

Design Considerations:

Designed for use on Inverted and Overhead Power and Free Conveyor Systems.

Engineered to protect the conveyor and its payload from high shock forces generated during routine carriage accumulation and abrupt starts and stops of normal operation.

Tow Bar Snubber Series

Shock Absorbers



Enidine Tow Bar Snubbers for Power and Free Conveyor Systems

Enidine Hydraulic Tow Bar Snubbers provide features and benefits to extend the service life of inverted/overhead power and free conveyors by reducing the transmitted shock force encountered in the every day operation of the production line.

Enidine Hydraulic Tow Bar Snubbers manage the acceleration and deceleration (start/stop) of material handling systems by minimizing the shock forces transmitted to the structural components of the system.

Features and Benefits of Tow Bar Snubbers:

- Minimizes Wear, Extends Service Life.
- Promotes Long Life for Modular/Flexible Automation Equipment.
- Protects Payload From Damaging High-load Stress and Shock.
- On-site Operational/Maintenance Training Available.
- Stroke Lengths of 4 and 6 inches available.
- Lifetime Warranty on Parts and Materials (material/workmanship).

Engineering Data

External Finish

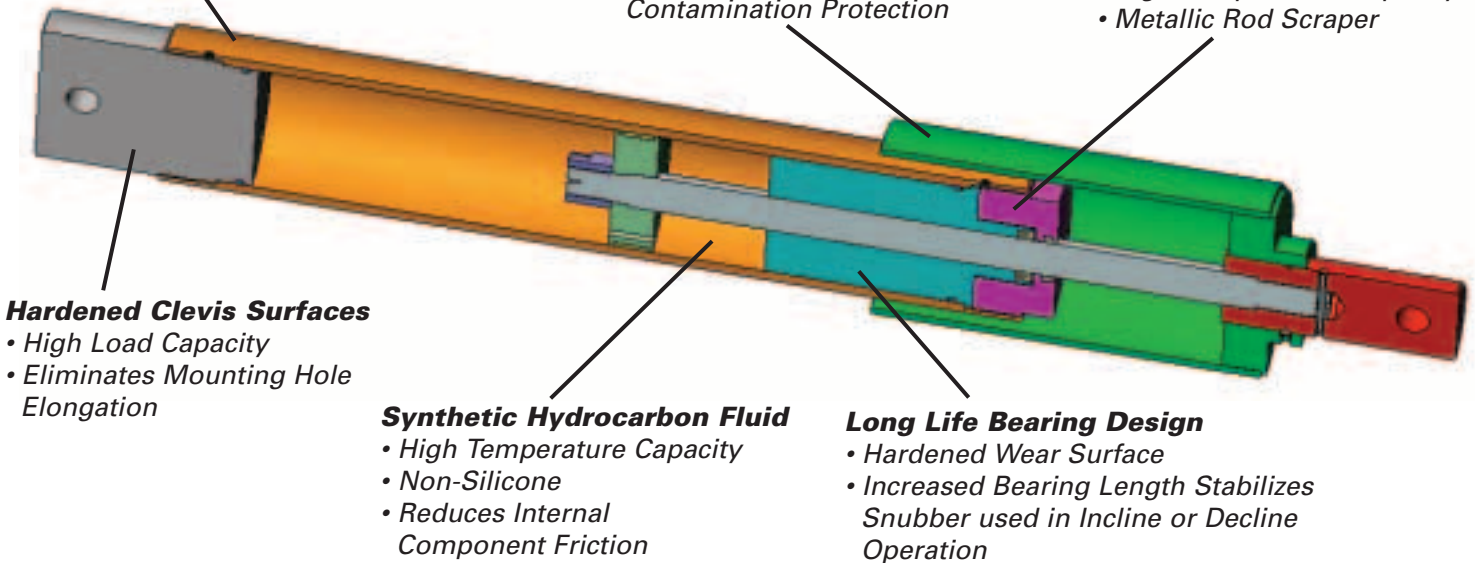
- Standard High Temperature Enamel
- Optional Finishes Available

Optional Protective Can

For Paint, Weld Slag & Contamination Protection

Seal Package

- Extended Service Life
- High Temperature Capacity
- Metallic Rod Scraper



Hardened Clevis Surfaces

- High Load Capacity
- Eliminates Mounting Hole Elongation

Synthetic Hydrocarbon Fluid

- High Temperature Capacity
- Non-Silicone
- Reduces Internal Component Friction

Long Life Bearing Design

- Hardened Wear Surface
- Increased Bearing Length Stabilizes Snubber used in Incline or Decline Operation

Hydraulic Tow Bar Snubber Operational Capacities

- **Velocities** – Conveyor Speeds of up to 120 Ft./min. (540 m/min.)
- **Loading** – Load Capacity of up to 10,000 lbs. (44 400 N)
- **Temperature Range** – Temperatures of up to 350°F (162°C)

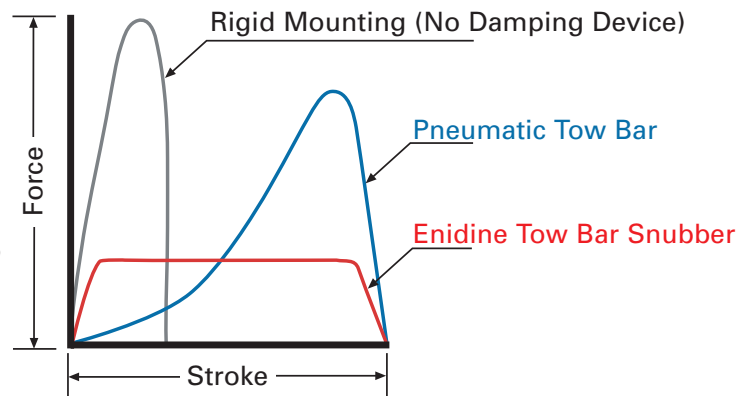
Enidine Tow Bar Snubbers reduce wear and downtime by absorbing high shock forces potentially transmitted into the moving carriage and its payload. These devices directly reduce maintenance costs associated with downtime and premature component wear.

Example:

- Carriage Weight = 5,000 lbs. (2 270 Kg)
- Velocity of Carriage = 60 Ft./min. (18 m/min.)
- Snubber Stroke = 6 inches. (.15 m)

Reaction Force Transmitted to Structure = 222 lbs. (985 N)

Without Enidine Tow Bar Snubber = 3,730 lbs. (16 560 N)



* For Existing Tow Bar Snubber dimensions see current Enidine Shock Absorber Product Catalog.

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