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Specification for Chainwheel Safety Restraints

The Safety Restraint System shall be designed to protect the personnel operating an overhead valve, in the event the chainwheel assembly should separate from the valve and fall to the ground.

All components shall be type 316 stainless steel, including the eye-bolt, wire rope cable and cable clips. The cable shall be a minimum of 7 x 19, 1/4" in diameter. The cable must not be plastic coated, nor sheathed, and must be fastened with cable clips, not by swaged fittings. A total of 4 cable clips shall be used on each restraint, two clips fastening each end of cable.

The eye-bolt shall be appropriately sized for the application and shall be threaded into the top half of the chainwheel safety guide. A locking jam nut must be used to secure the eyebolt to the Safety Restraint Cap.

The manufacturer must provide supporting evidence of a successful drop test of the Safety Restraint System, based on a 200 # drop, from a length of 4 feet.

Chainwheel safety restraint system shall be as manufactured by Trumbull Industries, Youngstown, Ohio.