



COMPACT PLUS PRIMARY CLEANER

Carryback from conveyor belts is an everyday occurrence, resulting in reduced operational efficiency, reduced safety and environmental conditions while generating increase maintenance and clean-up costs. Conveyors with smaller head pulleys are often used in industries where safety and reliable delivery are paramount to profitability.

The Compact Plus Primary Conveyor belt cleaner is designed for use on smaller conveyors where space is often restricted.

The Compact Plus is suitable for use on conveyor belts that range from 200 to 1350mm wide, and where belt speed is low to moderate.

FEATURES & BENEFITS

BLADE TYPE

Modular blade design provides increased wear life and ability to change blade order or material.

Constant Angle, Radial Pressure (CARP) blade profile assures that there is a consistent even blade to belt contact throughout the life of the blade. This provides effective and protective cleaning.

Variety of urethane types allow blades to conform to the belt profile and conditions.

The Patented "Keysafe" feature allows blade removable from outside the chute blade by blade. This eliminates the risk potential from both manual handling and confines space issues while servicing the cleaners. The reduced time needed to perform maintenance means that valuable downtime can be minimised.

Urethane blade material protects the belt surface and splices from damage and is designed to fold back and pull through rather than damage the conveyor belt surface or splices if the belt reverses or experiences



rollback. The risk of conveyor belt damage or replacement and subsequent downtime to repair or replace is effectively reduced.

MAINFRAME

The mainframe is available in either mild steel or stainless steel constructions; this means that corrosive environments can be catered for.

TENSIONING DEVICES

There are several typed of tensioning device available to maintain the blade to belt pressure throughout the life of the blade. This provides optimal cleaning performance while preserving blade wear rates removing material that would otherwise pass between the belt and the blade surface.

Differing styles of tensioning device are and can be customised to suit what is available at each plant. ESS tensioning device allows blade adjustment while the conveyor is still running from outside the chute, allowing the applied pressure to be fine-tuning without the need to stop production.



HOW IT WORKS

The Compact Plus Primary Cleaner is normally mounted on the face of the conveyor head pulley and is designed to peel off the thick layer of loosely adhering material that often accounts for 80%-90% of carryback.

The Compact Plus is normally used in conjunction with at least one secondary cleaner, such as the ESS Compact Secondary, and often with a water spray system: For slow moving belts, the cleaner should be positioned lower on the head pulley to ensure the blades are clear of the main material flow.

The cleaner requires an access point in the conveyor chute to install and replace the urethane blades. This should be in the form of a covered door of sufficient size to allow a technician to reach in and recover the blades. The access door should comply with all current conveyor and safety regulations.



Head Puller Diameter	Offset Dim A
200	60
250	55
300	50
Over 300	45

BACK UP AND SUPPORT

ESS backs up its products 100%. We proudly manufacture all our products at two separate locations in Australia.

ESS maintains local stores and service crew's in most Australian mining centres. Service crews are available for installation, service, inspection and troubleshooting.

ESS design team provide a solution to your specific plant requirements.



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