KRONE

THE POWER OF GREEN

Bellima

Round balers

Bellima

KRONE round balers

- The fixed chamber baler with simple design
- Low dead weight
- Net and/or twine wrapping
- Chain-and-slat elevator for smooth & efficient operation
- The enclosed bale chamber minimizes fragmentation

- Elevator slats mesh with the crop for effective bale roll
- The mechanical rear door saves the hydraulic system
- Versatile machine for all types of crop
- Simple, low-maintenance design

Buying a Bellima means tapping into KRONE's vast experience and expertise gained in decades of baler manufacturing.
Our round balers operate around the world and have proven excellently in a wide variety of conditions.
In addition to producing high-density bales, Bellima is extremely robust, simple by design and perfectly specified for great reliability.

The KRONE **pick-up**

on Bellima F 125

- Clean gathering of the material
- Precise working height adjustment
- Continuous crop flow
- Quieter running
- Heavy-duty design

The KRONE round baler Bellima has a compact pick-up.
Small in diameter and operating near the bale chamber, the pick-up has four rows of tines and an adjustable press roller for high-efficiency operation, feeding even short and wet crops in a consistent flow into the chamber, which is the first step in the production of uniform bales. The work depth is set by refitting a pin. Contouring is provided by height-adjustable gauge wheels

The pick-up on Bellima F 125
The pick-up on Bellima F 125 offers a 1.40 m (4'7") work width (to DIN 11220) and hydraulic operation and height control. The small space between the pick-up and the bale chamber ensures an optimum crop gathering and a consistent flow of the material into the machine.

The guide wheels
The gauge wheels adjust infinitely variably to the desired work depth to assure clean rakes. Pneumatic tyres give excellent and smooth running.


1

The press roller
Bellima F 125 features an adjustable crop guard, which ensures a continuous flow of crop into the chamber, which is important when picking up large and uneven swaths.


2

Work depth control
The minimum pick-up height on machines without gauge wheels is set simply by refitting a pin at the front.


3

Four rows of tines
Four rows of tines spaced at 68 mm (2.7") give cleanest rakes and pick up even short haulms.

The KRONE **pick-up with packers**

on Bellima F 130

- Ideal 1.80 m (5'11") work width for biggest swaths
- Packers ensure a consistent crop flow
- Augers on the sides optimize the material flow
- Pneumatic gauge wheels provide quiet running

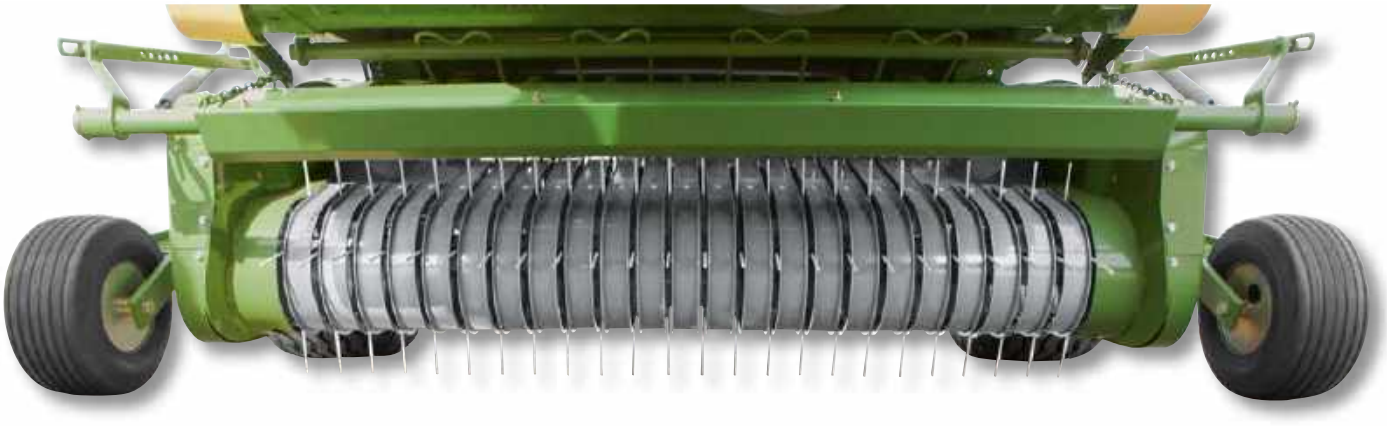
The extra wide pick-up with packer is standard specification on Bellima F 130. Arranged close to the tines and to the starter roller inside the bale chamber, the packer tines ensure a consistent flow of the crop even in short chops, boosting intake capacity and productivity.

The packer
The packer supports the pick-up and improves the material flow from the pick-up to the starter roller plus ensures the chamber is filled uniformly.

