

EST. 1926

SAUER
SYSTEM

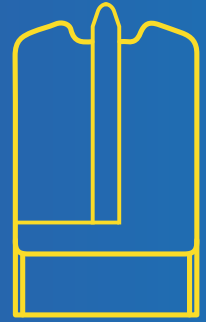
**UPGRADES FOR EVOL
FLEXO FOLDER-GLUERS**

G3 Male Secondary Creasing Rings

Sauer System offers G3 male creasing rings for EVOL 84, EVOL 100, and EVOL 115 flexo folder-glueers that are specifically designed to reduce gap variation and improve folding.



OEM Profile



G3 Profile

Improved Profile Geometry

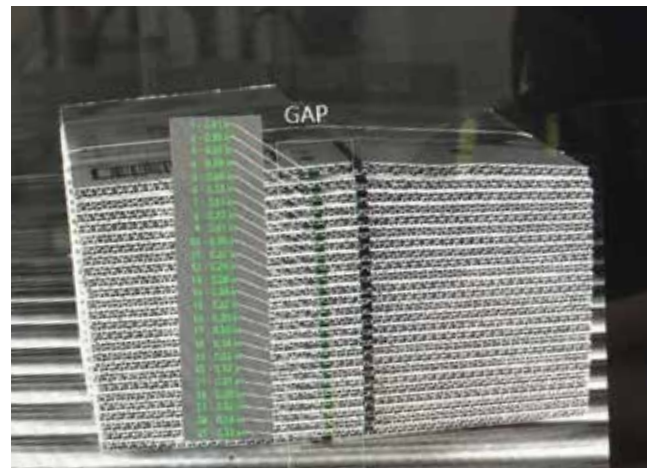
The G3 male profile incorporates geometry that conditions the board and provides relief for the inside liner, encouraging it to tuck into the grooves created between the tapered scoring insert and rounded shoulders.

The result is improved folding, a reduction in gap variation that exceeds manufacturing specifications, and a higher quality finished box.

Head-to-Head Tests

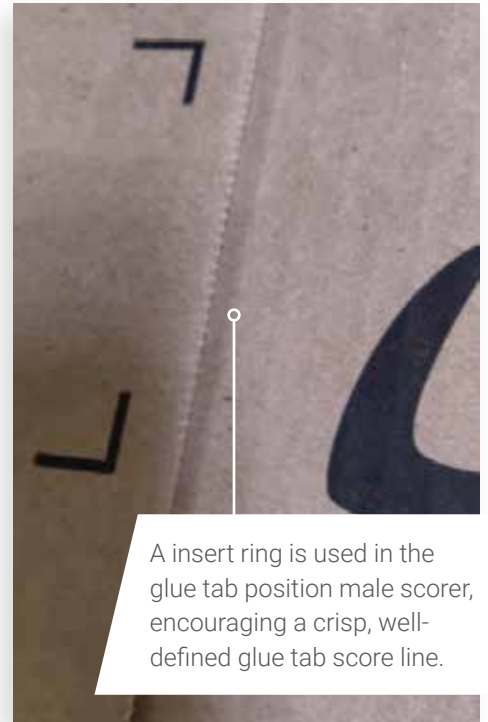
G3 creasing rings have been tested against OEM creasing rings in numerous head-to-head empirical data-driven tests, with other variables held constant. The testing included a wide variety of board grades, from pre-print and heavy liners to heavily recycled board, and spanned a range of EVOL machines vintages, from early vintage EVOL 84 machines to brand new EVOL 115 machines.

In every case, the G3 rings significantly outperformed the OEM rings.



Replaceable Hardened Scoring Inserts

A hallmark benefit of the G3 is the ability to maintain the integrity of the profile by replacing the insert ring that performs the creasing action. In addition, modular inserts allow the end user to customize the profile by tweaking the height and design of the insert.



A insert ring is used in the glue tab position male scorer, encouraging a crisp, well-defined glue tab score line.

