



Kuhns Hay Accumulators LLC

Innovation in Small Square Bale Handling



A Solution for Small Square Bales

In the past 40 years, hay handling methods have changed dramatically. Much hay production has moved from using labor-intensive small square bales to large round or square bales moved with machinery. While farms have become larger and fewer, the demand for small square bales has increased dramatically.

The customer that uses small square bales is a busy professional who needs a supplier that understands his or her hay needs. These needs often include curing and off-site storage. This increases the labor intensity of the hay producer, demanding a better bale handling system. The Kuhns accumulator system is designed to help farmers maximize their time and minimize the labor for small square bales. In today's market, bale size requirements vary greatly. Developed on our farm with that in mind, the Kuhns Accumulators can



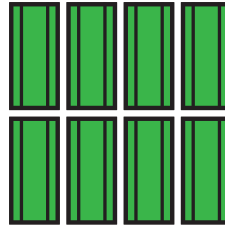
easily handle 35 to 80 lb bales, 32 to 48 inches long, allowing production of the size bale that best fits your operation. Owners of the Kuhns system have operations ranging from 1,000 to 130,000 bales per year.

The Kuhns Hay Accumulator system uses gravity and a simple mechanical system to efficiently arrange the bales into a group that is then left in the field. A Kuhns Grabber or Tie-Grabber mounted on a front end loader or skid steer can pick up the bales and load them onto a waiting truck or wagon. The groups can then be stacked in the barn with a grabber without the operator ever needing to touch a bale.

Whether you are producing hay to market and sell, or for your own livestock, the Kuhns accumulator is an economical solution to minimize the labor in small square bale handling. With seven models available, the choice is yours.

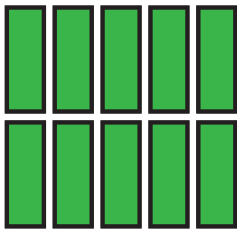


Bale Group Sizes



8 Bale Flat Group

- 14 x 18" and 16 x 18" bales
- 32 - 48" long bales
- 72" wide by 64 - 96" long



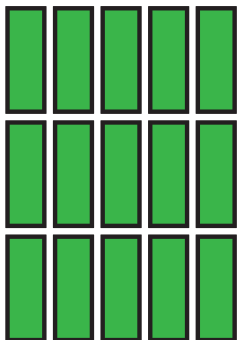
10 Bale Edge Group

- 14 x 18" bales
- 32 - 44" long bales
- 70" wide by 64 - 96" long



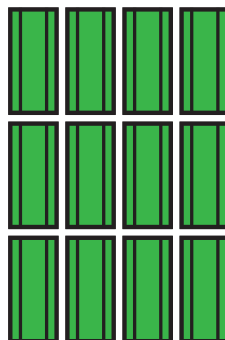
10 Bale Flat Group

- 14 x 18" and 16 x 18" bales
- 32 - 38" long bales
- 64 - 76" wide by 82 - 94" long



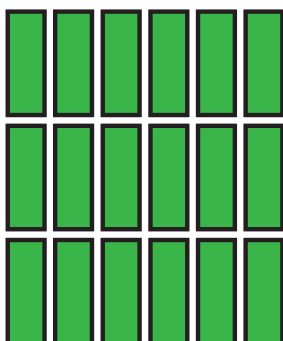
15 Bale Edge Group

- 14 x 18" bales
- 32 - 44" long bales
- 70" wide by 96 - 132" long



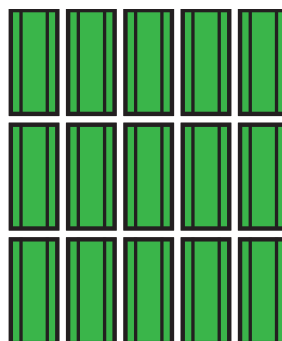
12 Bale Flat Group

- 14 x 18" and 16 x 18" bales
- 32 - 44" long bales
- 72" wide by 96 - 132" long



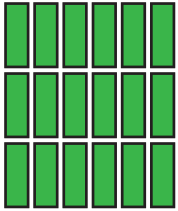
18 Bale Edge Group

- 14 x 18" bales
- 32 - 44" long bales
- 84" wide by 96 - 132" long



15 Bale Flat Group

- 14 x 18" and 16 x 18" bales
- 32 - 44" long bales
- 90" wide by 96 - 132" long



18 Bale Edge



Model	Shipping Dimensions	Working Dimensions	Weight
1834 Accumulator	25'4L x 9'6"W x 4'2"H	24'L x 9'6"W x 12'6"H	2500 lbs
KN618 Tie-Grabber	109"L x 95"W x 30"H	95"L x 89"W	1540 lbs
618 Grabber	105"L x 89"W x 22"H	95"L x 89"W	840 lbs

