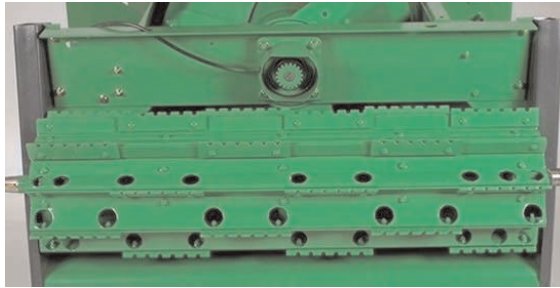


FEEDING COMPONENTS - STS COMBINE

FAST System (Feed Accelerator and Stone Trap)



FAST System

The STS combine incorporates a feed accelerator to move crop material from the feederhouse into the feed section.

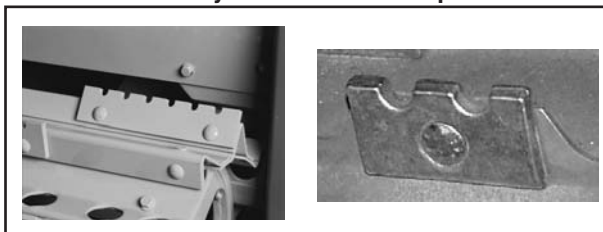
The FAST system is a patented feature of the STS combine. It stands for Feed Accelerator and Stone Trap.

The feeding starts with the FAST system. The 10 wing feed accelerator pulls the crop from the feederhouse into the feed section. The unique geometry of the STS feed ramp, plus auger-type flighting, directs material into the STS module in three paths. This provides uniform crop flow and overcomes the feed problems experienced by conventional rotary designs in difficult feeding conditions. The third small piece on the right is made of stainless steel so it's slick. Therefore, the grain moves faster into the cylinder.

Dual speed drive available to allow customers to match speed to crop conditions. No tools required.

Feed Accelerator Wear Strips

Factory installed wear strips:

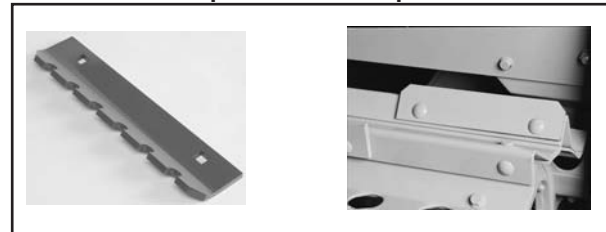


Serrated

Plate

- Standard – all crops
- Rice

Optional wear strips:

Contoured Serrated
(Swept back)

Smooth

- Edible beans
- Food corn only

Single Tine Separator (STS) Combines incorporate a feed accelerator to move the crop material from the feeder house into the feed section of the STS module. The feed accelerator features a 10-wing design with three replaceable wear strips on each wing. The serrated and smooth wear strips can be reversed once to extend the life of the strips.

Failure to reverse or replace worn feed accelerator strips can affect the combine's material handling performance, especially in tough, green-stemmed crops.

The contoured, serrated feed accelerator wear strips have a smooth, contoured back to provide fast yet gentle crop handling while also featuring serrated edges for positive crop movement in crops with heavy vines such as edible beans. The new feed accelerator wear strips are recommended in place of the optional smooth accelerator wear strip attachment because they help provide excellent grain quality without compromising feeding performance in edible beans.

Note: The standard straight serrated wear strips are still the recommended choice to use on the feed accelerator when harvesting in damp or green-stemmed type crops.

Stone Trap – STS Combine



Stone trap protects the STS module area by effectively catching stones before they enter the threshing system.

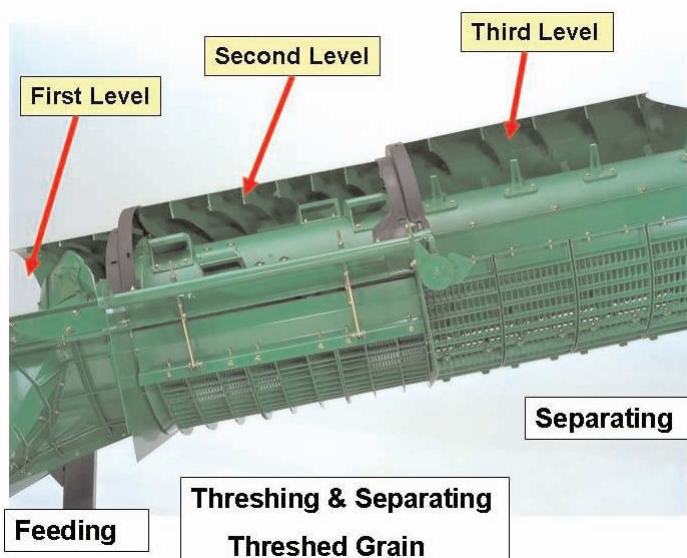
- Remote lever with latch makes clean out fast and easy.
- Trap requires no adjustment.
- Provides worry-free harvesting when cutting close to the ground.

There is an expanded stone trap that is available for the larger STS combines that is field installed only. The bundle number is BH84029. The bundle has a stone trap and two piece floor.

The advantage is that it is a larger opening allowing the potential for capturing stones to be greater than the smaller standard trap. Disadvantage is reduced smooth feeding due to the larger gap the expanded trap provides. This trap is recommended primarily for use in edible beans where the indigestion of stones into the combine tends to be greatest due to how they harvest the beans with a pickup style head.

Reduction on feeding capacity is depended on the crop conditions but generally in the range from 5-15% depending on the condition. Typically a customer will not notice reduce feeding capabilities under 10%. A feed plate cover that reduces the larger gap is available in the bundle to allow better feeding (but less stone protection) when conditions require it.

Rotor and Concave – STS Combine



The single tine-separation module is at the heart of the STS combines. Among the many patented features are: feed accelerator and integrated stone protection (FAST system), unique feed section with auger-type flighting, three-step outer cage, all new threshing pads and proven John Deere tine separation.

The unique geometry of the the STS feed ramp, plus auger-type flighting, directs the material into the STS module in three paths. This TriStream™ feeding provides uniform crop flow and overcomes the feed problems experienced by conventional rotary designs in difficult feeding conditions.