

TYPICAL SPECIFICATION

XHD QC® #1 Conveyor Belt Pre-Cleaner

The conveyor will be fitted with a belt cleaner installed against the face of the head pulley (in the pre-cleaner position) to remove carryback and return it to the main material flow.

This pre-cleaner will be composed of a one-piece blade molded from urethane that is affixed to a flange on a steel mainframe. The blade will be designed to maintain a constant angle of blade-to-belt contact and a constant area of material against the belt to provide efficient cleaning through all stages of blade life. The cleaner will be designed to allow replacement of the blade with the removal of only one locking pin.

The profile of the pre-cleaner blade will be designed with a curve to maintain a constant cleaning angle against the belt and a constant amount of urethane against the belt at all stages of blade wear. To provide an extended service, the blade wear area will be 6 inches (150 mm).

The cleaner shall be held in cleaning position against the belt by means of a spring tensioning device. The tensioner and cleaner shall be engineered as a system in order to protect the cleaning edge from high belt speeds and multiple splices. The tensioner shall dampen splice impact to prevent damage to the cleaner. (Dual tensioners will be supplied with cleaners for belts 54 inches [1400 mm] and wider.)

The supplier of the conveyor belt pre-cleaner and tensioner system will be ISO 9001 quality system certified.

The conveyor belt pre-cleaner shall be a XHD QC® #1 Pre-Cleaner and Spring Tensioner, as supplied by Martin Engineering, Neponset, Illinois.

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