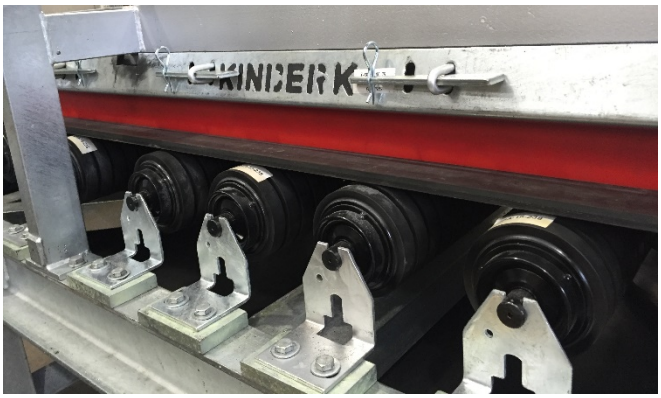
Installation Instructions: K-Conlock® Clamp System

Kinder Australia product:	K-Conlock® Clamp System
Product category:	Conveyor Skirting and Sealing
Issue date:	18.07.18
Revision:	0

Overview:

The function of the K-Conlock® Clamp System is used to retain and easily adjust the skirting seal. The skirting seal is clamped between the chute wall and K-Conlock® Clamp System locking plate. The assembly does not have to be completely disassembled to make adjustments. Short slots in the skirt plate are for the K-Conlock® Mounts and long slots are for inspection of how much skirting medium remains. The K-Conlock® Clamp locking plate has holes for access to the K-Containment Seal mounting bolts such that they can be adjusted/replaced without removal of the dust seal.



Procedure:

1. **Notes before starting:**
    a. The skirt retaining plate can be cut to suit the required skirting length provided that it is trimmed to include adequate mounts (2 min).
2. Run the conveyor until all the material is removed.
3. Isolate, lock and danger tag the conveyor at the main positive isolator in accordance with the appropriate health and safety regulations in force at your site to prevent unauthorized starting.
4. Check the structure for where the K-Conlock® Clamp System is to be installed and remove structure if necessary and safe to do so. For best product results, a continuous skirt plate is recommended where possible.

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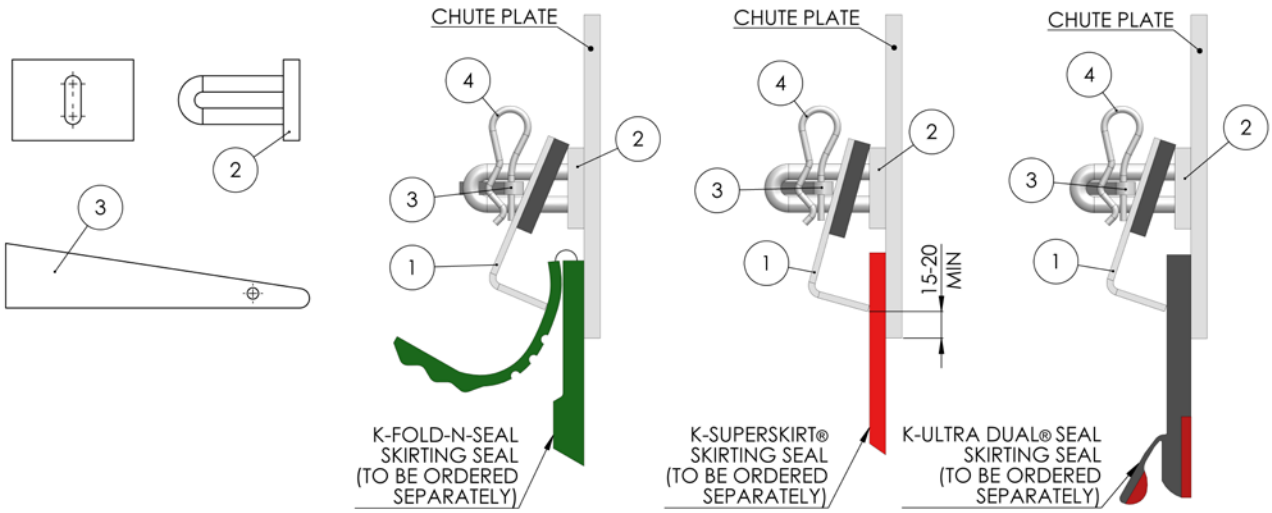
5. Mark the location where the lock mounts (item 2) are to be welded onto the chute wall. For the location height of the lock mounts, set up the bent section of the clamp plate (item 1) to be at least 15-20mm from the lowest part of the chute wall to maintain adequate skirting clamp pressure.



6. Weld on lock mounts should be set at 12” (305mm) pitch (4 off) for each clamp plate. (See drawing on the next page).

7. For the K-Conlock® assembly, match the holes of the containment seal bolts to the clamp plate to ensure the access holes line up when secured in position. See next page for a typical installation.

