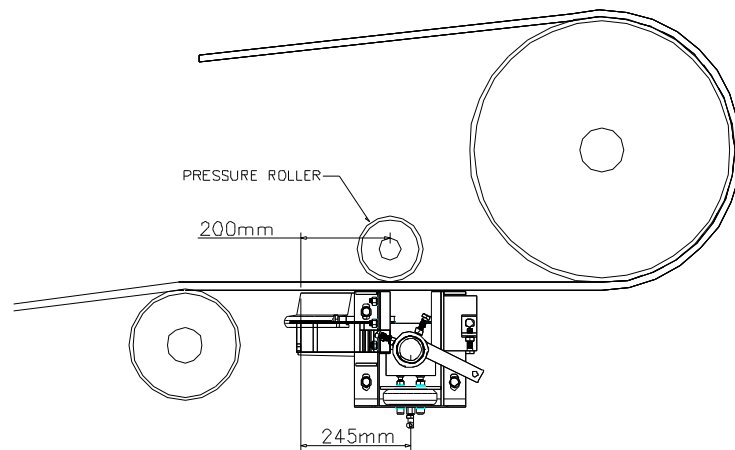
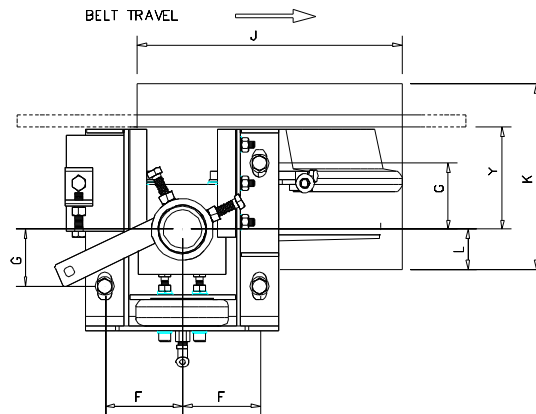


Figure 2

- On an enclosed transfer chute, a cut out hole on both sides may be required to pass the cleaner shaft through for installation and inspections (see J and K dimension in Figure 3).
- Remove the top section of the mounting blocks and pass the cleaner shaft across the underside of the conveyor belt and insert into the mounting blocks and support temporarily, once the shaft is in position re-install the top mounting blocks.
- Install the pre assembled adjusting brackets and M16 bolt to the front side of the black guide blocks mounts to be used as additional adjustments.
- Install the spacing collar over the shaft, then install the adjusting arms on each side of the assembly as shown in figure 3.
- Ensure that the shaft is setup parallel to the belt and the blades contact evenly across the full width of the belt.

- Place a suitable lever through the holes in the end of the shaft, rotate and hold the shaft until the blade is touching the belt, whilst holding the shaft to the belt, tighten the two locking bolts on the adjusting arm for security and release.
- Mount the air valve and pressure gauge supplied to a secure section of the conveyor structure and secure tight.
- Connect the air tube from the air valve gauge to the tee piece supplied, then connect the air tube from the tee piece to each air bag, Note, Pass the of side tube through the cleaner shaft for protection and insert into the air fitting.
- Connect the plant supply line into the Air Valve gauge and set at 12 to 15 PSI
- Ensure that the blades are in full contact across the entire belt width. In some cases a pressure roller may be required to flatten out the belts surface to achieve the best possible cleaning. (see Figure 2)



Belt Width	'Y'	'F'	'G'	'J'	'K'	'L'
800 mm – 1200 mm	160	100	100	260	275	60
1350 mm – 2000 mm	170	100	100	270	300	70

Figure 3

- Tighten all locking nuts, run conveyor and inspect. Monitor the cleaner, and adjust further if required.