G3 Advantages

- Reduced Gap Variation
- Improved Fold Consistency
- Increased Productivity
- Reduced Rolling Scores
- Reduced Liner Fracturing
- Reduced Waste and Rejects
- Lower Cost of Ownership
- Guaranteed Improved Performance over OEM Solution

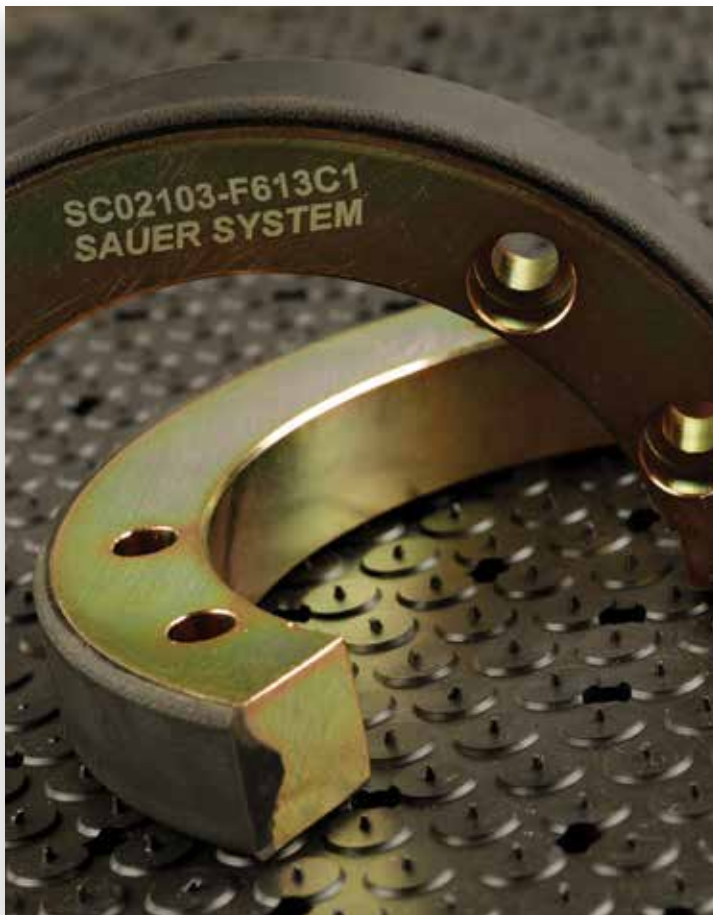


CROSS REFERENCE TABLE

Model	Sauer Part Number	Description	Position	OEM # Reference
EVOL 84	SC01820-M648C3	Secondary Male Creasing Ring - Through Holes	Secondary FR Secondary C Secondary GL	YSE-4429-A YSE-4429-C
	SC01820-M648D3	Secondary Male Creasing Ring - Through Holes		
	SC01821-M648D3	Secondary Male Creasing Ring - Threaded Holes	Secondary GL	YSE-4429-D
EVOL 100	SC01906-M648C3	Secondary Male Creasing Ring - Through Holes	Secondary FR Secondary C	YSE-4020F YSE-4020H
EVOL 115	SC01906-M648D3	Secondary Male Creasing Ring - Through Holes	Secondary GL	YSE-4020S
	SC01907-M648D3	Secondary Male Creasing Ring - Threaded Holes	Secondary GL	YSE-5166G

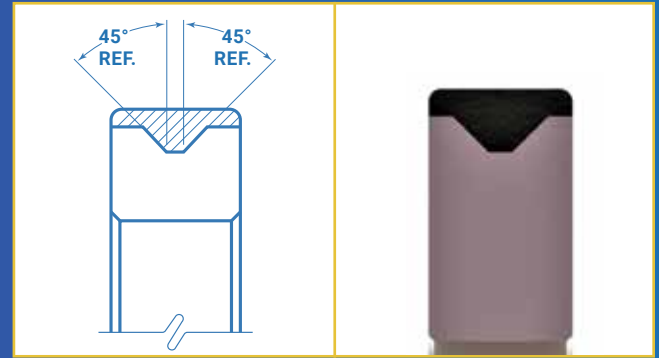
Precision-Ground G3 Female Creasing Rings

Sauer System offers enhanced primary and secondary female creasing rings for EVOL 84, EVOL 100, and EVOL 115 flexo folder-glueers. The Sauer style females have two major advantages over the OEM females.



