

## TYPICAL SPECIFICATION

### (Standard) 1-Piece APRON SEAL™ Skirting System

A skirtboard sealing system shall be installed on all conveyor loading points to eliminate material spillage and provide a positive dust seal. This sealing system shall be a low-maintenance design that provides an effective seal without the application of downward force onto the belt.

*It is recommended that appropriate wear liners be installed on the inside of the chute to protect the sealing system from material side-loading forces.*

The skirting shall be composed of a single strip of EDPM rubber fabricated with an integral “outrigger” strip to form two sealing barriers. This skirting will provide dual sealing effectiveness while allowing the simple installation of single-strip systems.

The sealing strip shall be clamped against the metal chute wall above the belt. The strip’s primary leg shall be installed to touch the belt, forming a flexible wall to contain fugitive material. The sealing strip’s “outrigger” leg will be installed so it lies on the outside of the belt, away from the material load. This flap shall form two ribs that form a secondary seal, to keep on the belt any particles of material that pass under the primary seal. The sealing strips shall require only two inches (51 mm) for belt outside the chute to provide an effective seal.

This system shall be tensioned onto the belt only by gravity and its own internal elasticity, without requiring the application of downward pressure. Clamping pressure will be supplied only horizontally to hold the primary leg against the chute wall. The sealing strip shall be self-adjusting, with flexibility to adjust to variation in belt travel or in wear.

The skirt sealing system will be fabricated from materials suitable for applications with exposure up to 250 (121° C) continuous, or to 250° F (121° C) intermittent. The sealing strip shall be available in continuous lengths up to 300 feet (91 meters).

The supplier of the one-piece dual layer sealing system shall be ISO 9001 quality system certified.

The sealing system shall be 1-Piece APRON SEAL™ Skirting, as supplied by Martin Engineering, Neponset, Illinois

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## **TYPICAL SPECIFICATION**

### **Heavy-Duty 1-Piece APRON SEAL™ Skirting System**

A skirtboard sealing system shall be installed on all conveyor loading points to eliminate material spillage and provide a positive dust seal. This sealing system shall be a low-maintenance design that provides an effective seal without the application of downward force onto the belt.

*It is recommended that appropriate wear liners be installed on the inside of the chute to protect the sealing system from material side-loading forces.*

The skirting shall be composed of a single strip(s) of EDPM rubber fabricated with an integral “outrigger” strip to form two sealing barriers. This skirting will provide dual sealing effectiveness while allowing the simple installation of single-strip systems.

The sealing strip shall be clamped against the metal chute wall above the belt. The primary leg shall be installed to touch the belt, forming a flexible wall to contain fugitive material. The sealing strip’s “outrigger” leg will be installed so it lies on the outside of the belt, away from the material load. This flap shall act as a secondary seal, to keep on the belt any particles of material that pass under the primary seal.

This system shall be tensioned onto the belt only by gravity and its own internal elasticity, without requiring the application of downward pressure. Clamping pressure will be supplied only horizontally to hold the primary leg against the chute wall. The sealing strip shall be self-adjusting, with flexibility to adjust to variation in belt travel or in wear

The skirt sealing system will be fabricated from materials suitable for applications with continuous exposure up to 250° (121° C), or with intermittent exposure to 300° F (149° C). The sealing strip shall be available in continuous lengths up to 300 feet (91 m).

The supplier of the two-component dual layer sealing system shall be ISO 9001 quality system certified.

The sealing system shall be the Heavy-Duty 1-Piece APRON SEAL™ Skirting, as supplied by Martin Engineering, Neponset, Illinois.

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## **TYPICAL SPECIFICATION**

### **BOCO™ Automatic Skirting System**

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A skirtboard sealing system shall be installed on the outside of all conveyor loading points to control material spillage and provide a positive dust seal.

*It is recommended that appropriate wear liners be installed on the inside of the chute to protect the sealing system from the forces of material side-loading.*

The sealing system on each side of the skirtboard will be composed of a rubber strip held between two steel plates. The sealing system will be mounted against the outside of the skirtboard on sliding pressure arms that allow the system to rise and fall with changes in the belt's line. This system shall be self-adjusting to maintain an effective seal automatically.

The skirtboard sealing system shall provide an effective sealing on conveyors with as little as 1.25 inches (32 mm) of free area on each side of belt.

To eliminate spillage at joints in the sealing strip, the rubber sealing strip shall be available in extended lengths. The sealing strips shall provide a wear life of 5.5 inches (140 mm).

To simplify maintenance, replacement of the sealing strip when worn will be a quick and easy "no tool" operation requiring only the removal of linchpins.

The supplier of the skirtboard sealing system shall be ISO 9001 quality system certified.

The self-adjusting skirtboard sealing system shall be the BOCO™ Self-Adjusting Skirting System, as supplied by Martin Engineering, Neponset, Illinois.

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