

FALCON

32' / 36' / 42' STRIPPER HEADER

BY  **APPLEQUIST**
MANUFACTURING, INC.

FLY THROUGH HARVEST



www.applequistmfg.com

FALCON

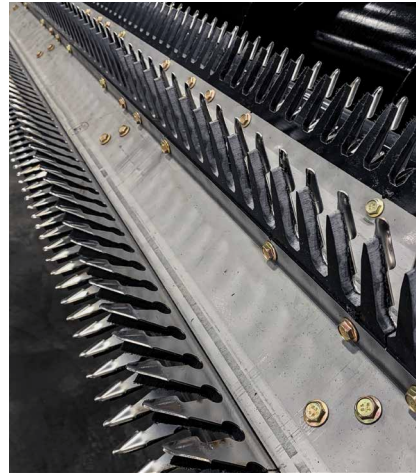
STRIPPER HEADER

Made in rural America, the *Falcon* stripper header by Applequist Manufacturing, Inc. was designed to help you harvest wheat and rice faster, lower your harvest costs and create a better planting environment.

A Different Way to Harvest

The Falcon header doesn't cut the crop being harvested and then feed everything through the machine like traditional headers. Instead, the Falcon uses rows of stainless steel cupped fingers that rotate at a high speed, stripping the head of the crop from the plant stem.

This method of extracting the seeds from the stem greatly reduces the amount of material that is fed into your machine, instantly increasing its operating capacity. With a lower amount of residue to process, your machine can run faster, save you time and labor in the field, minimize combine wear and reduce fuel costs.



Stripper Header Benefits

- + Harvest Faster and Lower Costs**
Less residue going through your combine frees up horsepower, allowing you to operate at a higher speed and save fuel. Less material to process also means less wear and tear on your combine.
- + Start Earlier and Harvest Later in the Day**
By removing only the head from the crop you will no longer be feeding wet straw into your machine, reducing the potential to plug the combine.
- + Save on Labor Costs**
The combination of higher operating speeds and longer cutting hours in a day means your machine can do more with less manpower.
- + Pick Up Downed Crops**
Because of the backwards rotating fingers, the Falcon header is better able to pick up downed crops off of the ground. This is a big advantage in weather damaged crops, where a normal header often is not able to effectively harvest.
- + Improved Planting Environment**
After harvest, the Falcon stripper header leaves behind tall standing straw, which:
 - reduces the loss of top soil to wind erosion by holding the soil in place
 - improves moisture retention by trapping blowing snow in dry wheat production
 - lowers moisture evaporation by shading the soil, and the plant's root structure helps lower moisture loss
 - leaves no matted piles of straw after harvest so you have ideal field conditions to no-till other crops



WHEAT

Our wheat header models are optimized for wheat harvesting conditions.

Spring Mounted:

Wheat models are spring mounted to allow the header to flex in uneven terrain.

Gauge Wheels:

Gauge wheels help guide the header to follow the contours of wheat fields.

Optional Wear Plates:

We offer the option to upgrade skid plates with the AR400 wear plates (page 7).

MODEL #	CUTTING WIDTH
Falcon132W	32'
Falcon136W	36'
Falcon142W	42'

RICE

Our rice header models are optimized to hold up to the high-wear conditions of rice harvest.

Rigid Mounted:

Rice models are rigid mounted for flat terrain.

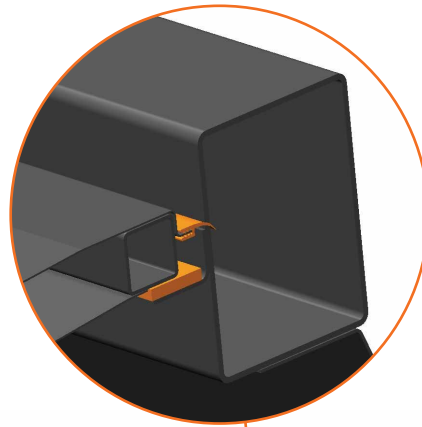
Extended Wear Parts:

- Chromed edges on auger flighting and auger paddles
- Stainless steel wear surfaces on the front & rear hood
- Passive finger mounting, in order to make the stripping of grain less harsh



MODEL #	CUTTING WIDTH
Falcon132R	32'
Falcon136R	36'
Falcon142R	42'

FALCON Features



Double lip seal blocks leaks and supports the rear hood the entire width of the machine