Precision Grinding Process

Second, Sauer females have their outer diameter precision-ground using a proprietary process. The diameter is held within $\pm .003$ ". This ensures consistency across the shaft, allowing for increased scoring pressure.



Improved Profile Geometry

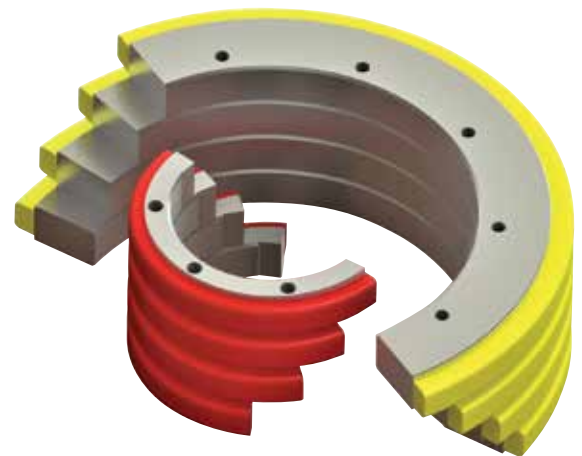
First, the females incorporate a channel style profile that allows the middle of the profile to act softer than the edges, reducing cracking on the score line while maintaining harder polyurethane on the edges for added crush. This also allows for a harder durometer to be used which results in a longer lasting anvil.



Female Rings ▶

Recover Service

Sauer System offers a full “recover” service for EVOL primary and secondary female creasing rings. They can be recovered in any specified durometer and are precision ground to a precise diameter.



