



## Light Capacity Paper Roll Clamps



10H PAPER ROLL CLAMP

Capacities up to 2,200 lbs. (1000kg)



13H PAPER ROLL CLAMP

Capacities up to 2,900 lbs.(1300kg)

Ideal for use on smaller trucks and walkies.

# CASCADE STRONG

All 10H-13H Paper Roll Clamps use the following industry-exclusive contoured castings to provide the most durable structure possible.

PIVOT CASTING



Pivot joint stress minimized with custom shape.

CYLINDER ROD ANCHOR CASTING



High strength custom casting is lightweight and durable.

THIN PAD PROFILE



Permits close stacking and ease of roll breakout.

PAD LINK and PIN



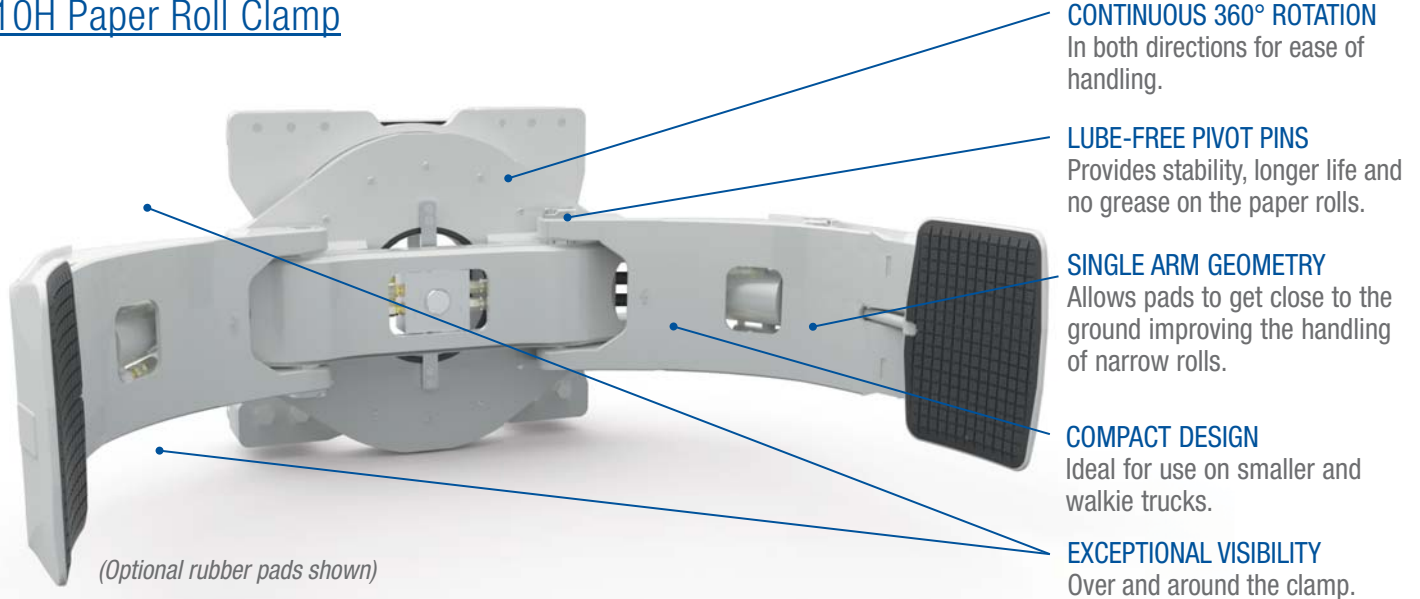
Facilitates tip loading during breakout of tightly stacked rolls.

REBUILDABLE WEAR TILE



Allows wear tile to have hard surfacing added instead of replacing contact pad after wear.

