

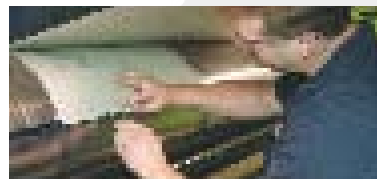
# Printing Plate Lock-Ups & Press Register Systems



## Maximizing press registration quality and reducing running waste

Complete registration solutions from Glunz & Jensen will allow you to maximize press registration quality and reduce running waste. Designed for multiple webs and web reductions and for faster plate up and removal. Glunz & Jensen Press Registration Lock-Ups provide superior plate-to-cylinder holding strength and superior plate-to-plate registration accuracy. Install with new equipment or upgrade from worn or OEM locks for improved performance and reduced waste.

The Lock-Ups are made of noncorrosive hardened metals or stainless steel for high capacity use. Constructed for maximum press registration quality and longevity.



# No-Tool Lock-Ups

No-Tool registration lock-ups are designed for quick and accurate plate up without the use of any special tools. Specialized thruster mechanisms and the centrifugal force of the moving press increases the holding strength of the lock on the plate.

## Narrow Gap / No-Tool Press Registration Lock-Up



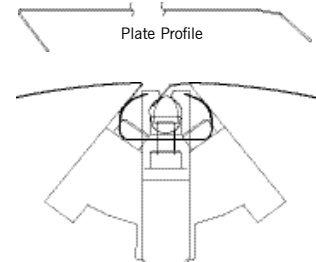
The Glunz & Jensen Narrow Gap / No-Tool is a no-tool, double acting lock-up for presses with cylinder gaps between 24 - 13.5 mm (0.9375 - 0.531") wide.

### Benefits and Features:

- The Glunz & Jensen lock is made of high-strength, all metal parts. Available in stainless steel.
- The filler bar and register are the only customer configured parts. The lock is a standard stock part.
- For quick maintenance or replacement, the lock assembly can be removed while the registration remains stationary. The press does not need to be registered after the locks are replaced.
- Separate lead and trail locking mechanisms ensure positive holding force on the plate to reduce pullout during plate removal for zone changes.
- A high-profile register pin aids in quick and accurate plate installations.
- The lock is web adjustable without drilling and tapping, resulting in faster and easier web reductions.
- This lock is capable of meeting any web width. Custom sizes and multiple web widths available. Contact sales for consultation.

**Typical Press Application:** Goss Headliner, Goss Metro, TKS presses.

**Plate Up Procedure:** The plate is installed between the thruster and the lead edge of the cylinder. The cylinder is jogged to the next position and the trail of the plate is installed between the thruster and lock body. The coil springs apply positive force to hold the trail in place. The centrifugal force on the thruster increases the holding force on the plate as the press speed increases. The narrow gap offers fast, easy plate up with no tools required.



Profile of a cylinder with a Narrow Gap / No-Tool Lock

## Wide Gap / No-Tool Press Registration Lock-Up



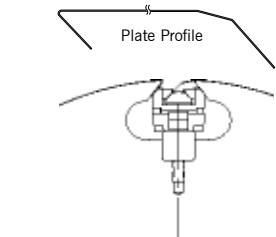
The Glunz & Jensen Wide Gap / No-Tool is a no-tool, double acting lock-up for presses with cylinder gaps between 24.5 - 22.22 mm (1.0 - 0.875") wide.

### Benefits and Features:

- The Glunz & Jensen Wide Gap / No-Tool Press Registration Lock-Up is made of stainless steel and does not require a tool for plate installation.
- Multiple clamps offer multiple web capacity.
- The Glunz & Jensen Wide Gap / No-Tool Press Registration Lock-Up is a double acting lock allowing the plate cylinder to reverse.
- Air hose and periodic light lubrication is the only maintenance required.
- Separate lead and trail locking mechanisms ensure positive hold on the plate to reduce pullout.
- The lock is web adjustable without drilling and tapping, resulting in faster and easier web reductions.
- This lock is capable of meeting any web width. Custom sizes and multiple web widths available. Contact sales for consultation.

**Typical Press Application:** Goss Metro and Wood Hoe presses.

**Plate Up Procedure:** The plate is installed on the lead of the plate cylinder between the gripper arm and lead edge of the cylinder. Coil springs push up on the thruster applying force to the gripper arm that holds the lead of the plate against the lead edge of the cylinder. The trail of the plate is installed between the thruster and the gripper arm, with the coil springs applying force to hold the trail in place. The centrifugal force on the thruster increases the holding force on the plate as the press speed increases, resulting in a positive holding of the plate.