Features

- Handles 14 x 18" bales 32 - 44" long at whatever density is needed, with no adjustments.
- Our largest model.
- Good for filling van trailers from the rear.
- Group dimensions are 84" wide by 96 - 132" long.
- This bale arrangement allows you to completely fill your 9' x 24' wagon.
- The 18 bale group has a 17% time savings advantage over the 15 bale, as the grab contains 20% more bales, it reduces the number of packs by 17%.

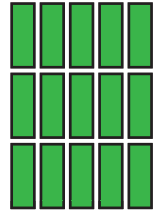
KN618 Tie-Grabber and 618 Grabber

- The KN618 and 618 pick up the bales 6 wide and 3 long on edge using 36 teeth on 6 bars.
- It handles 14 x 18" bales 32 - 36" long with no adjustments. An extended version is available for bales longer than 36"
- Weight Requirements
 KN618: 2600 lb lift capacity
 618: 2200 lb lift capacity

18 Bale Edge webpage



15 Bale Edge



Model	Shipping Dimensions	Working Dimensions	Weight
1534 Accumulator	22'8"L x 7'11"W x 4'2"H	20'L x 7'11"W x 11'8"H	2300 lbs
KN615 Tie-Grabber	109"L x 78"W x 30"H	95"L x 72"W	1480 lbs
615 Grabber	105"L x 72"W x 22"H	95"L x 72"W	780 lbs

Features

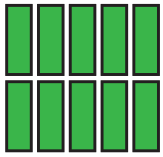
- Handles 14 x 18" bales 32 - 44" long at whatever density is needed, with no adjustments.
- Group dimensions are 70" wide by 96 - 132" long.
- This bale arrangement allows you to completely fill your 9'x20' wagon.
- The 15 bale pack has a 33% time savings advantage over the 10 bale as the grab contains 50% more bales, it reduces the number of packs by 33%.

KN615 Tie-Grabber and 615 Grabber

- The KN615 and 615 pick up the bales 5 wide and 3 long on edge using 30 teeth on 6 bars.
- It handles 14x18" bales 32" - 36" long with no adjustments. An extended version is available for bales longer than 36"
- Weight Requirements
 KN615: 2400 lb lift capacity
 615: 1900 lb lift capacity

15 Bale Edge webpage





10 Bale Edge



Model	Shipping Dimensions	Working Dimensions	Weight
1034 Accumulator	21'4L x 7'11"W x 4'2"H	22'4"L x 7'11"W x 10'1"H	2000 lbs
KN510 Tie-Grabber	86"L x 78"W x 30"H	72"L x 72"W	1380 lbs
510 Grabber	82"L x 72"W x 22"H	72"L x 72"W	680 lbs

Features

- Handles 14 x 18" bales 32 - 48" long at whatever density is needed, with no adjustments.
- Group dimensions are 70" wide by 64 - 96" long.
- The 1034 accumulator is well suited for small farms.
- The low weight requirement for the grabber allows for the use of a smaller loader.
- If your bales are 36" long, you can cross stack the bales with the KN510 or 510 grabber.

KN510 Tie-Grabber and 510 Grabber

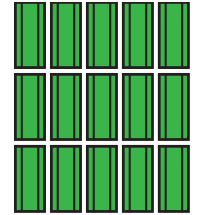
- The KN510 and 510 pick up the bales 5 wide and 2 long on edge using 25 teeth on 5 bars.
- The 1034 bale group can be picked up from any side of the group with the 510 grabber.
- Handles 14 x 18" bales 32 - 36" long with no adjustments. An extended version is available for bales longer than 36"

- Weight Requirements
 KN510: 1800 lb lift capacity
 510: 1500 lb lift capacity

10 Bale Edge webpage



15 Bale Flat



Model	Shipping Dimensions	Working Dimensions	Weight
1534F Accumulator	24'L x 9'6"W x 3'10"H	25'2"L x 9'6"W x 11'6"H	2300 lbs
KN615F Tie-Grabber	109"L x 95"W x 30"H	95"L x 89"W	1515 lbs
615F Grabber	105"L x 89"W x 22"H	95"L x 89"W	815 lbs

Features

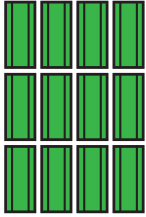
- Handles 14 x 18" and 16 x 18" bales 32 - 44" long at whatever density is needed, with no adjustments.
- Our largest configuration for bales on their strings.
- Group dimensions are 90" wide by 96 - 132" long.
- Same size bale group footprint as 18 Edge bale group.
- Configuration can be used to fill van trailers from the rear.
- Fills a 24' wagon nicely.