## 10H Paper Roll Clamp



*(Optional rubber pads shown)*

**CONTINUOUS 360° ROTATION**  
In both directions for ease of handling.

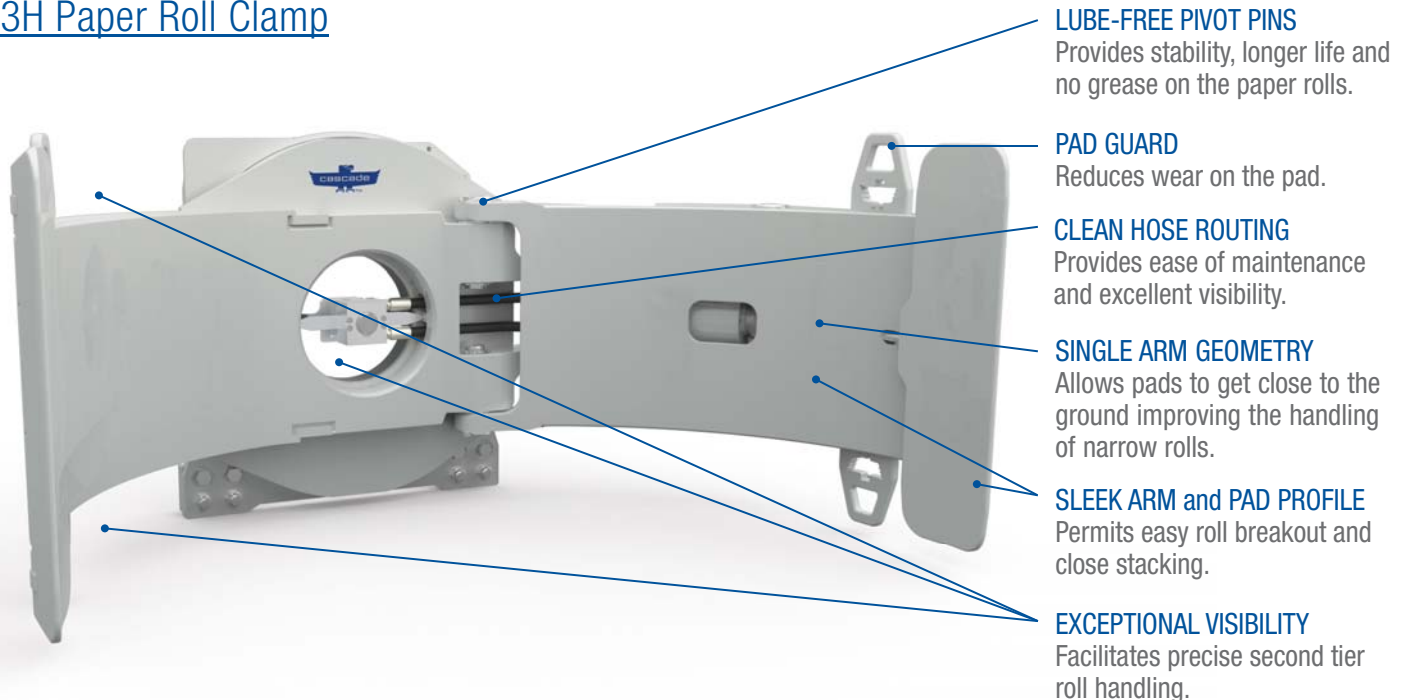
**LUBE-FREE PIVOT PINS**  
Provides stability, longer life and no grease on the paper rolls.

**SINGLE ARM GEOMETRY**  
Allows pads to get close to the ground improving the handling of narrow rolls.

**COMPACT DESIGN**  
Ideal for use on smaller and walkie trucks.

**EXCEPTIONAL VISIBILITY**  
Over and around the clamp.

## 13H Paper Roll Clamp



**LUBE-FREE PIVOT PINS**  
Provides stability, longer life and no grease on the paper rolls.

**PAD GUARD**  
Reduces wear on the pad.

**CLEAN HOSE ROUTING**  
Provides ease of maintenance and excellent visibility.

**SINGLE ARM GEOMETRY**  
Allows pads to get close to the ground improving the handling of narrow rolls.

**SLEEK ARM and PAD PROFILE**  
Permits easy roll breakout and close stacking.

**EXCEPTIONAL VISIBILITY**  
Facilitates precise second tier roll handling.

# Robust Design ... Outstanding Serviceability

## DUAL TOOTH ENGAGEMENT



Provides maximum contact area for long life.