Controlling the work height
The work height is altered by raising/lowering the tractor's link arms. The work height is altered infinitely variably by re-fitting a pin on each gauge wheel which restricts the depth on rough and rutted land.

The baffle plate
The standard baffle plate is adjusted to height by adjusting the chain length. An accurate adjustment is important for loss-free pick-up of short stems.

The feed augers
Massive augers feed the material from the sides to the middle of the machine, ensuring a smooth flow from the wide pick-up into the narrow bale chamber.



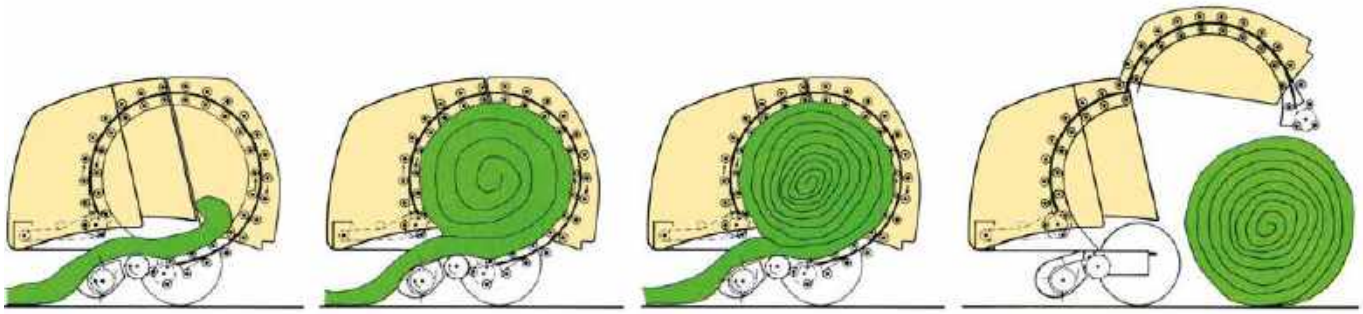
The pick-up with packers

Collecting material in awkward fields, curved lines, on slopes and from wide swaths often asks for a wider pick-up with a special crop feeding feature. Offering a working width of as much as 1.80 m (5'11") to DIN 11220, the round baler KRONE Bellima F 130 is the machine to suit.

The KRONE **chain-and-slat elevator**

- Consistent 1.20 m (3'11") bale diameters
- Effective bale roll, no stops, less fragmentation
- Low power input
- Simple design with only one drive chain

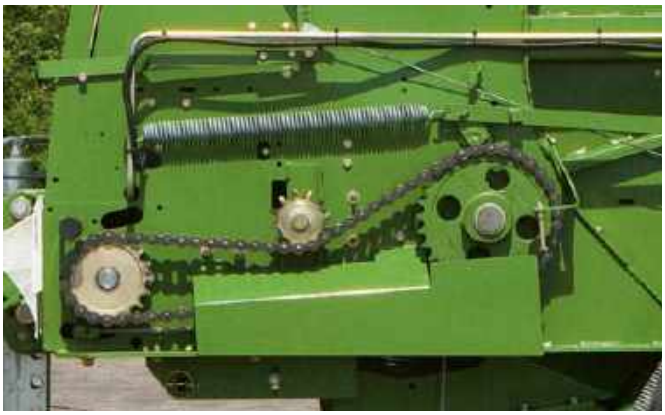
The concept of the chain-and-slat elevator has proven extremely well in silage, hay and straw harvesting around the world. The endless chain-and-slat elevator forms bales of extremely high densities, exerting a firm grip on the bale and ensuring a constant roll – even in short and dry material Another advantage is reduced fragmentation and low power input.



The bale chamber
The enclosed bale chamber with the endless chain-and-slat elevator on Bellima rolls the bale by adding layer after layer, forming densely packed and well-shaped bales. The machine's great feeding properties allow the elevator to start bale rolls earlier and so the baling cycle finishes earlier as well. Another boon is the denser core. Packing more material and density into each bale translates into higher-quality silage and better exploitation of truck capacities.

The chain-and-slat elevator
The chain-and-slat elevator has proven extremely well in the most versatile conditions around the world. The solid round steel bars and the chains are designed to cope with the highest loads and strains.

The driveline
We have nothing to hide. No large number of drive chains and sprocket wheels! The simple and uncluttered design makes for minimum service and maintenance and results in maximum longevity.