CROSS REFERENCE TABLE

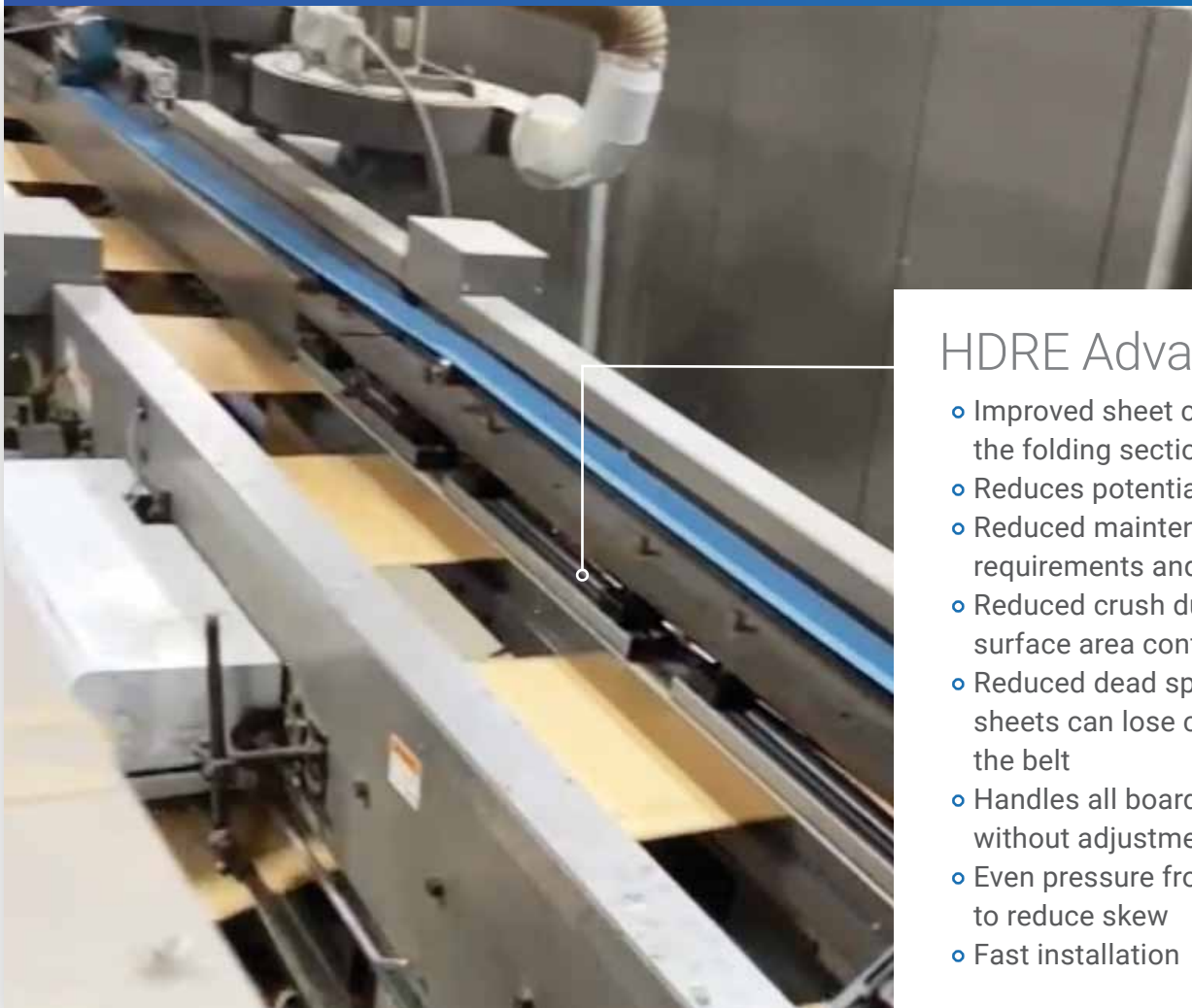
Model	Sauer Part Number	Description	Duro	Position	OEM # Reference
EVOL 84	SC02102-F613C	Secondary Female Creasing Ring - Sauer G3 Style	80	Secondary	YSE-4416-A
	SC01672-F12C(50A)	Secondary Female Creasing Ring - OEM Style	50	Secondary	YSE-4416-A
	SC01673-F12C(70A)	Primary Female Creasing Ring - OEM Style	70	Primary	YSE-4417
EVOL 100	SC02103-F613C1	Secondary Female Creasing Ring - Sauer G3 Style	80	Secondary	62-14822D
	SC01097-F12C(50A)	Secondary Female Creasing Ring - OEM Style	50	Secondary	62-14822D
	SC01096-F12C(70A)	Primary Female Creasing Ring - OEM Style	70	Primary	62-13807K
EVOL 115	SC02221-F613C2	Secondary Female Creasing Ring - Sauer G3 Style	80	Secondary	62-13541E
	SC01752-F12C(50A)	Secondary Female Creasing Ring - OEM Style	50	Secondary	62-13541E
	SC01571-F12C(70A)	Primary Female Creasing Ring - OEM Style	70	Primary	YSE-4021B

Hold-Down Roller Eliminator (HDRE)

EVOL flexo folder-glueers utilize a series of hold-down rollers as the primary means of controlling sheets as they travel through the folding section. Spring-loaded rollers apply downward pressure on the folding belts and sheets as they transition from the die cutter to the counter-ejector. Over time, the rollers wear out and fail at different rates leading to uneven sheet transfer, folding issues, twisting and skewing, and eventually jam-ups. The roller issues create downtime for maintenance and high replacement cost.

Improved concept

Sauer System provides the HDRE: a solution that eliminates the hold-down rollers altogether, instead replacing them with a spring-loaded, self-adjusting assembly.



HDRE Advantages

- Improved sheet control through the folding section
- Reduces potential failure points
- Reduced maintenance requirements and costs
- Reduced crush due to larger surface area contacting the belt
- Reduced dead spots where sheets can lose contact with the belt
- Handles all board grades without adjustment
- Even pressure from side to side to reduce skew
- Fast installation

Hold-Down Roller Eliminator



BEFORE



AFTER



UPGRADES FOR EVOL FLEXO FOLDER-GLUERS



Visit Evol Upgrades
Web Page

www.sauersystem.com

1-800-444-8458 | www.sauersystem.com
3565 Tree Court Industrial Blvd. Saint Louis, MO 63122

EST. 1926
SAUER
SYSTEM