## EASY TO SERVICE



Revolving connection supports removable from the front for easy access.

## DURABLE SEALS



Extremely durable cylinder seals for dependable life.

## CHECK VALVE and TEST PORT



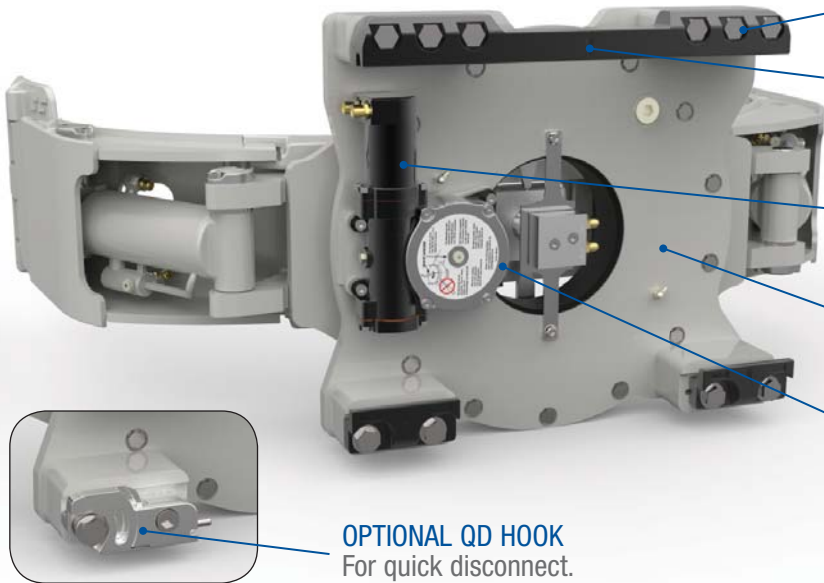
Check valve guarantees the load is held in the case of hose failure. Test port enables easy diagnostics.

## PAD SPRINGS



Assures proper alignment of the pad.

## 10H Paper Roll Clamp



### FULL WIDTH HOOK DESIGN

Evenly distributes loading on carriage bar.

### CENTERING KEY

For proper clamp-to-truck alignment.

### LOW FLOW MOTOR

Maintains high speed rotation on trucks that operate at less than 5 gpm (19 lpm).

### SMALL DIAMETER ROTATOR

Allows pads to be within 4" (100mm) of the ground to pick up narrow rolls.