KN615F Tie-Grabber and 615F Grabber

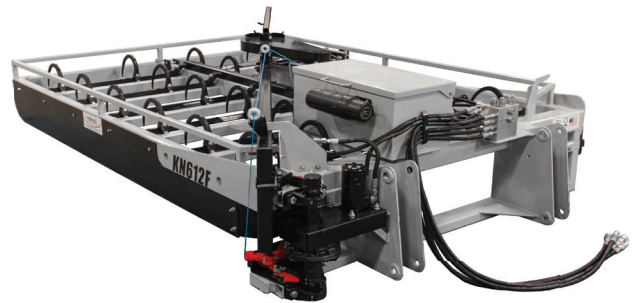
- The KN615F and 615F pick up the bales 5 wide and 3 long on their strings using 30 teeth on 6 bars.
- Handles 14 x 18" and 16 x 18" bales 32 - 36" long with no adjustments. An extended version is available for bales longer than 36"
- Weight Requirements
KN615F: 2500 lb lift capacity
615F: 2100 lb lift capacity

15 Bale Flat webpage





12 Bale Flat



Model	Shipping Dimensions	Working Dimensions	Weight
1234F Accumulator	22'7"L x 7'11" W x 3'10"H	22'11"L x 7'11"W x 11'4"H	2100 lbs
KN612F Tie-Grabber	109"L x 78"W x 30"H	95"L x 72"W	1460 lbs
612F Grabber	105"L x 72"W x 22"H	95"L x 72"W	760 lbs

Features

- Handles 14 x 18" and 16 x 18" bales 32" - 44" long at whatever density is needed, with no adjustments.
- A popular choice for the models that put the bales on their strings.
- Same size bale group footprint as 15 Edge bale group.
- Group dimensions are 72" wide by 96 - 132" long.
- This configuration fills a 20' wagon nicely.

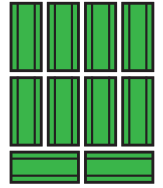
KN612F Tie-Grabber and 612F Grabber

- The KN612F and 612F pick up the bales 4 wide and 3 long on their strings using 24 teeth on 6 bars.
- Handles 14 x 18" and 16 x 18" bales 32 - 36" long with no adjustments. An extended version is available for bales longer than 36"
- Weight Requirements
 KN612F: 2300 lb lift capacity
 612F: 1800 lb lift capacity

12 Bale Flat webpage



10 Bale Flat



Model	Shipping Dimensions	Working Dimensions	Weight
1036F Accumulator	22'7"L x 8'4"W x 3'10"H	23'2"L x 8'4"W x 10'3"H	2000 lbs
KN510F Tie-Grabber	104"L x 78"W x 30"H	90"L x 72"W	1440 lbs
510F Grabber	100"L x 72"W x 22"H	90"L x 72"W	740 lbs

Features

- Handles 14 x 18" and 16 x 18" bales 32" - 38" long at whatever density is needed, with no adjustments.
- Our most popular accumulator.
- The 10 bale accumulator is well suited for small farms.
- The tie row allows for cross-stacking with the KN510F or 510F, making a more stable load on the wagon or truck.
- Group dimensions are 64 - 76" wide by 82 - 94" long.
- The 2 1/2 bale length fills a 7.5 ft wagon from one side to the other.

KN510F Tie-Grabber and 510F Grabber

- The KN510F and 510F pick up the bales on their strings 4 wide and 2 long, plus a tie row with 2 bales turned sideways, using 22 teeth on 5 bars.
- Handles 14 x 18" and 16 x 18" bales 32 - 36" long with no adjustments. An extended version is available for bales longer than 36"
- Weight Requirements
KN510F: 1900 lb lift capacity
510F: 1700 lb lift capacity

10 Bale Flat webpage





8 Bale Flat



Model	Shipping Dimensions	Working Dimensions	Weight
834F Accumulator	21'4L x 7'11"W x 3'10"H	21'9"L x 7'11"W x 9'9"H	1800 lbs
KN408F Tie-Grabber	86"L x 78"W x 30"H	72"L x 72"W	1280 lbs
408F Grabber	82"L x 72"W x 22"H	72"L x 72"W	580 lbs

Features

- Handles 14 x 18" and 16 x 18" bales 32" - 48" long at whatever density is needed, with no adjustments.
- Our smallest accumulator.
- The 8 bale accumulator is excellent for small farms.
- Group dimensions are 72" wide by 64 - 96" long.
- If your bales are 36" long, you can cross stack the bales with the 408F grabber.

