

## TYPICAL SPECIFICATIONS

### HAWG BONE® Secondary Cleaner with Metal Blades

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A minimum of one multiple-arm belt cleaner with blades held in a scraping angle position will be used to provide final carryback removal. Installed in a secondary cleaner position (at the point where the belt leaves the head pulley), this cleaner shall be composed of urethane arms with metal cleaning blades that contact the belt at a negative or scraping angle.

These individual cleaning elements will be held together to form a single cleaning assembly on a telescoping mainframe composed of A500 Grade B square steel tubing. The ends of the mainframe will telescope inside the frame's center section to simplify installation without requiring the cutting of the mainframe.

The cleaning blades will "snap" into the cleaning arms without requiring the use of any tools. Arms shall be installed on the mainframe by pounding them into locking tabs using only a hammer. Arms shall be installed in an alternating long arm, short arm, long arm pattern to create an overlapping pattern of blade-to-belt coverage.

The cleaner shall be held in cleaning position against the belt by means of a torque-storage tensioning device. This tensioner shall be designed with a set-resistant 60-durometer natural rubber coupling, which when twisted into tensioning position, shall maintain suitable cleaning pressure while requiring minimal adjustment to compensate for blade wear. The tensioner shall dampen splice impact to prevent damage to the cleaner. The tensioning device shall be self-relieving; in the event that excess blade wear or belt faults allow the blade to be "pulled through," the tensioner will release its stored force without any unshielded movements.

The supplier of the belt cleaner will be ISO 9001 quality system certified.

The secondary cleaner shall be a HAWG BONE® Secondary Cleaner as supplied by Martin Engineering, Neponset, Illinois.

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