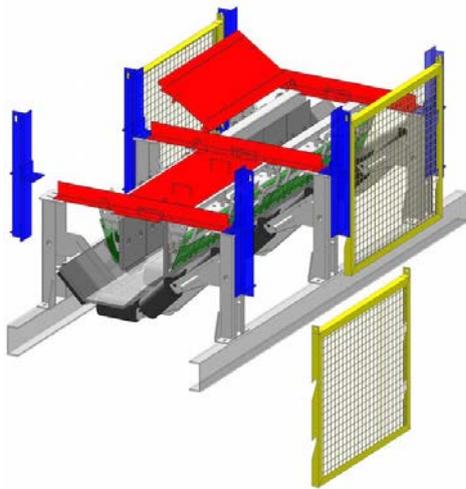


HODGKINSON PRODUCTS & B MINING



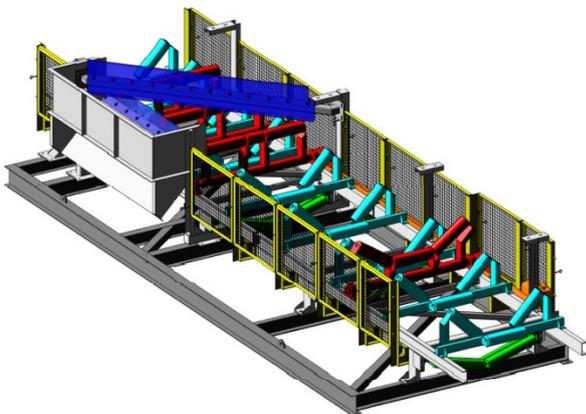
THE EXPERTS IN CONVEYOR SKIRTS



STREAMLINE CONVEYOR TRANSFER DESIGN

The 'Streamline' conveyor transfer design is a self-supporting system which utilises the idler end brackets as common supports from which all conveyor skirts, dust covers and guards are supported. This innovative design creates 100% clear and safe access to all areas around the conveyor transfer.

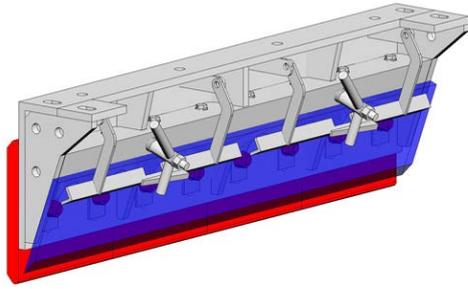
Identical conveyor skirts, dust covers and guards make this a modular conveyor design with reduced design and installation costs. On-site replacement issues are also simplified. Incorporating the 'streamline' conveyor transfer system into any new or existing transfer makes maintenance task simpler, quicker and safer whilst also improving the overall safety and productivity of the conveyor.



DIVERSION PLOUGH

The H & B Mining diversion plough has been successfully installed and operated in over 50 mine sites across Western Australia and is now entering the international market.

H & B Mining design and fabricate diversion ploughs to create a secondary circuit on any fixed mining conveyor. The activated diversion plough diverts material off the carry belt. A tilt idler mechanism lays dormant beneath the operational conveyor which when rotated into an operational position, raises the conveyor belt to create a flat surface to engage with a fixed diverter plate.



'EASY MAINTENANCE' SKIRT SYSTEMS

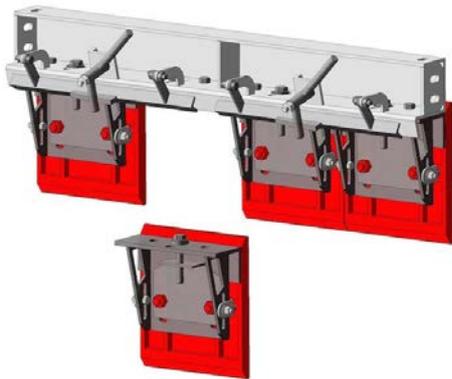
The H & B 'Easy Maintenance' conveyor skirting system is designed with an adjustable primary and secondary seal which allows easy access for inspection and maintenance to the conveyor skirt liners. A single person can remove skirt rubber and inspect the conveyor skirt liners without having to get inside the chute and/or the skirting area.

Once the inspection is complete, the operation to adjust the vertical height of the skirt liners and maintain the all-important sealing gap between the skirt liner and conveyor belt still only requires one person; improving conveyor safety, maintenance and productivity.

The H & B 'Easy Maintenance' conveyor skirt system incorporates three innovative features:

1. A skirt rubber clamping system which eliminates the need for tools when adjusting or replacing skirt rubber.
2. Vertical liner adjustment to ensure minimal spillage at the carry belt-skirt interface.
3. Access to skirt liners from outside of the skirted area.

The **Segmented Skirt System** has all the same 'Easy Maintenance' features as the standard EMS skirt. The major difference between the two designs is that the segmented skirt allows for liner replacement without having to enter the chute or skirted area thus eliminating the need for a confined space entry permit.



ECO-RANGE SKIRT LINERS

The novelty in the H & B Eco-Range Skirt Liners is that the liner is designed to accommodate commercial bolts to fix the liners in place.

