

## Ladle Hood Bumpers Jarret Shock Absorber Application

### Application Overview

Ladle melt stations and ladle reheat stations incorporate a hood that fits over the hot metal ladle. In some cases, this hood is suspended from an overhead structure and the hood's maximum height above the ladle is, therefore, fixed.

### Problem

It is possible for a heavy slag to deposit to build-up around the rim of the ladle. This slag may develop to the point that it makes contact with the ladle hood as the ladle is being driven under it. The hood is put into motion as a result of this contact. Depending on the design of the station, it may be possible for the moving hood to strike the vertical beams of the support or some other structure, such as the operators room.

If a fixed stop is used that does not incorporate a shock absorbing device, damage may be sustained by the support or surrounding structures. The hood itself or the refractory within the hood may also be damaged.

### Product Solution

Relatively inexpensive Jarret elastomeric shock absorbers are ideal for this application because they provide full energy absorbing capability at the low operating speeds common with the transfer of hot metal ladles. When used as part of or in place of the fixed stop, they can help avoid costly damage to the hood and/or surrounding 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.