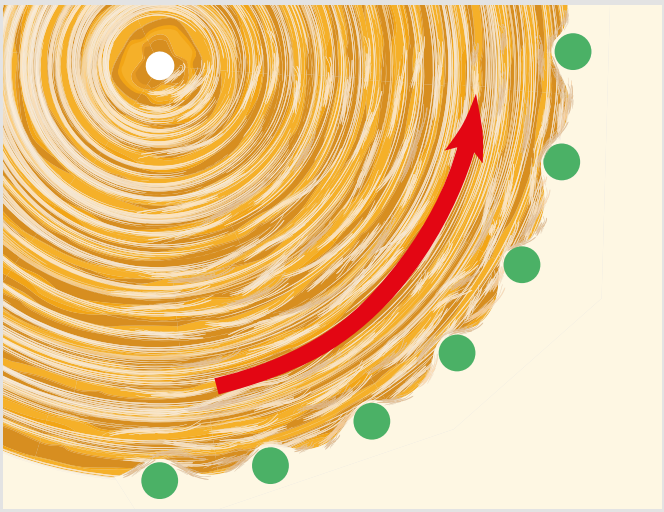


The drive chains
The chain-and-slat elevator is driven by only one chain, a design that reduces tractor input and makes Bellima even more reliable.

The KRONE **chain-and-slat elevator**

- Best baling results in hay, straw and haylage
- Effective bale starts with meshing effect

round balers harvest straw, hay and wilted silage around the world in a wide variety of conditions that require full operational reliability in brittle straw and hay after long periods of drought or varying moisture levels in wilted forage or wet silage altogether, all of which can be aggravated by stickiness in sugary crops.



The meshing effect
By meshing with the material, the chain-and-slat elevator ensures effective bale roll and highest densities.

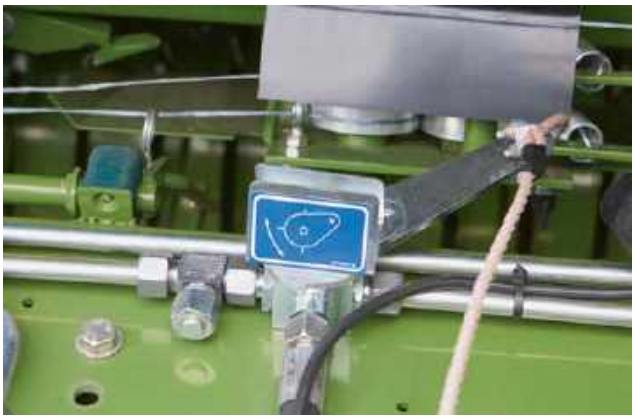
The elevator tensioner
The device tensions the chain-and-slat elevator automatically with springs ensuring proper chain tension, a longer service life and better safety.

For all types of crop
The chain-and-slat elevator performs most reliably in haylage, straw and hay, meeting all demands our customers make on the machine. By meshing with the material, it ensures effective bale roll and highest densities and still is gentle on the crop.

Bellima – further technical details

The drawbar with height control system
The drawbar height is set on a pin and hole system – straightforward and fast. You can turn the drawbar for either top or bottom attachment.

The driveline
The main gearbox (540 rpm) is arranged centrally. Here, the incoming power is split and sent on to either side, a design that cuts down on driveline lengths and optimizes the power flow to the pick-up and the chain-and-slat elevator.



The hydraulic system
A single-acting coupler is standard specification on the Bellima. The reversing valve operates the pick-up or the rear door.

The baling pressure indicator
Baling pressure indicators on either side of the machine show the current loading inside the chamber so the operator can correct his steering and ensure the chamber is filled uniformly – for uniform bale densities and shapes.

The electric target baling pressure indicator
An audible / LED alarm is available as an option to indicate acoustically and visually when the baling pressure is right so the operator can trigger the twine wrapping cycle.

The rear door
The rear door is opened and closed by single-acting rams. It is locked mechanically, reducing strain on the hydraulic system and increasing safety.

The starter roller
The profiled starter roller takes care of an instant bale start, optimizes the entire process and takes load off the rear door, which is ideal when baling heavy silage bales.

The bale ejector
The bale ejector with integral tray ejects the bale fast and effectively.It allows the baler to start the next baling cycle while the tailgate is still closing. This small detail allows you to bale up to six extra bales per hour!

The KRONE **double twine tying system**

- Two threads cut down on the wrapping cycle
- Well-shaped bales as tying starts / ends in the middle of the bale
- Selectable thread spacing
- Very easy-to-use system

A twin twine tying system cuts down on machine downtime, increases output per hour, saves on fuel and labour cost and increases your output and productivity. The KRONE twin twine tying system places the twine ends in the middle of the bale and not on the edges. So the bales will not lose shape as they are handled several times over.

Applying twine, net and peripheral film
A coned pulley controls the number of twine layers applied per cycle. Two threads run through drivers from the centre to either side and back to the centre of the chamber where they are cut at the end of the tying cycle. Tying is triggered hydraulically, electrically or mechanically.

The twine box
The twine box stores up to six balls of twine. Refills are quick and easy. The twine balls are secured by a retainer.

The electric twine starter
The electric twine starter triggers the twin twine wrapping feature on a touch of button. The system also starts the guide rolls that feed the threads to the bale chamber.