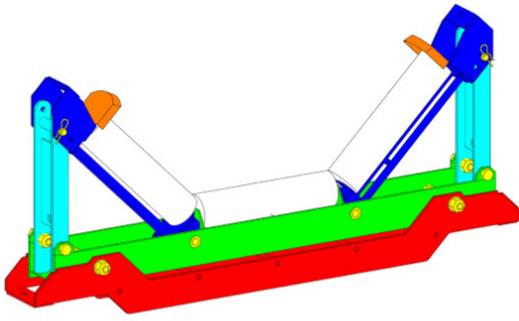
- **Eco Standard Conveyor Skirt Liner** is a full-thickness, cast ni-hard liner designed for impact areas. It's ability to utilise a commercial bolt reduces supply costs.
- **The Eco-light Skirt Liner** is a hollowed, cast ni-hard liner designed economy and safety in mind for low impact areas. The innovative design reduces the overall mass of the skirt liner by up to 40% such that the conveyor skirt liner is safer to handle with lower supply costs also.



DROP DOWN CONVEYOR IDLERS

The DDI conveyor idler provides a quick, easy, safe and economical way to change out worn or damaged idler rollers. One person can change out rollers by removing a locking pin to release the roller support frame from its operational position. A bottle jack or hydraulic cylinder is then used to lower the roller support frame away from the belt to create an opening between belt and rollers sufficient to allow access for removal or insertion of rollers without the need to lift the conveyor belt.

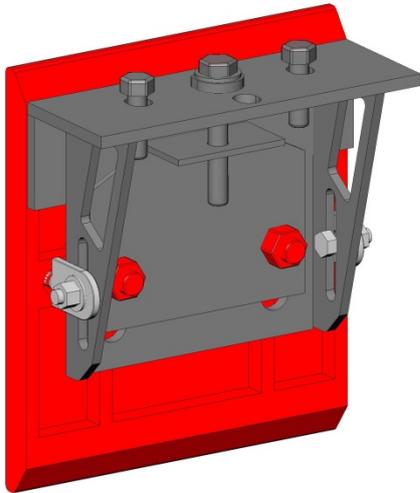




DROP DOWN RETRACTABLE CONVEYOR IDLERS

The DDRI conveyor idlers are designed to facilitate & simplify the removal/replacement of worn or damaged idler rollers whilst the units remain in an “in-situ” location under skirted or difficult access areas on conveyor systems.

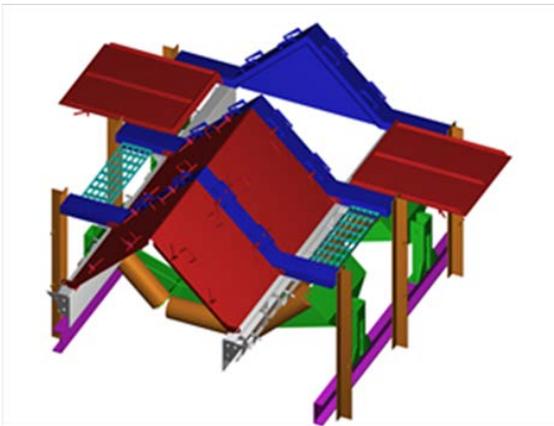
The DDRI is designed for use on a conventional conveyor system arrangement of a single row of rollers and incorporates a retractable capability which allows for access to the central idler roller, enabling easy maintenance. They are manufactured to facilitate site standard impact or carry idler rollers or any other nominated rollers used by the Australian mining industry.



NON-DROP SKIRT LINER

The H and B ‘Non-drop Skirt’ incorporates a custom designed skirt liner (to mining standards) that incorporates inserts that allow for two ‘eye bolts’ which are screwed into the liner to provide a locking interface. The skirt liner can be installed with or without the ‘eye bolts’. Either way the skirt liner will function as a normal conveyor skirt liner. The receiving locking interface on the skirt panel utilises two stiffener plates with slots to which the ‘eye bolts’ can be fixed with locking bolts.

Upon installation of the skirt liner onto the skirt panel, the ‘eye bolts’ on the skirt liner are aligned with the slots in the skirt stiffener and are locked together with a locking bolt. Once the locking bolts are installed there is little or no chance that the liner will get dislodged and fall into the ore stream.



HINGED CONVEYOR DUST COVERS

Incorporating the H & B easy maintenance dust cover system for mining conveyors eliminates the need to employ a crane to lift off heavy, hard to handle dust covers whilst also eliminating the need for bolts or awkward wedges. The innovative hinged cover design allows easy access to skirted areas along the conveyor for inspection and maintenance and can be retrofitted to any existing skirting system. Hinged dust covers can be flat hinged or apex hinged design. A single person can easily release each conveyor dust cover from its locked position by releasing two locking handles and rotating the hinged dust cover into its open position.



DILO CONVEYOR GUARDS

The D.I.L.O. (drop in/lift out) conveyor guard system has been specifically developed for the Australian mining industry to provide a safe and easy way to remove and re-install guards. The D.I.L.O conveyor guard system is a sturdy design. It offers a complete safety barrier protecting personnel from injury as well as preventing damage to machinery. H & B Mining’s in-house design team can retrofit DILO guards into an existing plant or incorporate into the design of a new plant.