

## Reduces shock. Reduces clamp force. Reduces product damage.

### APPLICATIONS

The Load Cushion™ hydraulic accumulator kit provides a cushioning effect in the hydraulic system, reducing shocks to the load, equipment and operator during lifting, lowering, traveling and load packing. By reducing shock, the Load Cushion™ minimizes the amount of clamp force required to hold a load.

#### **Damage control for any application:**

**Roll Clamps:** Load Cushion™ reduces the amount of clamp force required to handle paper rolls, preventing slippage, roll dropping and out-of-roundness.

**Carton Clamps:** Load Cushion™ reduces the amount of pressure required to handle loads, preventing box crushing and dropping.

#### **Damage control for your equipment:**

Load Cushion™ reduces the wear and tear on the lift truck and attachment, extending the life of equipment components.

### FEATURES

- Accumulator with piston design
- Kit includes mounting brackets and fittings
- For systems up to 4,000 PSI

### OPTIONS

- Shut-off valve
- Charging kit (required for charging/discharging load cushion)

*Reduce damage  
to your load  
and equipment  
with Cascade's  
Load Cushion™.*



## ORDERING INFORMATION

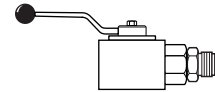
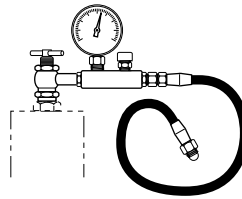
Description	Catalog Order No.
29 cu. inch (1 pt.) Load Cushion™	227201 ①
58 cu. inch (1 qt.) Load Cushion™	227202 ②

① For 3,000 to 6,000 lb. capacity trucks. Can be used on 7,000 to 10,000 lb. trucks when smaller size is desirable for installation.

② For 7,000 to 15,500 lb. capacity trucks

## OPTIONAL LOAD CUSHION ACCESSORIES

► Charging kit required for charging/discharging Load Cushion. One kit per facility recommended.



Description	Catalog Order No.
Charging Kit	228235

Description	Catalog Order No.
Shut-Off Valve	227839

## OTHER RECOMMENDED DAMAGE REDUCTION OPTIONS

### Clamp Force Indicator



Measuring device that shows the clamp force applied to the load. Used for clamp pressure calibration with systems using pressure relief valves.

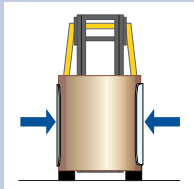
(Paper Roll Clamp version shown.)

### Swing Frame



Swing Frame models offer you the optimum in roll handling speed and capability. The lateral 'swing' or sideshifting function adds an extra dimension of flexibility to the clamp's breakout and tight stacking capabilities.

### AFC



AFC (Adaptive Force Control) is a computer-controlled clamping system that automatically controls the clamp force in proportion to the load weight.

### Adjustable Bumper



Ensures that smaller rolls are correctly positioned between the pads – not trapped in the arms.

### Light Bar Kit and Multi-Setting Relief Valve



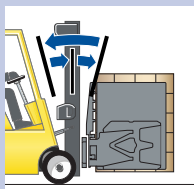
The light bar shows the pressure setting in use when installed with the Multi-Setting Pressure Relief Valve.

### Split-Arm

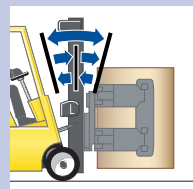


Allows secure handling of two stacked rolls of different diameters. Patented hydraulic circuit allows clamping of one roll with minimum top arm movement.

### Tilt Control



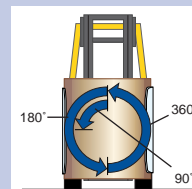
One-Way Tilt Control



Two-Way Tilt Control

Automatically controls the angle of the mast and attachment, aligning pad with the load.

### Electronic Rotational Control



Provides 90° (bilge) and 180° stops during 360° clamp rotation, which automatically aligns pad to roll.