Profile of a cylinder with a Wide Gap / No-Tool Lock

## Mechanical Slot Press Registration Lock-Up



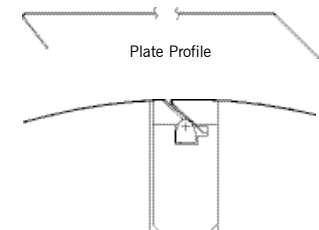
The Slot Lock is a no-tool lock with internal register pins. Both the lead and trail are mounted in a very narrow angled slot.

### Benefits and Features:

- Excellent and economical upgrade from OEM locks and replacements.
- Configured for polyester or aluminum offset plates.
- No tools needed for plate installation.
- Lead and trail of plate are pin registered within the slot. Lock can be set high or low on the press register.
- This lock is capable of meeting any web width. Custom sizes and multiple web widths available. Contact sales for consultation.

**Typical Press Application:** Goss Community - one around, single width wide gap press. Goss Suburban - one around, single width press. Goss Urbanite - two around, single width press. Harris 800 series - two around, single width press. Harris 1600 and 1700 - two around double width press.

**Plate Up Procedure:** The lead edge of the plate is inserted into the lock slot between the edge of the lock and thrusters. The trail of the plate is installed into the slot between the lock body and thrusters. The coil springs apply force to hold the trail and lead in place. The centrifugal force on the thruster increases the holding force on the plate as the press speed increases, resulting in a positive holding of the plate.



Profile of a cylinder with a Slot Lock

# Mechanical Assist or Tooled Lock-Ups

Mechanical registration lock-ups incorporate a special tool to assist in installation and removal of plates from the press cylinders. Torsion spring bars as well as spring clips positively lock both the head and tail of the plate in proper registration while providing the holding strength during the press run.

## CML- NG Narrow Gap Press Registration Lock-Up



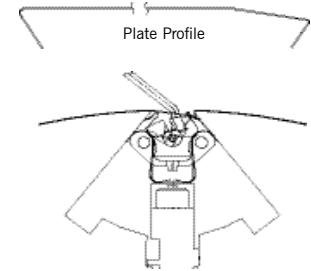
The CML Double Acting Lock allows the plate cylinder to reverse. The CML Double Acting Lock is designed for presses with a slot gap of 13.48 mm (.531"). It also requires a mechanical tool assist for plate installations.

### Benefits and Features:

- A high-profile register pin aids in quick and accurate plate installations.
- Heavy-duty torsion springs provide strong positive plate locking with proper registration.
- Air hose and periodic light lubrication is the only maintenance required.
- Reduced angle ends aid in preventing marking due to stress bends.
- False lead edge can be set high or low on the press registration.
- The lock is web adjustable without drilling and tapping, resulting in faster and easier web reductions.
- This lock is capable of meeting any web width. Custom sizes and multiple web widths available. Contact sales for consultation.

**Typical Press Application:** Goss Headliner, Goss Visa and TKS presses.

**Plate Up Procedure:** The plate is installed between the spring clip and lead edge of the cylinder. The press is jogged to the next plate up position. The cocking tool is then used to open the pin bar, which the trail edge bend of the plate mounts over. The cocking tool is removed from the pin bar allowing the torsional springs to apply the correct tension to the plate.



Profile of a cylinder with a CML Narrow Gap Lock

## CML- DA Double Acting Press Registration Lock-Up



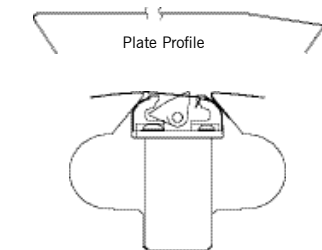
The CML Double Acting Lock allows the plate cylinder to reverse. The CML Double Acting Lock is designed for presses with a lead edge. It also requires a mechanical assist for plate installations.

### Benefits and Features:

- A high-profile register pin aids in quick and accurate plate installations.
- Heavy-duty torsion springs provide strong positive plate locking with proper registration.
- Air hose and periodic light lubrication is the only maintenance required.
- Reduced angle ends aid in preventing marking due to stress bends.
- False lead edge can be set high or low on the press registration.
- The lock is web adjustable without drilling and tapping, resulting in faster and easier web reductions.
- This lock is capable of meeting any web width. Custom sizes and multiple web widths available. Contact sales for consultation.

**Typical Press Application:** Metro, some Colorliner, Cosmo, Headliner and Man Roland presses. Harris 1600 and 1700 - two around, double width press.