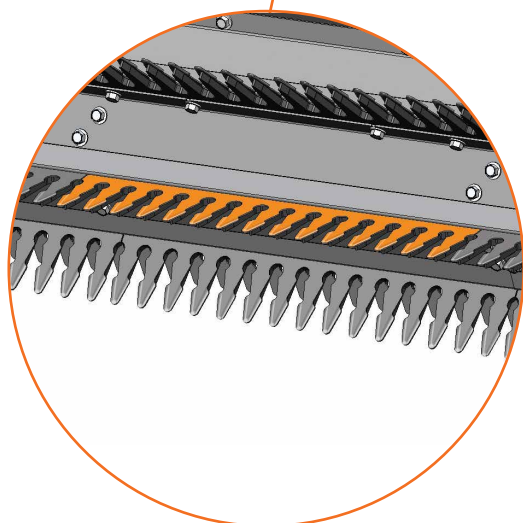
More robust & durable fastening system using heavy hex rivet nuts in place of standard rivet nuts

Split auger makes it easier to adjust and service

Grey color scheme pleasantly blends in with various combine brands using tough rust preventive epoxy primer with weather-resistant automotive quality urethane paint

Headsight-ready Accurately maintain header height control and reduce losses

Quick change fingers Designed with the user in mind, Falcon's patent-pending finger design consist of just one size/pattern section that uses a clever bolt pattern to speed up repairs



Currently hook-up ready for John Deere and Case IH, with more manufacturers coming soon

LED work lights help the user see stripped crop at night for setting the header on the fly

Low profile warning lights keep the Falcon looking good, while providing the necessary safety lighting going down the road

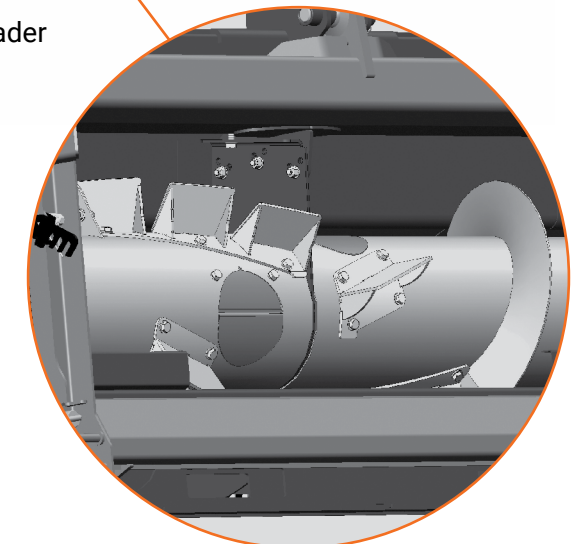


Stainless steel auger pan is a standard feature on all models for long-lasting durability against wear and corrosion

Large clean-out doors across the Falcon's back help with cleaning out the auger belly pan after harvest

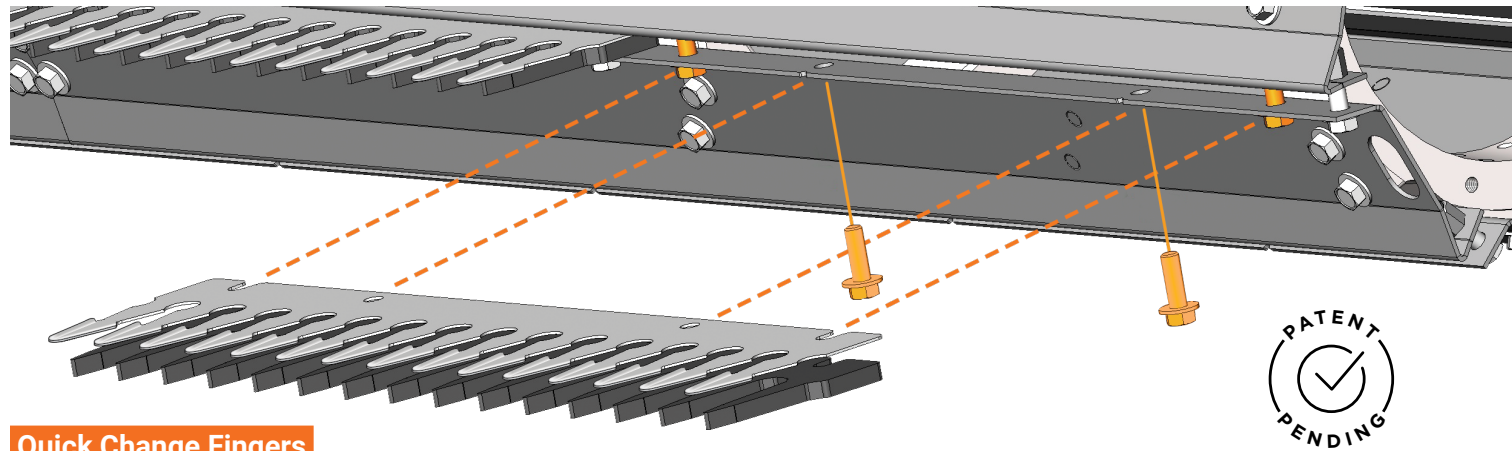
The feeder house adapter is centered, left to right, on the header