KN408F Tie-Grabber and 408F Grabber

- The KN408F and 408F pick up the bales 4 wide and 2 long on their strings using 16 teeth on 4 bars.
- Handles 14 x 18" and 16 x 18" bales 32 - 36" long with no adjustments. An extended version is available for bales longer than 36"
- Weight Requirements
 KN408F: 1700 lb lift capacity
 408F: 1400 lb lift capacity

8 Bale Flat webpage



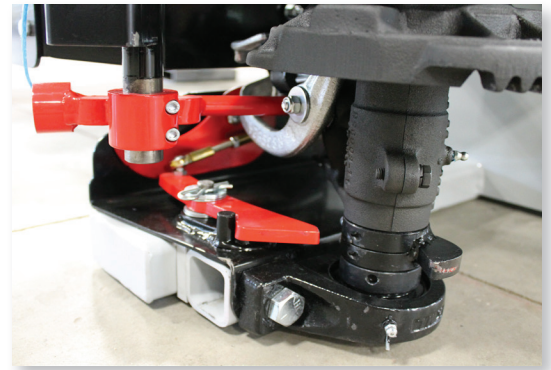
Kuhns Mfg Tie-Grabber

How it Works

The primary hydraulic circuit operates the bale squeeze and the bale hooks. When activated, the squeeze bar pulls the bales in. A sequence valve then automatically activates the bale hooks. The secondary hydraulic circuit operates the twine arm and the knoter. The twine arm starts on the right hand side, and when it completes its rotation, a valve automatically diverts the flow to the knoter.

In Detail

With the squeeze arm out and the twine arm on the right side of the Tie-Grabber, the operator will align the left side of the Tie-Grabber with the left side of the group of bales on the ground and push the group forward to compact the group. The angle of the squeeze arm will pull the bales in as it moves forward. When the bales are compacted length wise, the operator will activate the primary hydraulic circuit. This will pull the squeeze arm in, compacting the bales sideways. The bale hooks will automatically begin to set, so the operator needs to make sure the Tie-Grabber is firmly set on the group so the hooks can set properly. With the bales properly secured, the operator can safely lift and move the group.

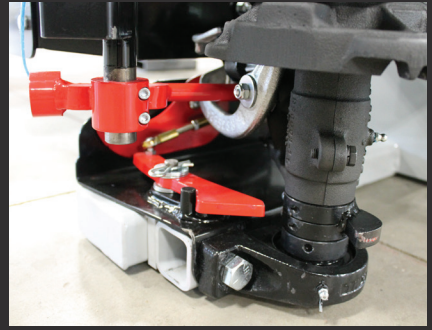
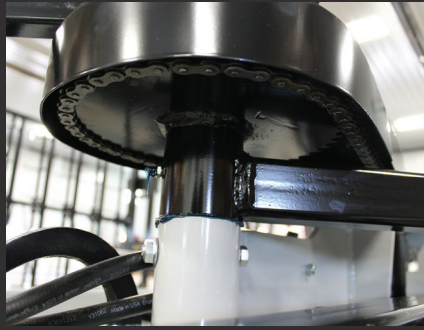


While traveling with the loaded Tie-Grabber, the operator will activate the secondary hydraulic circuit. The twine arm then rotates to the left side for the twine to be tied securely with the Raspe™ knoter. When that is finished, the hay is ready to be deposited. When traveling to the next group the operator can return the twine arm to the right hand side.



“Being a one person haymaking operation, the Kuhns bale accumulator system has enabled me to more than triple my cash in square bale production. Before I purchased my Kuhns, I was ready to stop all square baling due to labor requirements. I can now basically fill my barn and seldom ever touch a bale by hand. The system is simple, reliable, and low cost compared to other brands on the market. The Tie-Grabber completes the system nicely as it saves valuable time when loading, hauling, and unloading trailers. I would have no hesitation in recommending this system to anyone who is looking to increase their productivity and profit with less labor required.”

Steve - Orange, VA



Simple. Efficient. Dependable.

www.kuhnsmfg.com



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