



*Increases productivity by helping the driver quickly and precisely pick up and place rolls, thereby reducing product damage.*

With Rotational Control



Without Rotational Control



## ELECTRONIC ROTATIONAL CONTROL

With Rotational Control



Without Rotational Control



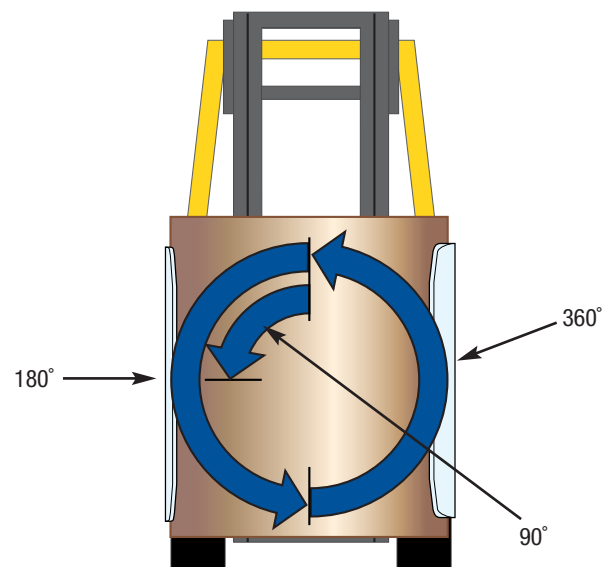
## Precise positioning. Perfect pad placement.

### APPLICATIONS

Automatically allows driver to quickly and precisely pick up and place rolls. By aligning pads with the roll, the Rotational Control helps assure proper pad-to-roll contact and keeps pad edges from digging into the roll. By aligning the roll with the ground or supporting rolls, Electronic Rotational Control eliminates roll edge damage. Won't push bilge rolls away from the clamp due to pad misalignment, and keeps rolls aimed straight during staging at the press or unwinder.

### FEATURES

- Rotation stops at 90°, 180° and 360°.
- Driver can override rotation stop, or rotation stop times out after three seconds, allowing normal control by driver.
- Each stop point is accurate within 1°.
- Each stop point has a deceleration ramp, extending life of rotation mechanism.
- Stop points are electronically controlled; no mechanical hardware to wear out.
- All stops are adjustable.
- Rotation is prevented at each stop by rotation gear mechanism.
- Each stop point can be easily removed for operations that don't require them.



Standard rotational stops shown.

## RETRO FIT INSTALLATION KIT

**Includes:** New motor valve

Wire harnesses

Stop ramps

Electronic junction box

Tap for tapping holes

Requires a power supply ordered separately.

| Model                     | Retro Fit Kit<br>Catalog Order No. |
|---------------------------|------------------------------------|
| 12 Volt—std. single drive | <b>228705</b>                      |
| 24 Volt—std. single drive | <b>228706</b>                      |
| 36 Volt—std. single drive | <b>228707</b>                      |
| 48 Volt—std. single drive | <b>228708</b>                      |

## POWER SUPPLY (One supply required per ERC)

**Includes:** Conduit

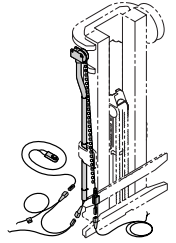
Coiled Cord Assembly

Power Wire Harness

Pigtail Adapter

Normally Open Switch

Hardware for Fastening to Mast and Carriage



For use only on roll clamps with electronic rotational control.

| Mast Max. Fork Height (MFH) | Conductors | Order No.      |
|-----------------------------|------------|----------------|
| 4,216 mm MFH Power Supply   | 2          | <b>6029815</b> |
| 4,800 mm MFH Power Supply   | 2          | <b>6001137</b> |
| 5,537 mm MFH Power Supply   | 2          | <b>6029816</b> |
| 6,096 mm MFH Power Supply   | 2          | <b>228719</b>  |

## OTHER RECOMMENDED DAMAGE REDUCTION OPTIONS

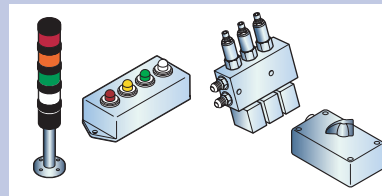
### Clamp Force Indicator



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

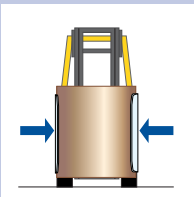
(Paper Roll Clamp version shown.)

### Electronic Pressure Regulator



Allows operator to select proper clamp force with control switch that can be mounted for maximum operator convenience.

### AFC



AFC (Adaptive Force Control) is a computer-controlled clamping system that automatically provides the correct amount of clamp force to securely lift the load without the chance of overclamping.

### Adjustable Bumper



Ensures that smaller rolls are correctly positioned between the pads – not trapped in the arms. Not available on Split-Arm models.

### Swing Frame



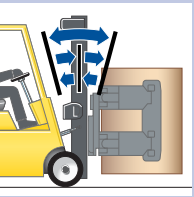
Swing Frame models offer you the optimum in roll handling speed and capability. The lateral 'swing' or sideshifting function adds an extra dimension of flexibility to the clamp's breakout and tight stacking capabilities.

### 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



Two-Way Tilt Control

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

### Load Cushion™



Hoist System Accumulator that absorbs shocks and reduces the clamp force required to handle the load. Available in one-pint and one-quart sizes.