

# Guillotine Drive **vs.** Swingbeam/Rocker Arm Drive

Ask a professional fabricator and they will tell you there is no substitute for an American made, true guillotine drive system when shearing. Lower quality, typically foreign made swingbeam/rocker arm style competitors attempt to compare themselves to a guillotine but all fail. No other shear design can compare when it comes to the power and precision delivered by the straight line cutting action of a Standard shear.

## 4 Crucial Factors to Provide the Most Precise Cut

- (1) Strength of the drive system
- (2) Strength of the frame
- (3) Consistent angle of the upper blade to the work piece throughout the cut
- (4) A heavy duty, high tonnage hold down system to hold work piece

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## Guillotine

The most important factor in providing a precision cut is the manner in which the upper blade cuts through material from the beginning to the end of the cut. A Standard guillotine drive system insures the upper blade comes down in a straight line because the linkage is driven from directly above the workpiece. Throughout the cut the relationship of the upper blade to the material never changes.

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**F**  
**O**  
**R**  
**C**  
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## Swingbeam/Rocker Arm

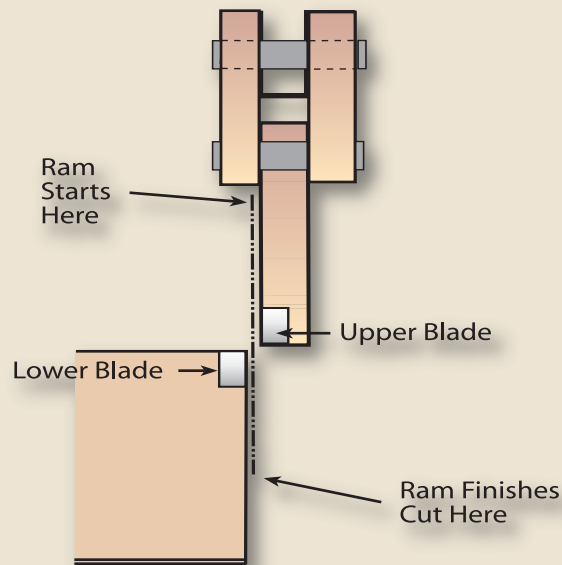
In direction opposition to this, the swingbeam/rocker arm system pivots from the side of the end frames and brings the ram down in an arc or “swing”. This causes the relationship of the top blade to the work piece to change throughout the entire cut. Because the blade comes down in an arc, the cut is distorted throughout the cut.

**R**  
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# For 100% U.S. Performance

## Standard Industrial Guillotine Drive System

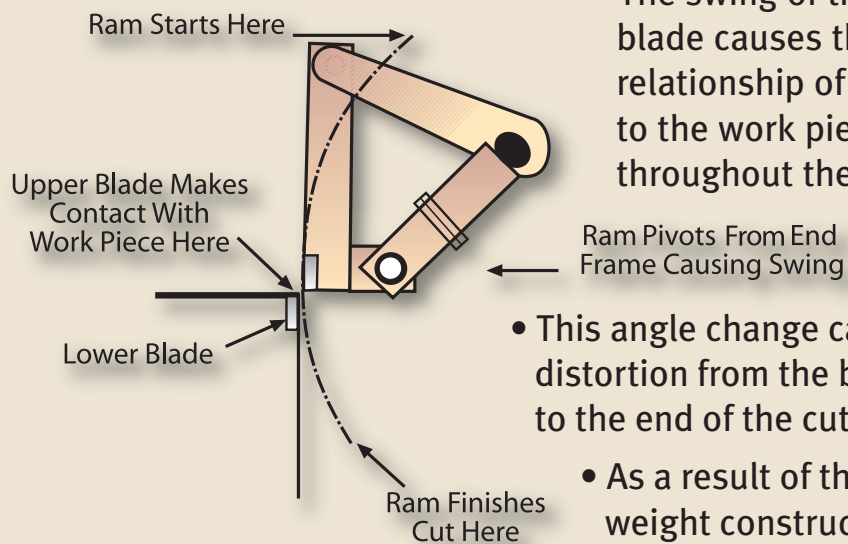
- The relationship of the top blade to the work piece never changes.
- Straight line cutting action
- Due to the rigidity of our system you can shear a very wide range of material with a single blade setting.
- Because of the reliability of our guillotine drive, we are able to provide our unmatched 5 year parts warranty.



- Incredibly heavy duty gibbs control left to right and front to back forces to keep ram in a straight line giving the most precise cut.
- With our guillotine drive, the angle of the cut is consistent throughout the stroke.

## Swingbeam/Rocker Arm Drive System

- If the ram pivots from the end frames, an arc or “swing” is created throughout the stroke.
- Due to their weaker drive system, swingbeams must adjust their blade gap for virtually every material thickness.
- Because the swingbeams pivot points are fixed, they cannot have variable rake adjustments.



- The swing of the upper blade causes the angle or relationship of the top blade to the work piece to change throughout the stroke.
- This angle change causes distortion from the beginning to the end of the cut.
- As a result of their lighter weight construction and less rigid drive system, swingbeams typically only have a 1-2 year warranty.