The hydraulic twine starter
The hydraulic twine starter is a convenient option to the electric starter and allows operators to trigger both twine wrapping and twine/net wrapping from the tractor cab.

KRONE **net wrapping**

- Short baling cycles for more bales per hour
- Bales break up quickly and easily in animal buildings
- Effective start of the wrapping cycle, short feed distances

The net wrapping system is straightforward by design and offers superior functionality. Net wrapping is faster than twine tying so boosting your hourly throughputs. Higher throughputs free up time for other jobs and cut fuel consumption per bale. The net wrap system accepts KRONE excellent net rolls with a total net length of up to 3,000 m (11,811').

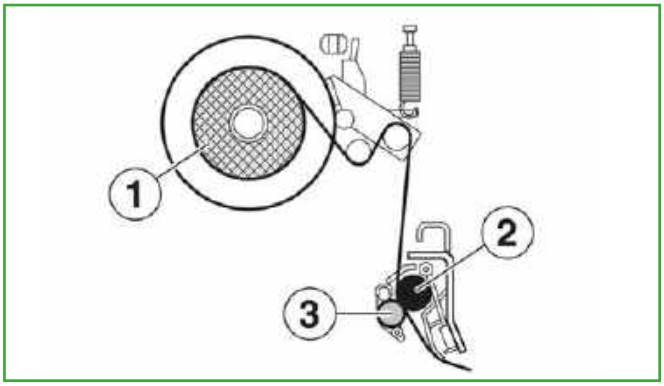
Starting the wrapping cycle
Net and twine wrapping is triggered from the cab based spool.

The net brake
The adjustable net brake ensures the bale is wrapped edge to edge so it does not lose its shape as it is handled several times over.

The net layers
The number of wraps per bale is set by threading the pin on the friction wheel shaft in or out. The more the pin is threaded out of the shaft, the longer will the spring-loaded bar remain on this threading. And only when the bar swings down will it trigger the net cutting system.

The net wrapping system
The net wrapping unit takes 2600 m and 3000 m (8,530' and 11,811') net rolls and is located on the front end of the machine for excellent visibility and monitoring. There is room for one spare roll.

The full net width
The net (1) is fed across the full width of the chamber to the rubber drive roller (2) and its pressure roller (3). As the wrapping cycle is triggered, the rubber roller feeds the net to the rotating bale.



Replacing a roll
Replacing the net roll is convenient and safe, because the operator can stand upright when reloading. To replace an empty net roll, simply swing out the dispenser arm and slide the fresh roll onto it. Then the net is fed into the net wrap system.

Technical data

Bellima round baler

		Bellima F 125	Bellima F 130
Bale diameter	Approx. m	1.20 (3'11")	1.20 (3'11")
Bale width	Approx. m	1.20 (3'11")	1.20 (3'11")
Length	Approx. m	3.70 (12'2")	3.70 (12'2")
Width	Approx. m	2.25 (7'5")	2.25 (7'5")
Height	Approx. m	1.97 (6'5.6")	1.98 (6'6.6")
Pick-up work width to DIN 11220	Approx. m	1.40 (4'7")	1.80 (5'11")
Track width	Approx. m	1.90 (6'3")	1.95 (6'5")
Tyres		10.0/75-15.3 8 PR 11.5/80-15.3 10 PR	11.5/80-15.3 10 PR 15.0/55-17 10 PR 19.0/45-17 10 PR
Tractor power	kW / hp	25/34	25/34
Hydraulic couplers		1 sa	1 sa

All specifications, weights and dimensions do not necessarily comply with standard specifications and are therefore not binding. All product specifications are subject to change.

Wrapping and tying

Genuine KRONE wrapping

The KRONE excellent net wraps
KRONE excellent net wrap live up to their promise. Offering an enormous tear resistance and unique spreading technology, the KRONE net wraps provide the best possible protection to your valuable crop.

The KRONE excellent twine
This twine is the high-strength and high-quality option for round balers with twine tying systems.

Maschinenfabrik Bernard Krone

Perfect in every detail

Innovative, proficient and close to our customers – these are the keywords that mark the philosophy of our family-owned company. As a forage specialist, KRONE manufactures disc mowers, tedders, rakes, forage wagons and silage trailers, round and square balers as well as the high-capacity and self-propelled BiG M mower conditioners and our BiG X forage harvesters.
Quality made in Spelle – since 1906.

Your KRONE dealer

Maschinenfabrik Bernard KRONE GmbH & Co. KG

Heinrich-Krone-Straße 10
D-48480 Spelle

Phone: +49 (0) 5977 935-0
Fax: +49 (0) 5977 935-339

info.ldm@krone.de | www.krone.de

EN · Bellima · 05/19 · 209007490