Exclusive skid plate profile, designed for durability, allows the Falcon to hug the ground in down crop



Even-feed auger paddles help ensure grain is smoothly fed into feeder house. Standard on all models.

FALCON Benefits

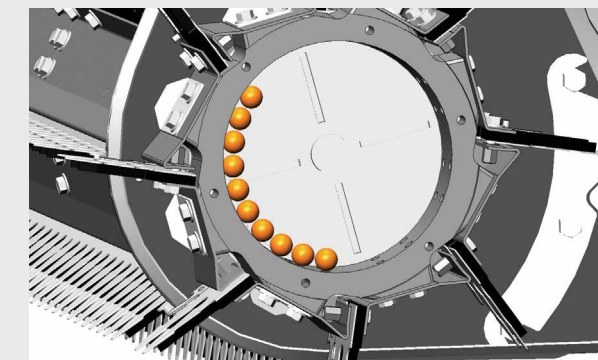


Quick Change Fingers

The Falcon finger sections are designed with the user in mind. The system consists of a single stainless stripper finger section with a poly backer, meaning no need to carry a variety of finger sections on your farm.

The cupped, stainless steel finger sections are backed with a specially formulated synthetic support. Each of these sets are sandwiched together and then easily slid into place. Simply remove the two center bolts, loosen the outer bolts at each end, and remove the damaged section.

Using the outer two bolts as alignment bolts, install the new parts. Easily start the two center bolts, due to the stainless and poly sections being aligned by the outer bolts. Tighten all four bolts. The Falcon is ready to fly in harvest again.



Dynamic Balancing Balls

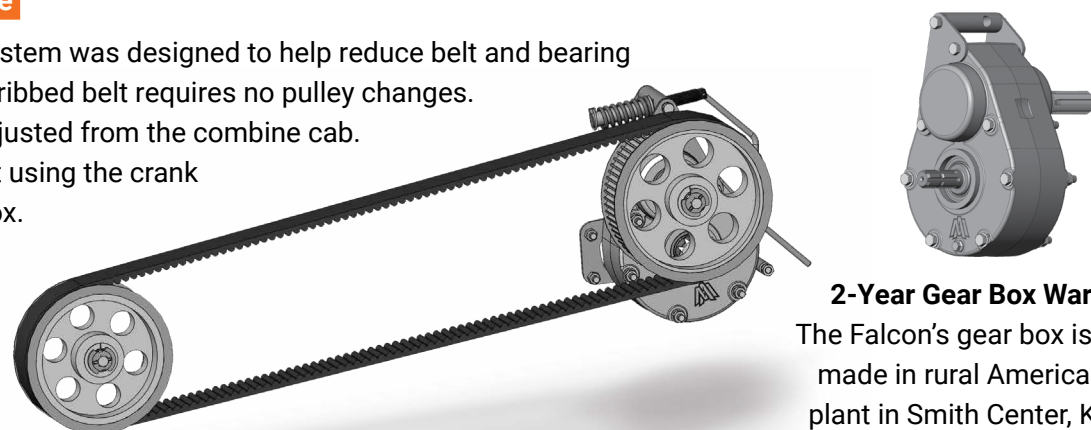
At each end of the stripper reel there are contained 3/4" steel balls that float freely, working continually to keep the reel in balance, greatly reducing machine vibration.