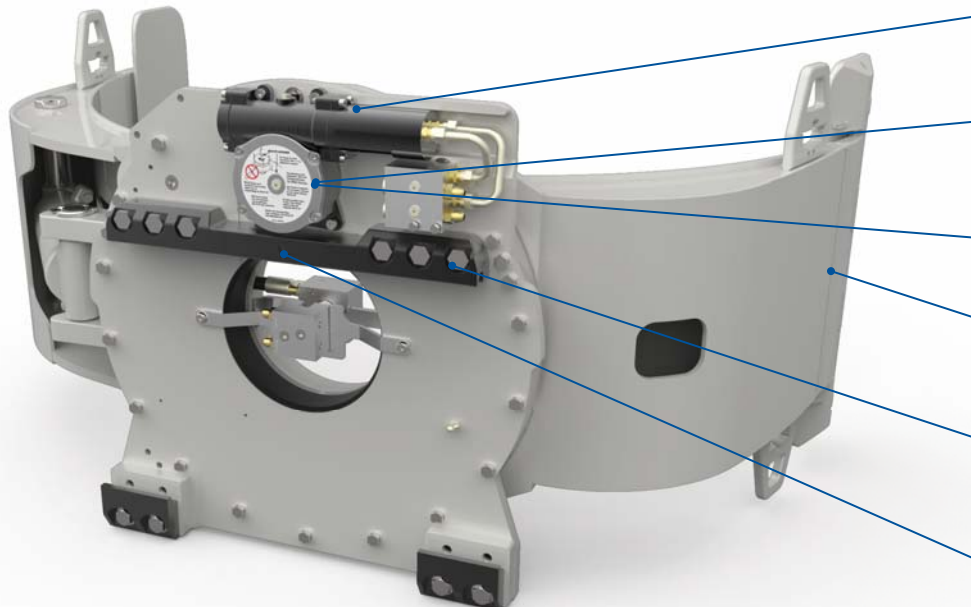
### SEALED RING GEAR AND PINION

Protects from external debris.

### OPTIONAL QD HOOK

For quick disconnect.

## 13H Paper Roll Clamp



### PROTECTED MOTOR

Compact motor located below the frame.

### CONTINUOUS 360° ROTATION

In both directions quickly transitions to and from bilge positions.

### SEALED RING GEAR AND PINION

Protects from external debris.

### MULTI-HINGE PAD TO ARM JOINT

Provides quiet operation and helps distribute clamp force to the paper roll.

### FULL-WIDTH HOOK DESIGN

Evenly distributes loading on carriage bar.

### CENTERING KEY

For proper clamp-to-truck alignment.



# Versatility comes standard. The rest is optional.

## A PAD FOR EVERY PAPER

Herringbone



For most common paper types.

Bonded RXH Rubber



For papers that need more friction — kraft, preprint, gypsum board, liner board-coated, and glassine/greaseproof.

Bolt-On UDP



For newsprint, coated stock or any paper requiring increased friction to apply adequate clamp force. (UDP provides a compressible high friction surface).

Bolt-On Smooth Rubber



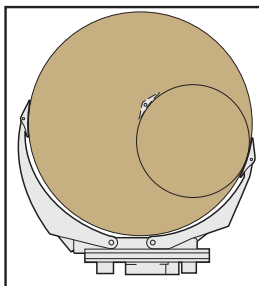
For newsprint, coated stock or any paper requiring increased friction to apply adequate clamp force. (Also available as RXH surface.)

Herringbone (Tissue)



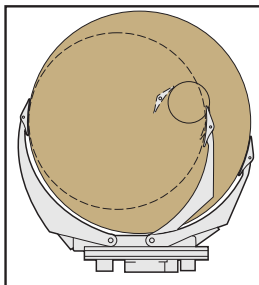
Excellent friction without grabbing tissue. Multiple pad shapes optimized for different tissue densities.

## DIFFERENT CLAMP TYPES FOR DIFFERENT ROLL REQUIREMENTS:



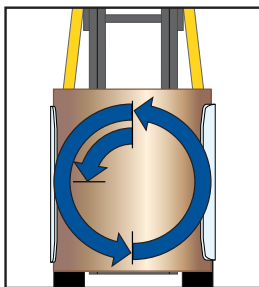
### Fixed Frame-Fixed Short Arm

Provides an extremely thin arm profile at or near the maximum roll diameter. Continuous 360° rotation. Double hydraulic function.



### Fixed Frame-Positioned Short Arm

Can be adjusted to maintain a thin arm profile over a wide range of diameters, also capable of handling small butt rolls. Continuous 360° rotation. Double hydraulic function.



### 360° Rotation

Rotates a complete 360° allowing for easy bilge handling on uneven surfaces, as well as correct alignment with rolls in any situation.

## OPTIONS and ACCESSORIES:



### HFC™ - Hydraulic Force Control

Automatic clamp force system that changes the clamp force proportional to load weight by continuously sensing how much hydraulic pressure is necessary to lift the load.



### AFC™ - Adaptive Force Control

Computer-controlled system that prevents the driver from overclamping a load by controlling the clamp force. (AFC Digital Display shown)



### 180° Stop or ERC - Electronic Rotational Control

Provides 180° stops during rotation, automatically aligning pad to roll and the roll to ground. ERC for use on the 13H Paper Roll Clamp only.