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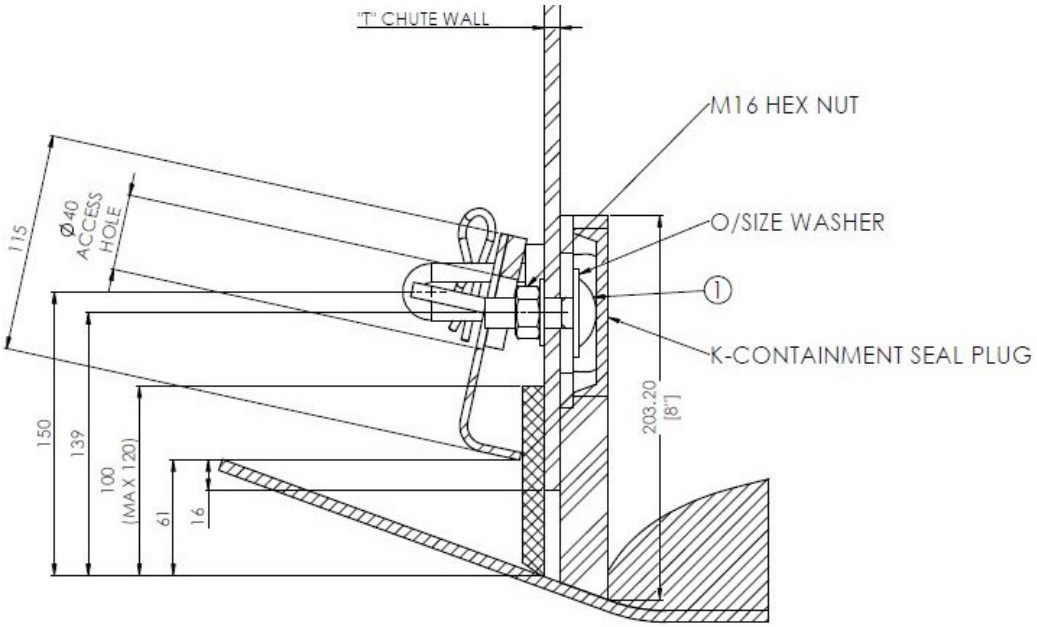

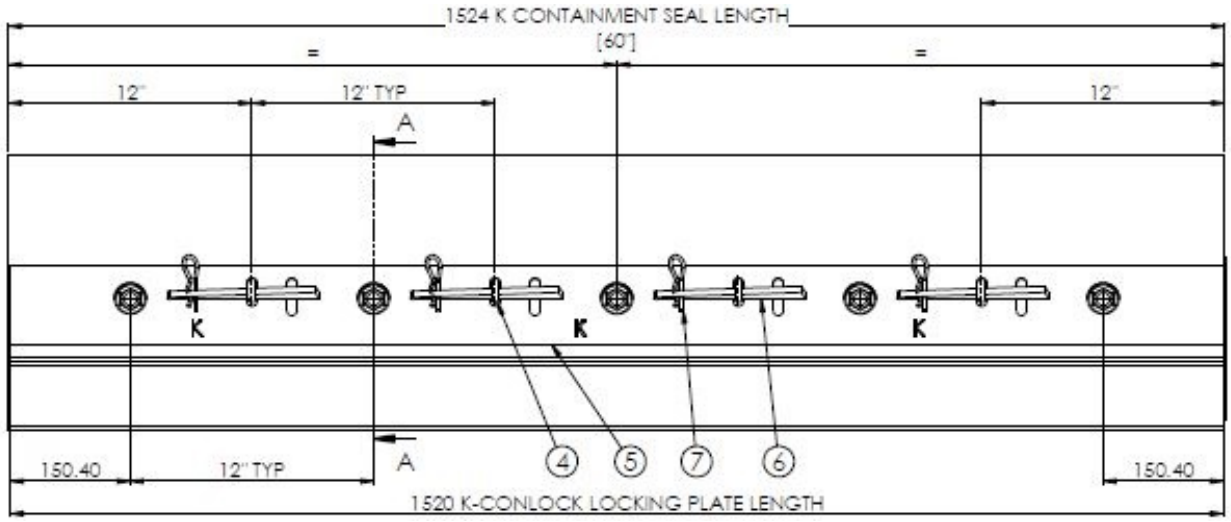

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8. Fit the skirting seal in place. A skirting seal height up to the underside of the lock mounts can be installed as a maximum. Then place the clamp plate over the skirting seal lining the short slots up with the lock mounts. Place the wedges through the lock mounts and hammer into position to provide a secure clamp. Place the R clip in the wedge to ensure it does not come free from the assembly.

9. Test run the conveyor. Check for smooth running of the skirting material on the belt top cover.

10. Inspection should be included in the normal inspection schedule. The skirting seals may stretch over time. If this occurs simply cut the excess length that hangs past the head end of the assembly. For reversing conveyors, the skirting seals may become “bunched up” or warped due to stretch in both directions, but also being fixed at each end. This may allow gaps in the seal. When necessary, remove the pressure off the K-Conlock® Clamp System (no need to remove pins) so the warping of the seal no longer exists. Then remove the excess length. This same method of removing the pressure off the clamp plate can be used to adjust the skirting seal to the belt due to wear.

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