

Steel Industry Products



ENIDINE



HI Series

Heavy Industry Buffers

Enidine's HI series buffers safely protect the crane operator and equipment during the transfer of materials and movement of products. These large-bore, high-capacity buffers are individually sized to decelerate moving loads under various conditions. In compliance with industry mandated safety standards, these buffers are engineered to conform with OSHA, AISE, CMAA and other safety specifications such as DIN and FEM.

The HI series buffer design incorporates a proven internal hydraulic damping system, coupled with a nitrogen-charged piston rod return. The hydraulic damping design is custom orificed for specific application requirements. The HI series buffers can decelerate loads with varying velocities from 15 ft/min up to 1000 ft/min. Standard material finishes are corrosion resistant in harsh environments.

Applications:

- Control of bridge cranes
- Trolley platforms
- Large container transfer
- Transportation safety stops



HDN/HDA Series

Heavy Duty Shock Absorbers

Enidine HDN series (HDN/HDA) large-bore buffers protect equipment from impact conditions where "softer" deceleration is needed, requiring longer buffer stroke lengths.

HDN series buffers are available in standard bore diameters up to 4 inches and stroke lengths up to 60 inches. The HDA series is available in standard bore diameters up to 12 inches and stroke lengths up to 60 inches, both come in a variety of mounting configurations including front and rear flange, foot mounts and clevis mounting styles. Piston rod extension sensor systems are available to ensure the piston rod is fully extended for safety purposes. The HDN/HDA series can also be customized to meet a wide variety of application requirements.

Applications:

- Cab operated bridge cranes
- Ladle transfer cars
- Coil upenders/downenders
- Large container transfer



Jarret Series

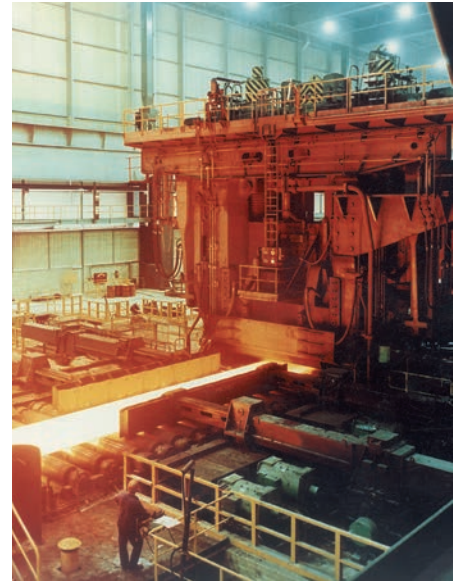
Heavy Duty Shock Absorbers

Jarret visco-elastic shock absorbers and springs have been successfully applied in heavy industry for over 40 years. The design utilizes the unique compression and shear characteristics of a specially formulated silicon elastomer that enables the Jarret series to be used as an energy-absorbing shock absorber or as a fluidic spring. Due to the compressive compatibility of the fluid, there is no need for internal gas or mechanical springs to return the piston rod to its original position, providing long, maintenance-free operation.

Jarret bumpers provide high reliability, low sensitivity to temperature variances and a high-damping coefficient.

Applications:

- Rolling mill chock separators
- Furnace slab bumpers
- Hot strip mill down-coiler
- Re-heat furnace entry end shock absorber
- Ladle transfer cars



Wire Rope Isolators

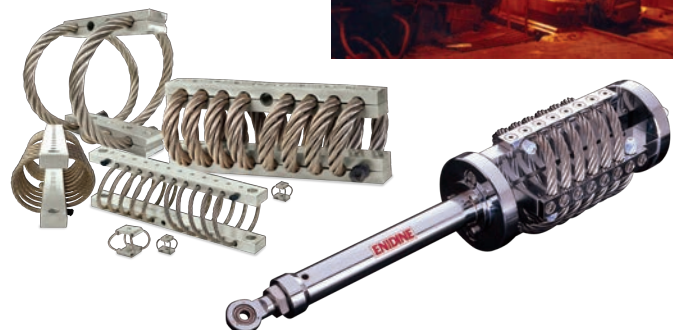
Shock and Vibration Isolators

Enidine Wire Rope Isolators are comprised of stainless steel stranded cable, threaded through aluminum alloy retaining bars, crimped and mounted for effective vibration isolation. With their corrosion resistant, all-metal construction, Enidine Wire Rope Isolators are environmentally stable high-performance shock and vibration isolators unaffected by temperature extremes, chemicals, oils, ozone and abrasives.

Individual Isolators are capable of supporting loads of up to 3,600 lbs. With proper sizing and selection, these isolators are virtually maintenance free.

Applications:

- Isolation of electronic control cabinets on cranes
- Protection of rolled materials in cradles during loading and transport.
- Protection of Piping (Pipe Restraint) from excessive shock and vibration.



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