**Plate Up Procedure:** The plate is installed between the spring clip and lead edge of the cylinder. The press is jogged to the next plate up position. The cocking tool is then used to open the pin bar, which the trail edge bend of the plate mounts over. The cocking tool is removed from the pin bar allowing the torsional springs to apply the correct tension to the plate.



Profile of a cylinder with a CML Double Acting Lock

## CML-SA Single Acting Press Registration Lock-Up



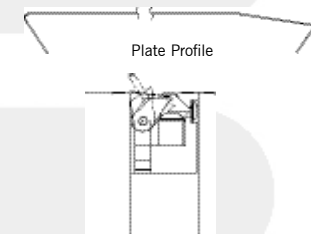
The CML Single Acting Lock is available for presses with a lead edge and for cylinders that require a false-lead edges. The CML-SA uses a mechanical assist for plate installations and for presses running in a single direction.

### Benefits and Features:

- A high-profile register pin aids in quick and accurate plate installations.
- Heavy-duty torsion springs provide strong positive plate locking with proper registration.
- Air hose and periodic light lubrication is the only maintenance required.
- Reduced angle ends aid in preventing marking due to stress bends.
- False-lead edge can be set high or low on the press registration.
- This lock is capable of meeting any web width. Custom sizes and multiple web widths available. Contact sales for consultation.

**Typical Press Application:** Goss Community - one around, single width wide gap press. Goss Community - one around, single width narrow gap (lead edge) press. Goss Suburban - one around, single width press. Goss Urbanite - two around, single width press. Harris 800 series - two around, single width press. Harris 1600 and 1700 - two around, double width press.

**Plate Up Procedure:** The plate lead bend is installed over the lock false-lead edge. The cocking tool opens the spring-loaded pin bar. The trail-edge bend mounts over the pin bar. Once the plate is positively registered the pin bar mechanically locks the trail into place.



Profile of a cylinder with a CML Single Acting Lock

# Magnetic FLE XO Lock-Ups

A lock that uses rare earth magnets to hold the plate to the press. The SuperMag uses the same registration pinholes used by the plate exposure unit.

## SuperMag - Magnetic FLE XO Press Registration Lock-Up



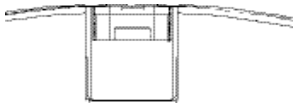
### Benefits and Features:

- Quick and easy plate installation and removal.
- Registers work with the plate's current register pin holes.
- Features rare earth magnets with 40% greater pulling force than other comparable lock systems.
- This lock is capable of meeting any web width. Custom sizes and multiple web widths available. Contact sales for consultation.

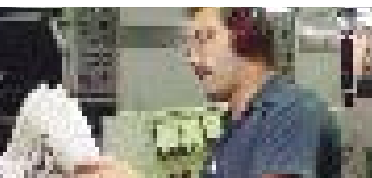
**Press Application:** Man Roland, KBA, PEC, Motter and W&H presses.

**Lock / Plate Installation Profile:** Register holes on each corner of the lead and trail of the steel plate accurately meet register pins on the Flexo lock. Rare earth magnets within the lock provide the holding force for the steel plate. First, the lead of the plate is placed on the lock's register pins and the magnetic force pulls the plate to the lock. Then the trail is placed on the lock in the same fashion.

Flexo Plate Profile



Profile of a cylinder with a SuperMag Lock



## Maximize your CtP investment

From image to plate and plate to press. Now you have one source for all processing and press registration equipment. Glunz & Jensen integrates hardware and applications for the newspaper and printing industry in one seamless production flow, with increased print precision and productivity as your main benefits. Discover the advantages of integrating CtP plate processors, punch/benders and plate handling equipment from the same company.

Glunz & Jensen is the world's leading manufacturer and distributor of graphic arts pre-press processing equipment for offset printing plates and plateline equipment. We offer the widest range of processing equipment available in the graphic industry, and our products are sold globally through a comprehensive network of distributors, dealers and OEM's who include AGFA, Fuji, Heidelberg and Kodak.

Glunz & Jensen A/S is based in Ringsted, Denmark, with manufacturing operations in Denmark, Slovakia and in Indiana, US, plus sales, service and support in the US and around the globe. Glunz & Jensen A/S is certified according to ISO 9001, and our products are designed to meet the requirements of leading international safety boards.

Standard configurations may vary in the market. Specifications are subject to changes without prior notice.

**GLUNZ & JENSEN**   
PRESS REGISTRATION SYSTEMS

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