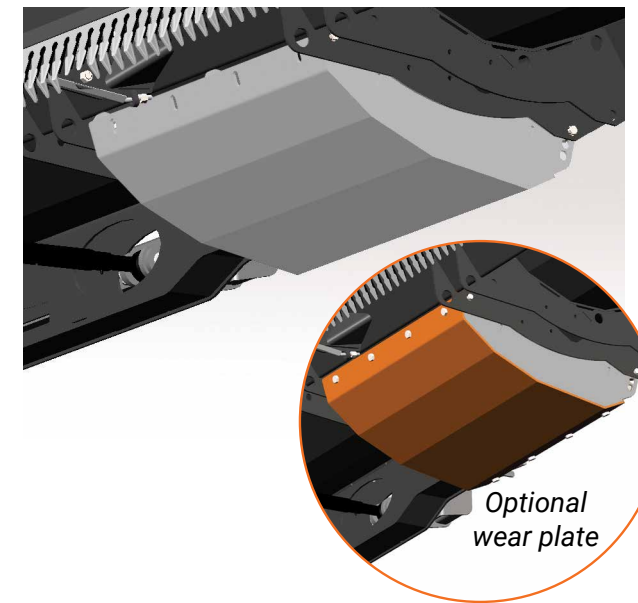
Heavy Duty Drive

Our heavy duty system was designed to help reduce belt and bearing wear issues. The ribbed belt requires no pulley changes. Rotor speed is adjusted from the combine cab. Belt tension is set using the crank above the gear box.

One pulley size
With a wide RPM range: 413-722



2-Year Gear Box Warranty
The Falcon's gear box is proudly made in rural America at our plant in Smith Center, Kansas.



Skid Plate Design

The skid plate design allows the Falcon to get closer to the ground in order to pick up downed crop and protect your header in rough terrain. Maximizing the length and shape of the wear plates in order to make them more effective and longer lasting.

Optional AR400 Wear Plate Attachment

Bolt-on wear-resistant steel plate attachments can be purchased separately for high wear conditions. These accessories increase the lifespan of your skid plates.

Lower Number of Parts

One of the main goals of the Falcon design was to reduce the variety of parts that owners and dealers need to carry for times when repair may be needed.

PART	FALCON
Stainless Steel Finger Section Sizes	1
Poly Backer Finger Section Sizes	1
Bearing Sizes	2
Fastener Sizes*	3
Reel Bolt Sizes	1

*There are a few other fastener sizes used sparingly.

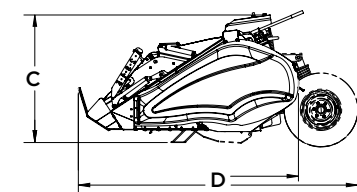
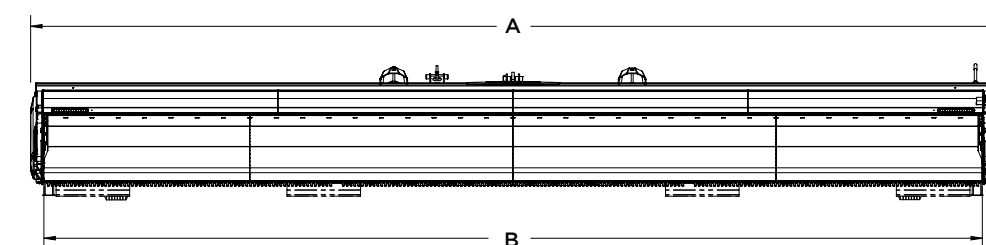


Monitor

Each header comes with a Loup Elite Mini cab monitor which monitors auger and rotor speed.

SPECIFICATIONS

MODEL	Overall Width (A)	Stripping Width (B)	Header Height (C)	Header Depth (D)	Weight (lbs)
Falcon132W	33' 6"	32' 2"	4' 6"	9' 7"	8,725
Falcon136W	37' 6"	36' 2"	4' 6"	9' 7"	9,350
Falcon142W	43' 6"	42'	4' 6"	9' 7"	10,250
Falcon132R	33' 6"	32' 2"	4' 6"	7' 7"	8,725
Falcon136R	37' 6"	36' 2"	4' 6"	7' 7"	9,350
Falcon142R	43' 6"	42'	4' 6"	7' 7"	10,250



About Applequist Manufacturing, Inc.

Roy Applequist, founder of Great Plains Manufacturing, formed Applequist Manufacturing in January of 2019. Drawing on his 50 plus years of experience, he developed the 138,000 ft² plant in Smith Center, Kansas, utilizing the latest manufacturing technology capable of producing a broad range of agricultural equipment.

"It's the people that make the difference!"

Any enterprise is only successful if it can develop a strong, capable and dedicated team. At Applequist Mfg., we have been blessed with an exceptional team, who are dedicated to delivering great products with outstanding service to our customers.

Applequist Manufacturing aims to provide a great workplace for its employees and play a leading role in developing strong rural communities.



PLANT

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OUR COMPANY GOALS

To build quality products, on time,
that delight our customers.

To pursue ever improving efficiencies
and always seek innovative ideas.

To be an interesting and rewarding place to work.

To generate profits for stability and growth.



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