

Re-Heat Furnace Entry End Shock Absorber Jarret Shock Absorber Application

Application Overview

The cold billet or slab is typically delivered to the entry side of the re-heat furnace on a roller conveyor system. The motors driving the conveyor system are typically controlled by variable speed controls which are programmed to decelerate the billet or slab as it reaches the furnace charging position

Problem

In the event of a malfunction of the conveyor drive speed control, the billet or slab is driven at full speed into an end-stop. If the end-stop is not equipped with an energy absorbing device, the impact of the moving billet or slab can cause damage to the supporting structure of the end-stop. Typically the end-stop is mounted in concrete and frequently repeated impacts result in cracking of the concrete.

Product Solution

The application of a Jarret elastomeric shock absorber properly sized to absorb not only the kinetic energy, but also the drive down force imparted by the conveyor, will result in a smooth deceleration of the billet or slab without damage to the end-stop support structure.

An inventory of standard sizes provides ready availability for most applications. Factory repair is available to recondition worn units if required, thus assuring long economical service.

