

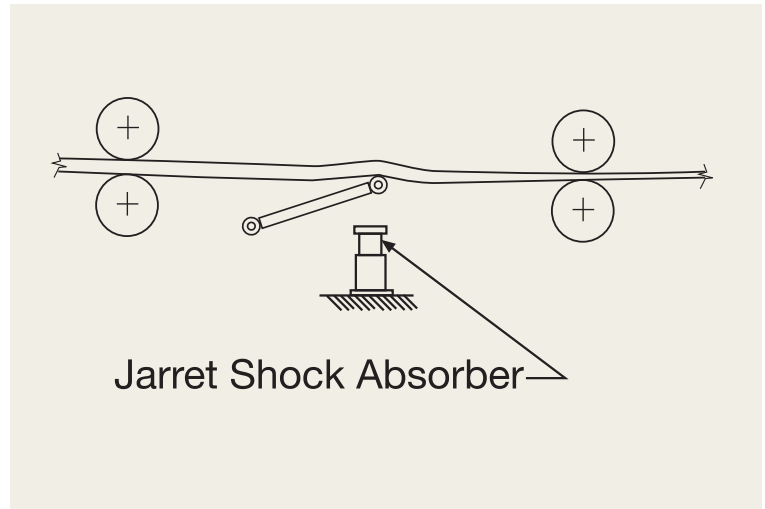
Strip Mill and Bar Mill Inter-Stand Loopers Jarret Shock Absorber Application

Application Overview

The function of the inter-stand Looper is to act as a speed regulation device and to provide the necessary degree of strip or bar tension during the rolling process. The Looper arm can be controlled pneumatically, hydraulically, or electrically and continuously moves during the rolling process to maintain the required tension.

Problem

If the Looper arm control malfunctions or is incorrectly set, it is possible for the Looper arm to over-travel either upwards or downwards and to impact a fixed end-stop. Such an impact can cause damage to the end-stop support structure, the Looper arm structure, the Looper arm drive mechanism or the Looper arm bearings.



Product Solution

The incorporation of a relatively small and inexpensive Jarret elastomeric shock absorber as part of the fixed end-stop will allow the smooth deceleration of the Looper arm in the event of an over-travel condition and thus prevent damage to the looper arm and its bearings and the support structure.

Jarret shock absorbers are normally selected to provide stopping capability for "power on" impacts absorbing both the kinetic energy of the moving looper arm as well as the force of the drive system.

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.